

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\  
 Data File : VN059354.D  
 Acq On : 22 Nov 2019 11:23  
 Operator : JC/SP  
 Sample : VN1122MBS01  
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/26/2019 2:43:14 PM

Quant Time: Nov 22 13:55:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 15:26:33 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 321200   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 501004   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 450470   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 205031   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 176036   | 45.68 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.36% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 141940   | 47.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.44% |      |
| 50) Toluene-d8            | 10.08  | 98  | 569062   | 47.62 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.24% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 198040   | 47.40 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.80% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 93171   | 22.658  | ug/l | 99     |
| 3) Chloromethane              | 2.04 | 50  | 111782  | 22.190  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.17 | 62  | 116815  | 22.523  | ug/l | 99     |
| 5) Bromomethane               | 2.55 | 94  | 64057   | 22.467  | ug/l | 98     |
| 6) Chloroethane               | 2.69 | 64  | 60154   | 21.251  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 120708  | 21.612  | ug/l | 100    |
| 8) Diethyl Ether              | 3.39 | 74  | 51766   | 22.671  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 76941   | 22.529  | ug/l | 98     |
| 10) Methyl Iodide             | 3.93 | 142 | 97187   | 22.897  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.74 | 59  | 80358   | 104.145 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 74852   | 21.592  | ug/l | 97     |
| 13) Acrolein                  | 3.58 | 56  | 35088   | 49.816  | ug/l | 99     |
| 14) Allyl chloride            | 4.29 | 41  | 143918  | 22.223  | ug/l | 98     |
| 15) Acrylonitrile             | 4.95 | 53  | 220719  | 108.189 | ug/l | 100    |
| 16) Acetone                   | 3.79 | 43  | 245931  | 142.321 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.03 | 76  | 238516  | 22.032  | ug/l | 100    |
| 18) Methyl Acetate            | 4.29 | 43  | 128096  | 22.337  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 256819  | 22.937  | ug/l | 100    |
| 20) Methylene Chloride        | 4.52 | 84  | 86967   | 22.315  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 82313   | 22.404  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.92 | 45  | 277841  | 22.786  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.86 | 43  | 1061770 | 110.734 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 156096  | 22.744  | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 310344  | 115.497 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 133213  | 22.416  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 92283   | 22.262  | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 42528   | 16.848  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 197168  | 106.119 | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 145529  | 21.773  | ug/l | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 147179  | 21.689  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 125644  | 21.957  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 118120  | 22.838  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.90 | 43  | 118227  | 21.269  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 110632  | 22.344  | ug/l | 100    |

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 Sample : VN1122MBS01  
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1122MBS01

Manual Integrations  
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 11/26/2019 2:43:14 PM

Quant Time: Nov 22 13:55:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 15:26:33 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 140987   | 22.606  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 349957   | 23.054  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 51360m   | 19.884  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 113427   | 22.593  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 187510   | 22.073  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 87460    | 22.733  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 93348    | 23.061  | ug/l   | 100      |
| 46) Dibromomethane             | 9.20  | 93   | 56876    | 22.907  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 113042   | 22.733  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 82872    | 21.452  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 27506    | 470.283 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 578230   | 116.288 | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 212690   | 23.302  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 132213   | 22.873  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 145545   | 23.204  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 82417    | 23.223  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 123511   | 21.896  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 143895   | 23.264  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 176210   | 95.579  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 430239   | 118.165 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 87213    | 23.321  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 84454    | 22.871  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 81465    | 23.383  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 220424   | 22.757  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 80420    | 22.854  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 397144   | 22.964  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 297143   | 46.239  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 142625   | 23.183  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 222583   | 22.929  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 59931    | 22.489  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 383213   | 22.816  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 141703   | 20.993  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 120081   | 21.613  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 110414m  | 23.310  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 91515    | 22.464  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 440296   | 23.143  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 261518   | 22.394  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 318719   | 22.574  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 42567    | 22.477  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 265164   | 21.943  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 272657   | 22.865  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 315479   | 22.810  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 364698   | 22.755  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 326984   | 22.927  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 160809   | 22.166  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 157603   | 21.956  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 283968   | 22.697  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 58740    | 21.748  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 157141   | 22.387  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 23404    | 19.813  | ug/l   | 98       |

