

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\  
 Data File : VN059531.D  
 Acq On : 9 Dec 2019 16:35  
 Operator : JC/SP  
 Sample : VSTDIC150  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

Manual Integrations  
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apatel  
 12/10/2019 5:10:49 PM

Quant Time: Dec 09 18:17:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N120919W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 09 16:19:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 286834   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 462122   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 426183   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 206776   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 614851   | 172.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 345.52% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 443172   | 157.74 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 315.48% |      |
| 50) Toluene-d8            | 10.08  | 98  | 1718052  | 156.20 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 312.40% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 642554   | 162.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 324.54% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 476546  | 150.987 | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 698173  | 162.073 | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 716071  | 246.620 | ug/l | 100    |
| 5) Bromomethane               | 2.52 | 94  | 420777  | 235.508 | ug/l | 98     |
| 6) Chloroethane               | 2.67 | 64  | 424308  | 250.142 | ug/l | 98     |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 873523  | 252.249 | ug/l | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 286274  | 145.808 | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 436940  | 146.807 | ug/l | 99     |
| 10) Methyl Iodide             | 3.92 | 142 | 602632  | 161.346 | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.75 | 59  | 534712  | 820.794 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 432244  | 149.676 | ug/l | 97     |
| 13) Acrolein                  | 3.58 | 56  | 307035  | 612.736 | ug/l | 99     |
| 14) Allyl chloride            | 4.29 | 41  | 871972  | 152.032 | ug/l | 100    |
| 15) Acrylonitrile             | 4.95 | 53  | 1399979 | 793.167 | ug/l | 99     |
| 16) Acetone                   | 3.79 | 43  | 1262798 | 539.571 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 1385188 | 139.526 | ug/l | 100    |
| 18) Methyl Acetate            | 4.29 | 43  | 729730  | 155.508 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 1596135 | 160.644 | ug/l | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 494825  | 134.578 | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 487217  | 149.924 | ug/l | 98     |
| 22) Diisopropyl ether         | 5.92 | 45  | 1751216 | 163.753 | ug/l | 96     |
| 23) Vinyl Acetate             | 5.87 | 43  | 7120205 | 825.853 | ug/l | 95     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 945311  | 155.838 | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 2036242 | 769.579 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 845192  | 159.569 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 548511  | 151.666 | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 383350  | 198.335 | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 1350940 | 808.112 | ug/l | 100    |
| 30) Chloroform                | 7.35 | 83  | 954122  | 161.651 | ug/l | 98     |
| 31) Cyclohexane               | 7.63 | 56  | 879233  | 150.560 | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 829252  | 161.119 | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 736507  | 156.377 | ug/l | 100    |
| 37) Ethyl Acetate             | 6.90 | 43  | 834915  | 158.655 | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 734602  | 161.410 | ug/l | 99     |

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 Acq On : 9 Dec 2019 16:35  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
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 12/10/2019 5:10:49 PM

Quant Time: Dec 09 18:17:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N120919W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 09 16:19:24 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 880363   | 156.583  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 2068028  | 150.594  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.16  | 41   | 399924m  | 184.263  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 795489   | 166.809  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 1366120  | 173.489  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 525169   | 146.635  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 564347   | 153.561  | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 368699   | 160.278  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 762075   | 164.636  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 631830   | 178.170  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 165494   | 3168.209 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 3767333  | 807.677  | ug/l   | 93       |
| 52) Toluene                    | 10.15 | 92   | 1293818  | 156.166  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 906969   | 167.081  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 928157   | 162.071  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 509626   | 155.786  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 858308   | 181.103  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 896815   | 157.889  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 1183924  | 854.998  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 2914416  | 830.223  | ug/l   | 95       |
| 60) Dibromochloromethane       | 10.90 | 129  | 585245   | 166.495  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 546102   | 161.143  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 465620   | 134.849  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 1343974  | 148.151  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 516508   | 157.894  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 2437324  | 153.006  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 1865858  | 312.011  | ug/l   | 94       |
| 69) o-Xylene                   | 11.95 | 106  | 898097   | 157.698  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 1607349  | 176.210  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 428162   | 165.659  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 2366470  | 150.151  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 1176400  | 182.814  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 771662   | 150.828  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 753506m  | 149.155  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 568060   | 142.338  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.59 | 91   | 2753591  | 148.627  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1652242  | 147.725  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1997837  | 149.769  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 314049   | 168.720  | ug/l   | 90       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1740210  | 150.196  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1716969  | 148.430  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2012855  | 154.003  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2299623  | 149.583  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2111402  | 152.738  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1043321  | 146.883  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1032223  | 143.928  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 2031806  | 163.579  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 406220   | 152.500  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1003890  | 147.646  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 187301   | 151.697  | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\  
Data File : VN059531.D  
Acq On : 9 Dec 2019 16:35  
Operator : JC/SP  
Sample : VSTDICC150  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC150

Manual Integrations  
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12/10/2019 5:10:49 PM

Quant Time: Dec 09 18:17:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N120919W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 09 16:19:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 716184   | 167.477 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 342914   | 128.809 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 2144046  | 170.991 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 698373   | 152.668 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

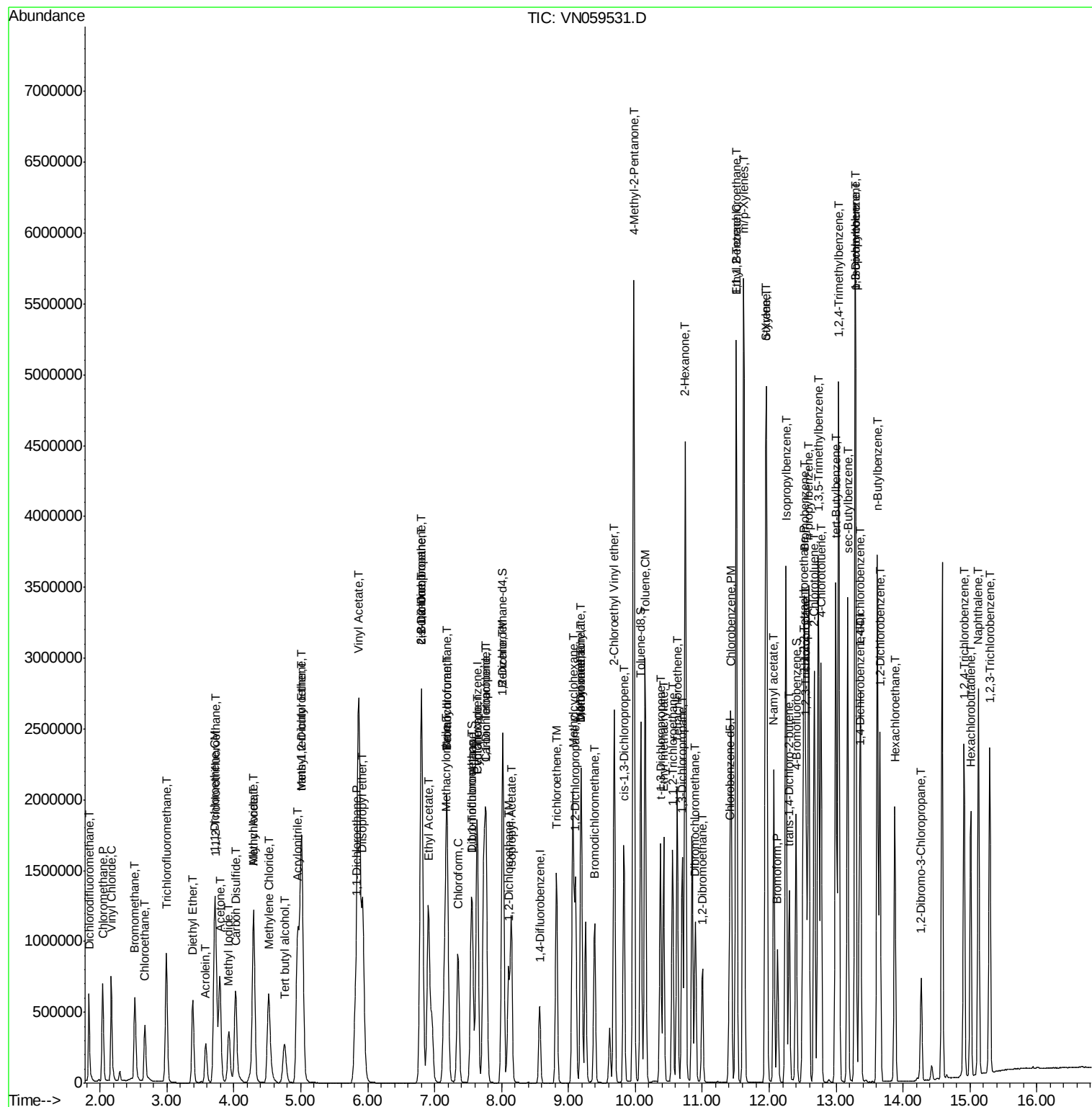
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 Acq On : 9 Dec 2019 16:35  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

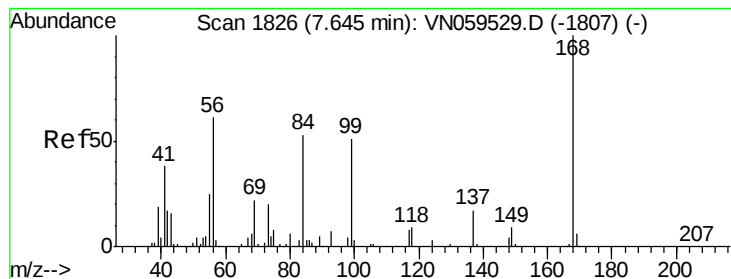
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
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 12/10/2019 5:10:49 PM

Quant Time: Dec 09 18:17:49 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N120919W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 09 16:19:24 2019  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 286834

Ion Ratio Lower Upper

168 100

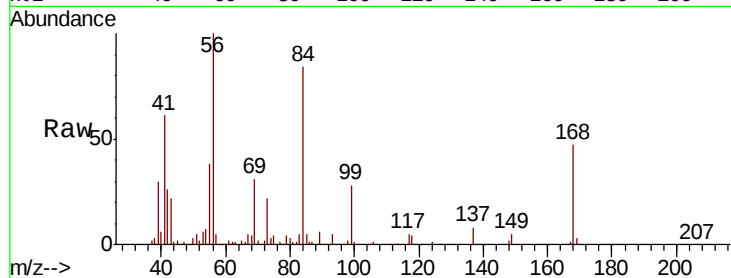
99 58.8 46.6 70.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

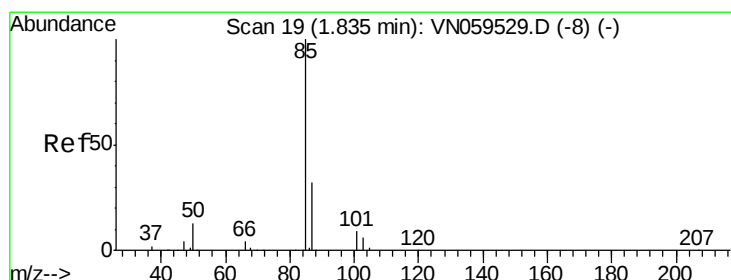
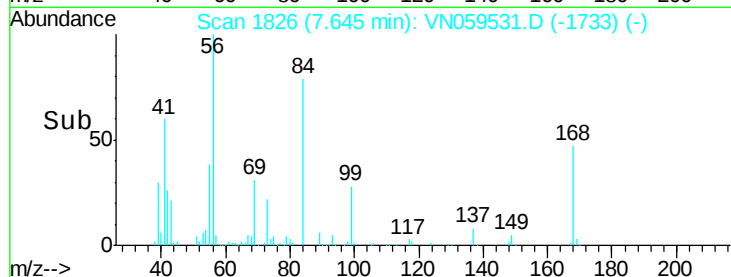
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 150.987 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059531.D

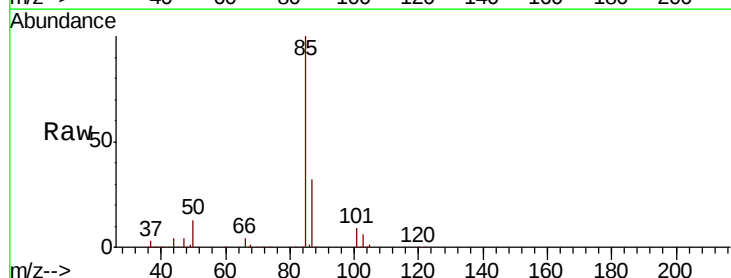
Acq: 9 Dec 2019 16:35

Tgt Ion: 85 Resp: 476546

Ion Ratio Lower Upper

85 100

87 32.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

200000

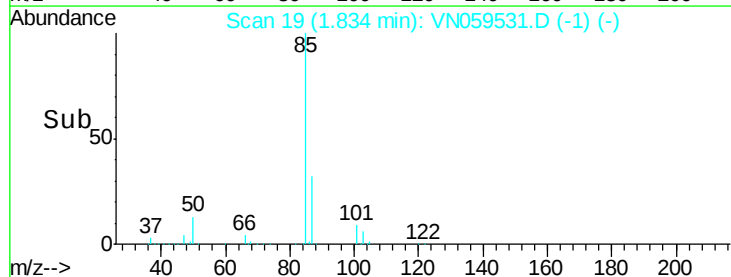
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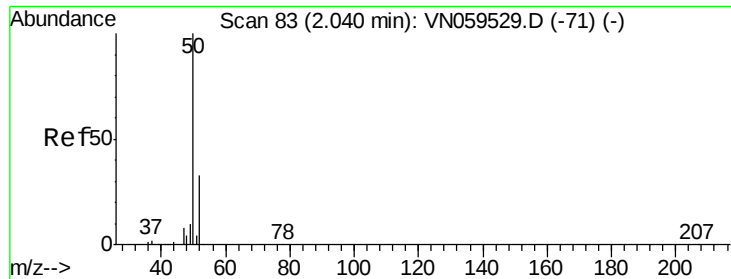
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1.80

1.90

Time-->





#3

Chloromethane

Concen: 162.073 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 698173

Ion Ratio Lower Upper

50 100

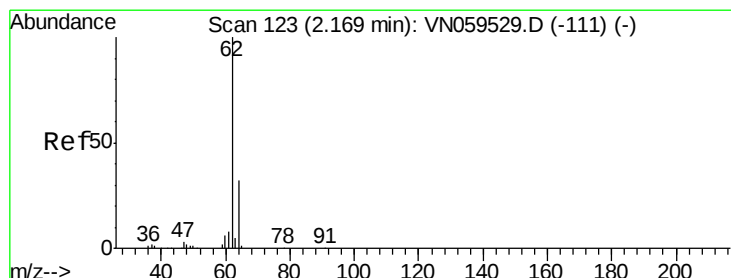
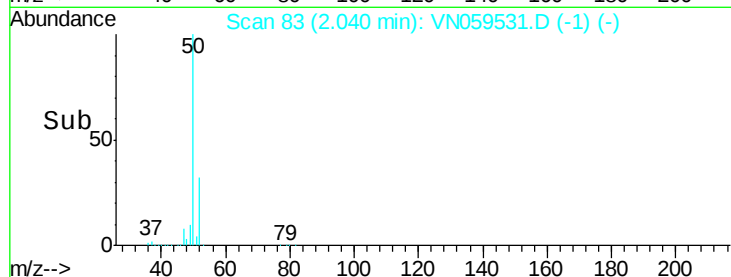
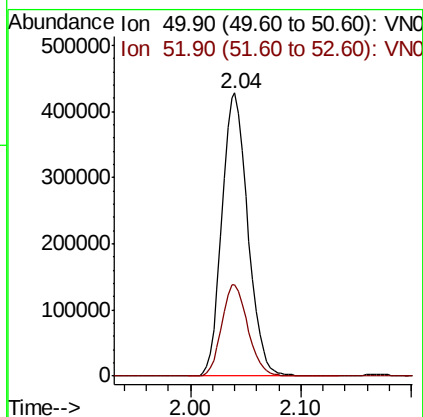
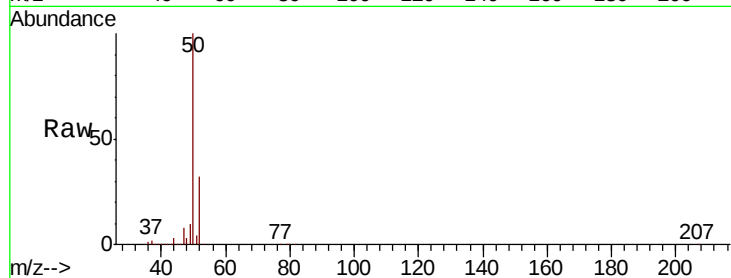
52 32.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 246.620 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059531.D

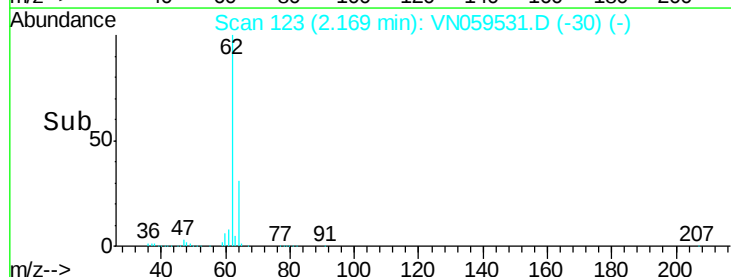
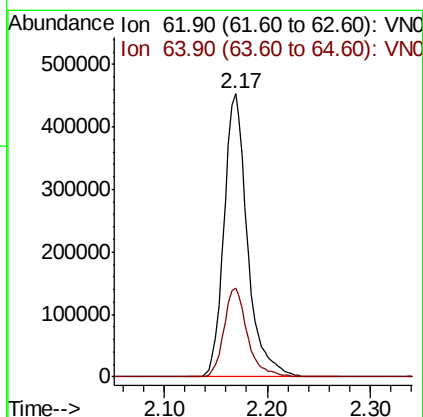
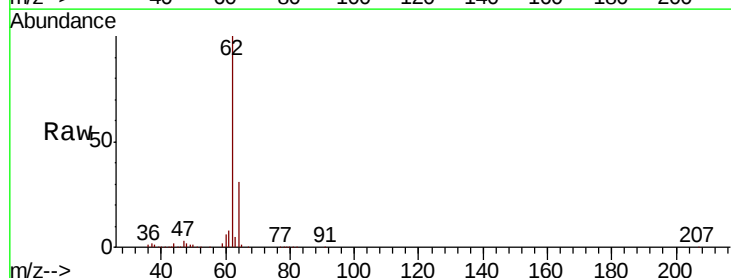
Acq: 9 Dec 2019 16:35

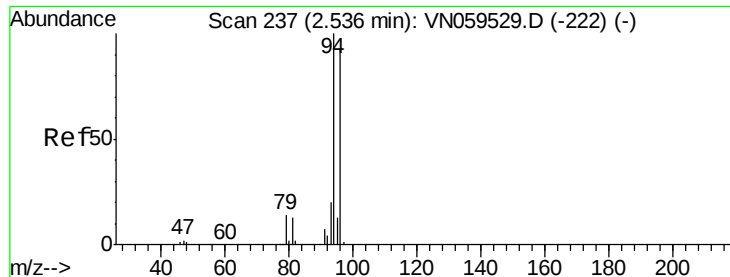
Tgt Ion: 62 Resp: 716071

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 235.508 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 420777

Ion Ratio Lower Upper

94 100

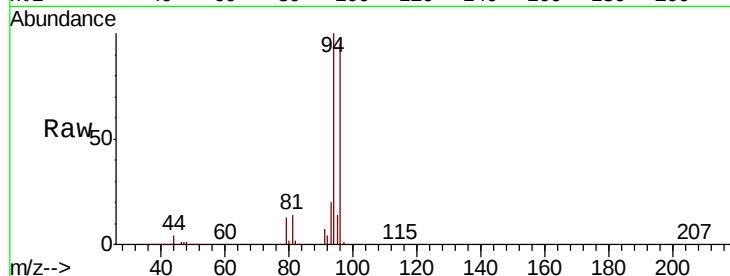
96 94.8 74.6 112.0

Manual Integrations

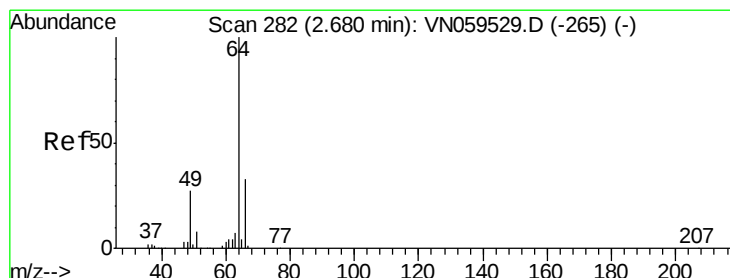
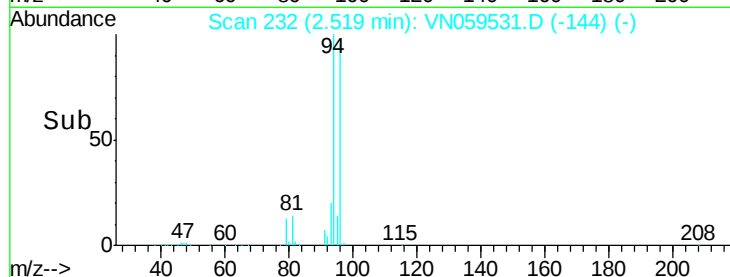
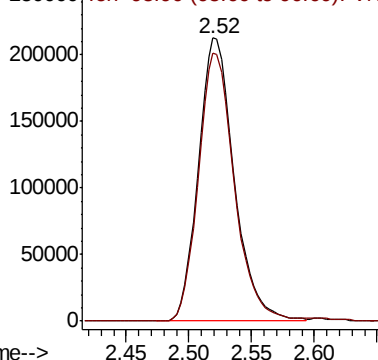
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Abundance Ion 93.90 (93.60 to 94.60): VNO  
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 250.142 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN059531.D

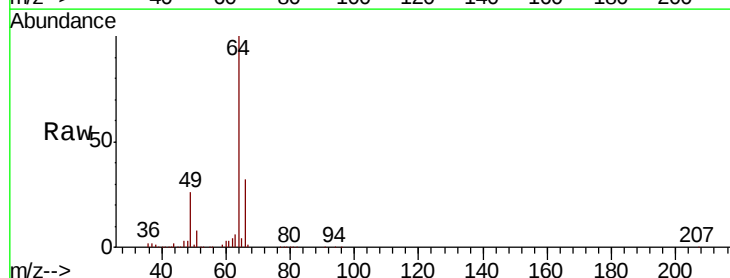
Acq: 9 Dec 2019 16:35

Tgt Ion: 64 Resp: 424308

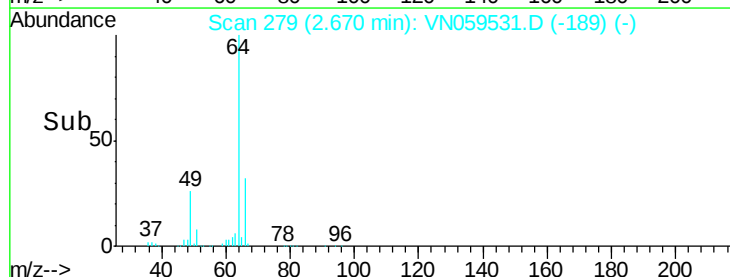
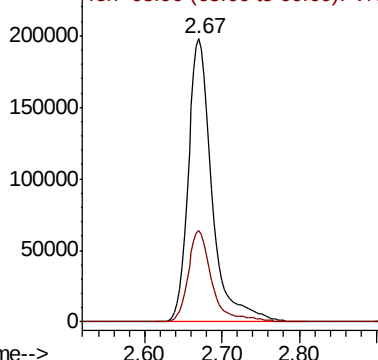
Ion Ratio Lower Upper

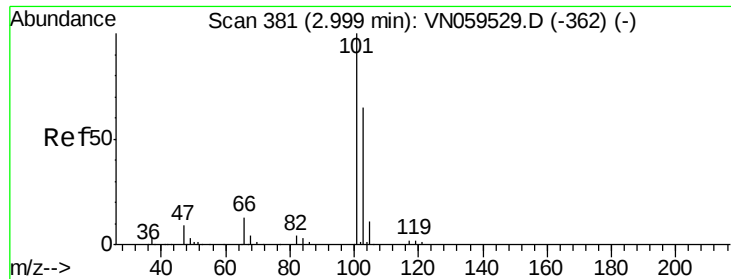
64 100

66 32.2 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VNO  
Ion 65.90 (65.60 to 66.60): VNO





#7

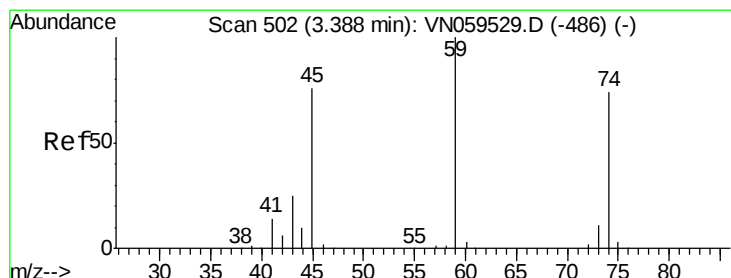
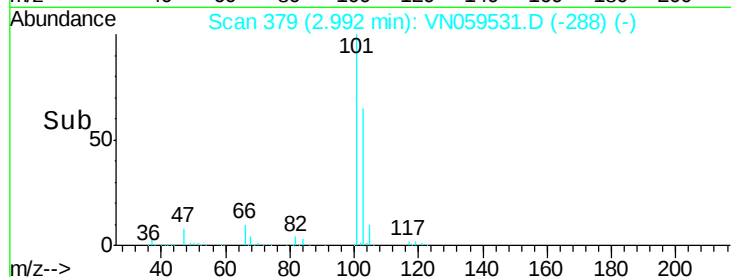
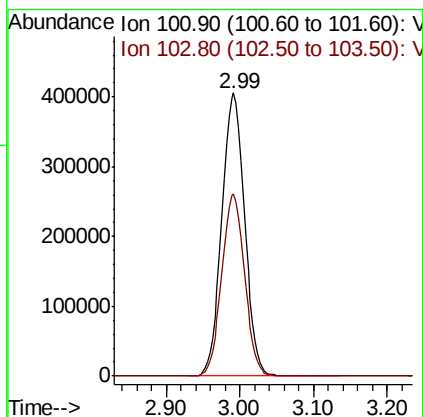
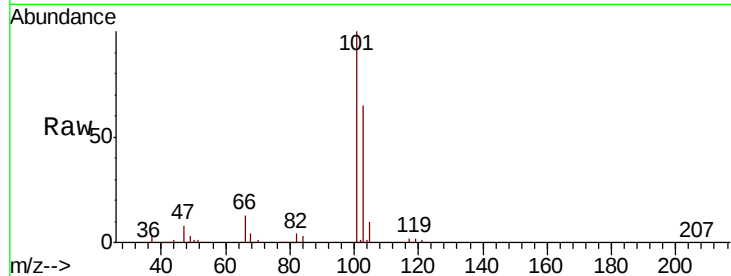
Trichlorofluoromethane  
Concen: 252.249 ug/l  
RT: 2.99 min Scan# 379  
Delta R.T. -0.01 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.6  | 52.2  | 78.4  |

Manual Integrations  
APPROVED

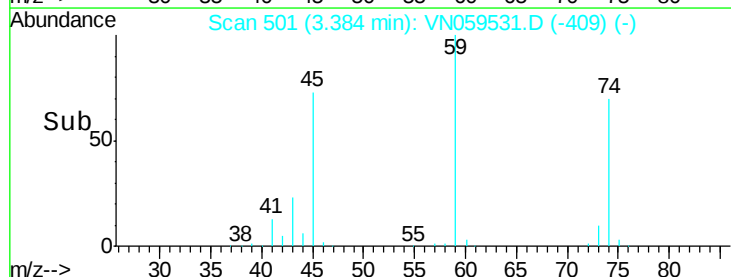
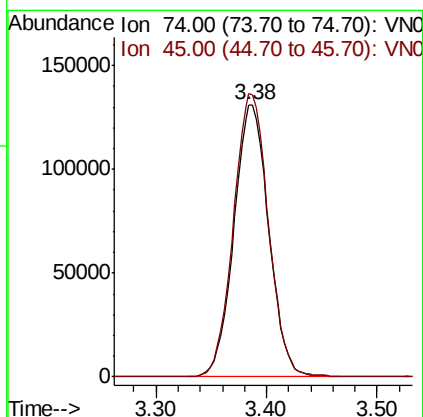
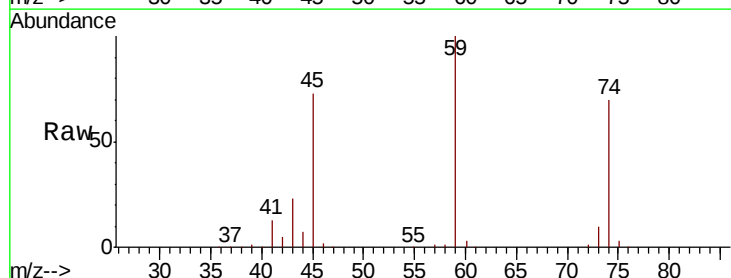
apatel  
12/10/2019 5:10:49 PM

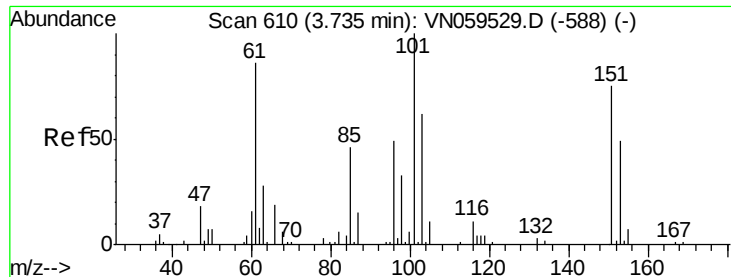


#8

Diethyl Ether  
Concen: 145.808 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.1 | 52.6  | 157.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.807 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

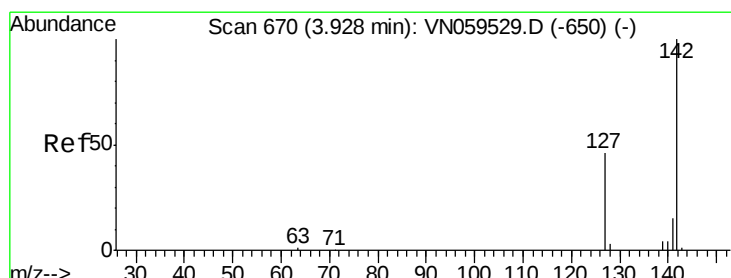
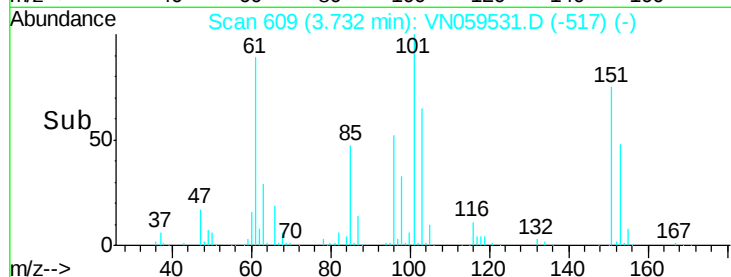
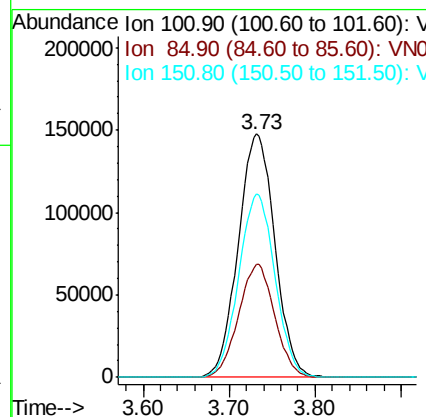
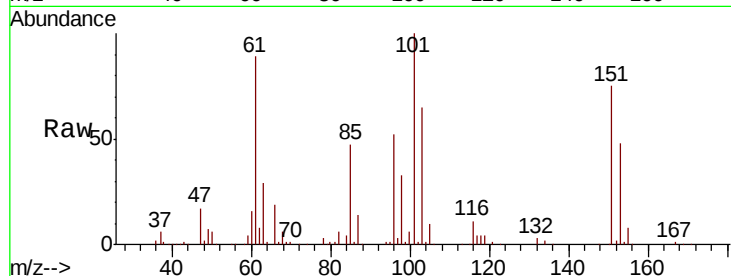
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 436940 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.9  | 36.6  | 54.8   |
| 151       | 74.7  | 59.3  | 88.9   |

Manual Integrations  
APPROVED

apatel  
12/10/2019 5:10:49 PM



#10

Methyl Iodide

Concen: 161.346 ug/l

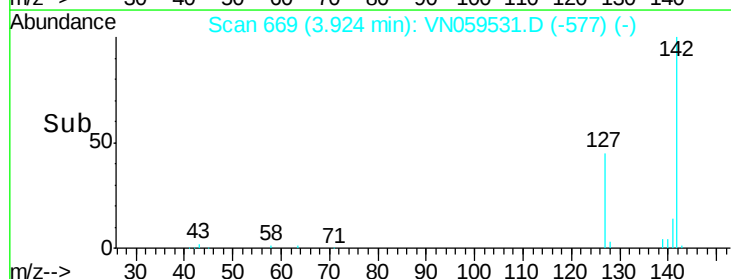
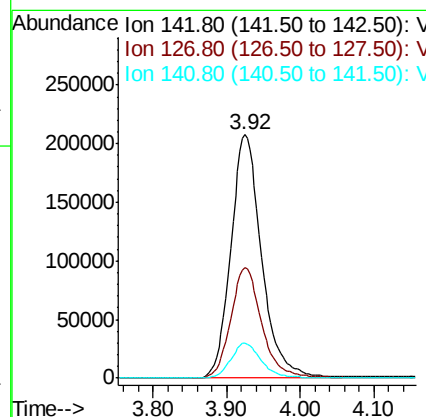
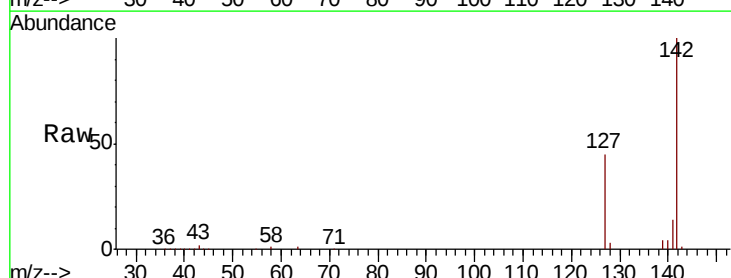
RT: 3.92 min Scan# 669

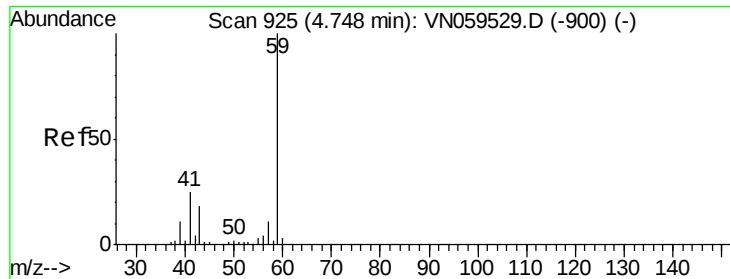
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 602632 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.7  | 36.6  | 54.8   |
| 141       | 14.4  | 11.6  | 17.4   |





#11

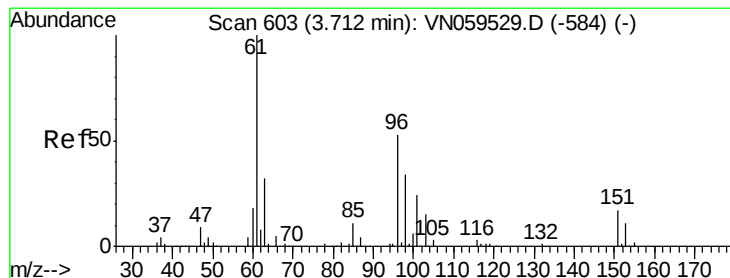
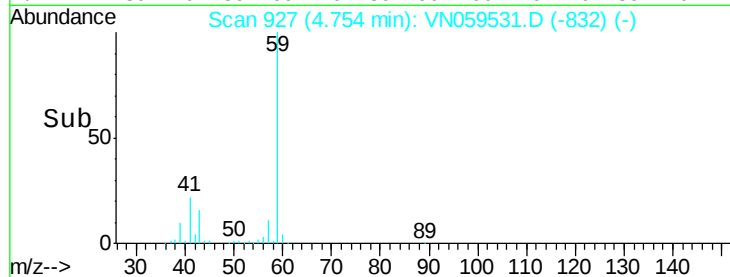
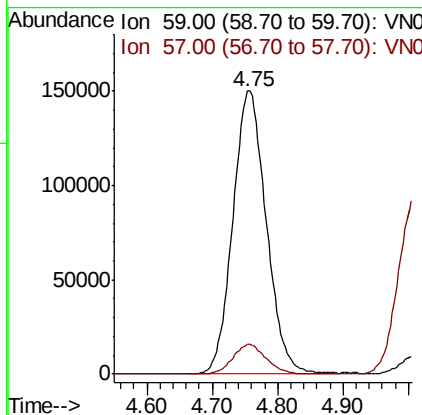
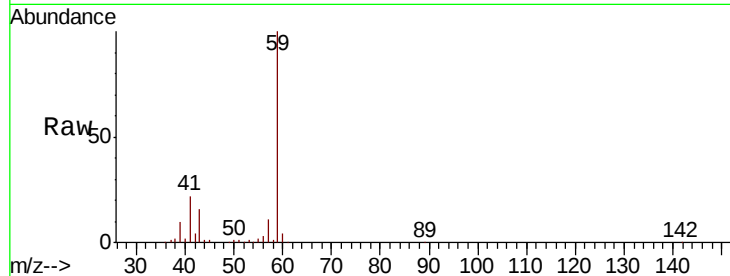
Tert butyl alcohol  
Concen: 820.794 ug/l  
RT: 4.75 min Scan# 927  
Delta R.T. 0.01 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tot Ion: 59 Resp: 534712  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.6 13.0

Manual Integrations  
APPROVED

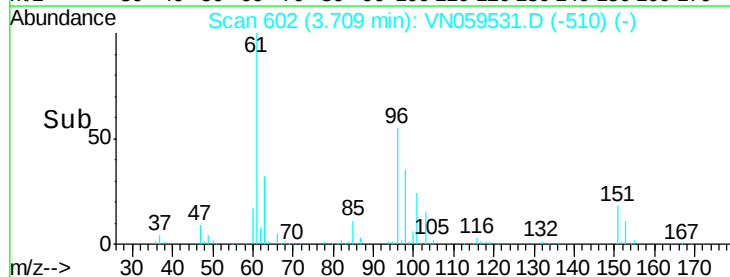
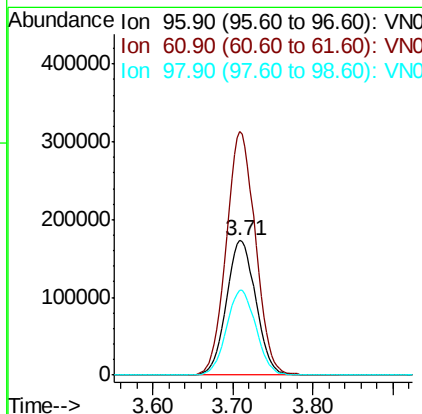
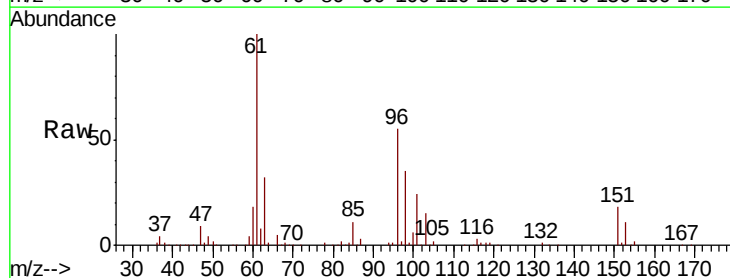
apatel  
12/10/2019 5:10:49 PM

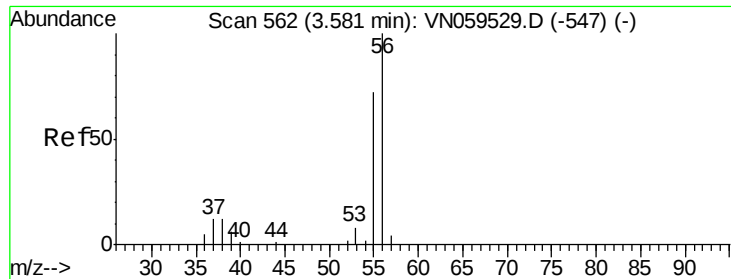


#12

1,1-Dichloroethene  
Concen: 149.676 ug/l  
RT: 3.71 min Scan# 602  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Tgt Ion: 96 Resp: 432244  
Ion Ratio Lower Upper  
96 100  
61 180.6 149.8 224.6  
98 63.2 50.6 75.8





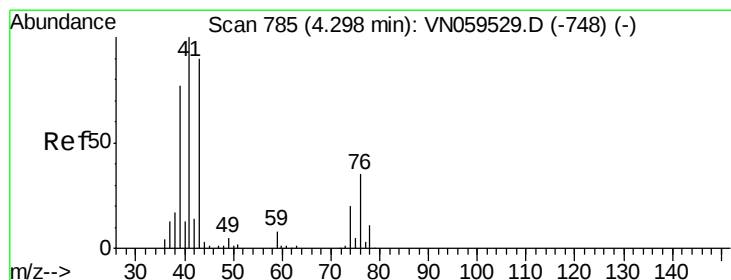
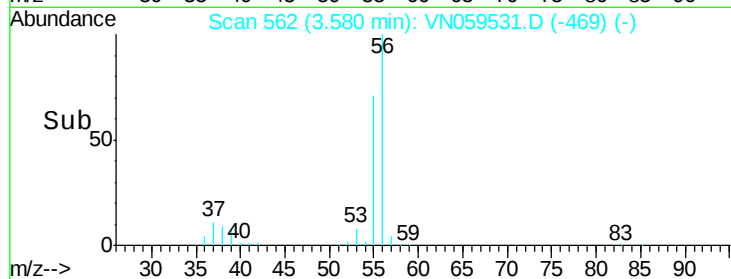
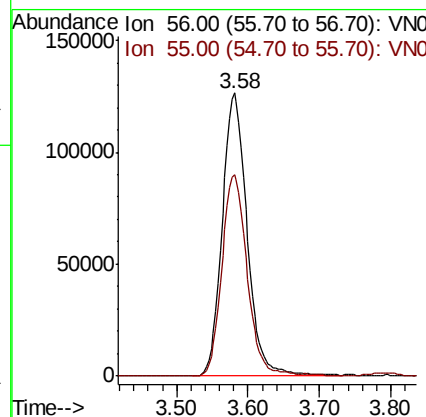
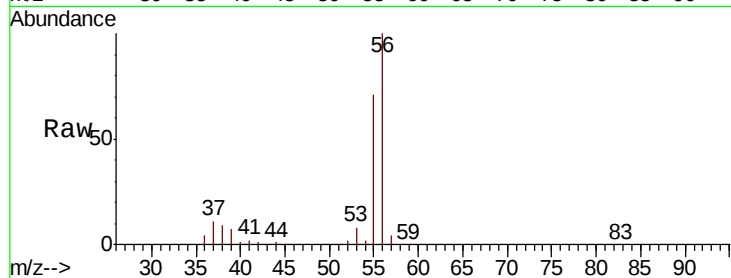
#13  
Acrolein  
Concen: 612.736 ug/l  
RT: 3.58 min Scan# 562  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 56   | Resp  | 307035 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 55        | 71.9 | 56.9  | 85.3   |

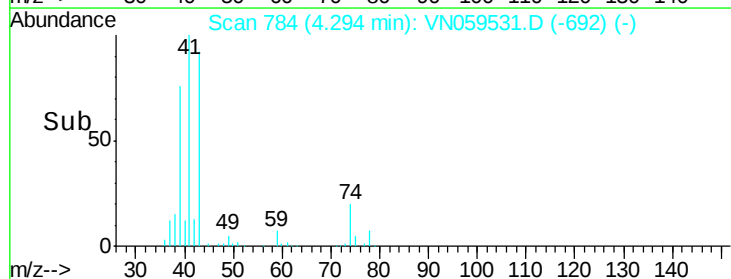
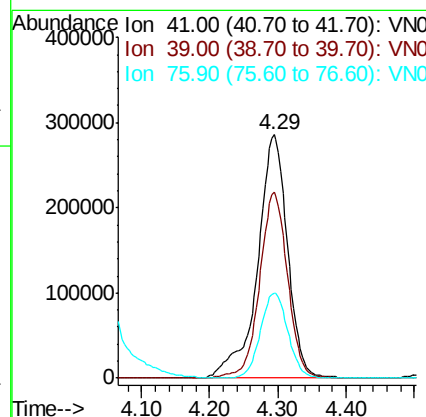
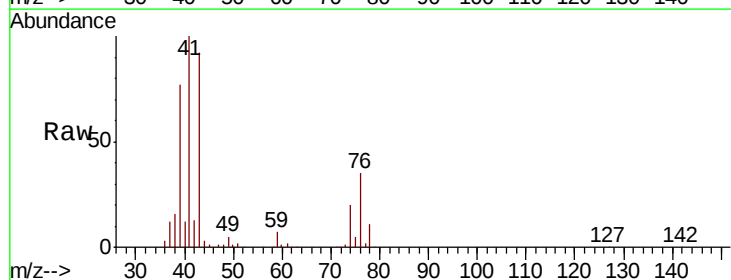
Manual Integrations  
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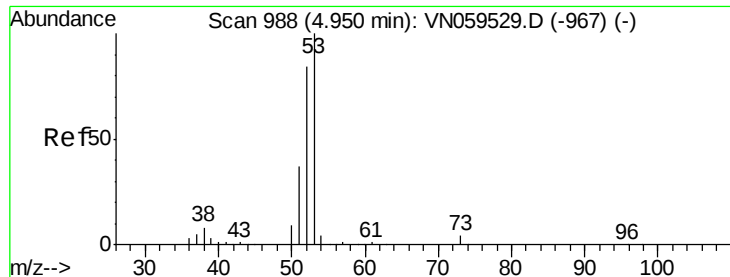
apatel  
12/10/2019 5:10:49 PM



#14  
Allyl chloride  
Concen: 152.032 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion   | 41   | Resp  | 871972 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 39        | 71.3 | 56.7  | 85.1   |
| 76        | 31.7 | 25.5  | 38.3   |





#15

Acrylonitrile

Concen: 793.167 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1399979

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

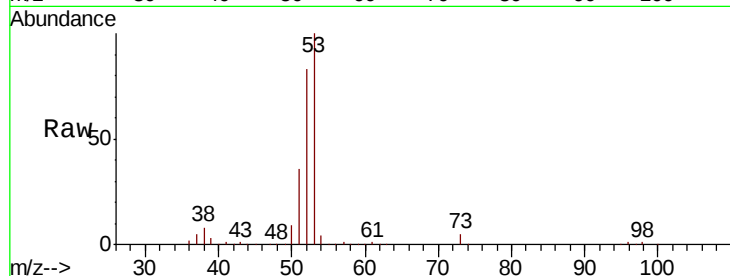
51 36.6 29.8 44.8

Manual Integrations

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apatel

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Abundance Ion 53.00 (52.70 to 53.70): VN059531.D (-895) (-)

Ion 52.00 (51.70 to 52.70): VN059531.D (-895) (-)

Ion 51.00 (50.70 to 51.70): VN059531.D (-895) (-)

4.95

500000

400000

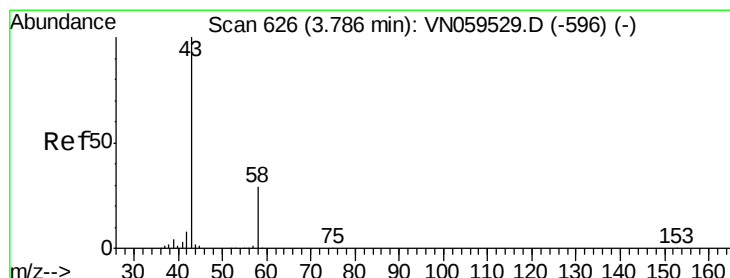
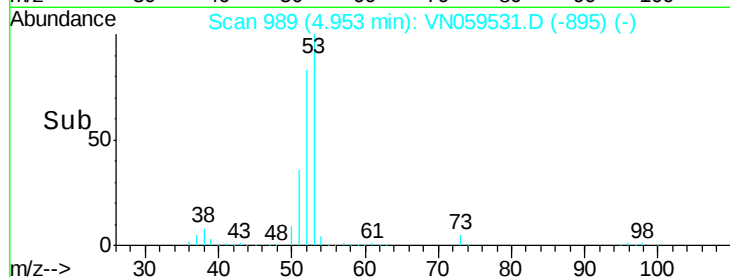
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 539.571 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059531.D

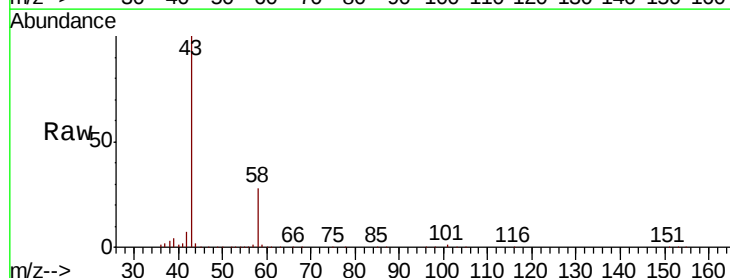
Acq: 9 Dec 2019 16:35

Tgt Ion: 43 Resp: 1262798

Ion Ratio Lower Upper

43 100

58 28.3 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN059531.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059531.D (-533) (-)

3.79

500000

400000

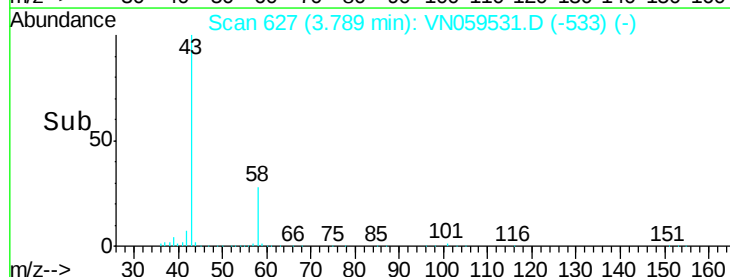
300000

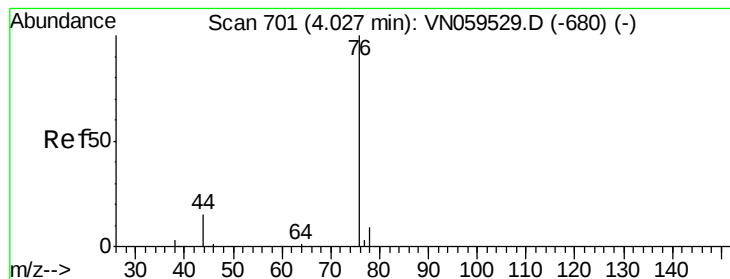
200000

100000

0

Time-->





#17

Carbon Disulfide

Concen: 139.526 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Tot Ion: 76 Resp: 1385188

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

Instrument :

MSVOA\_N

ClientSampleId :

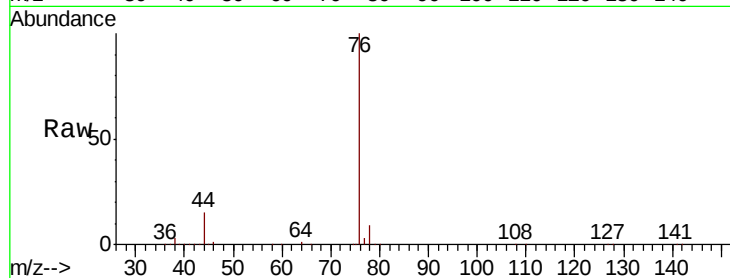
VSTDIC150

Manual Integrations

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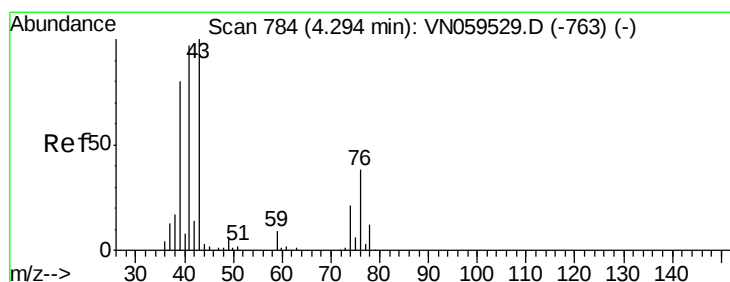
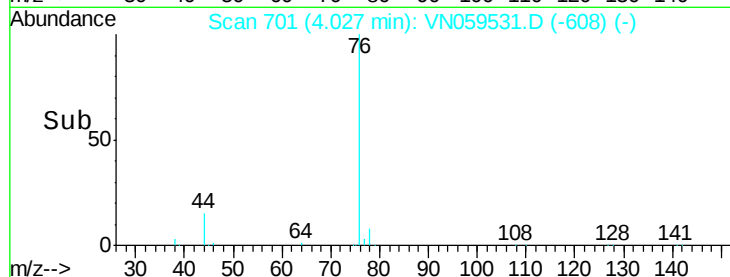
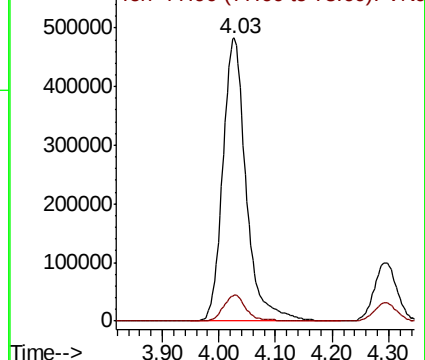
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 155.508 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059531.D

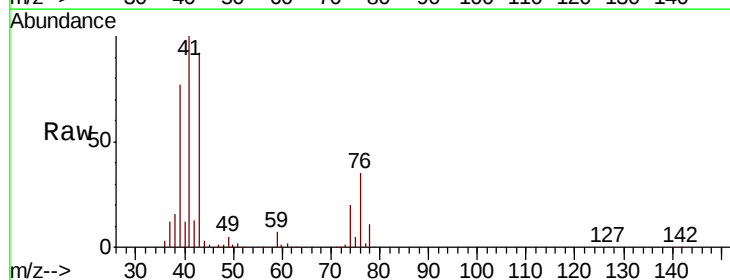
Acq: 9 Dec 2019 16:35

Tgt Ion: 43 Resp: 729730

Ion Ratio Lower Upper

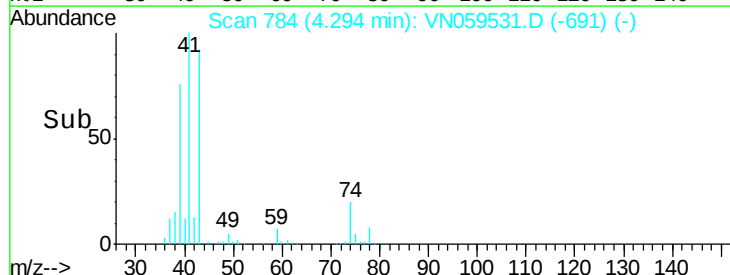
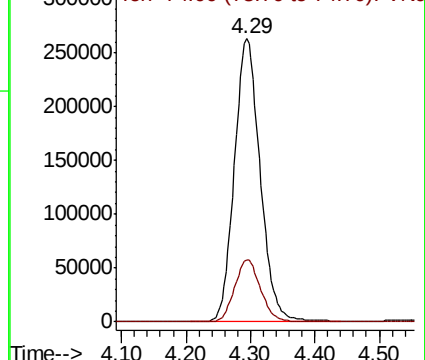
43 100

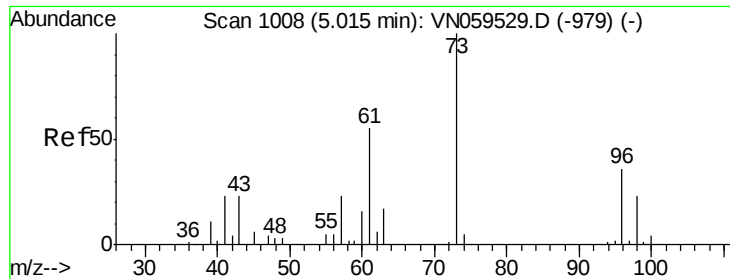
74 22.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





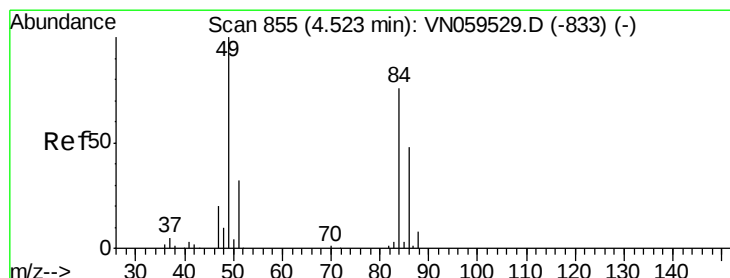
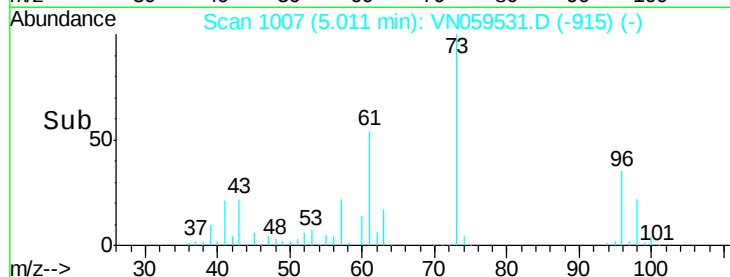
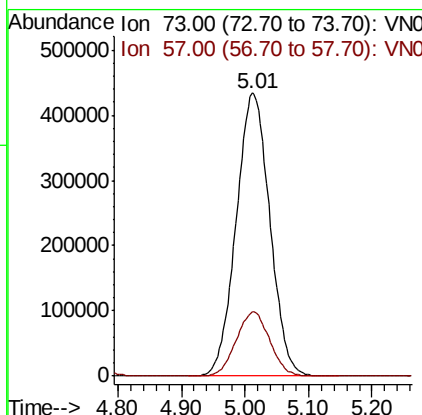
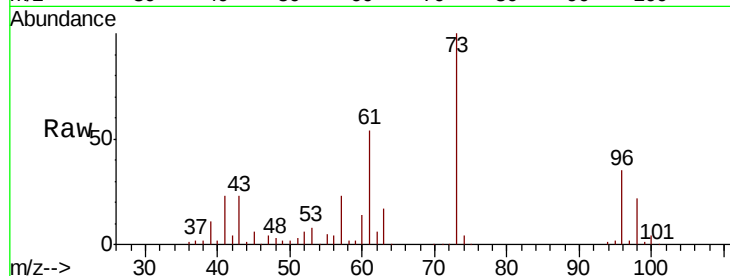
#19  
Methvl tert-butvl Ether  
Concen: 160.644 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tot Ion: 73 Resp: 1596135  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.3 27.5

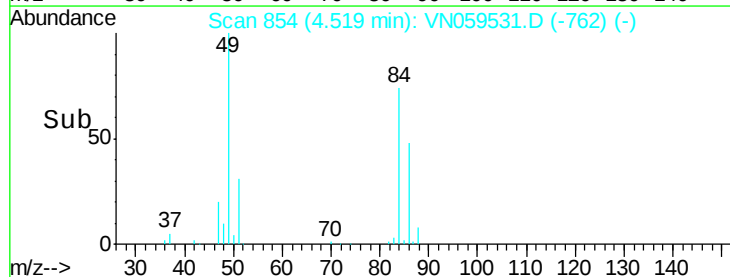
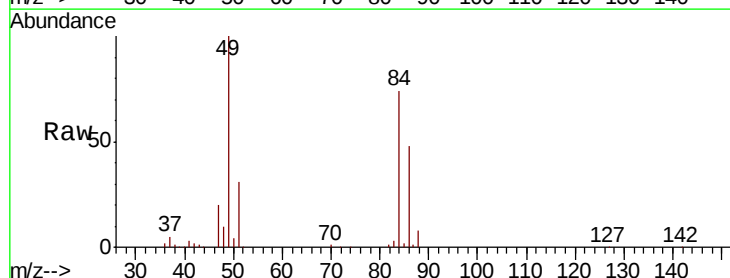
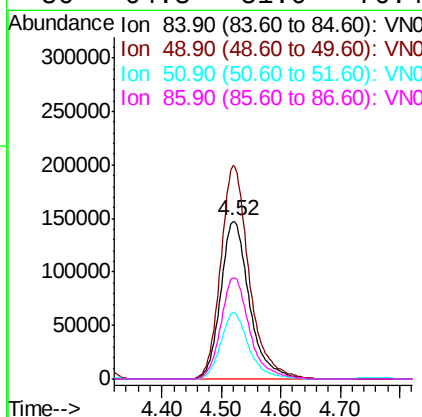
Manual Integrations  
APPROVED

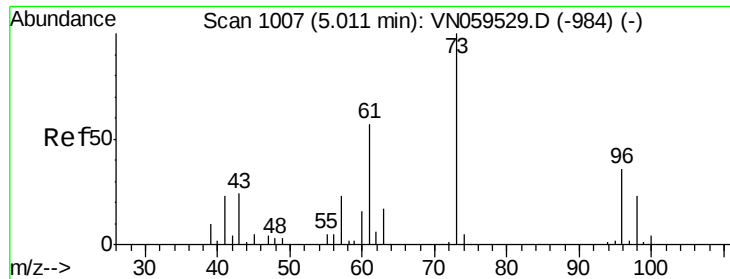
apatel  
12/10/2019 5:10:49 PM



#20  
Methylene Chloride  
Concen: 134.578 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Tgt Ion: 84 Resp: 494825  
Ion Ratio Lower Upper  
84 100  
49 135.0 105.8 158.8  
51 41.9 33.7 50.5  
86 64.3 51.0 76.4





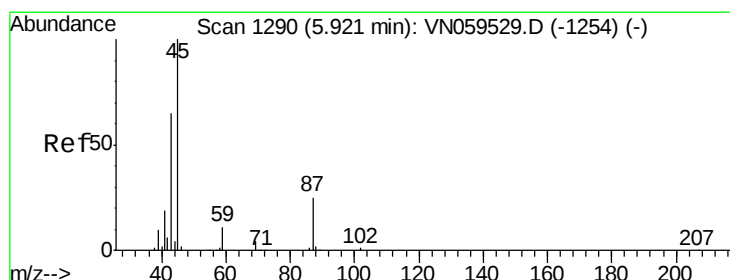
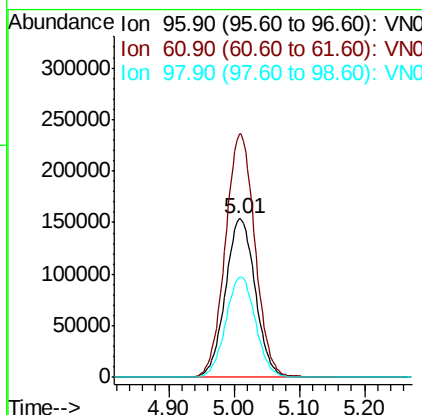
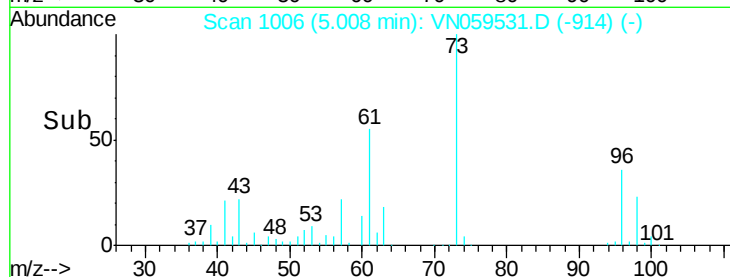
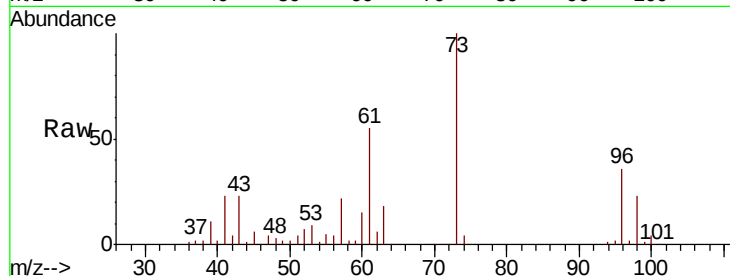
#21  
trans-1,2-Dichloroethene  
Concen: 149.924 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 153.2 | 124.8 | 187.2 |
| 98      | 62.9  | 51.0  | 76.4  |

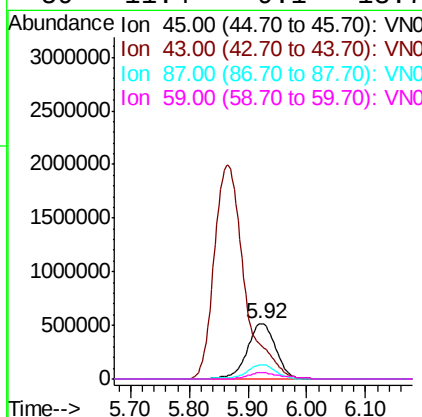
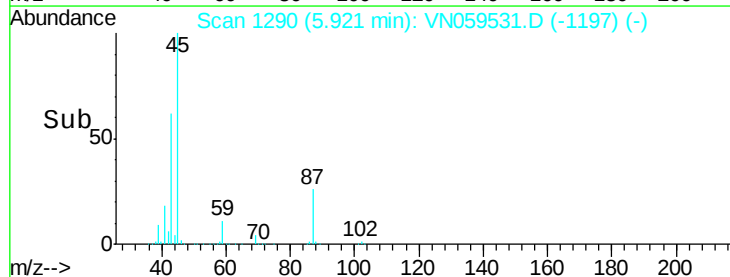
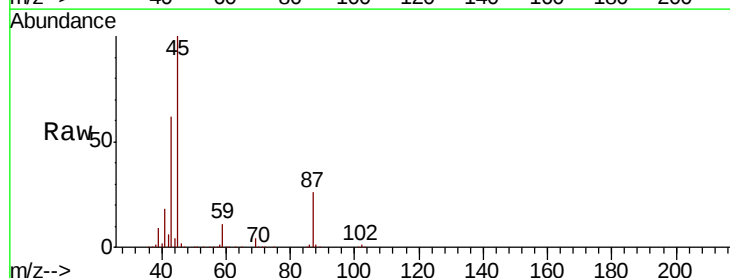
Manual Integrations  
APPROVED