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Sample : VN1122MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

Manual Integrations  
APPROVED

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11/26/2019 2:43:14 PM

Quant Time: Nov 22 13:55:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 15:26:33 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 84662    | 21.191 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 57114    | 22.585 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 211932   | 19.589 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 83353    | 20.614 | ug/l  | 98       |

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

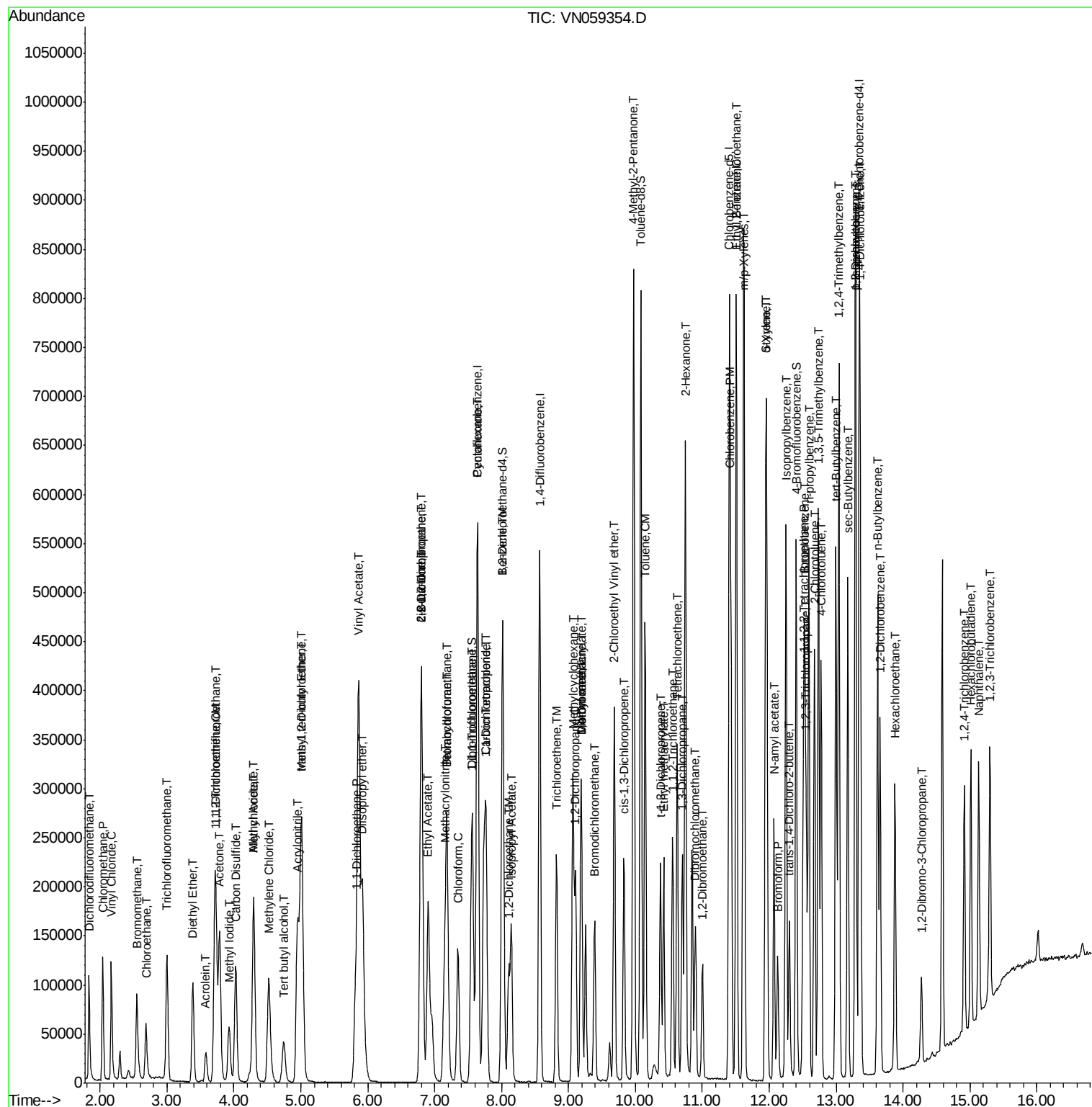
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 Data File : VN059354.D  
 Acq On : 22 Nov 2019 11:23  
 Operator : JC/SP  
 Sample : VN1122MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