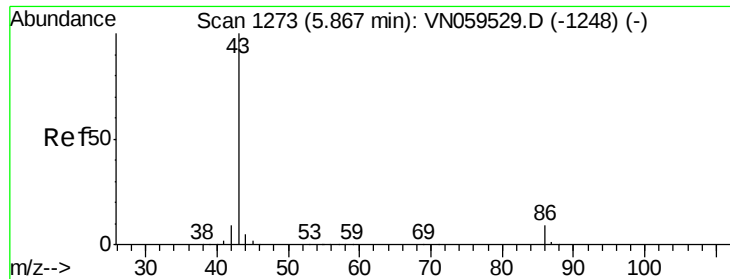
apatel  
12/10/2019 5:10:49 PM



#22  
Diisopropyl ether  
Concen: 163.753 ug/l  
RT: 5.92 min Scan# 1290  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 61.1  | 52.8  | 79.2  |
| 87      | 25.7  | 20.2  | 30.4  |
| 59      | 11.4  | 9.1   | 13.7  |





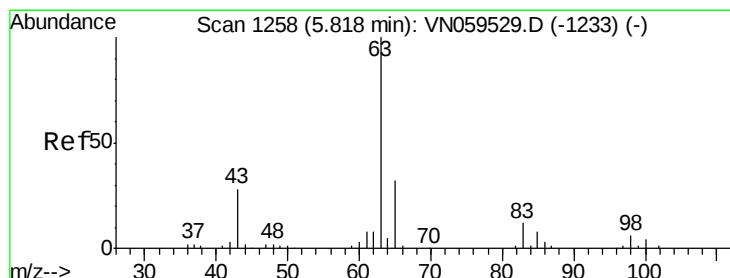
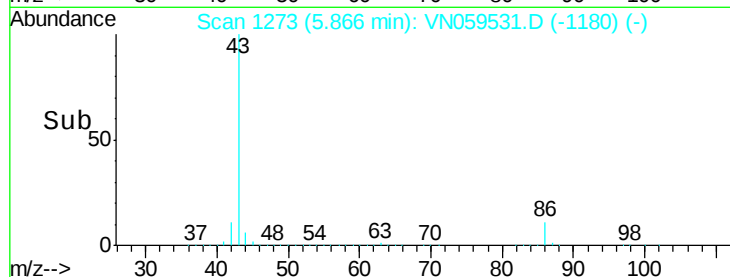
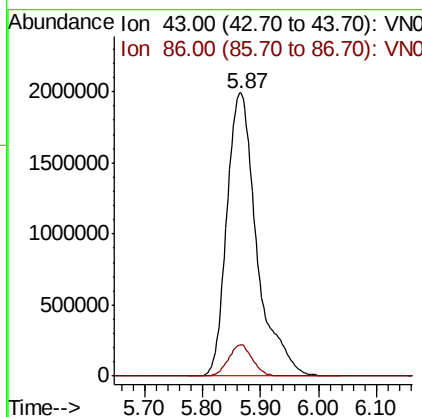
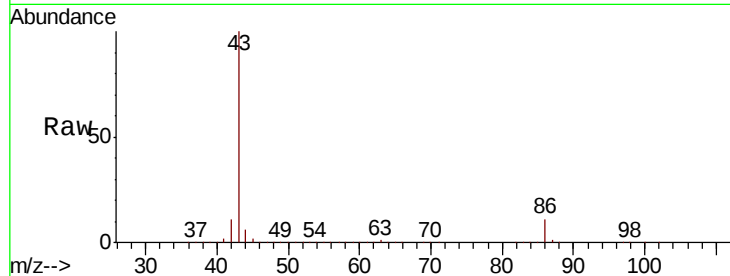
#23  
 Vinyl Acetate  
 Concen: 825.853 ug/l  
 RT: 5.87 min Scan# 1273  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 43 Resp: 7120205  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 7.4 11.2

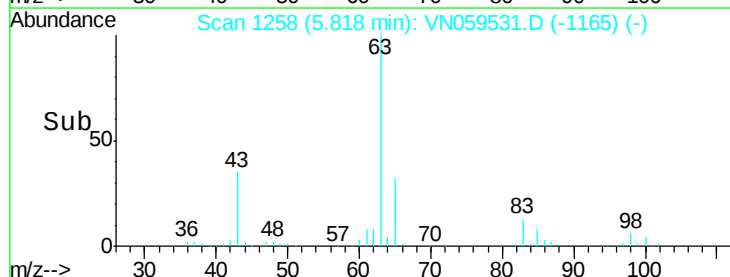
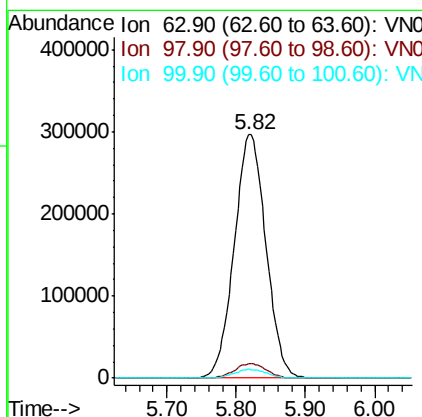
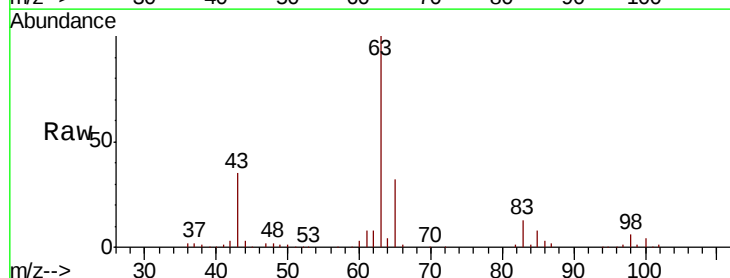
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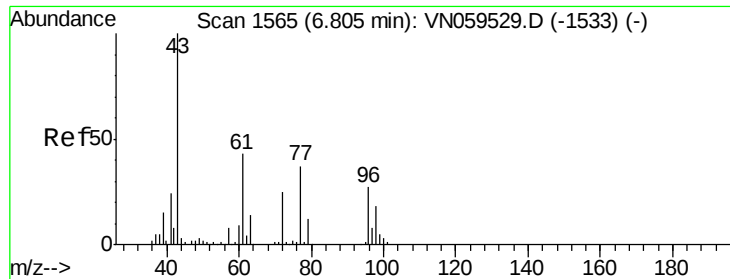
apatel  
 12/10/2019 5:10:49 PM



#24  
 1,1-Dichloroethane  
 Concen: 155.838 ug/l  
 RT: 5.82 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Tgt Ion: 63 Resp: 945311  
 Ion Ratio Lower Upper  
 63 100  
 98 5.8 3.0 9.0  
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 769.579 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2036242

Ion Ratio Lower Upper

43 100

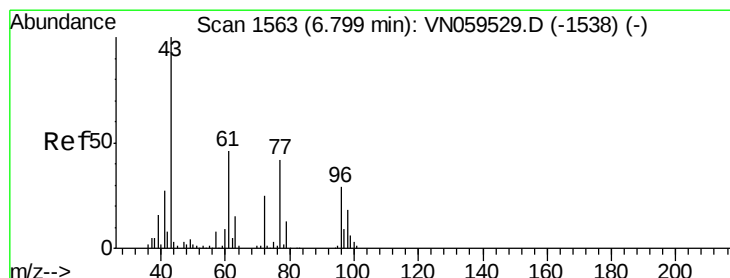
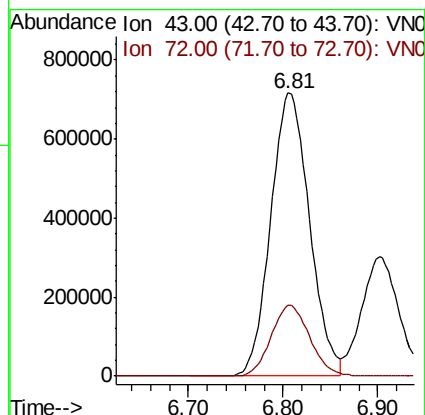
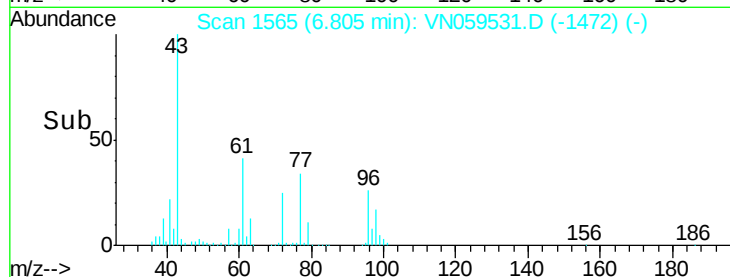
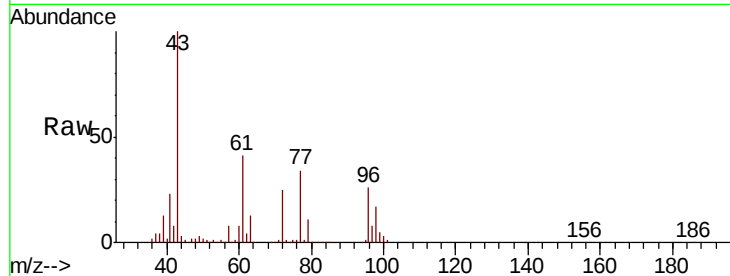
72 24.9 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 159.569 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059531.D

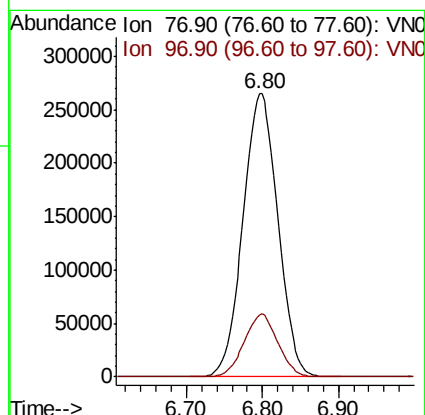
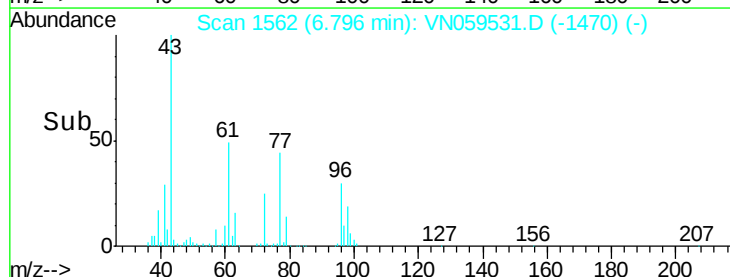
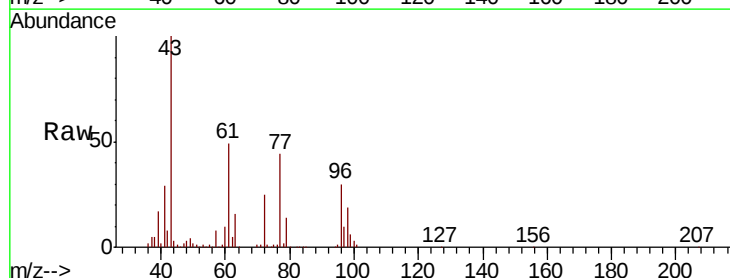
Acq: 9 Dec 2019 16:35

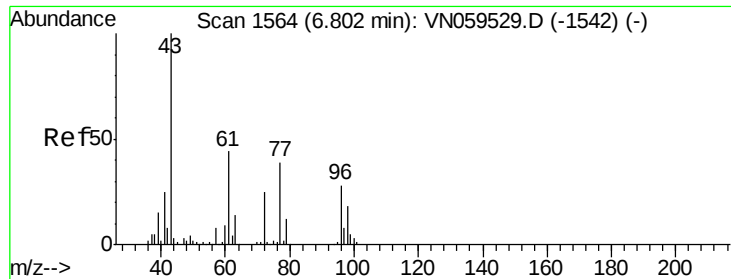
Tgt Ion: 77 Resp: 845192

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 151.666 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059531.D

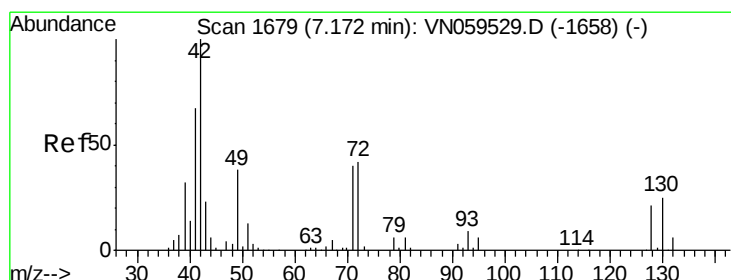
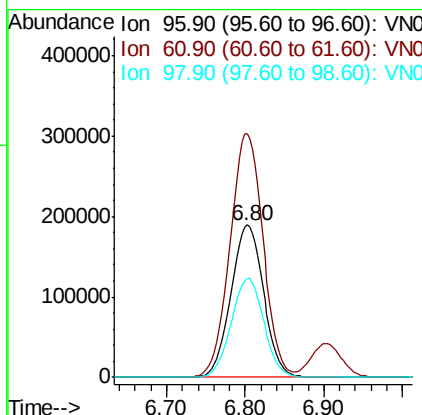
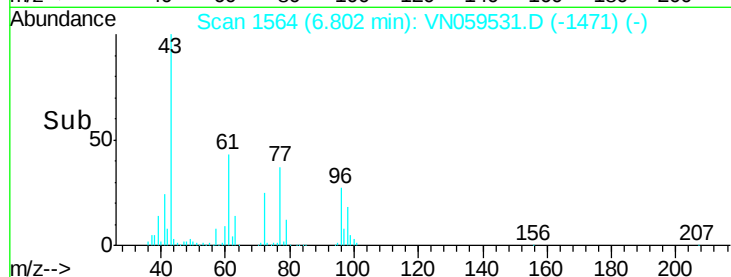
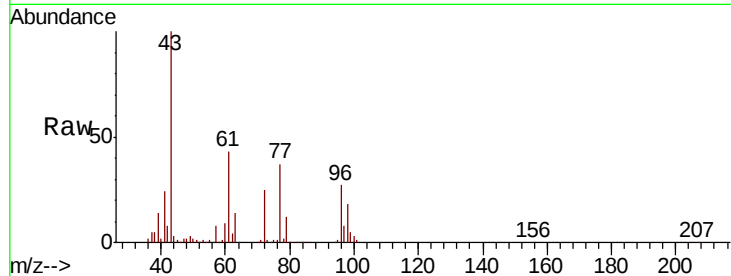
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 548511 |       |       |
| 61      | 162.0 |        | 0.0   | 320.0 |
| 98      | 65.0  |        | 0.0   | 128.6 |

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#28

Bromochloromethane

Concen: 198.335 ug/l

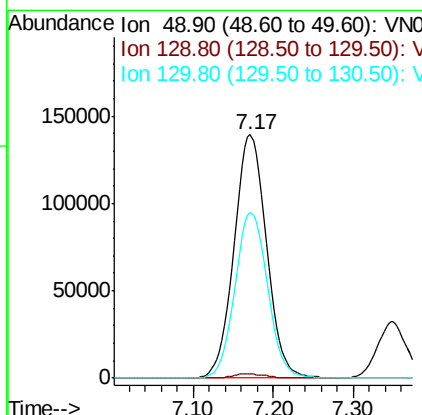
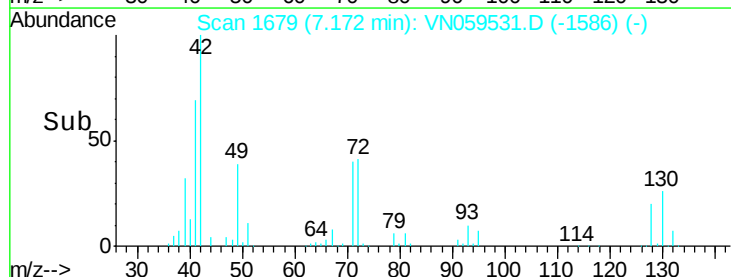
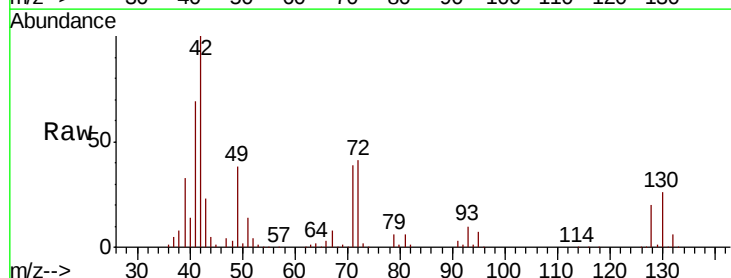
RT: 7.17 min Scan# 1679

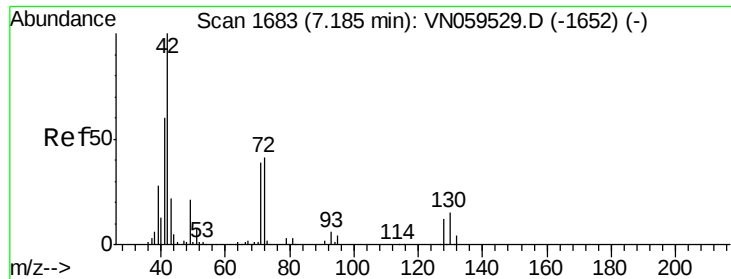
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 383350 |       |       |
| 129     | 1.7   |        | 0.0   | 3.0   |
| 130     | 68.2  |        | 54.2  | 81.2  |





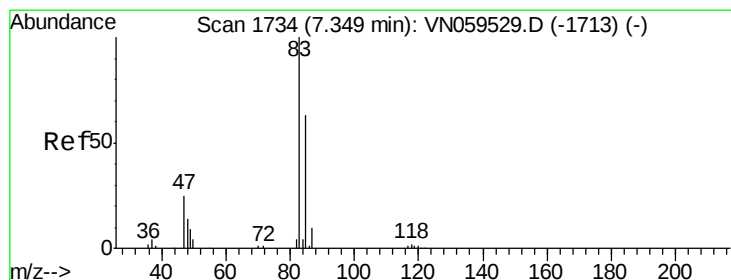
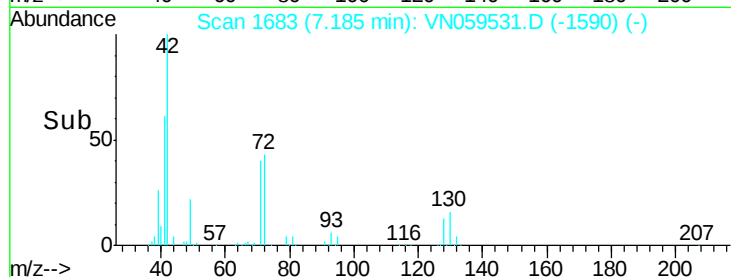
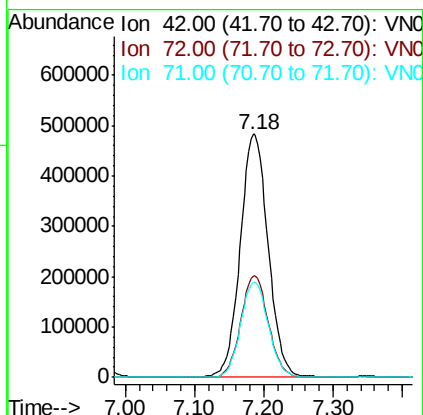
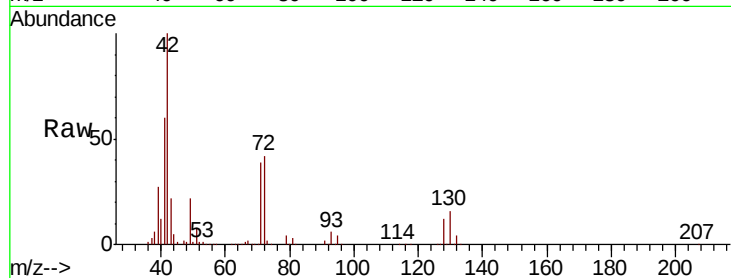
#29  
Tetrahydrofuran  
Concen: 808.112 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tot Ion: 42 Resp: 1350940  
Ion Ratio Lower Upper  
42 100  
72 41.3 32.7 49.1  
71 39.2 31.4 47.2

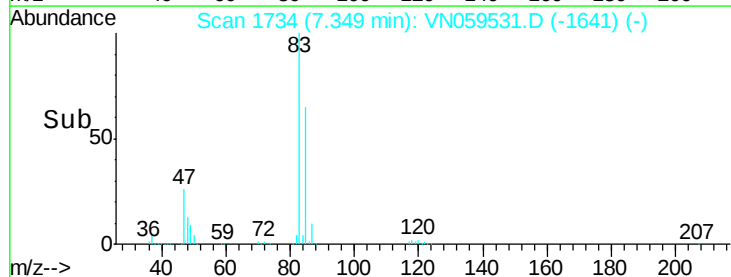
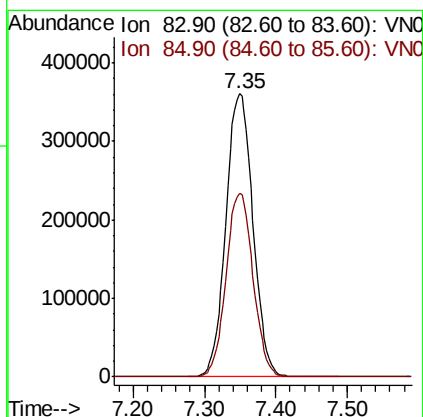
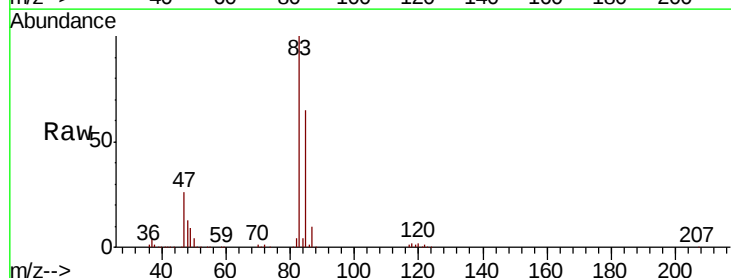
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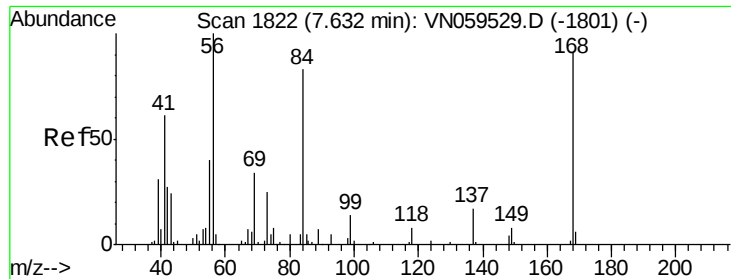
apatel  
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#30  
Chloroform  
Concen: 161.651 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Tgt Ion: 83 Resp: 954122  
Ion Ratio Lower Upper  
83 100  
85 64.6 50.6 75.8





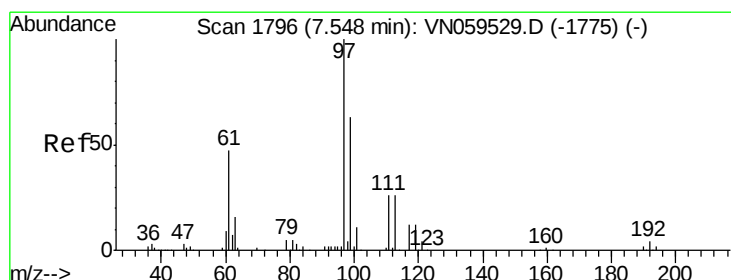
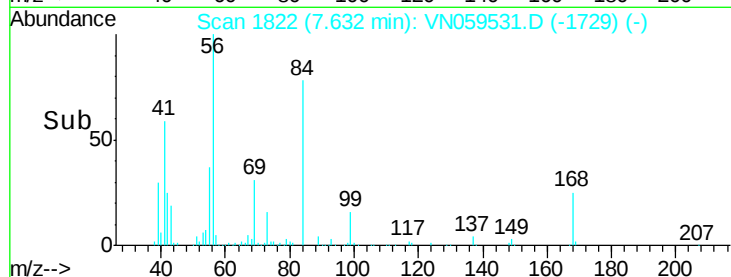
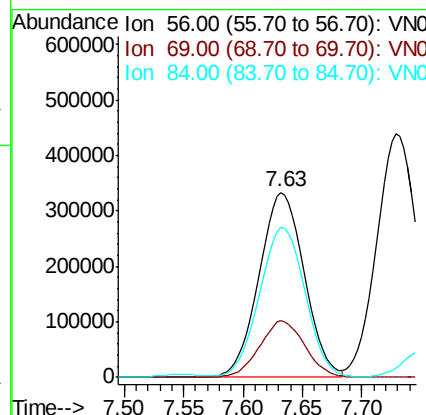
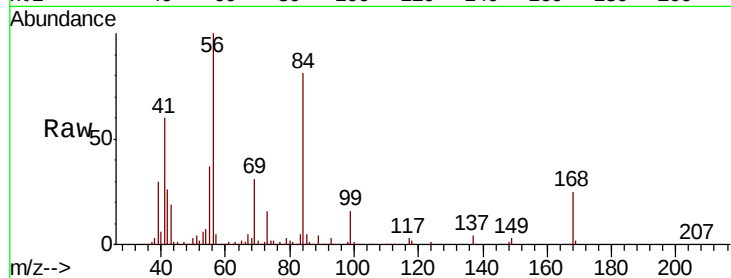
#31  
Cyclohexane  
Concen: 150.560 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.6  | 26.9  | 40.3  |
| 84      | 79.5  | 66.5  | 99.7  |

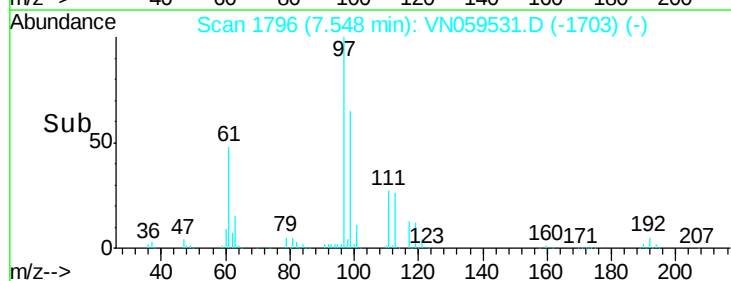
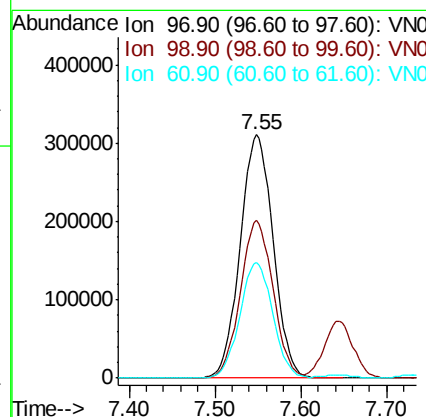
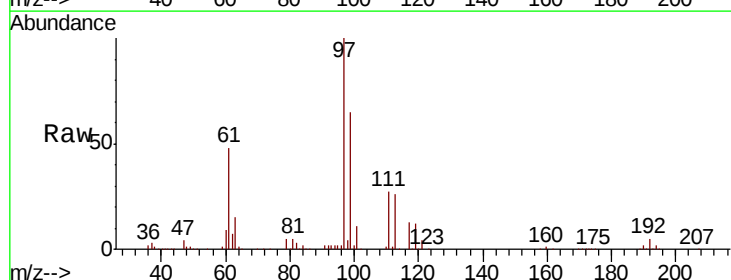
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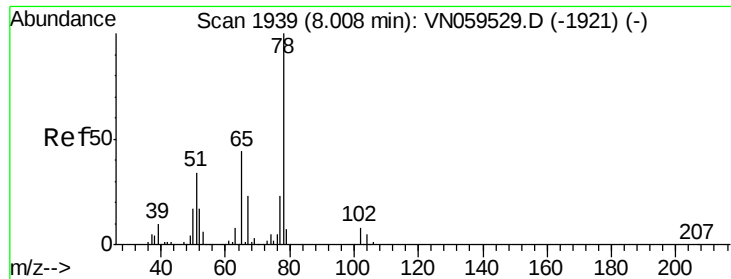
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#32  
1,1,1-Trichloroethane  
Concen: 161.119 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 51.4  | 77.2  |
| 61      | 47.5  | 38.5  | 57.7  |





#33

1,2-Dichloroethane-d4

Concen: 172.759 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 614851

Ion Ratio Lower Upper

65 100

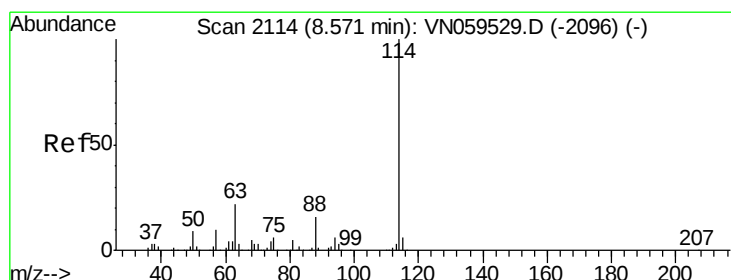
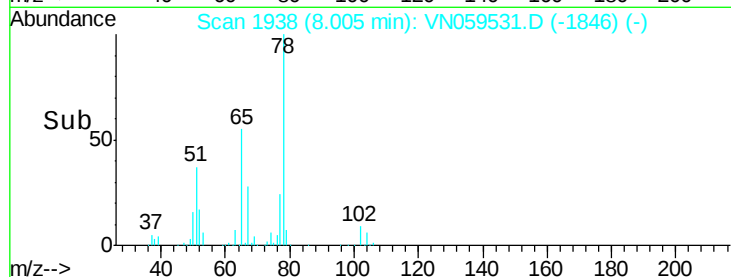
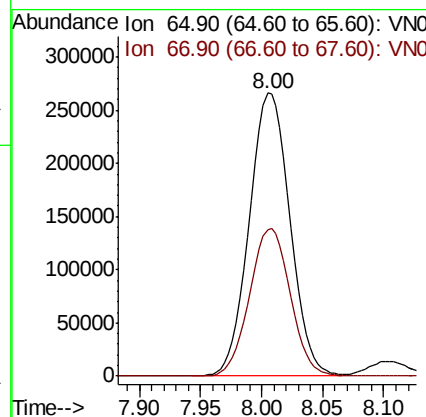
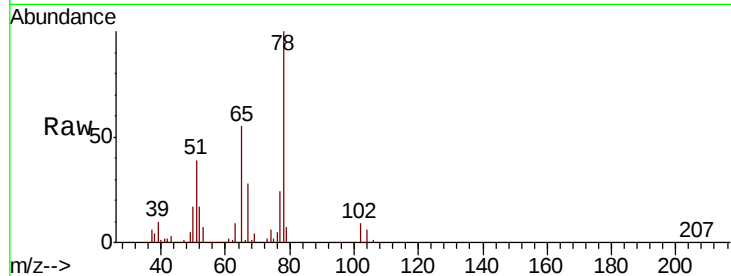
67 52.1 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

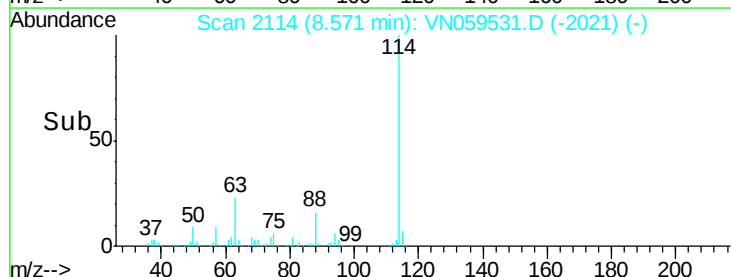
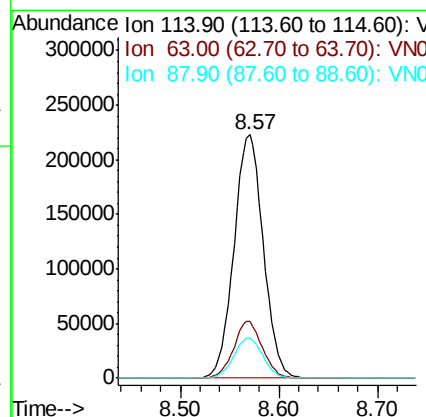
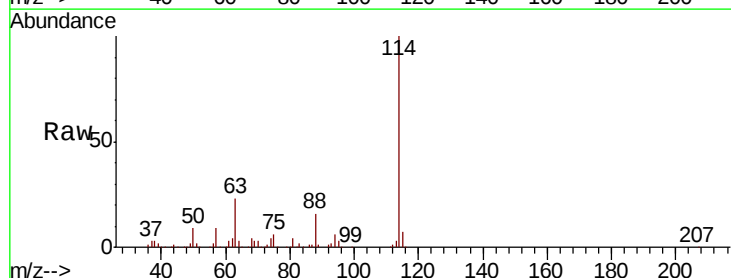
Tgt Ion: 114 Resp: 462122

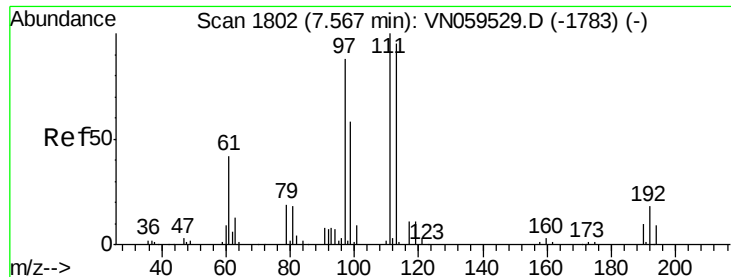
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 16.4 0.0 32.2





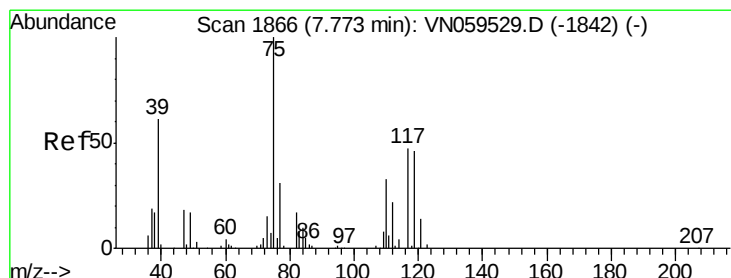
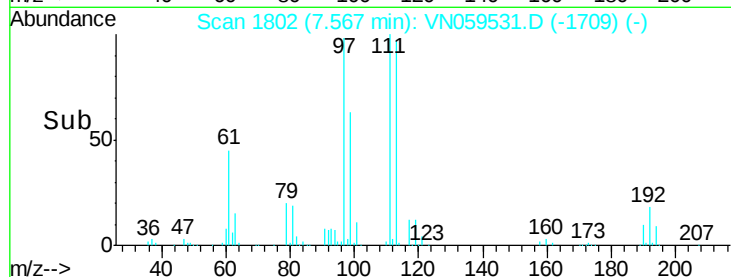
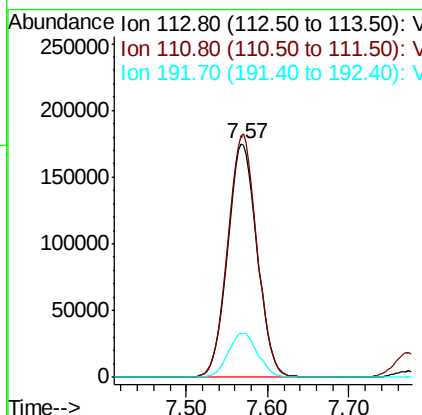
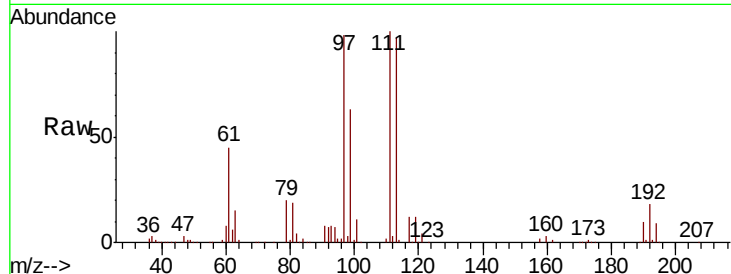
#35  
 Dibromofluoromethane  
 Concen: 157.744 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 443172 |       |       |
| 111     | 103.1 | 82.2   | 123.4 |       |
| 192     | 19.0  | 14.8   | 22.2  |       |

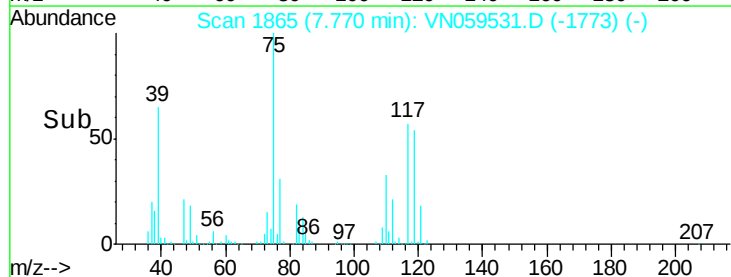
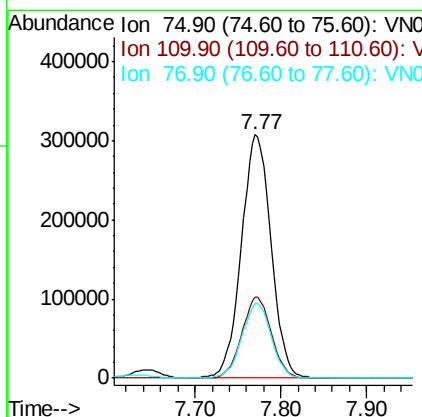
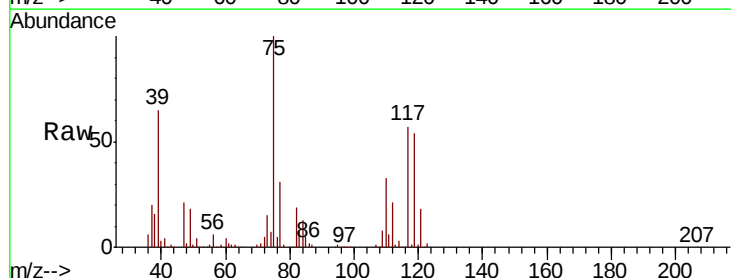
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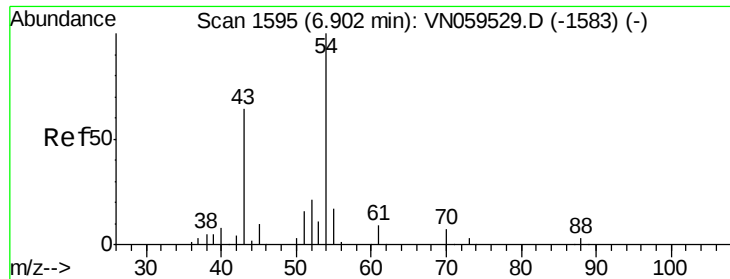
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#36  
 1,1-Dichloropropene  
 Concen: 156.377 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 736507 |       |       |
| 110     | 33.0  | 16.7   | 50.0  |       |
| 77      | 30.7  | 24.6   | 37.0  |       |





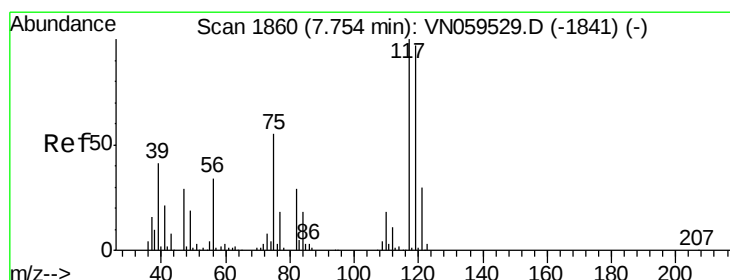
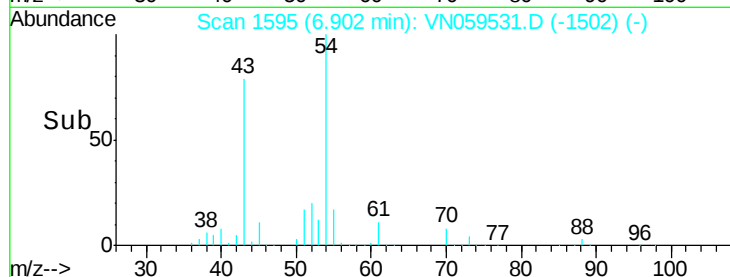
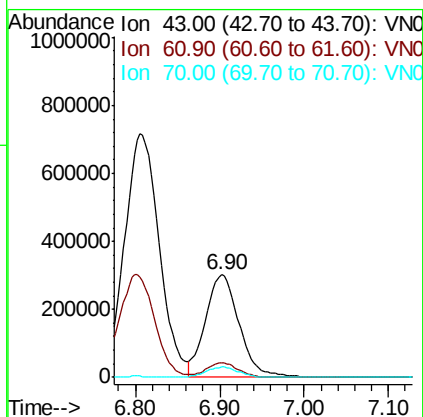
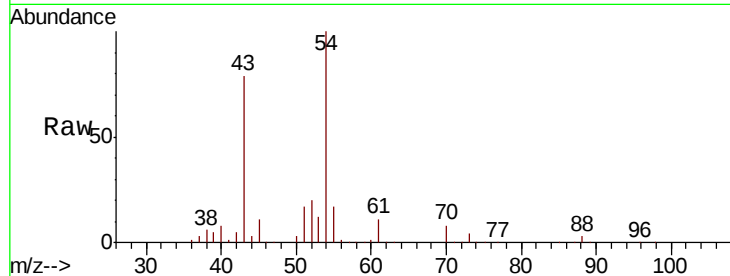
#37  
Ethyl Acetate  
Concen: 158.655 ug/l  
RT: 6.90 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 11.0  | 16.6  |
| 70      | 9.6   | 7.7   | 11.5  |

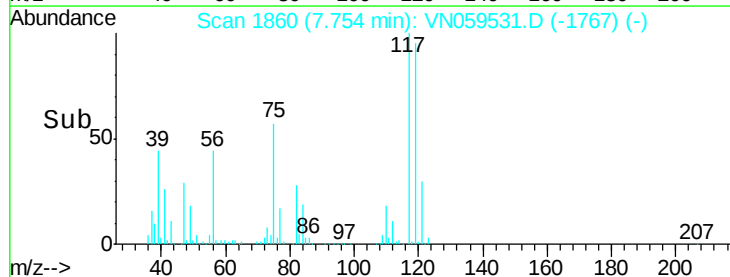
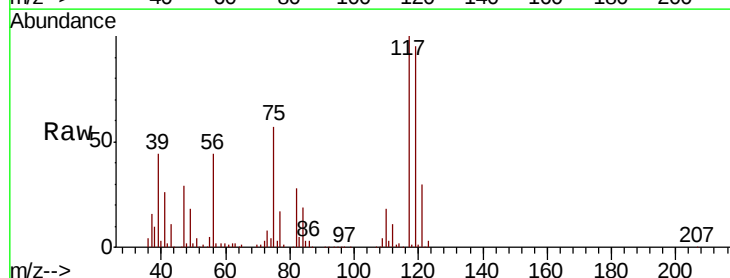
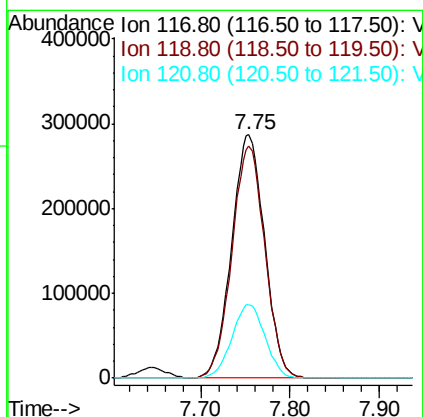
Manual Integrations  
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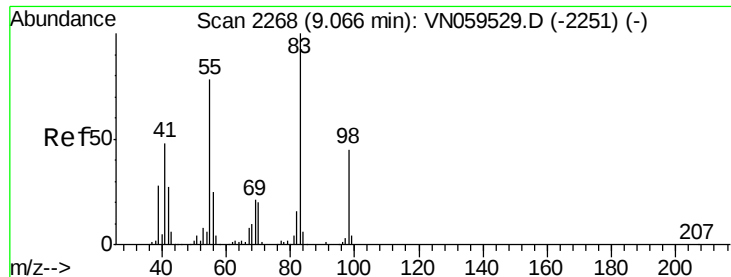
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#38  
Carbon Tetrachloride  
Concen: 161.410 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.1  | 77.0  | 115.4 |
| 121     | 30.4  | 24.1  | 36.1  |





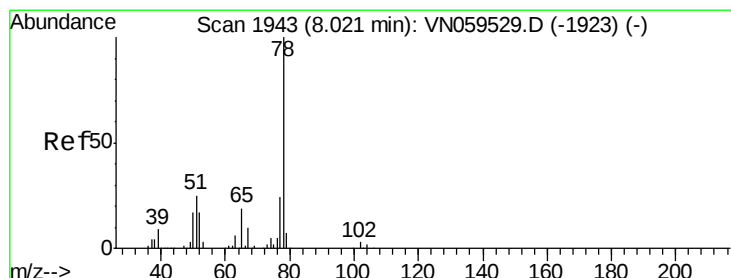
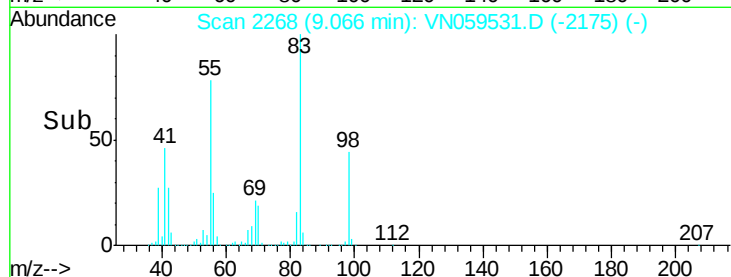
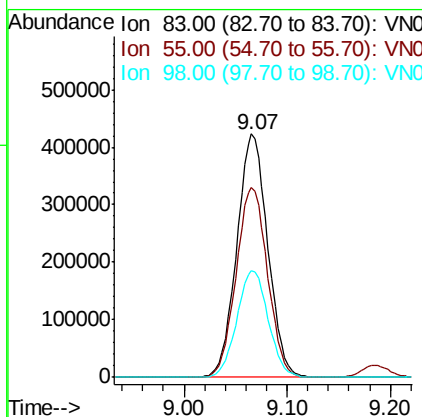
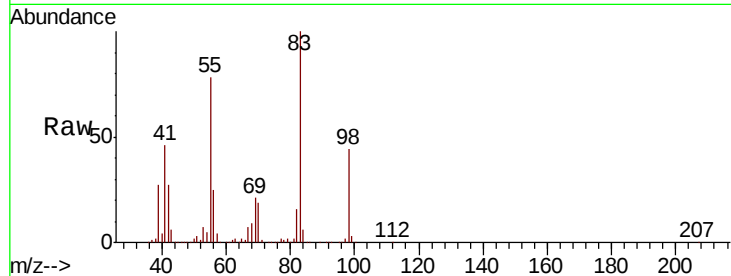
#39  
Methvlcvclohexane  
Concen: 156.583 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.1  | 62.7  | 94.1  |
| 98      | 43.9  | 35.7  | 53.5  |

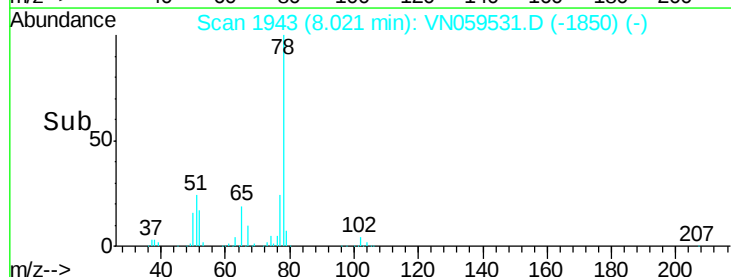
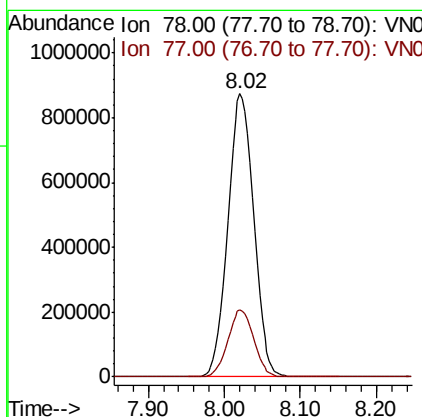
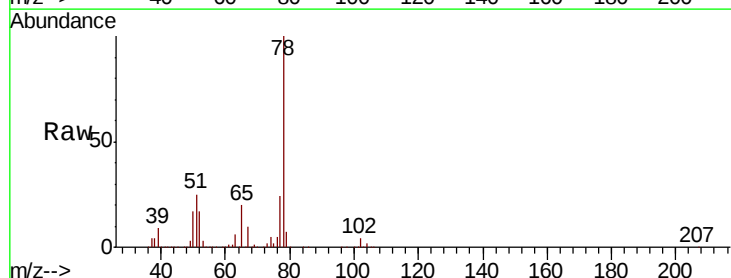
Manual Integrations  
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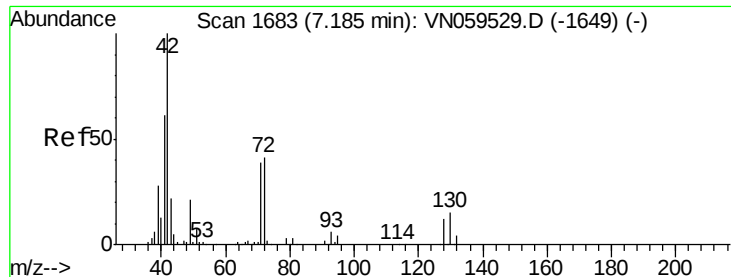
apatel  
12/10/2019 5:10:49 PM



#40  
Benzene  
Concen: 150.594 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 18.8  | 28.2  |





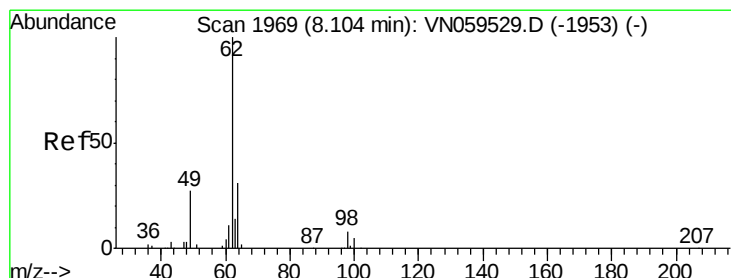
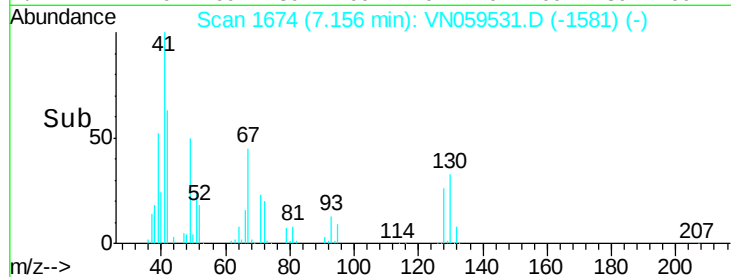
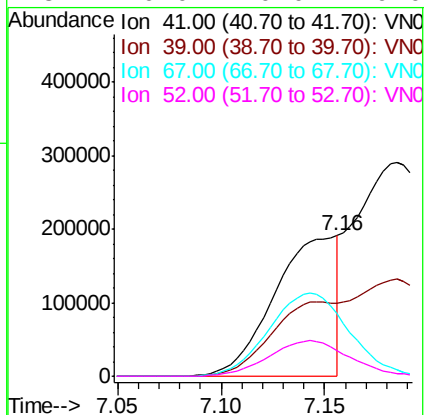
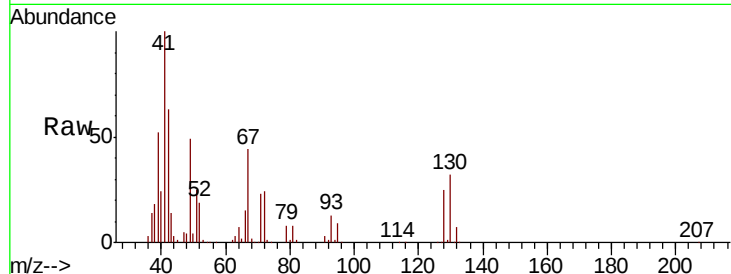
#41  
Methacrylonitrile  
Concen: 184.263 ug/l m  
RT: 7.16 min Scan# 1674  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | 41    | Resp  | 399924 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 39      | 0.0   | 0.0   | 0.0    |
| 67      | 0.0   | 0.0   | 0.0    |
| 52      | 0.0   | 0.0   | 0.0    |

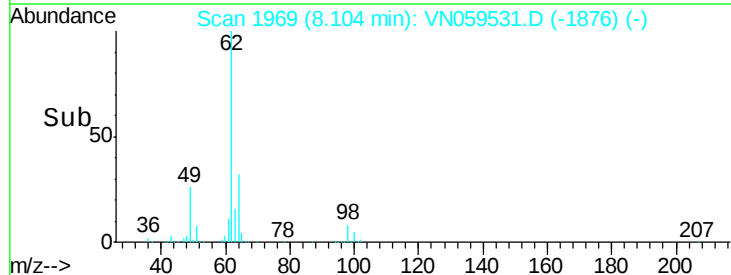
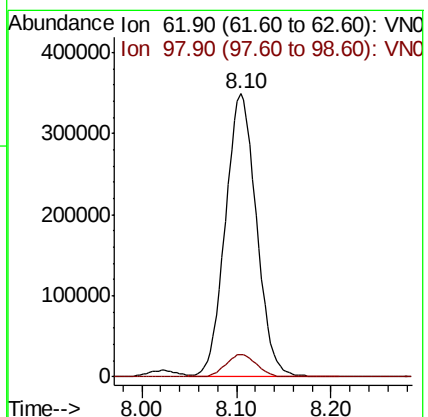
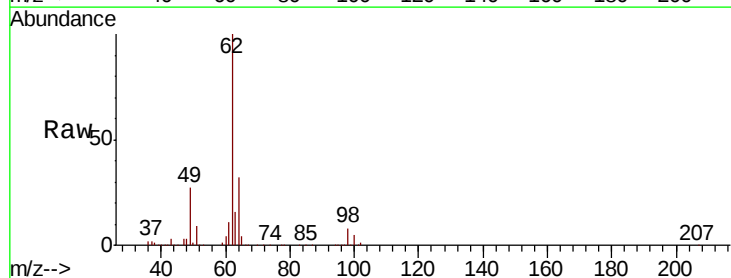
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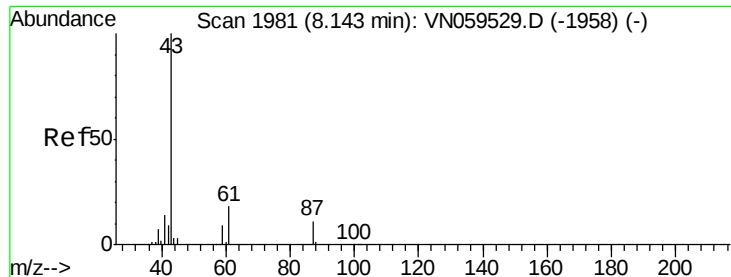
apatel  
12/10/2019 5:10:49 PM



#42  
1,2-Dichloroethane  
Concen: 166.809 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | 62    | Resp  | 795489 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 7.9   | 0.0   | 15.4   |





#43

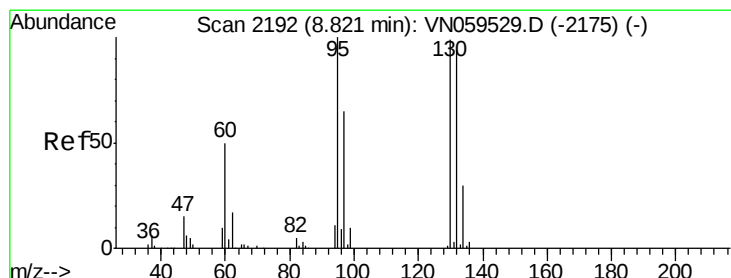
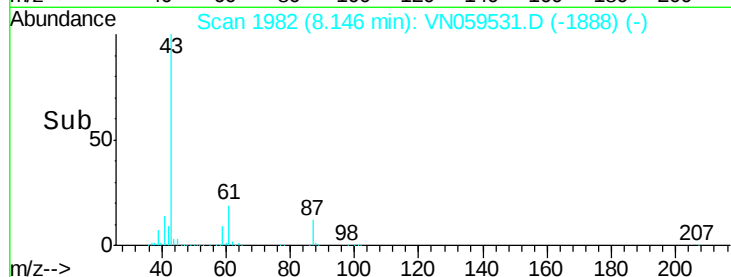
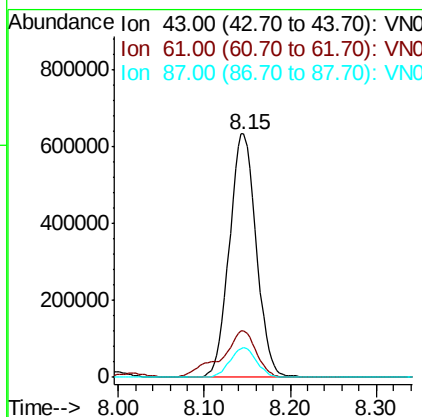
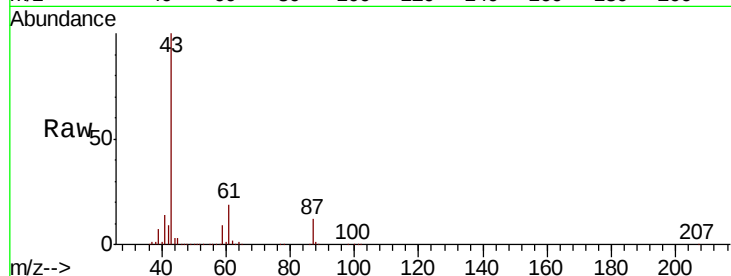
Isopropyl Acetate  
 Concen: 173.489 ug/l  
 RT: 8.15 min Scan# 1982  
 Delta R.T. 0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

| Tot Ion   | 43   | Resp  | 1366120 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 43        | 100  |       |         |
| 61        | 24.9 | 19.8  | 29.6    |
| 87        | 12.1 | 9.4   | 14.2    |

Manual Integrations  
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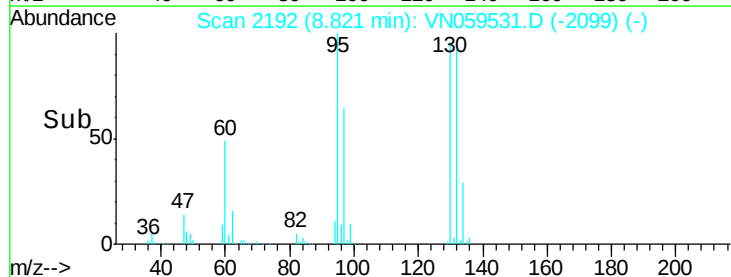
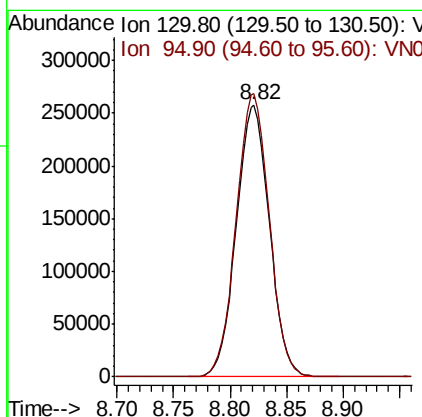
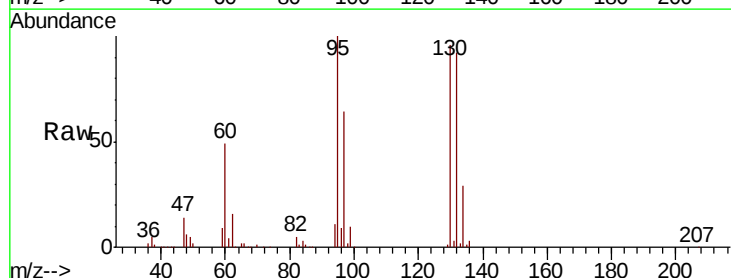
apatel  
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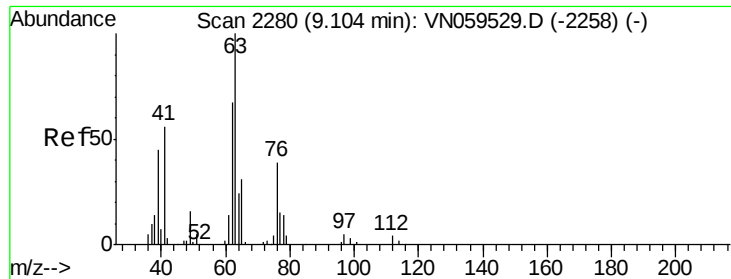


#44

Trichloroethene  
 Concen: 146.635 ug/l  
 RT: 8.82 min Scan# 2192  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

| Tgt Ion   | 130   | Resp  | 525169 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 130       | 100   |       |        |
| 95        | 104.0 | 0.0   | 202.0  |





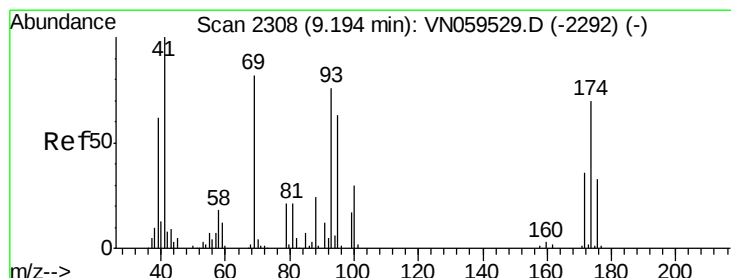
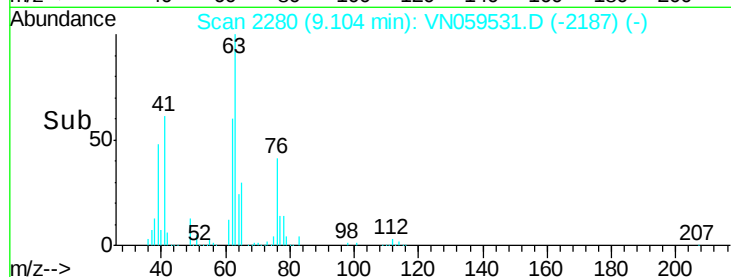
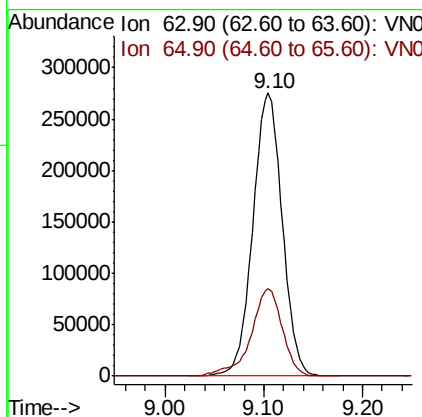
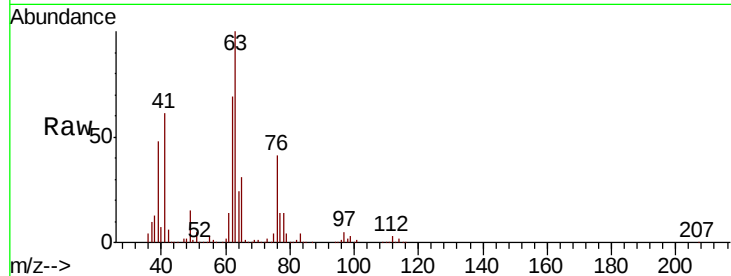
#45  
 1,2-Dichloropropane  
 Concen: 153.561 ug/l  
 RT: 9.10 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 63 Resp: 564347  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 24.8 37.2

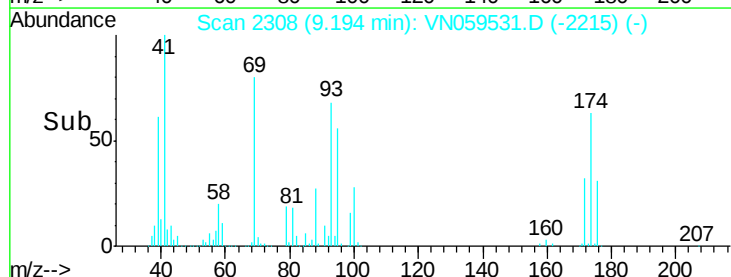
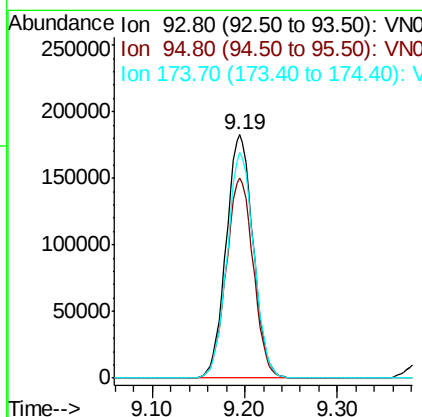
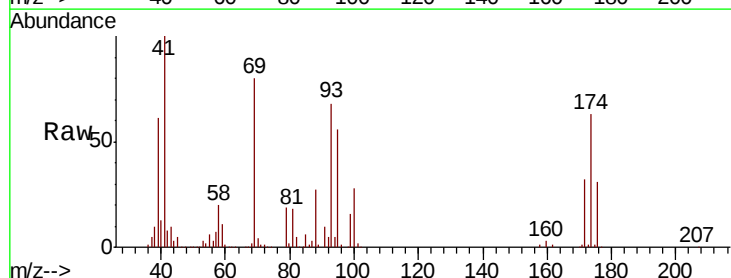
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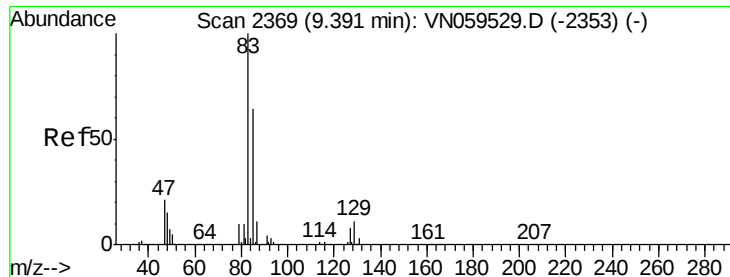
apatel  
 12/10/2019 5:10:49 PM