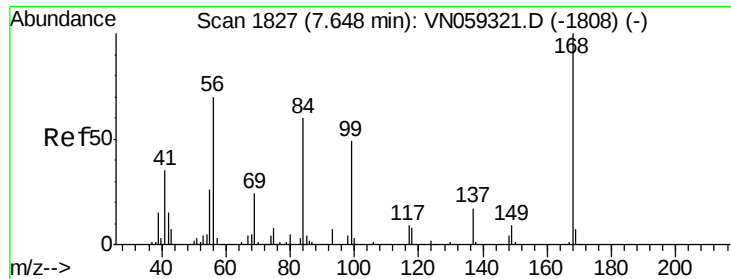
Instrument :  
 MSVOA\_N  
 Client Sample Id :  
 VN1122MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 11/26/2019 2:43:14 PM

Quant Time: Nov 22 13:55:09 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 15:26:33 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: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion:168 Resp: 321200

Ion Ratio Lower Upper

168 100

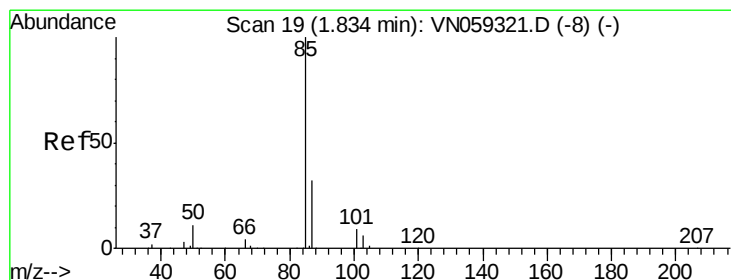
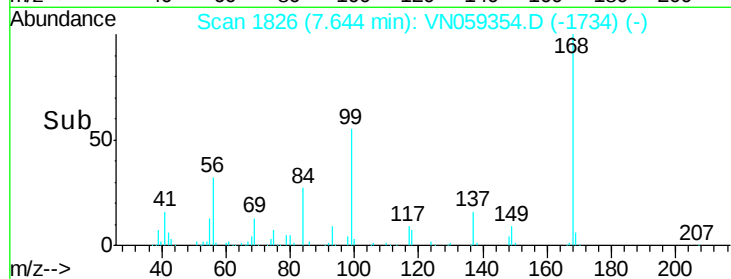
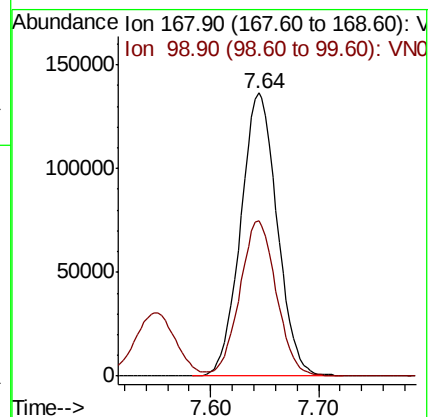
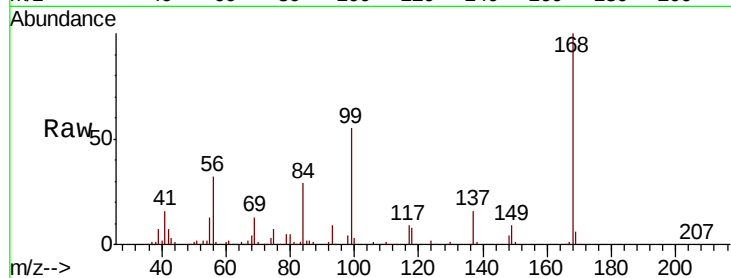
99 54.8 44.6 66.8