#46  
 Dibromomethane  
 Concen: 160.278 ug/l  
 RT: 9.19 min Scan# 2308  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Tgt Ion: 93 Resp: 368699  
 Ion Ratio Lower Upper  
 93 100  
 95 82.8 67.0 100.6  
 174 92.3 75.6 113.4





#47

Bromodichloromethane

Concen: 164.636 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

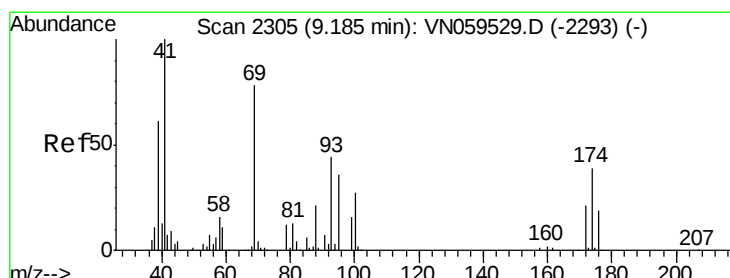
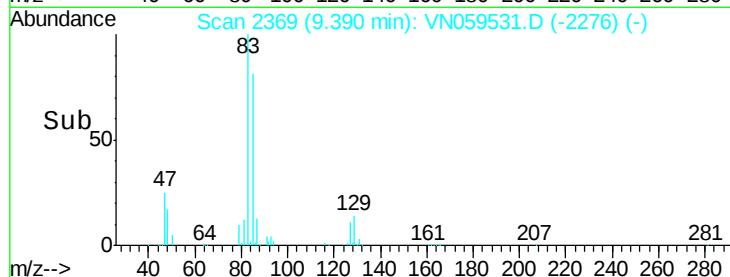
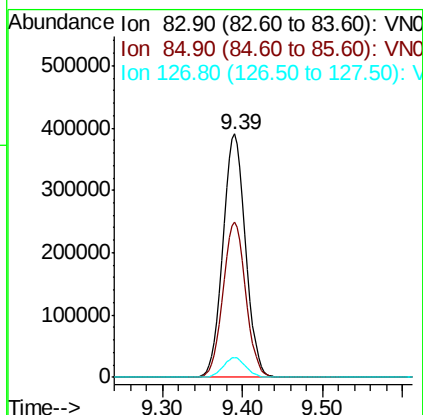
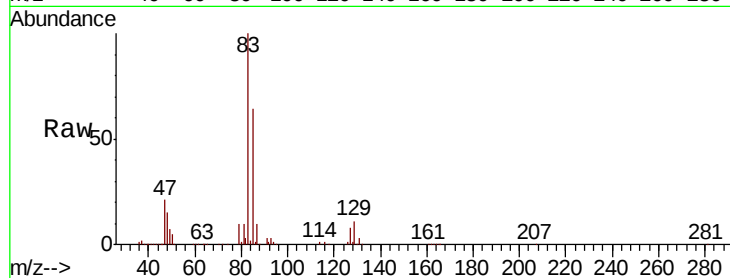
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 762075 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.0  | 51.4  | 77.0   |
| 127       | 8.2   | 6.7   | 10.1   |

Manual Integrations  
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apatel  
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#48

Methyl methacrylate

Concen: 178.170 ug/l

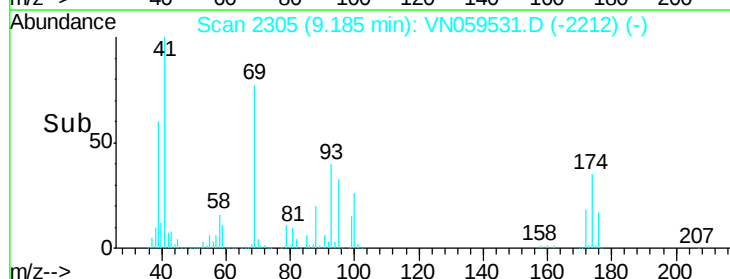
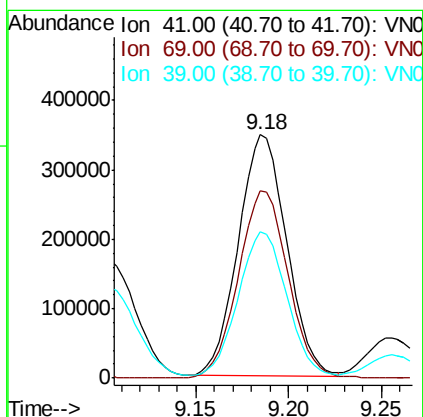
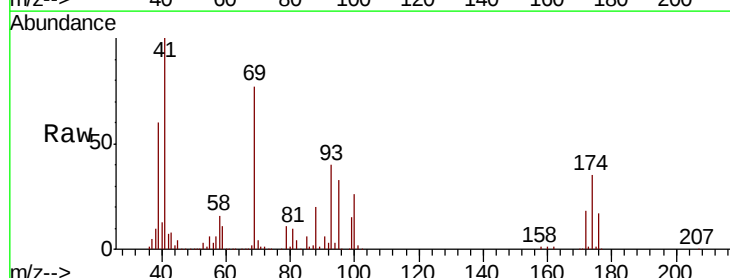
RT: 9.18 min Scan# 2305

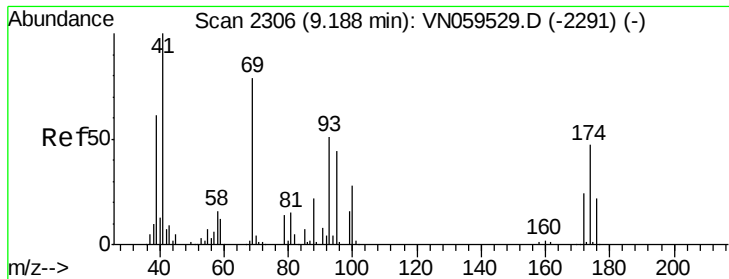
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 631830 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 79.9  | 64.0  | 96.0   |
| 39        | 61.6  | 50.0  | 75.0   |





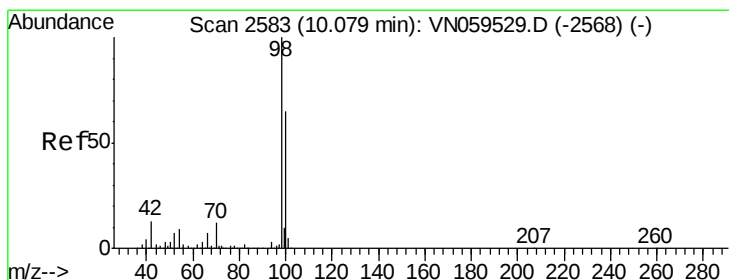
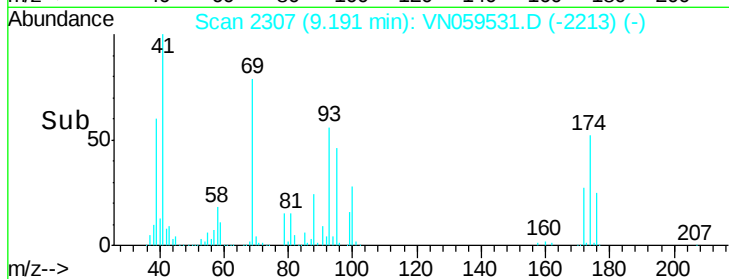
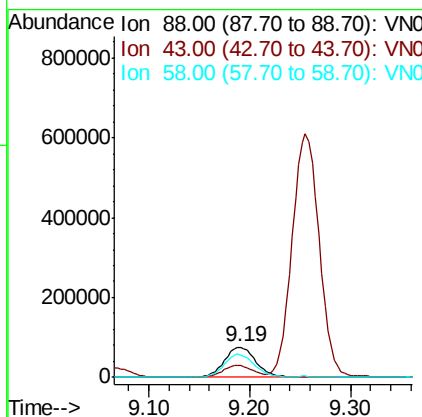
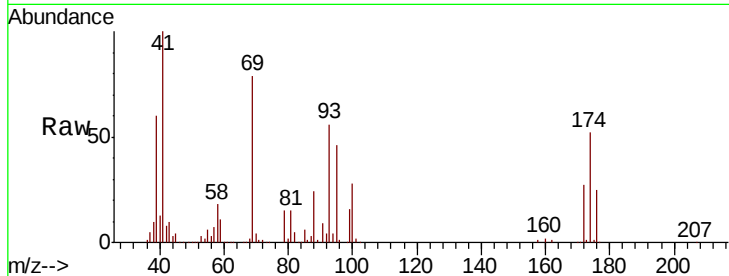
#49  
1,4-Dioxane  
Concen: 3168.209 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. 0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.0  | 31.4  | 47.0  |
| 58      | 74.4  | 61.0  | 91.6  |

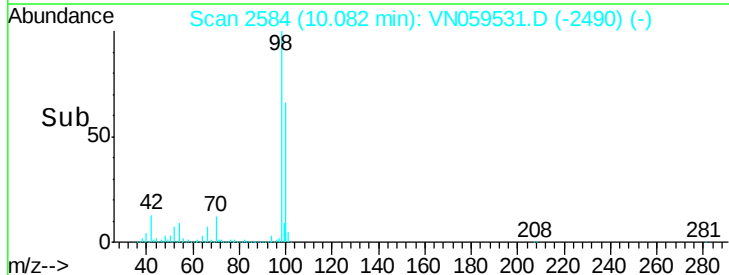
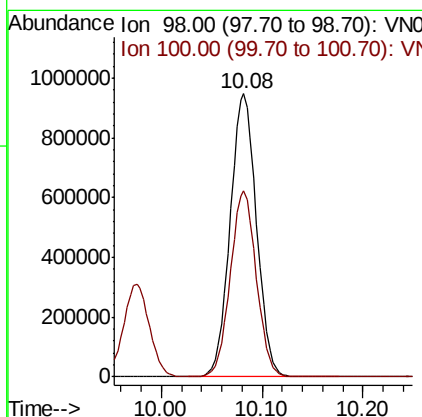
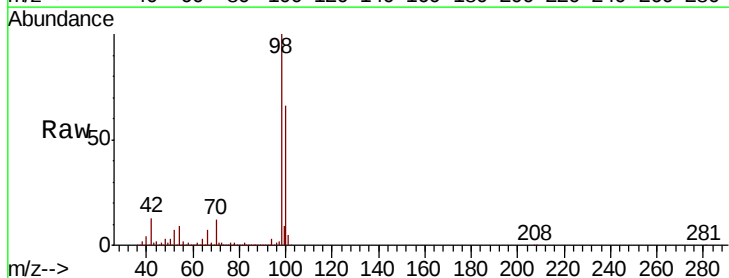
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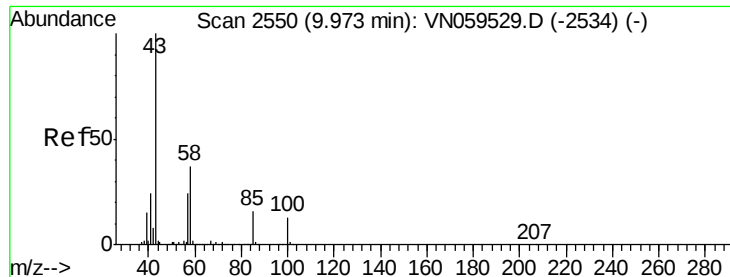
apatel  
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#50  
Toluene-d8  
Concen: 156.204 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.0  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 807.677 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3767333

Ion Ratio Lower Upper

43 100

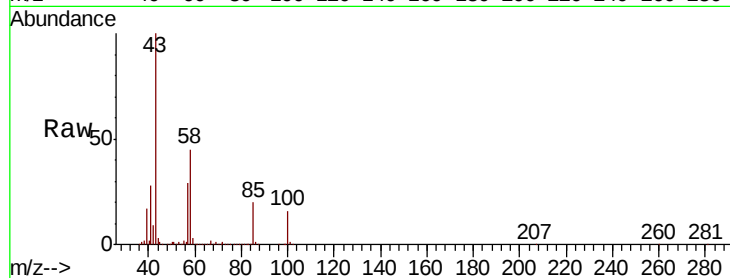
58 41.6 30.1 45.1

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Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-2534) (-)

2000000

1500000

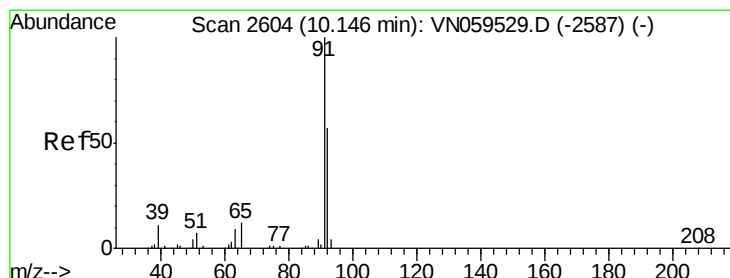
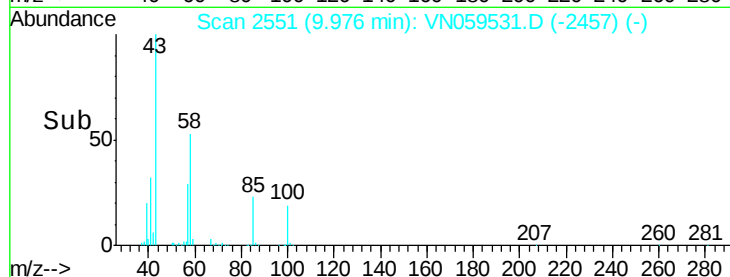
1000000

500000

0

9.90 9.95 10.00 10.05 10.10

Time-->



#52

Toluene

Concen: 156.166 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059531.D

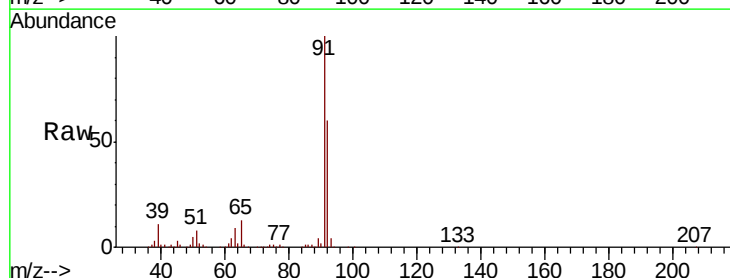
Acq: 9 Dec 2019 16:35

Tgt Ion: 92 Resp: 1293818

Ion Ratio Lower Upper

92 100

91 170.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN059529.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059529.D (-2587) (-)

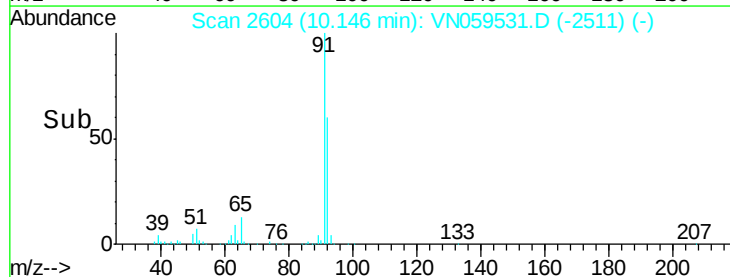
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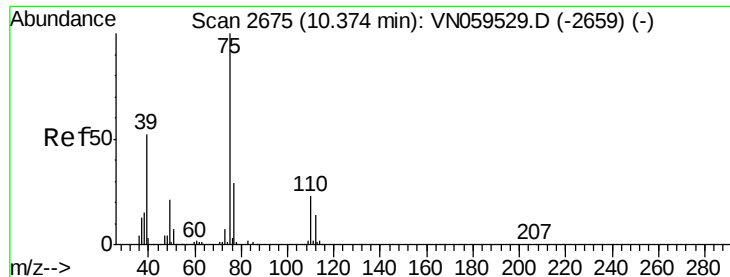
500000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 167.081 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC150

Tot Ion: 75 Resp: 906969

Ion Ratio Lower Upper

75 100

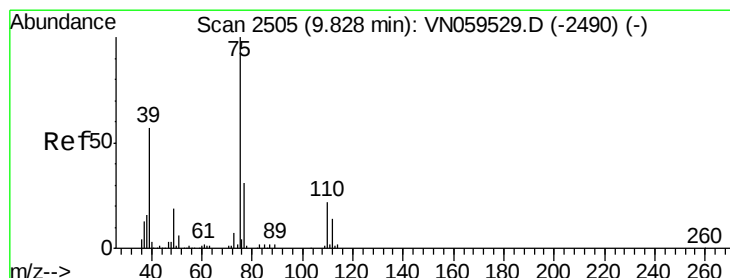
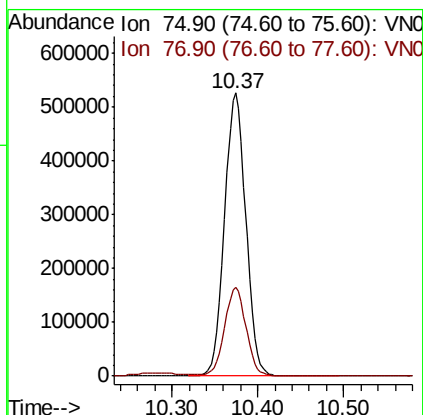
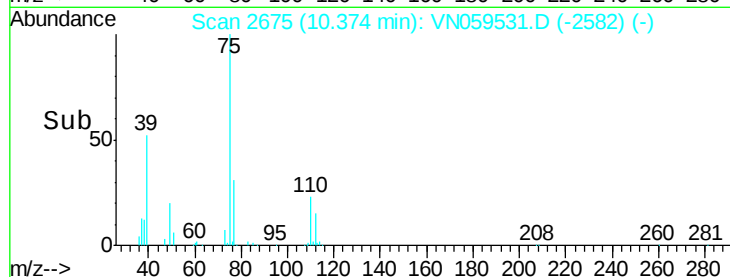
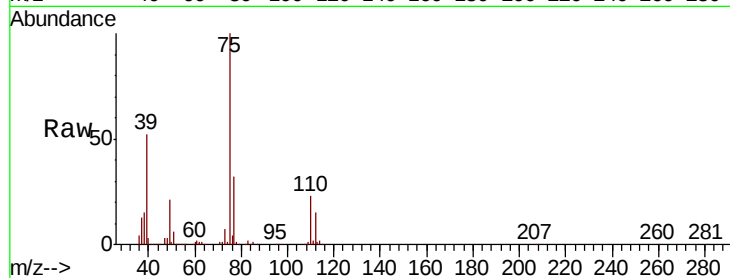
77 31.4 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 162.071 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

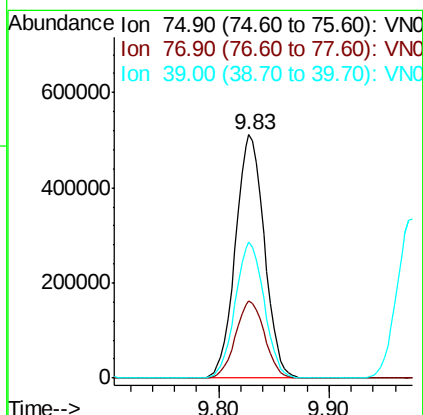
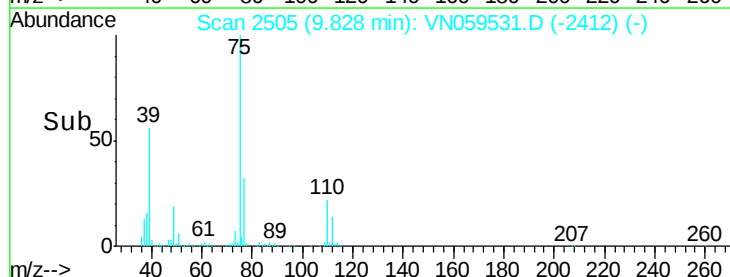
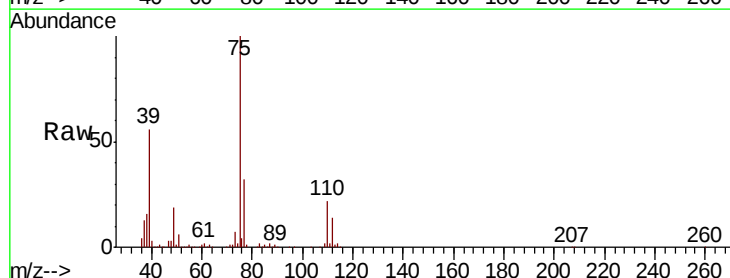
Tgt Ion: 75 Resp: 928157

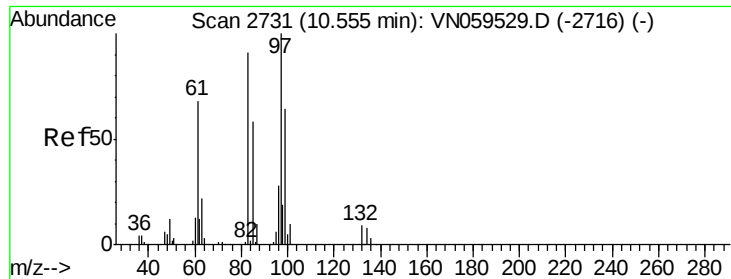
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 55.6 45.6 68.4





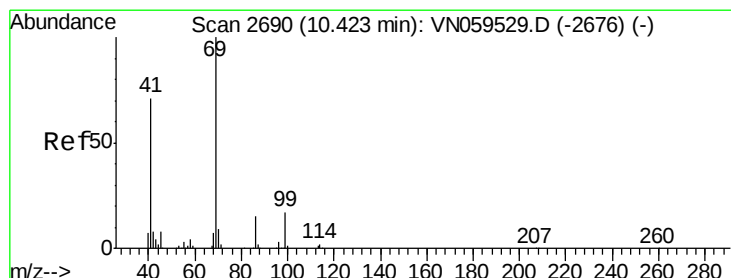
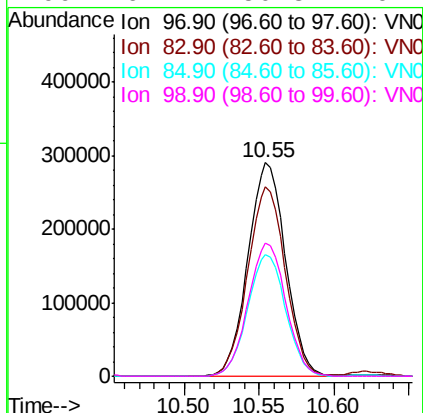
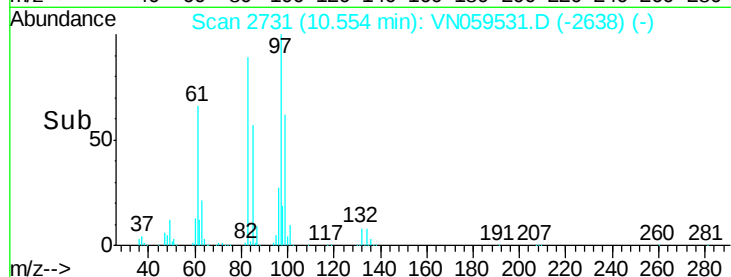
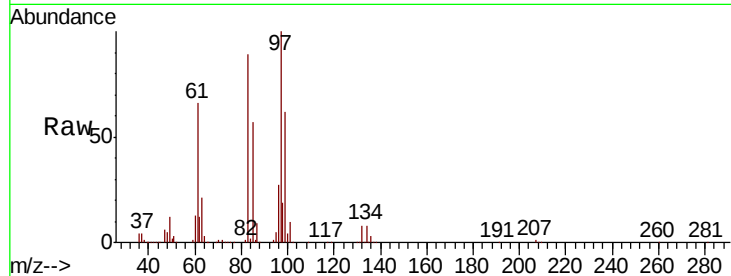
#55  
 1,1,2-Trichloroethane  
 Concen: 155.786 ug/l  
 RT: 10.55 min Scan# 2731  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 509626 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.7  | 72.9  | 109.3  |
| 85       | 57.1  | 46.1  | 69.1   |
| 99       | 62.2  | 50.8  | 76.2   |

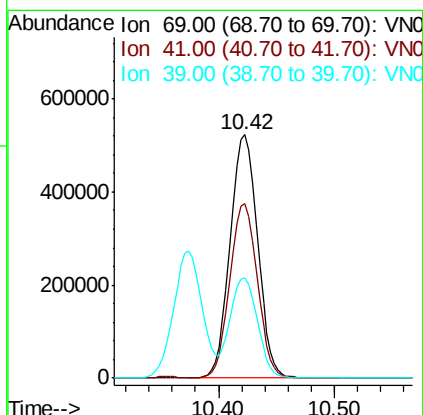
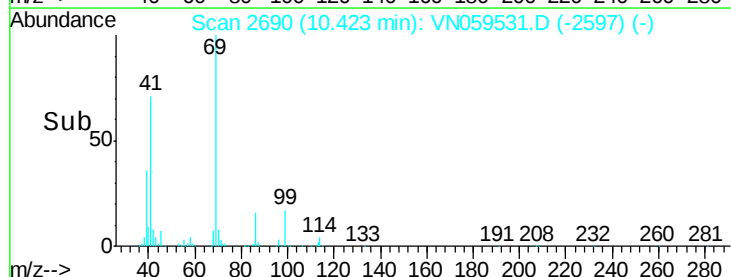
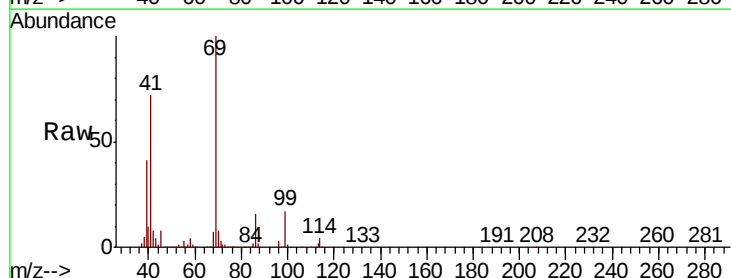
Manual Integrations  
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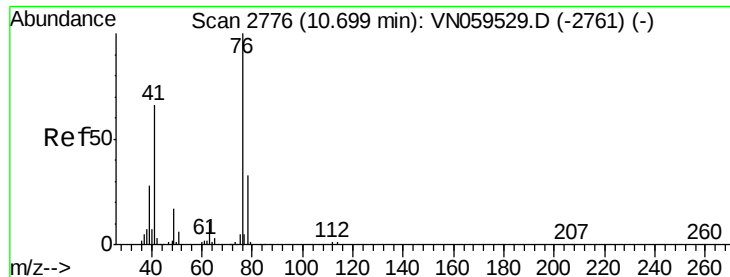
apatel  
 12/10/2019 5:10:49 PM



#56  
 Ethyl methacrylate  
 Concen: 181.103 ug/l  
 RT: 10.42 min Scan# 2690  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 858308 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.7  | 57.7  | 86.5   |
| 39       | 40.7  | 34.2  | 51.2   |





#57

1,3-Dichloropropane

Concen: 157.889 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 896815

Ion Ratio Lower Upper

76 100

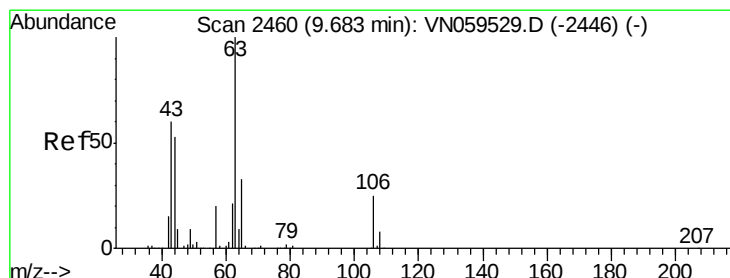
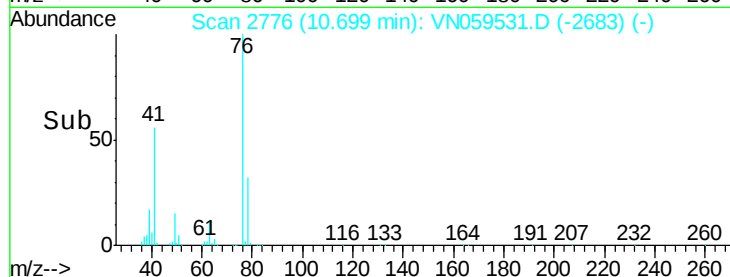
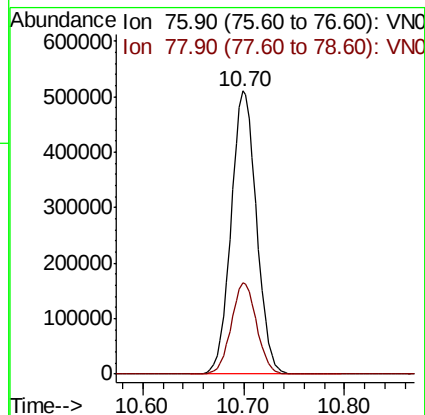
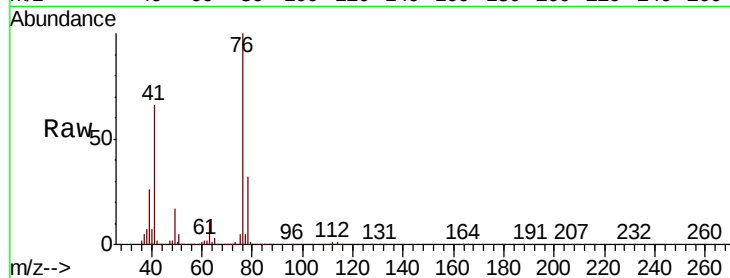
78 32.1 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 854.998 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059531.D

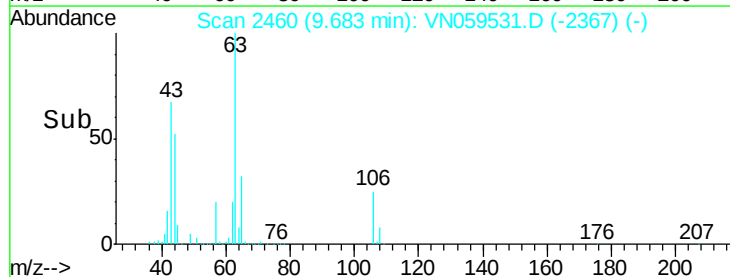
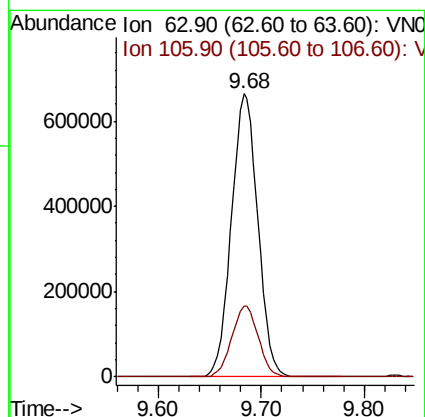
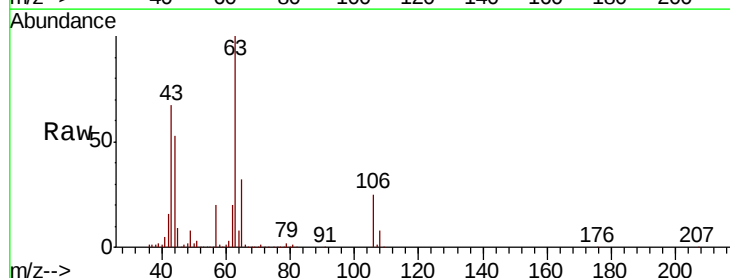
Acq: 9 Dec 2019 16:35