Manual Integrations

APPROVED

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11/26/2019 2:43:14 PM



#2

Dichlorodifluoromethane

Concen: 22.658 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059354.D

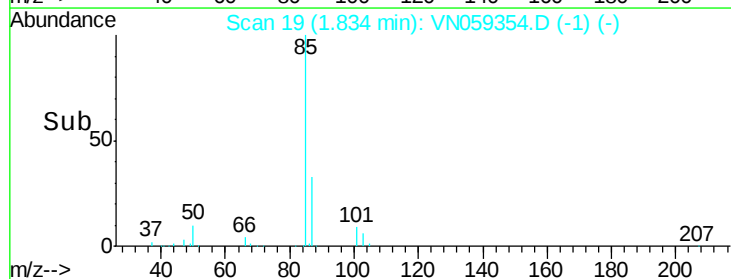
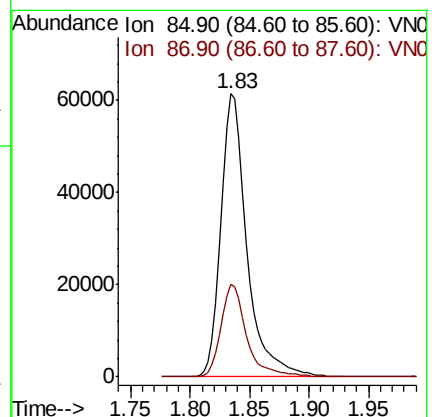
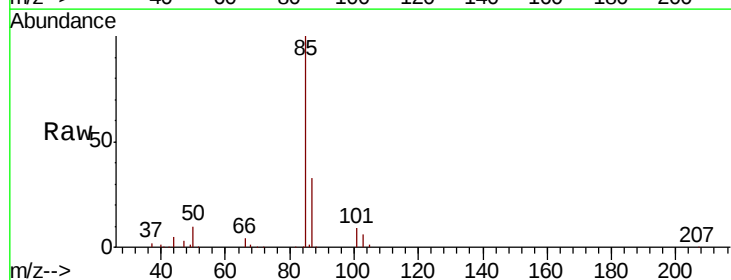
Acq: 22 Nov 2019 11:23

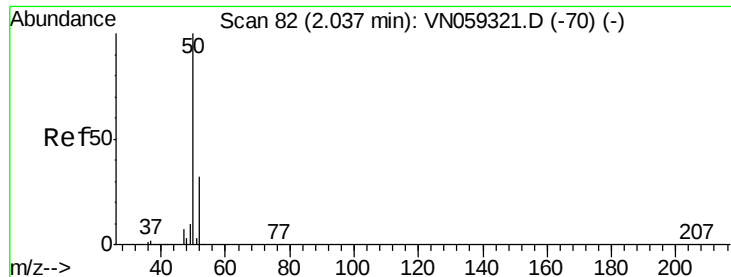
Tgt Ion: 85 Resp: 93171

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0





#3

Chloromethane

Concen: 22.190 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 50 Resp: 111782

Ion Ratio Lower Upper

50 100

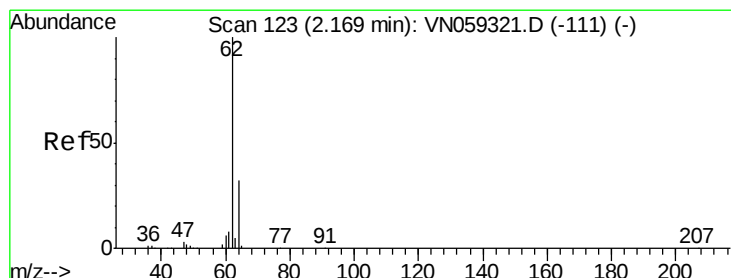
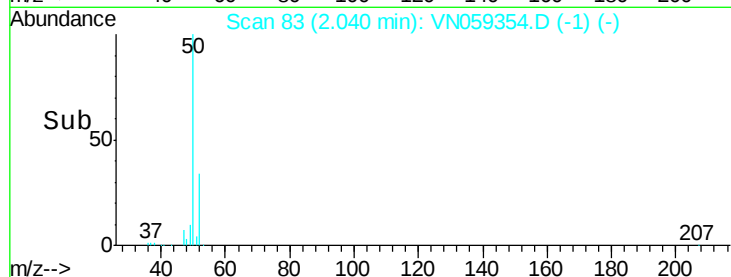
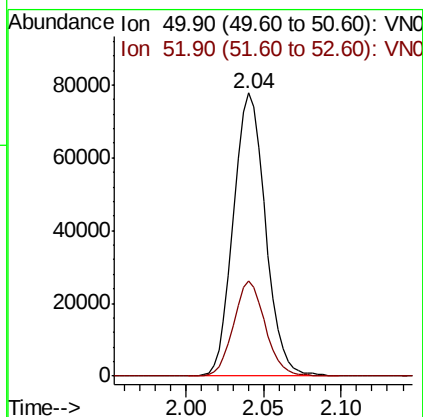
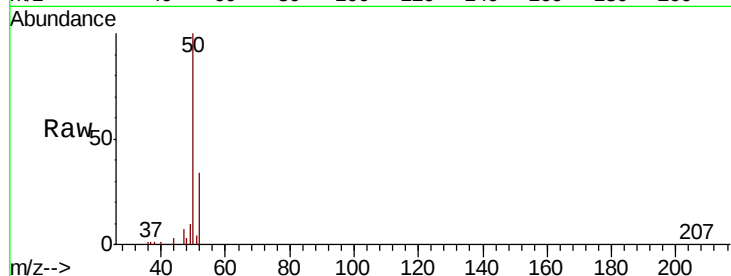
52 33.6 26.0 39.0