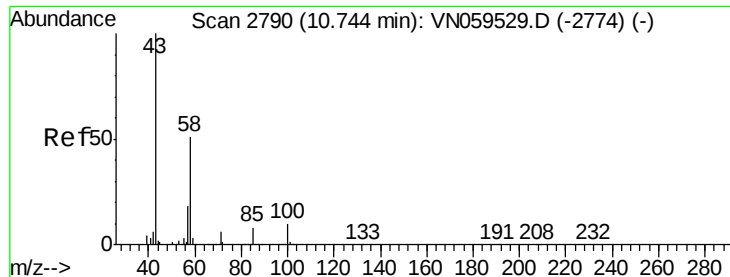
Tgt Ion: 63 Resp: 1183924

Ion Ratio Lower Upper

63 100

106 25.0 19.9 29.9





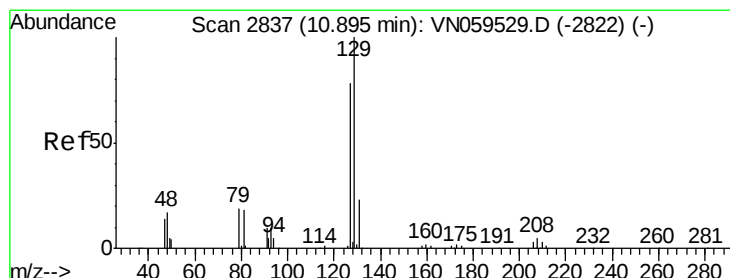
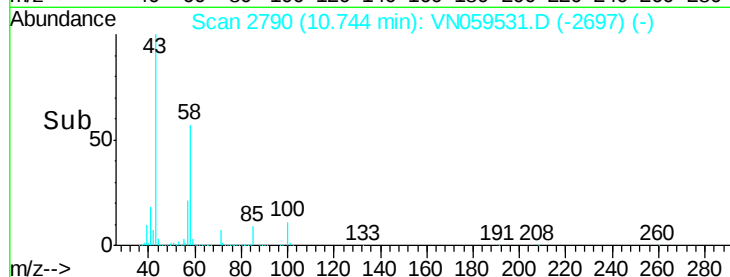
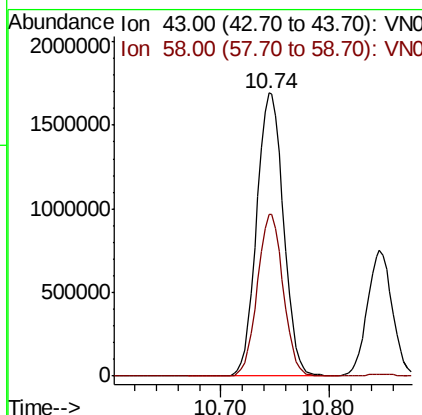
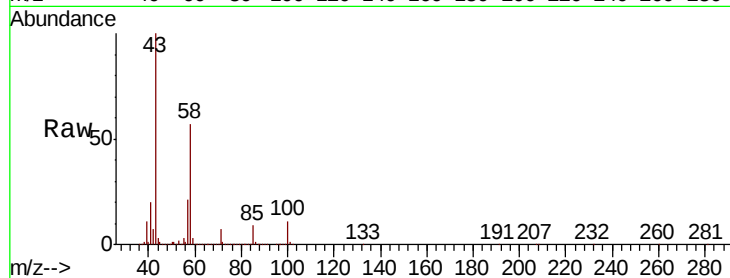
#59  
2-Hexanone  
Concen: 830.223 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 2914416  
Ion Ratio Lower Upper  
43 100  
58 55.0 25.9 77.6

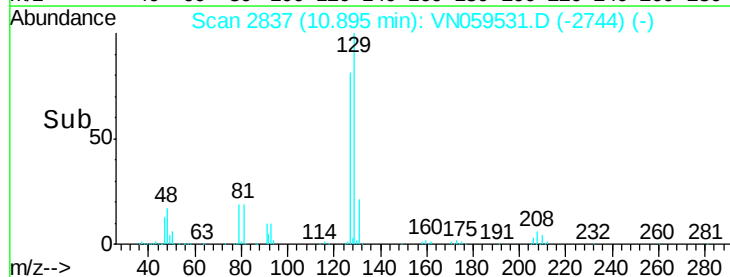
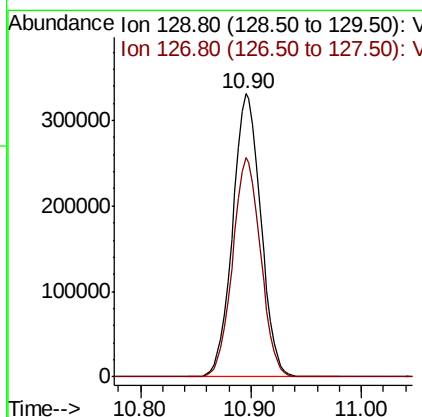
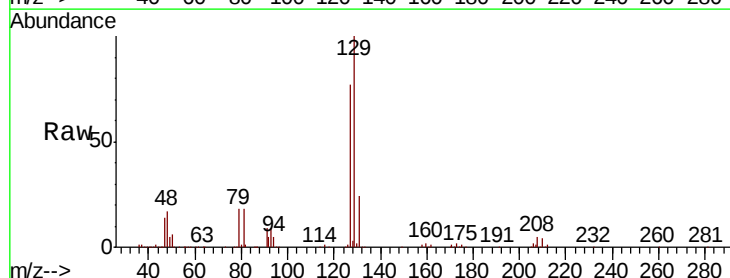
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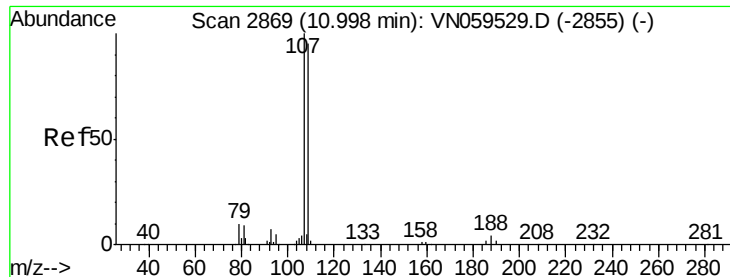
apatel  
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#60  
Dibromochloromethane  
Concen: 166.495 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Tgt Ion: 129 Resp: 585245  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.9 116.6





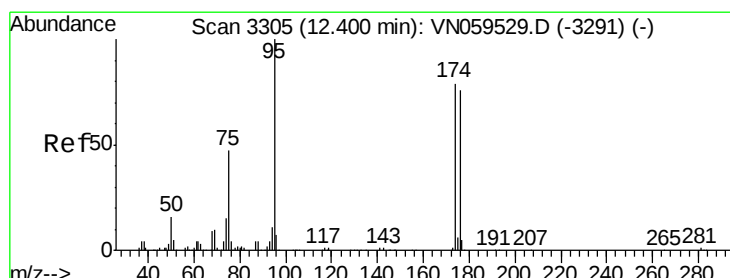
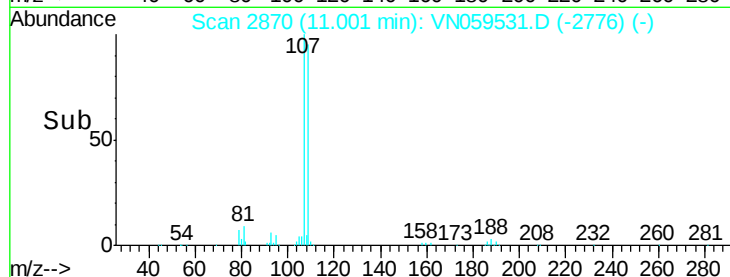
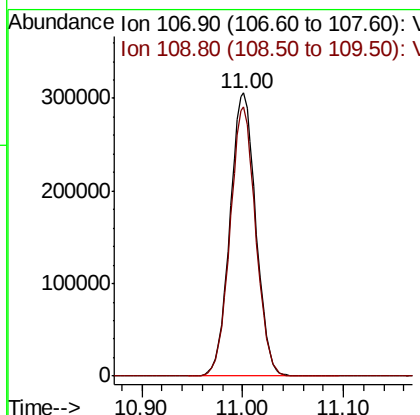
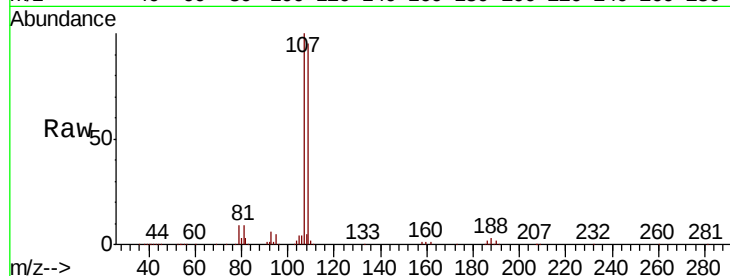
#61  
 1,2-Dibromoethane  
 Concen: 161.143 ug/l  
 RT: 11.00 min Scan# 2870  
 Delta R.T. 0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 546102 |       |       |
| 109     | 94.1  | 76.1   | 114.1 |       |

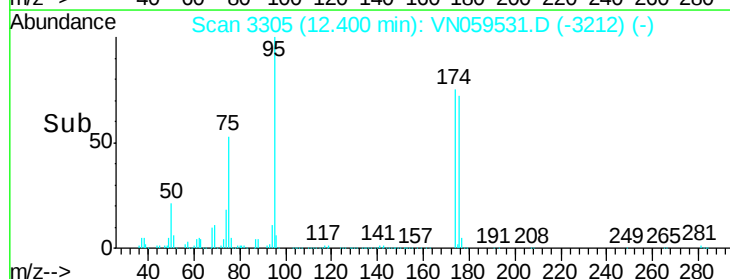
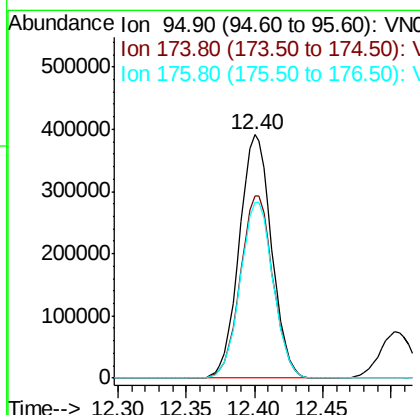
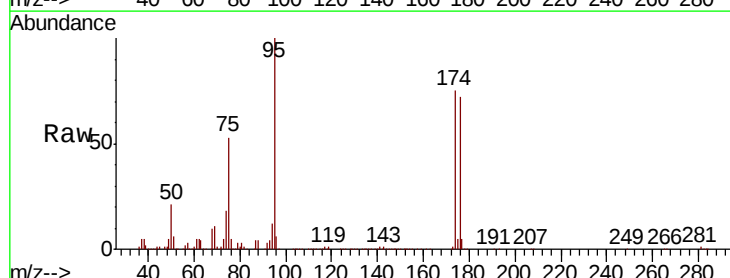
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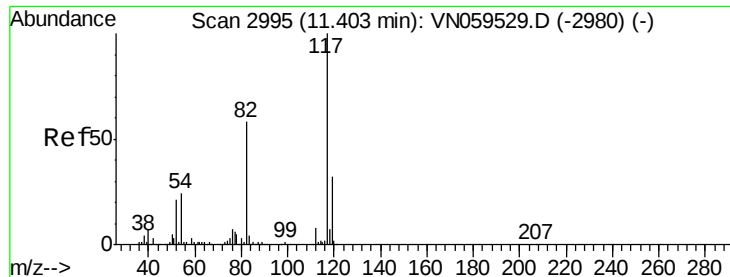
apatel  
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#62  
 4-Bromofluorobenzene  
 Concen: 162.268 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 642554 |       |       |
| 174     | 75.8  | 0.0    | 158.0 |       |
| 176     | 73.4  | 0.0    | 155.4 |       |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

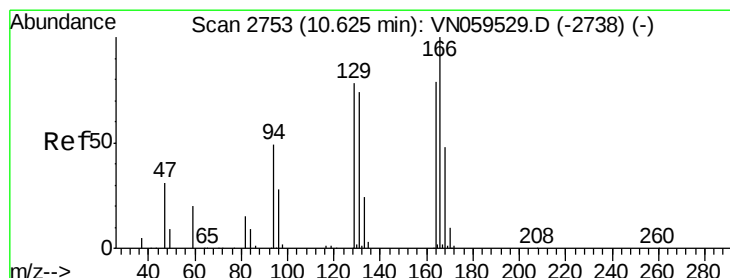
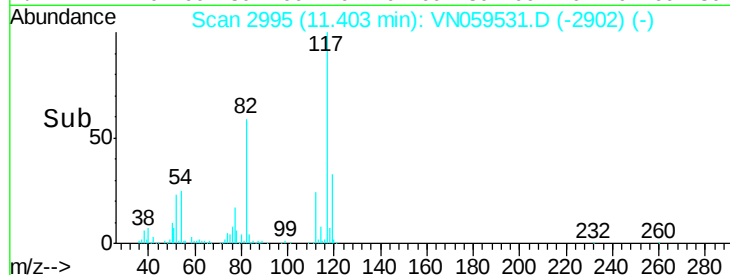
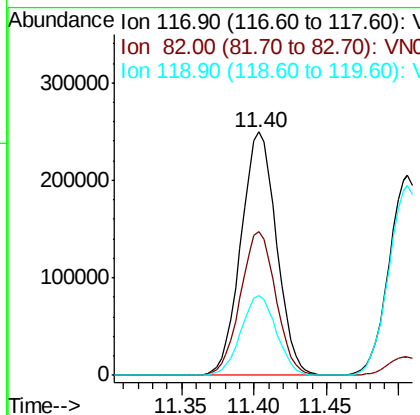
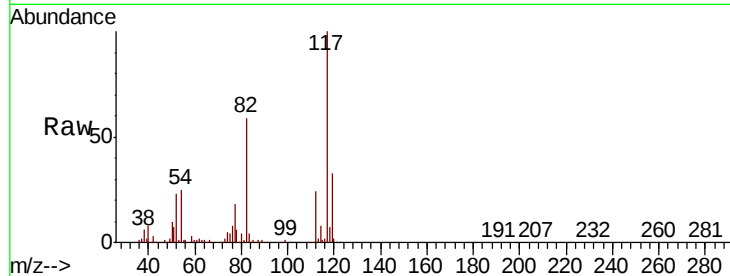
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 426183 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.0  | 46.5  | 69.7   |
| 119       | 32.7  | 25.2  | 37.8   |

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#64

Tetrachloroethene

Concen: 134.849 ug/l

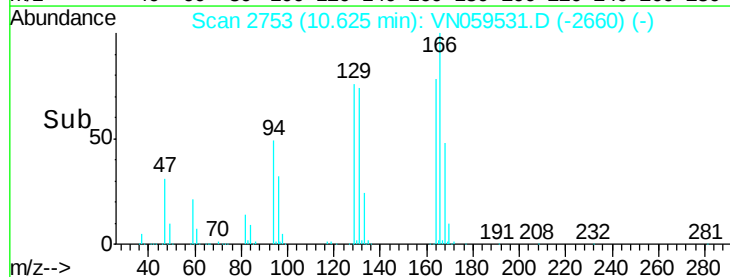
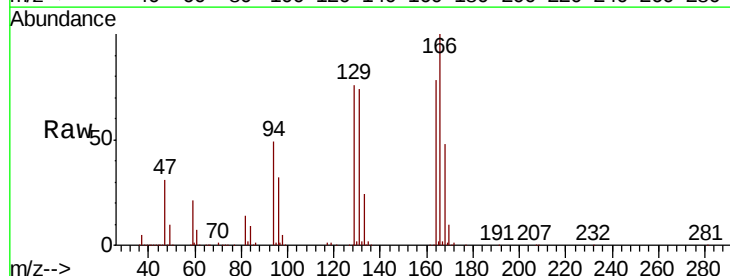
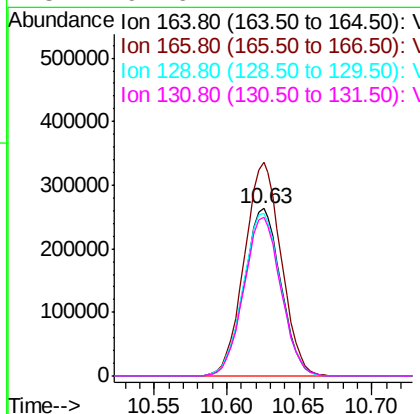
RT: 10.63 min Scan# 2753

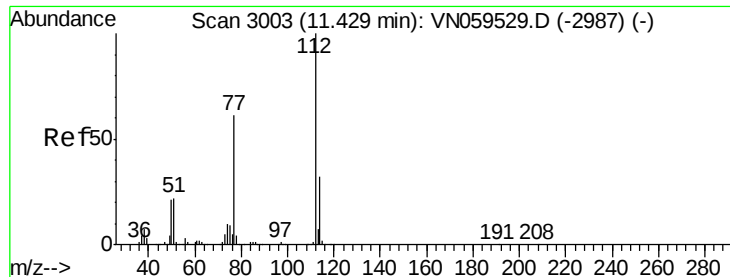
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 465620 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 127.6 | 101.6 | 152.4  |
| 129       | 97.3  | 79.0  | 118.6  |
| 131       | 94.6  | 74.7  | 112.1  |





#65

Chlorobenzene

Concen: 148.151 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1343974

Ion Ratio Lower Upper

112 100

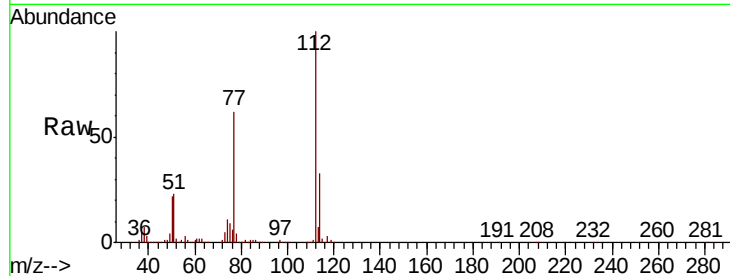
114 32.5 26.0 39.0

Manual Integrations

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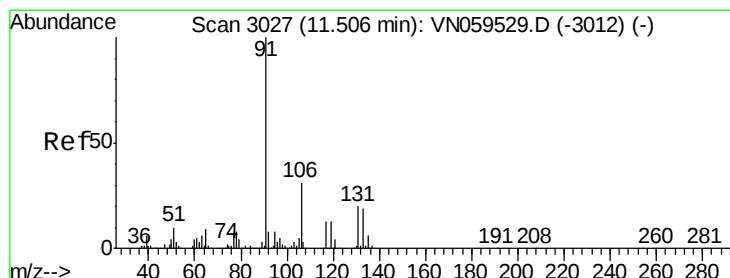
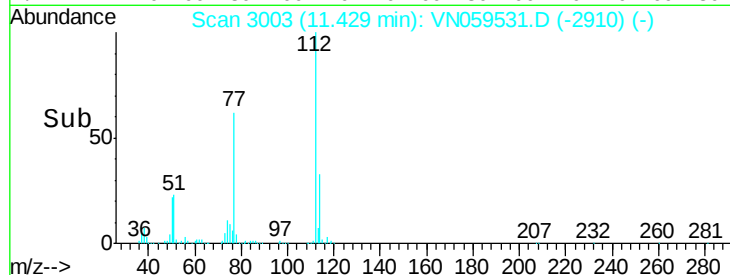
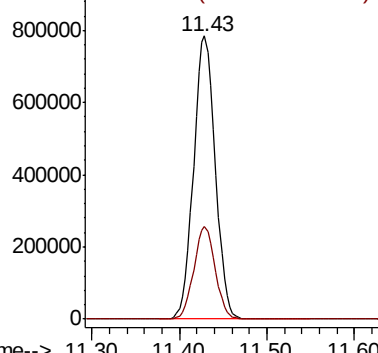
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 157.894 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

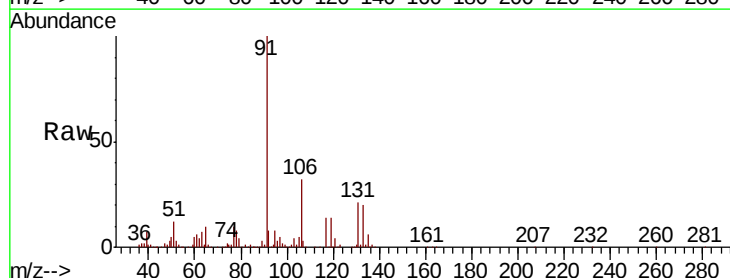
Tgt Ion:131 Resp: 516508

Ion Ratio Lower Upper

131 100

133 95.0 47.8 143.3

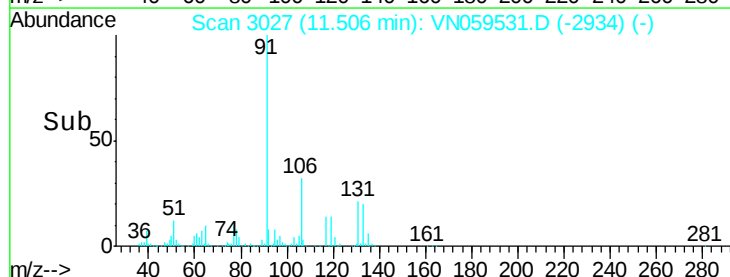
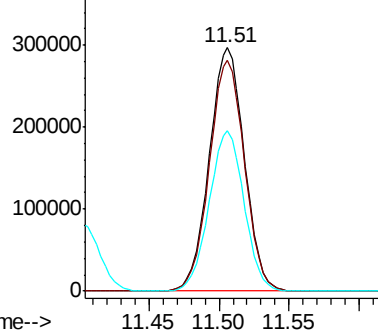
119 65.6 33.4 100.2

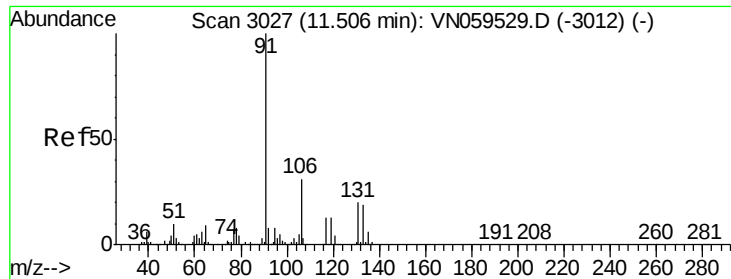


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 153.006 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2437324

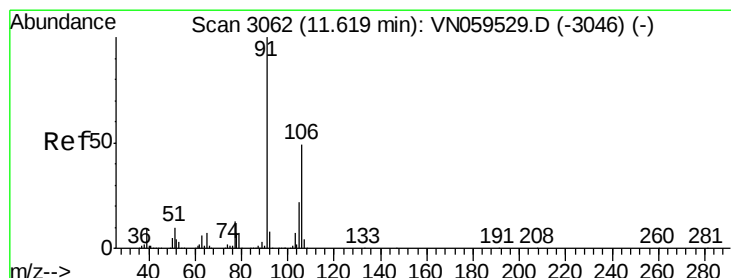
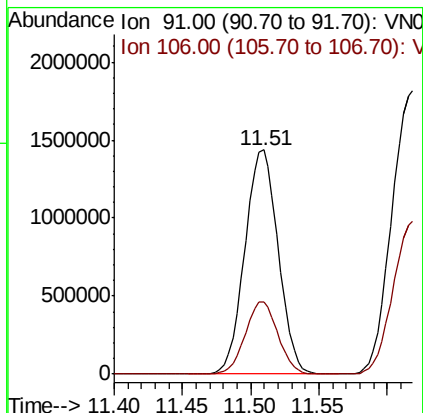
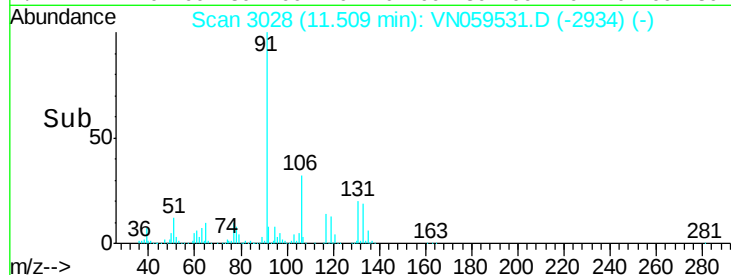
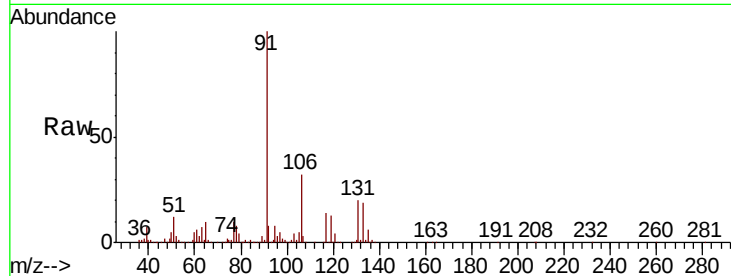
Ion Ratio Lower Upper

91 100

106 32.4 24.5 36.7

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#68

m/p-Xylenes

Concen: 312.011 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059531.D

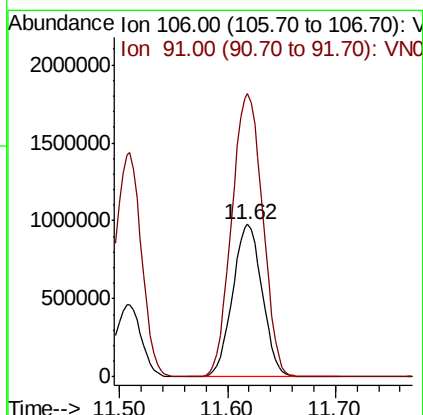
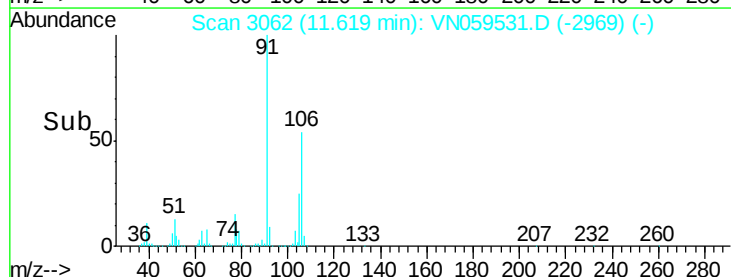
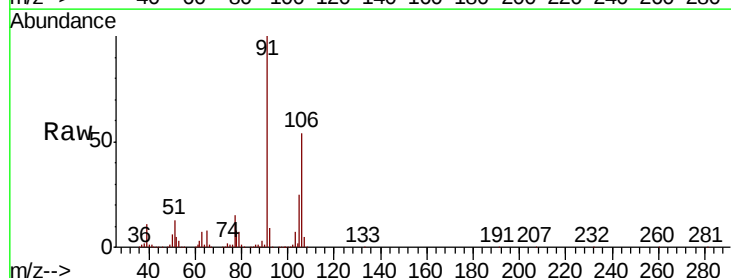
Acq: 9 Dec 2019 16:35

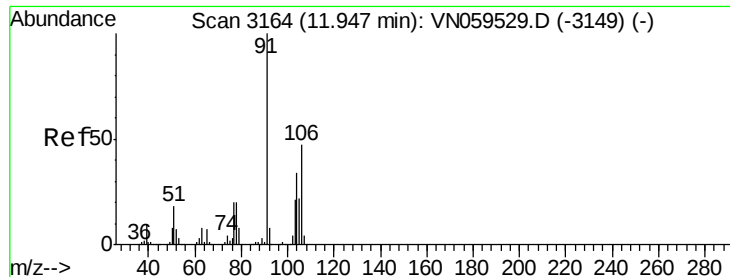
Tgt Ion: 106 Resp: 1865858

Ion Ratio Lower Upper

106 100

91 194.8 162.9 244.3





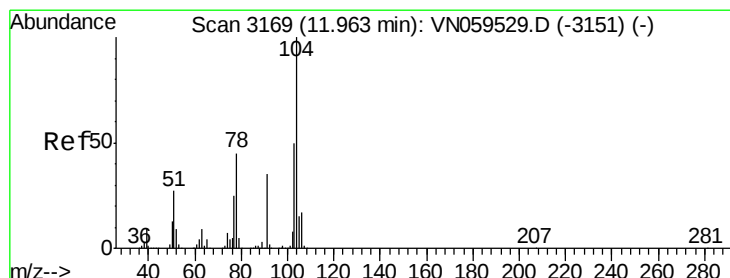
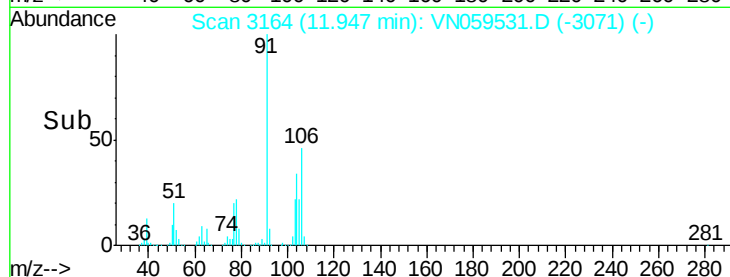
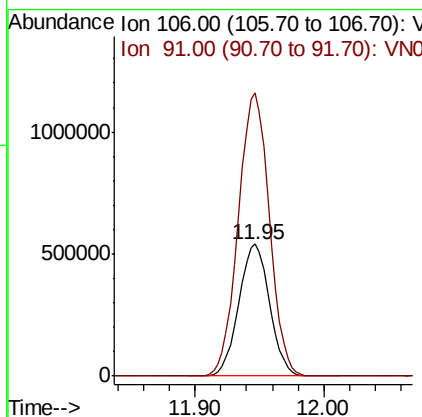
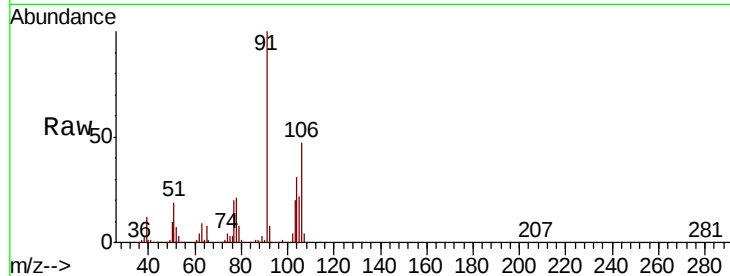
#69  
o-Xylene  
Concen: 157.698 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tot Ion:106 Resp: 898097  
Ion Ratio Lower Upper  
106 100  
91 216.7 106.7 319.9

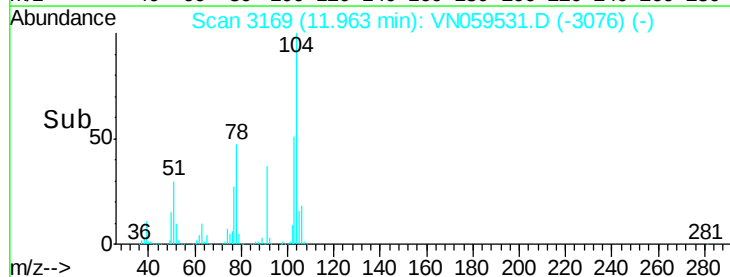
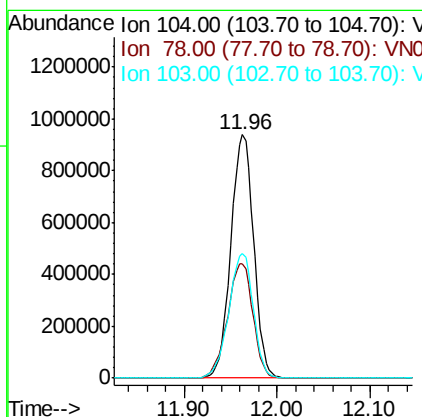
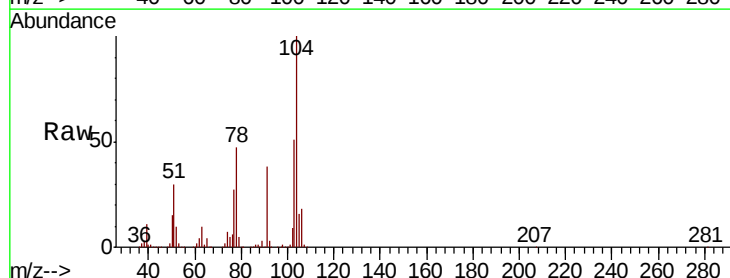
Manual Integrations  
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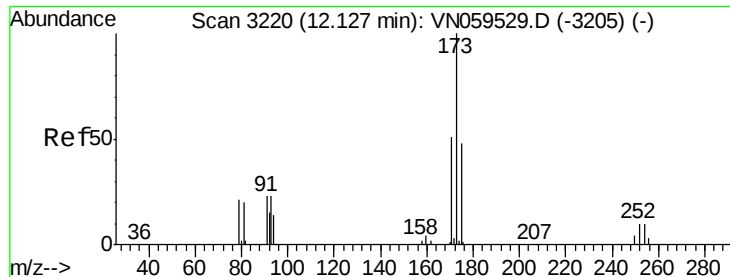
apatel  
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#70  
Styrene  
Concen: 176.210 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Tgt Ion:104 Resp: 1607349  
Ion Ratio Lower Upper  
104 100  
78 52.3 40.6 60.8  
103 55.1 43.9 65.9





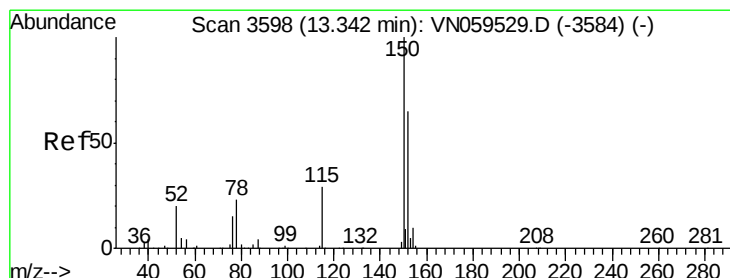
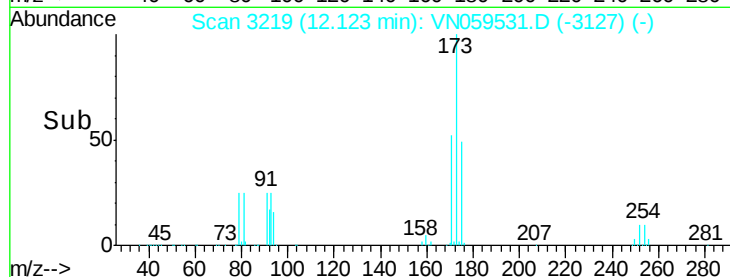
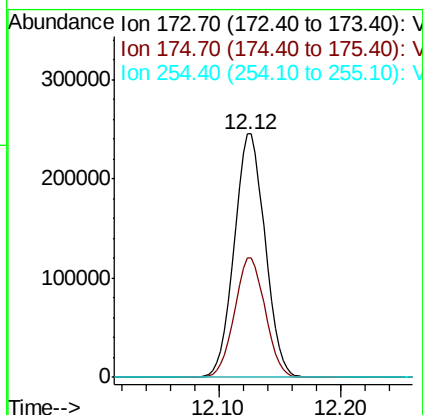
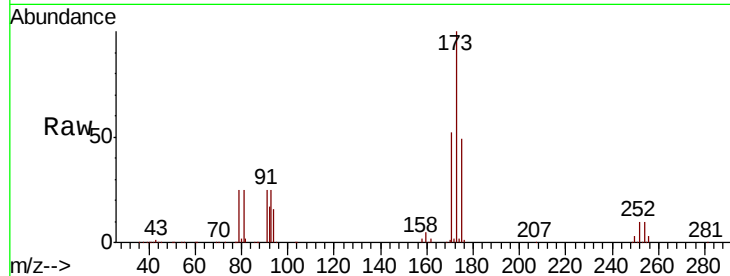
#71  
Bromoform  
Concen: 165.659 ug/l  
RT: 12.12 min Scan# 3219  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.8  | 24.1  | 72.4  |
| 254     | 0.1   | 0.0   | 0.0#  |

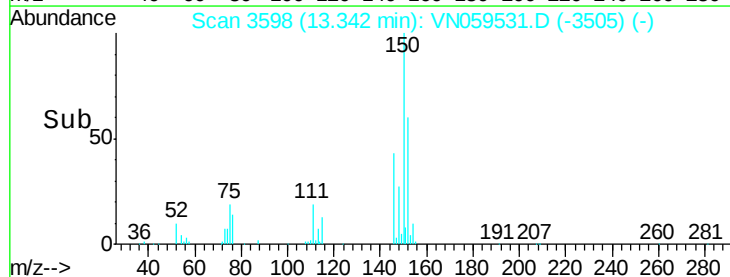
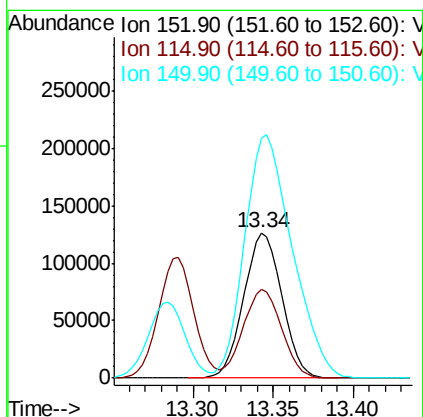
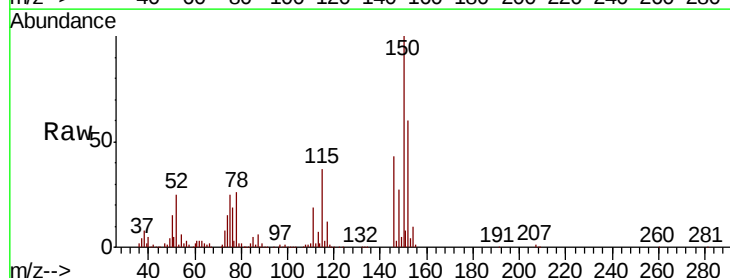
Manual Integrations  
APPROVED

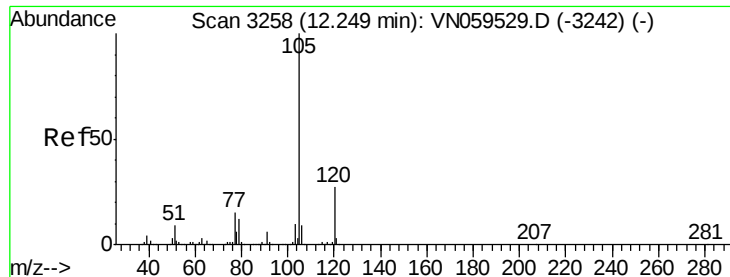
apatel  
12/10/2019 5:10:49 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.2  | 29.4  | 88.2  |
| 150     | 209.5 | 0.0   | 342.4 |





#73

Isopropylbenzene

Concen: 150.151 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2366470

Ion Ratio Lower Upper

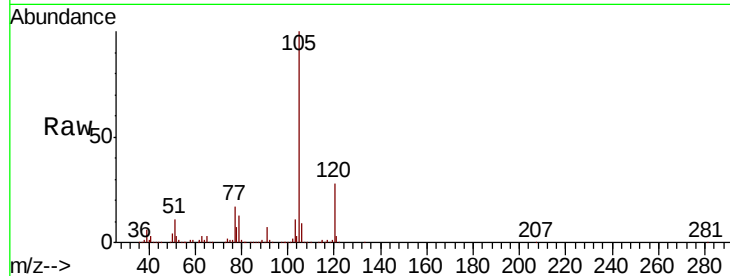
105 100

120 27.0 13.2 39.5

Manual Integrations  
APPROVED

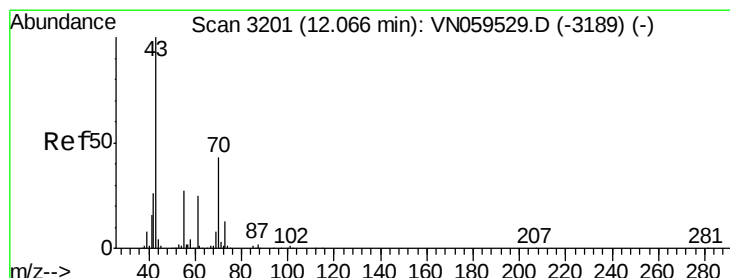
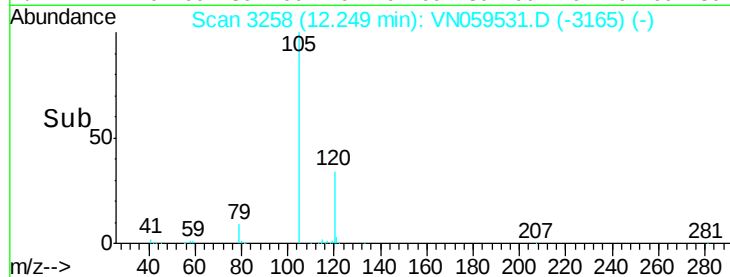
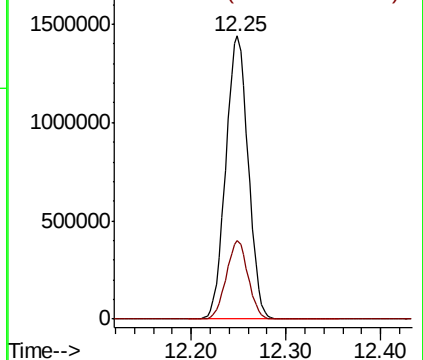
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 182.814 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Tgt Ion: 43 Resp: 1176400

Ion Ratio Lower Upper

43 100

70 39.6 34.2 51.4

55 23.6 21.3 31.9

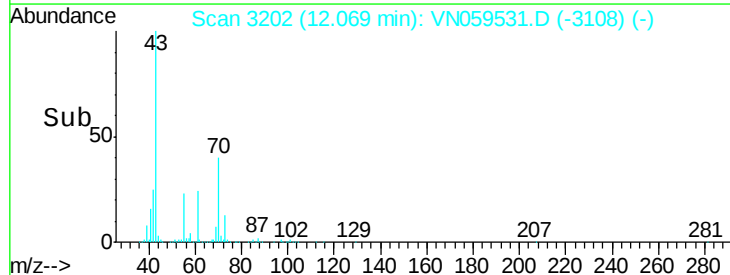
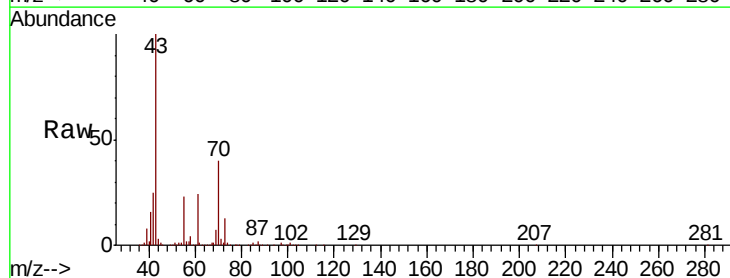
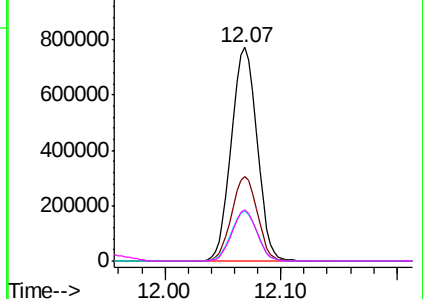
61 23.3 19.8 29.8

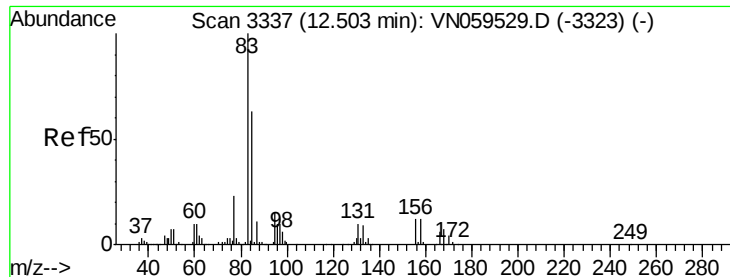
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 150.828 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 771662  
Ion Ratio Lower Upper

83 100

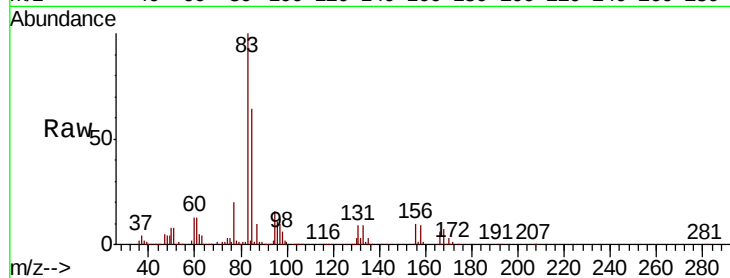
131 9.7 5.0 14.9

85 64.0 31.6 95.0

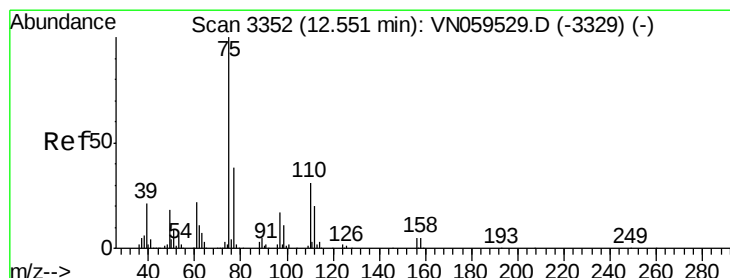
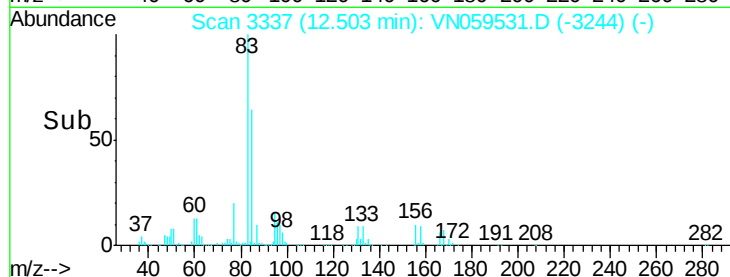
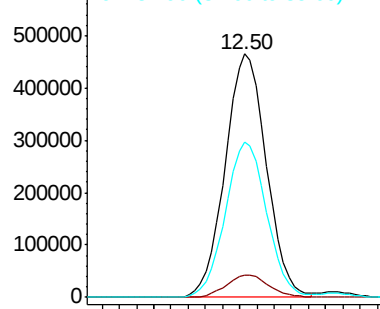
Manual Integrations  
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 149.155 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

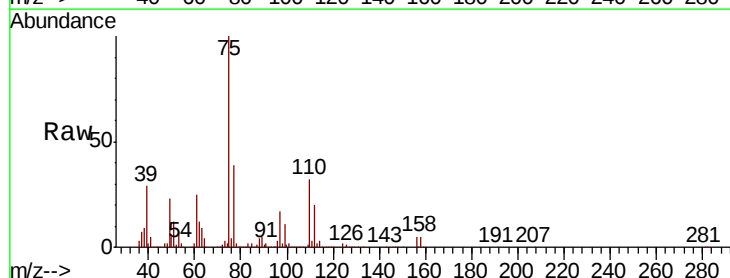
Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

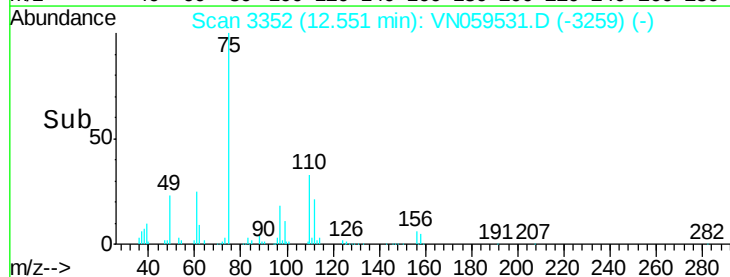
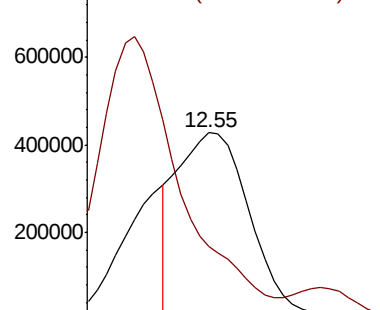
Tgt Ion: 75 Resp: 753506  
Ion Ratio Lower Upper

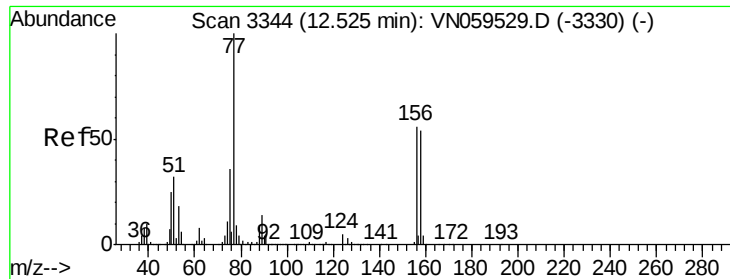
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO





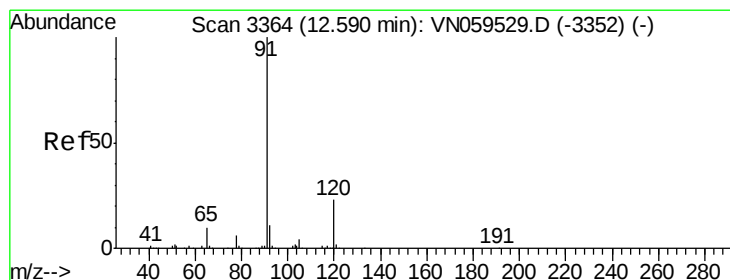
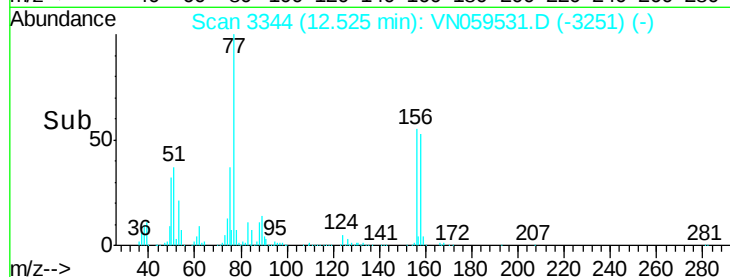
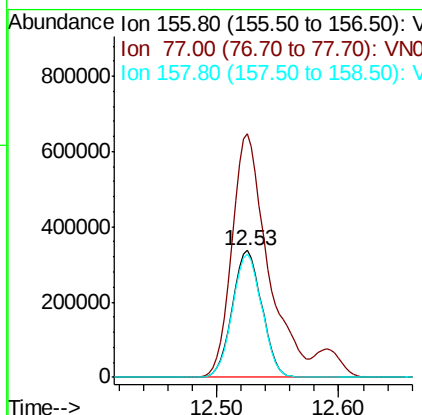
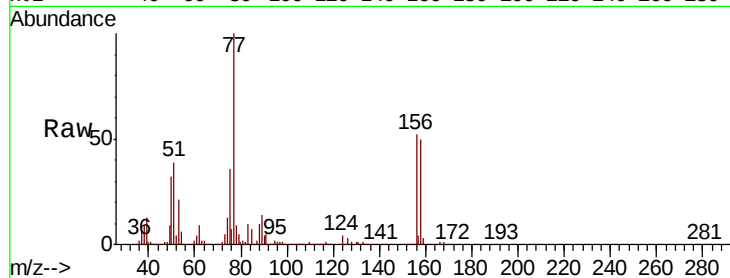
#77  
Bromobenzene  
Concen: 142.338 ug/l  
RT: 12.53 min Scan# 3344  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 232.0 | 109.3 | 327.8 |       |
| 158     | 96.7  | 48.6  | 145.8 |       |

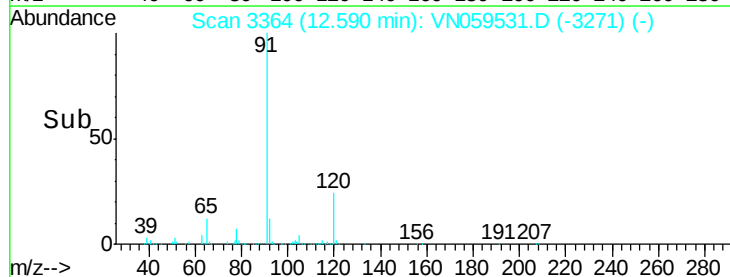
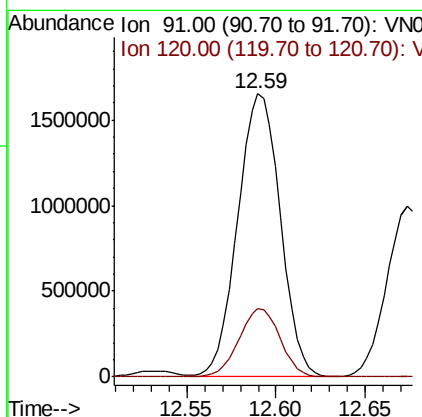
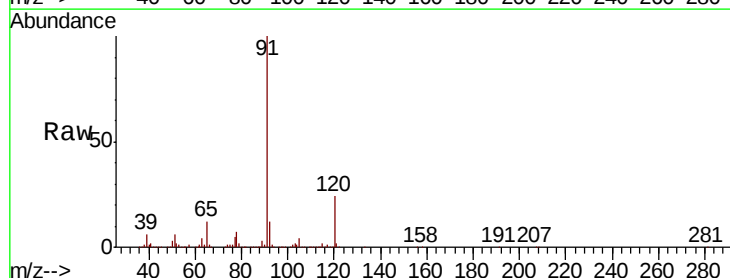
Manual Integrations  
APPROVED

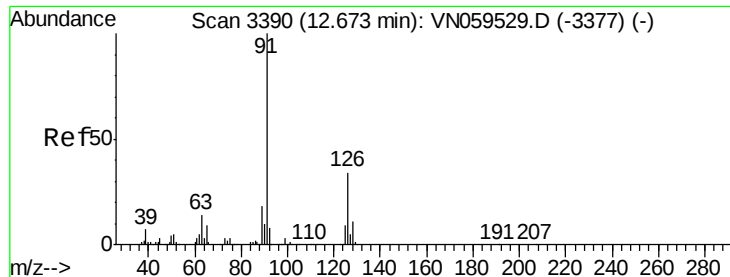
apatel  
12/10/2019 5:10:49 PM



#78  
n-propylbenzene  
Concen: 148.627 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 23.3 | 11.4  | 34.1  |       |





#79

2-Chlorotoluene

Concen: 147.725 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1652242

Ion Ratio Lower Upper

91 100

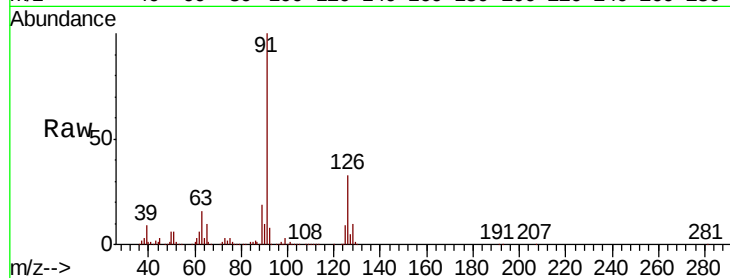
126 32.7 16.9 50.7

Manual Integrations

APPROVED

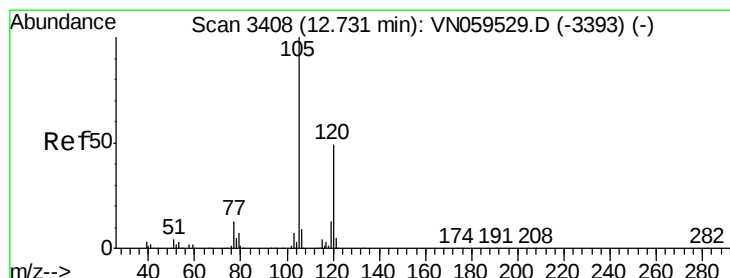
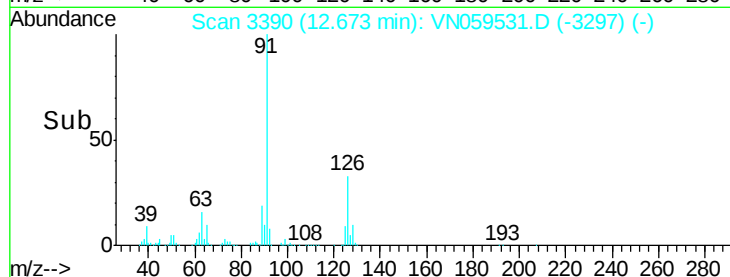
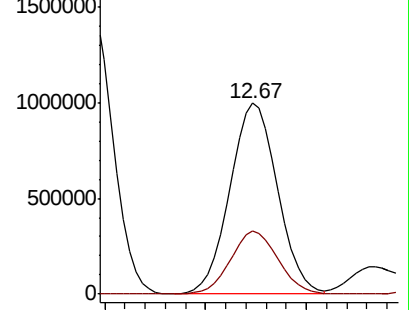
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 149.769 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059531.D

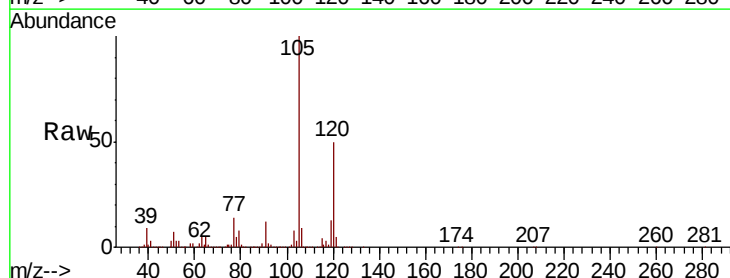
Acq: 9 Dec 2019 16:35

Tgt Ion:105 Resp: 1997837

Ion Ratio Lower Upper

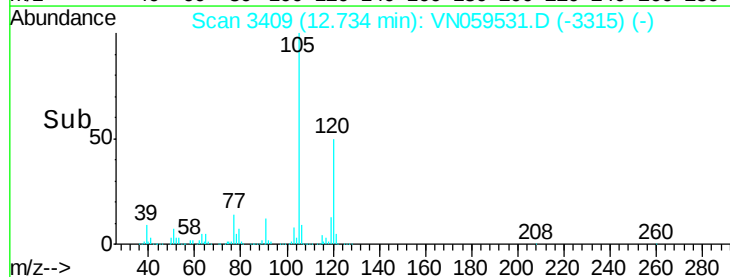
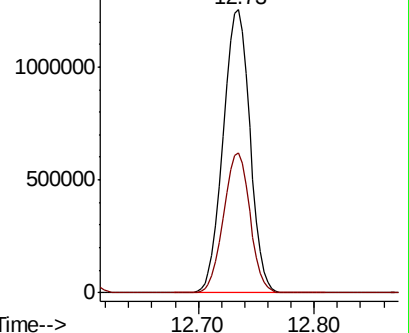
105 100

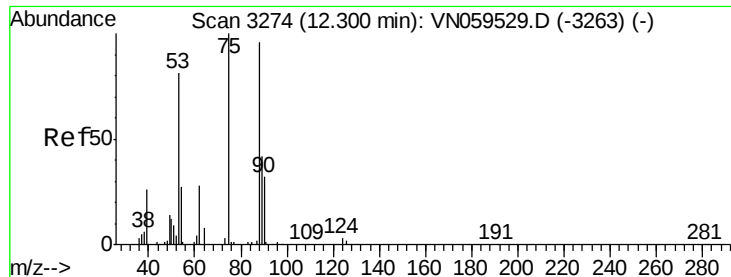
120 48.8 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059529.D (-3393) (-)





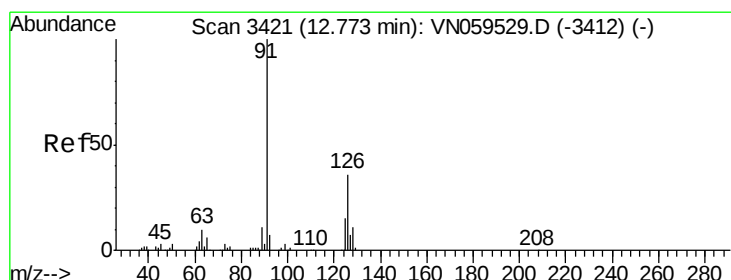
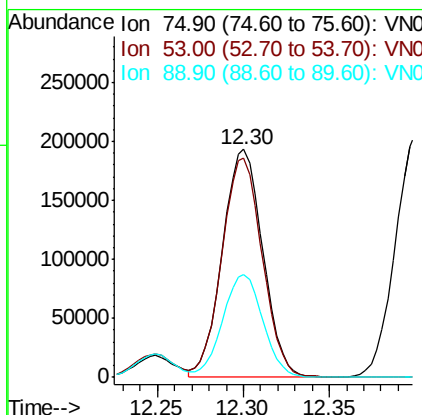
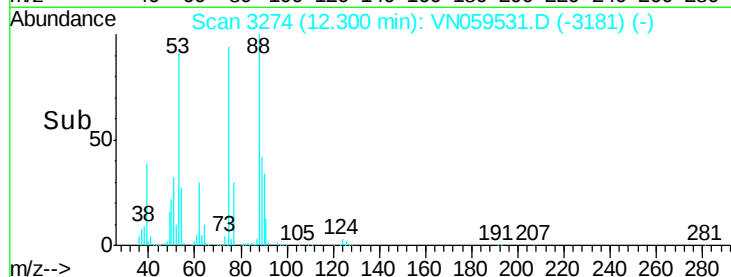
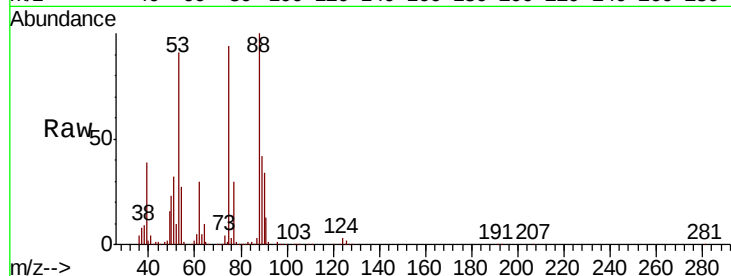
#81  
trans-1,4-Dichloro-2-butene  
Concen: 168.720 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.7  | 67.0  | 100.6 |
| 89      | 45.2  | 35.5  | 53.3  |

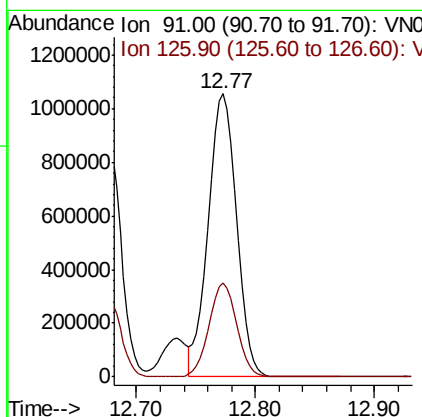
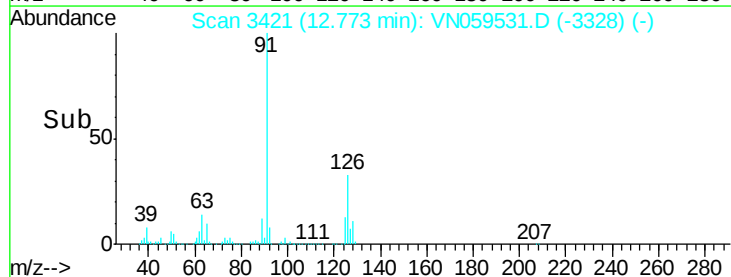
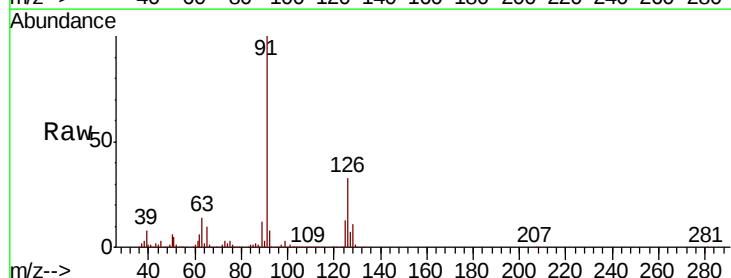
Manual Integrations  
APPROVED

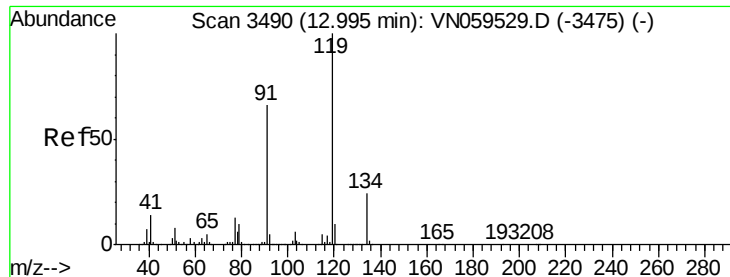
apatel  
12/10/2019 5:10:49 PM



#82  
4-Chlorotoluene  
Concen: 150.196 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.4  | 16.4  | 49.4  |





#83

tert-Butylbenzene

Concen: 148.430 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1716969

Ion Ratio Lower Upper

119 100

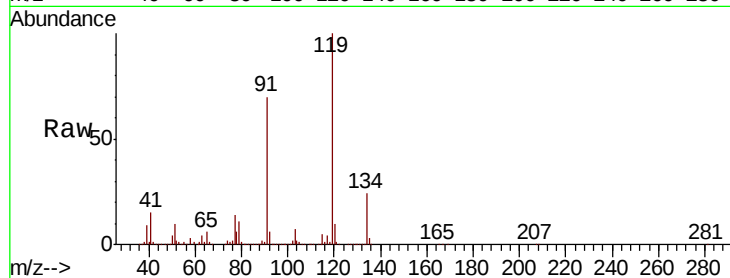
91 67.5 32.8 98.4

134 25.1 12.8 38.3

Manual Integrations  
APPROVED

apatel

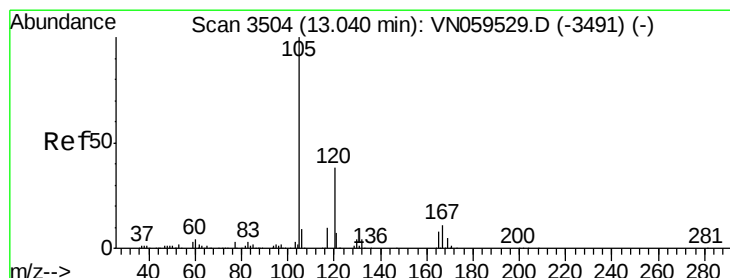
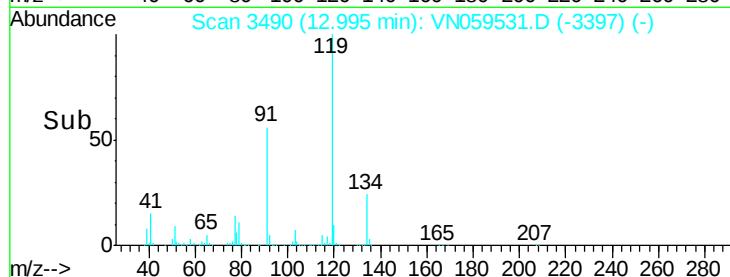
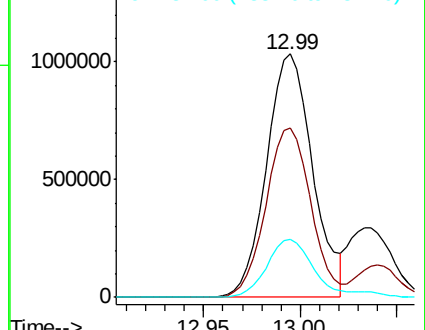
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 154.003 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059531.D

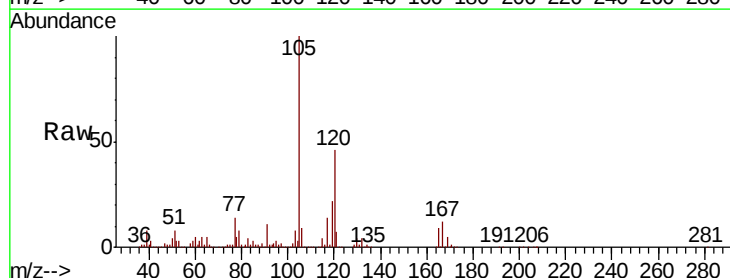
Acq: 9 Dec 2019 16:35

Tgt Ion:105 Resp: 2012855

Ion Ratio Lower Upper

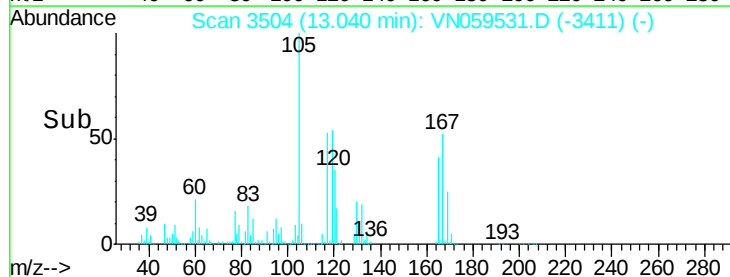
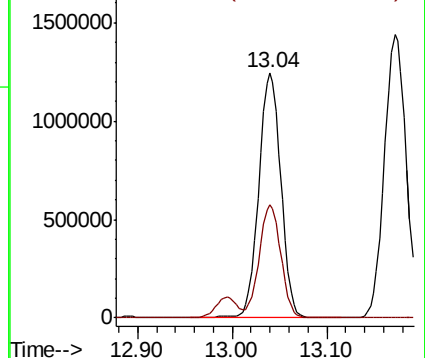
105 100

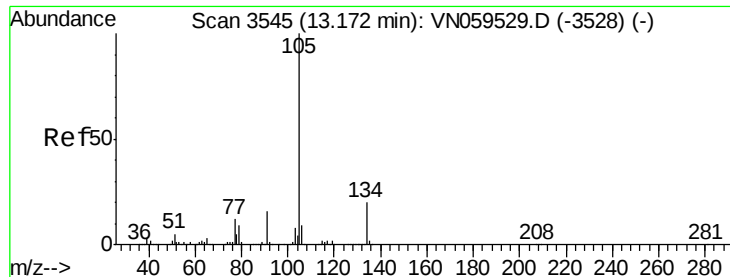
120 45.5 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 149.583 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2299623

Ion Ratio Lower Upper

105 100

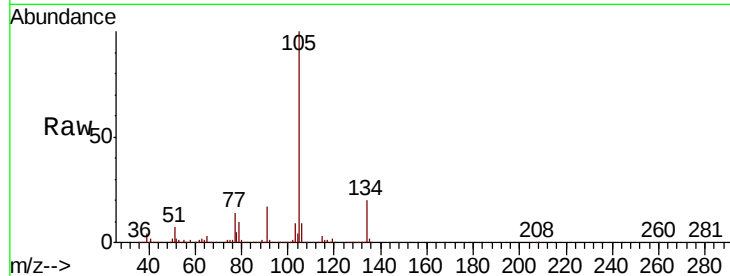
134 20.2 9.8 29.5

Manual Integrations

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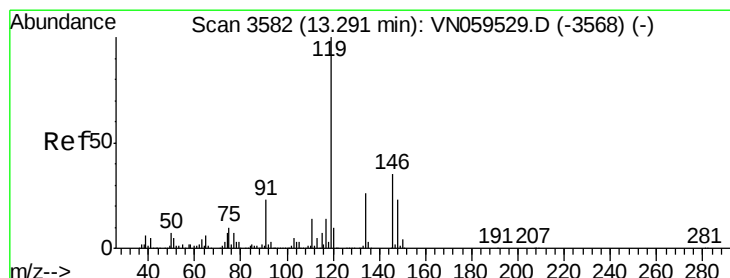
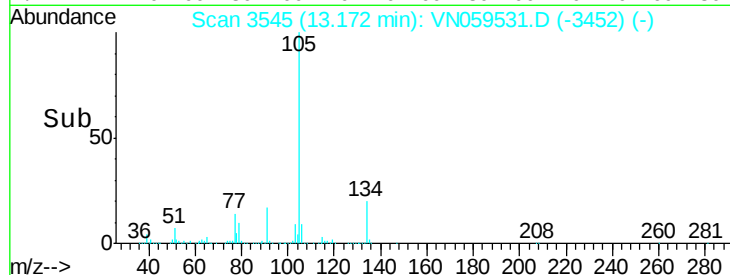
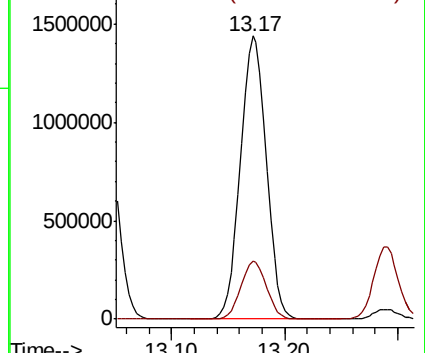
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 152.738 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

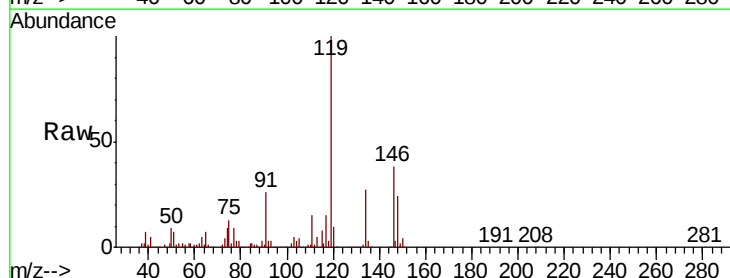
Tgt Ion:119 Resp: 2111402

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

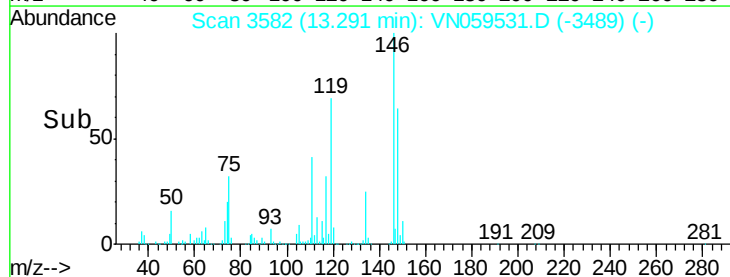
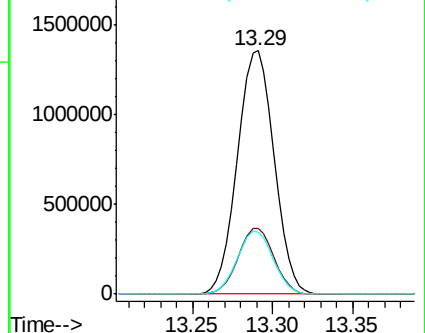
91 25.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





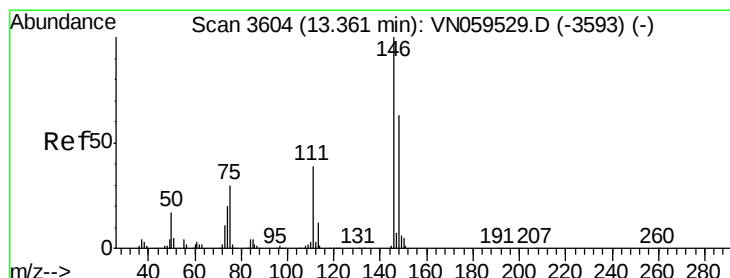
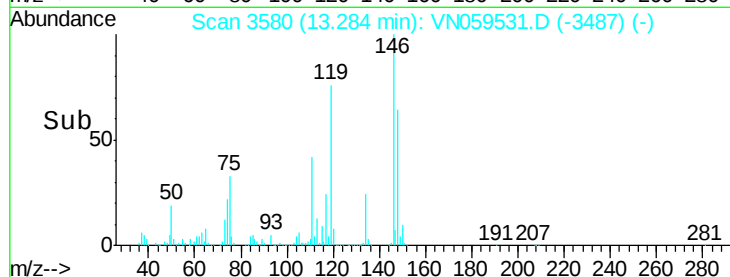
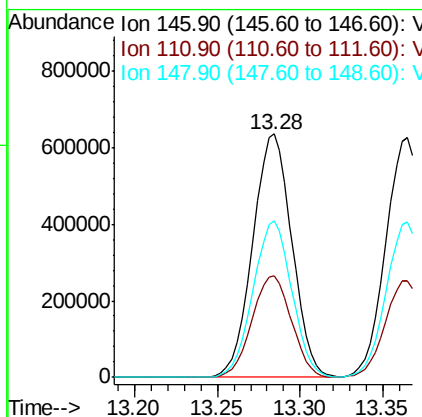
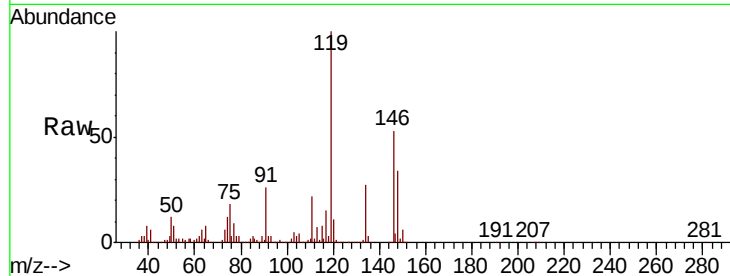
#87  
 1,3-Dichlorobenzene  
 Concen: 146.883 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 20.6  | 61.8  |
| 148     | 63.9  | 32.0  | 96.0  |

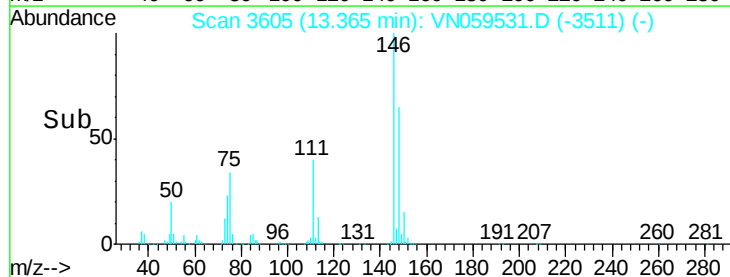
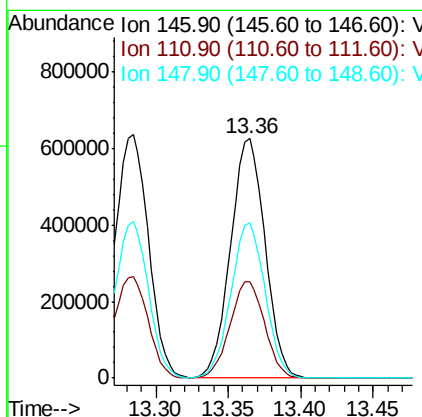
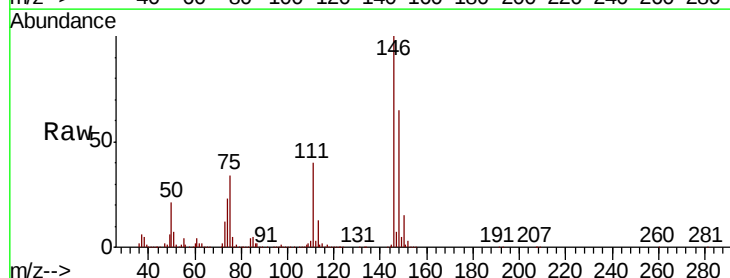
Manual Integrations  
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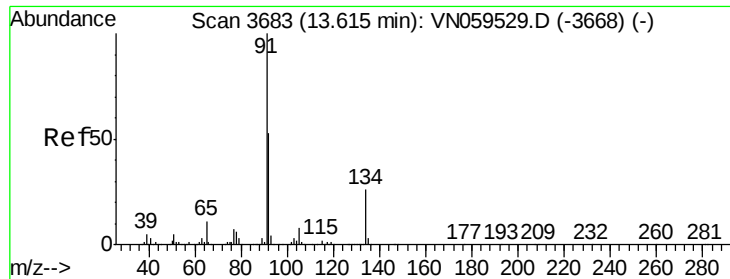
apatel  
 12/10/2019 5:10:49 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 143.928 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN059531.D  
 Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 20.0  | 59.9  |
| 148     | 64.2  | 31.9  | 95.7  |





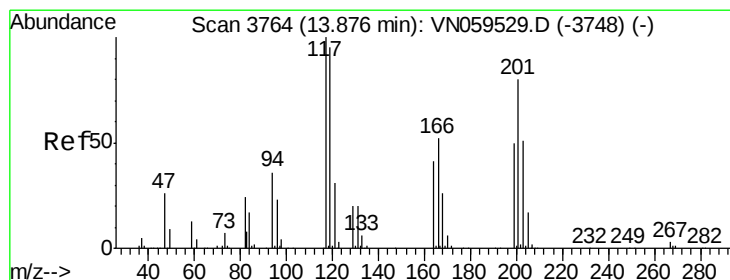
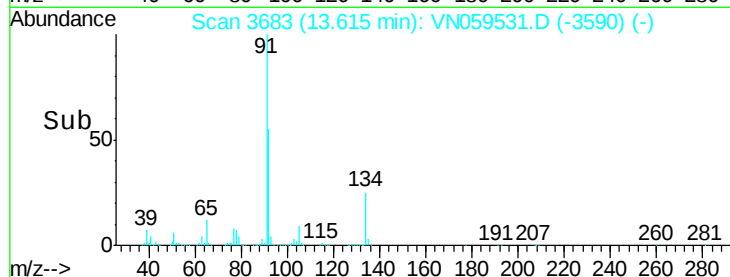
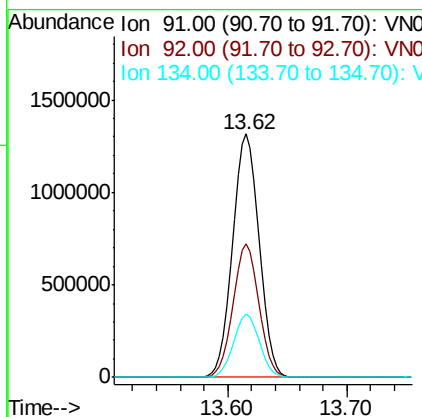
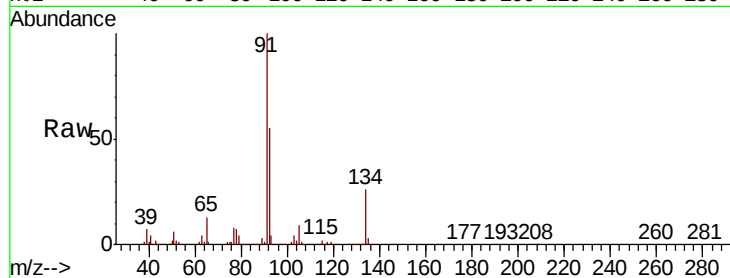
#89  
n-Butylbenzene  
Concen: 163.579 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 2031806  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.3 78.9  
134 25.4 12.8 38.4

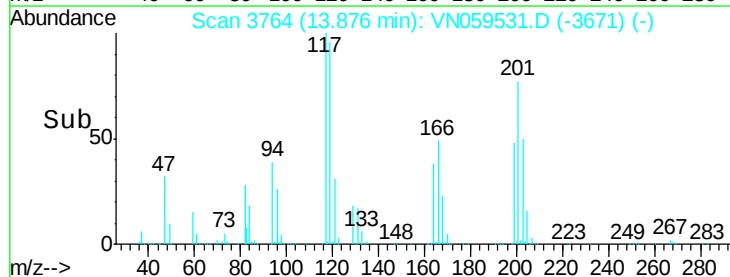
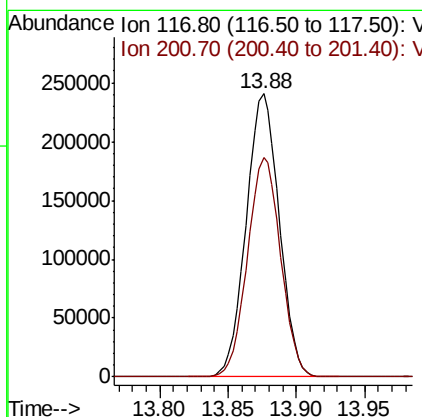
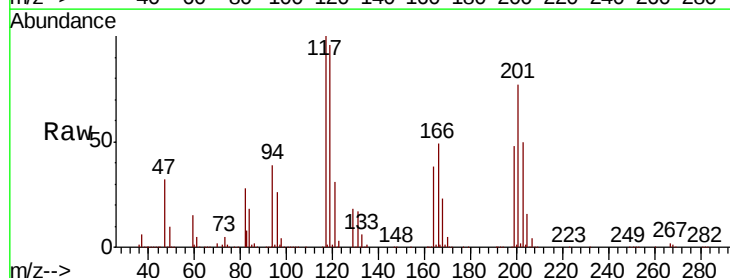
Manual Integrations  
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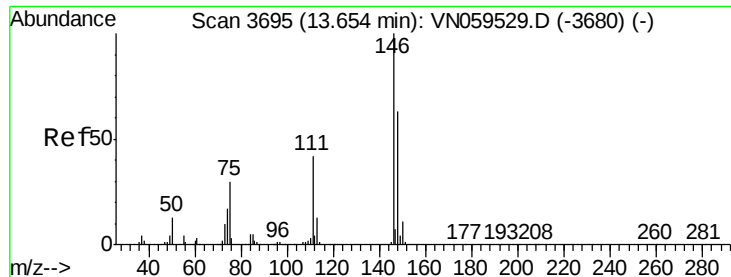
apatel  
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#90  
Hexachloroethane  
Concen: 152.500 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Tgt Ion: 117 Resp: 406220  
Ion Ratio Lower Upper  
117 100  
201 77.5 40.5 121.5





#91

1,2-Dichlorobenzene

Concen: 147.646 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

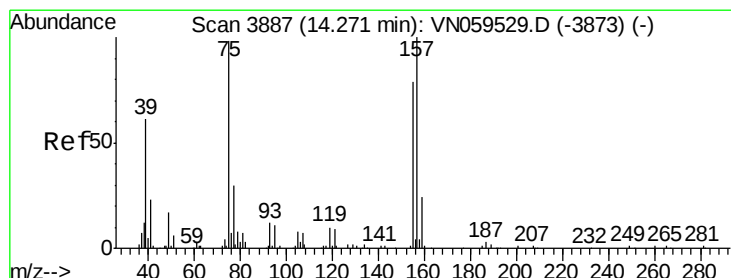
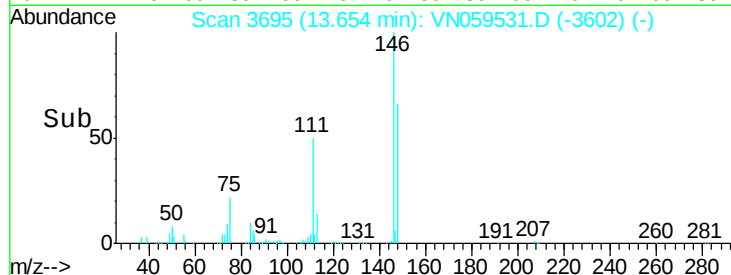
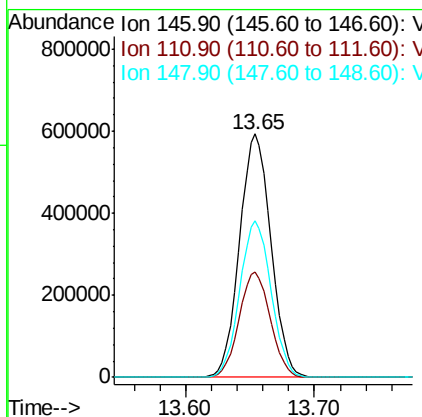
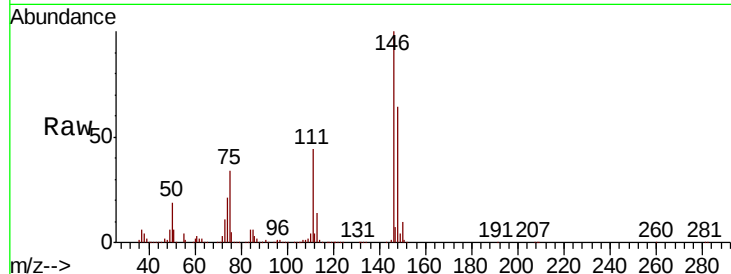
ClientSampleId :

VSTDIC150

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 146   | Resp: | 1003890 |
| Ion      | Ratio | Lower | Upper   |
| 146      | 100   |       |         |
| 111      | 43.3  | 20.9  | 62.7    |
| 148      | 64.3  | 31.6  | 94.8    |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 151.697 ug/l

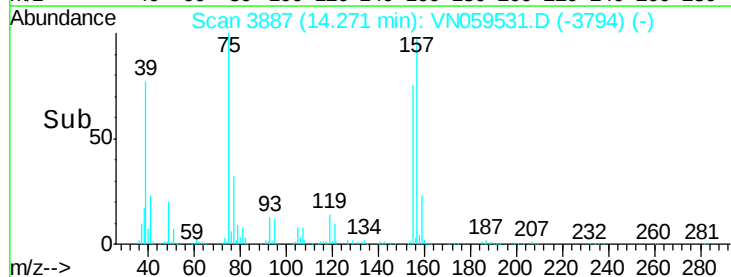
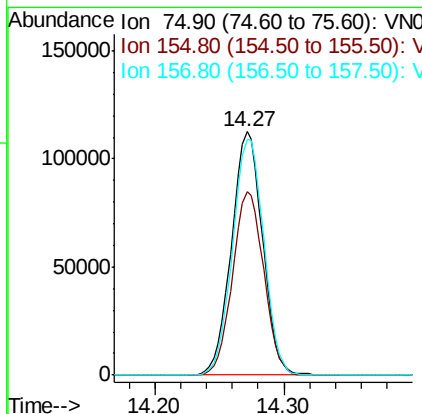
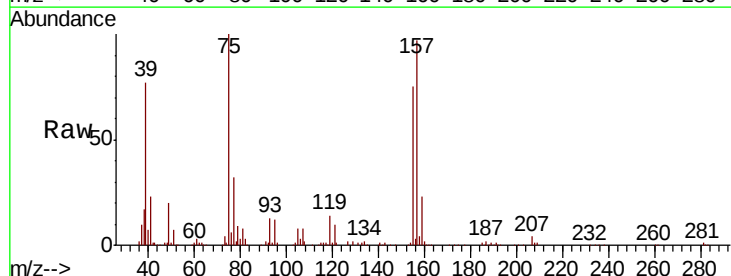
RT: 14.27 min Scan# 3887

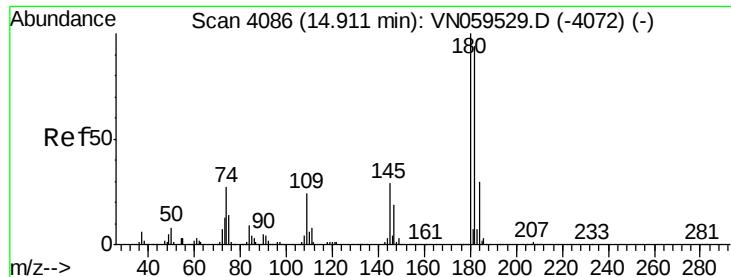
Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 187301 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 76.1  | 40.4  | 121.1  |
| 157      | 98.2  | 51.1  | 153.3  |





#93

1,2,4-Trichlorobenzene

Concen: 167.477 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

Instrument :

MSVOA\_N

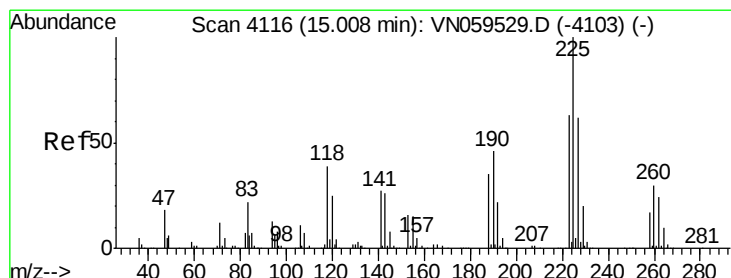
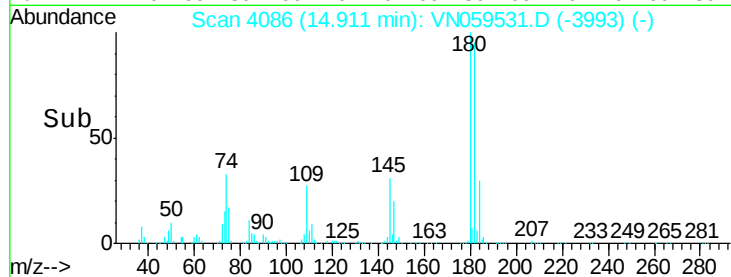
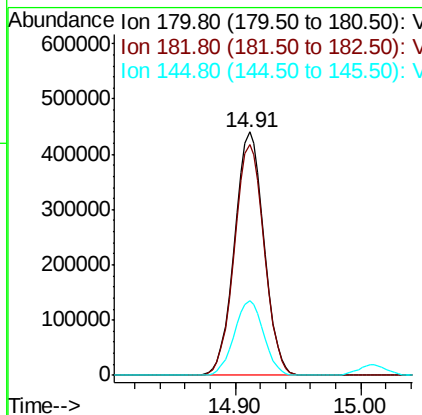
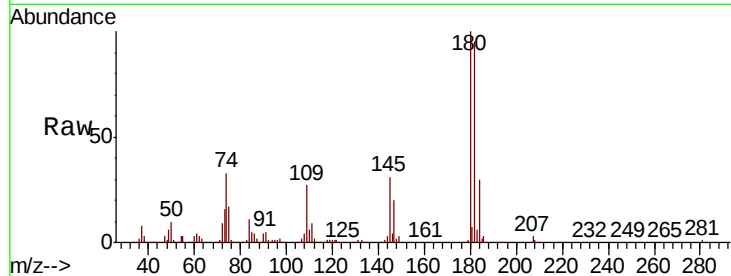
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 716184 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 47.3  | 142.0  |
| 145       | 30.9  | 14.9  | 44.7   |

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#94

Hexachlorobutadiene

Concen: 128.809 ug/l

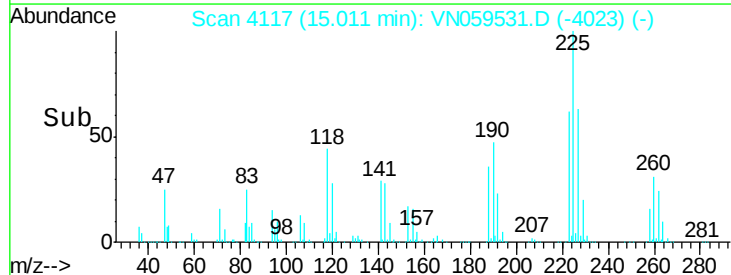
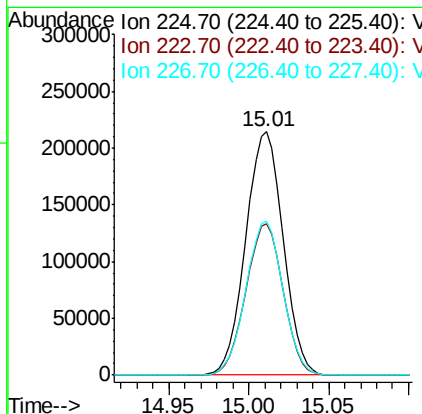
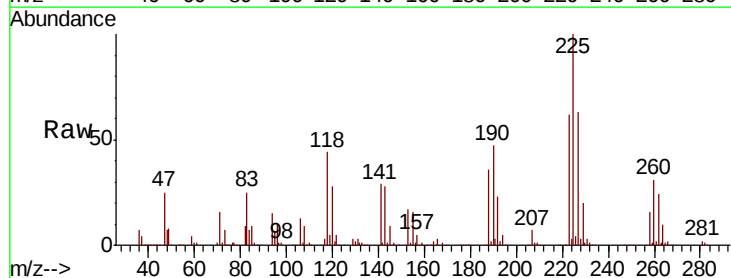
RT: 15.01 min Scan# 4117

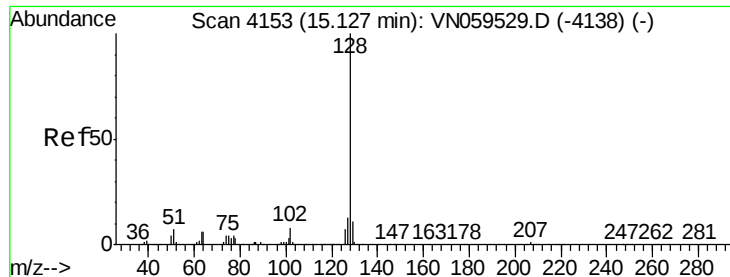
Delta R.T. 0.00 min

Lab File: VN059531.D

Acq: 9 Dec 2019 16:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 342914 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 61.9  | 31.3  | 93.9   |
| 227       | 62.7  | 31.6  | 95.0   |





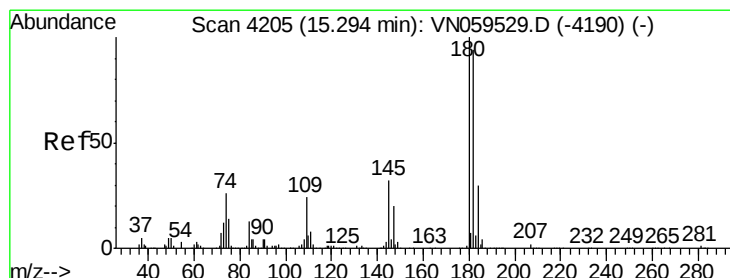
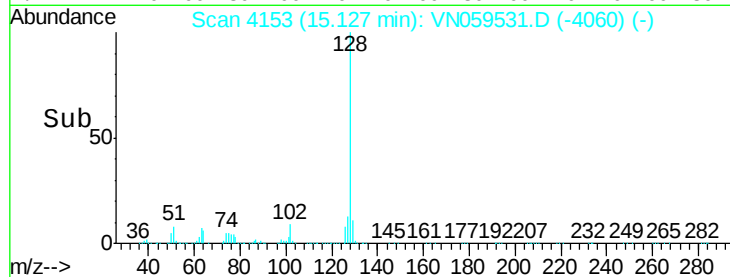
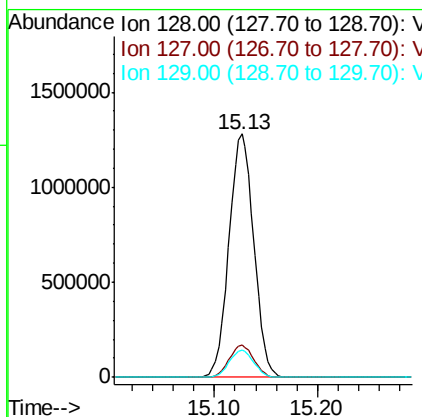
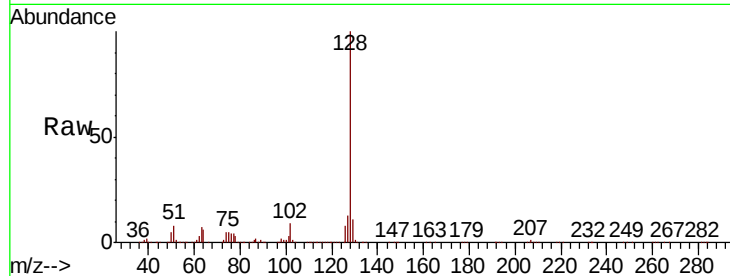
#95  
Naphthalene  
Concen: 170.991 ug/l  
RT: 15.13 min Scan# 4153  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.2  | 15.4  |
| 129     | 11.0  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 152.668 ug/l  
RT: 15.29 min Scan# 4205  
Delta R.T. -0.00 min  
Lab File: VN059531.D  
Acq: 9 Dec 2019 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 47.1  | 141.4 |
| 145     | 32.4  | 15.8  | 47.4  |