Manual Integrations

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11/26/2019 2:43:14 PM



#4

Vinyl Chloride

Concen: 22.523 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059354.D

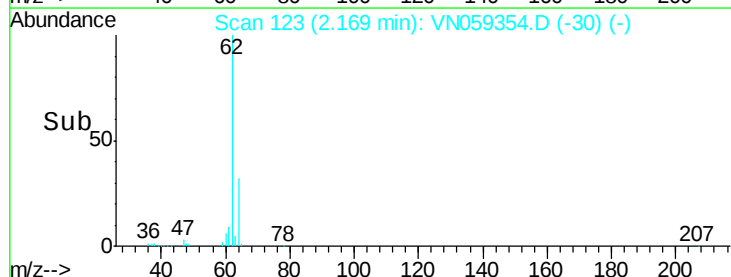
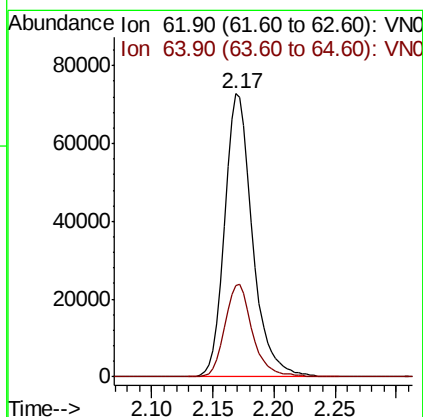
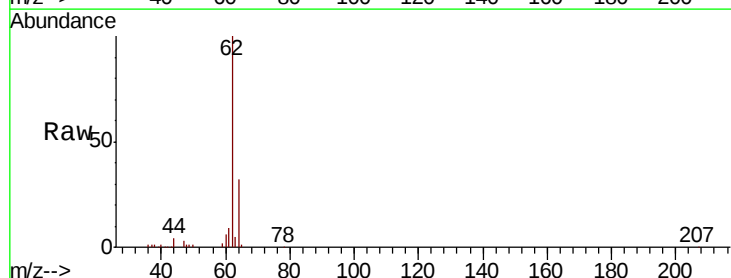
Acq: 22 Nov 2019 11:23

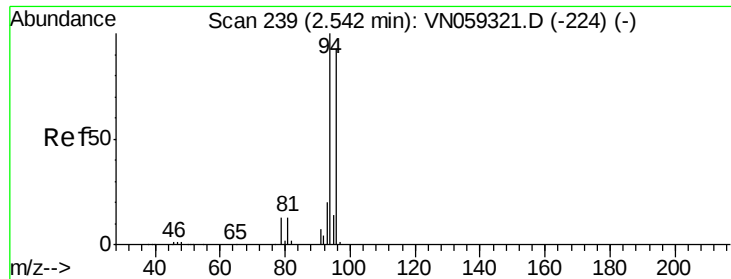
Tgt Ion: 62 Resp: 116815

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 22.467 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 94 Resp: 64057

Ion Ratio Lower Upper

94 100

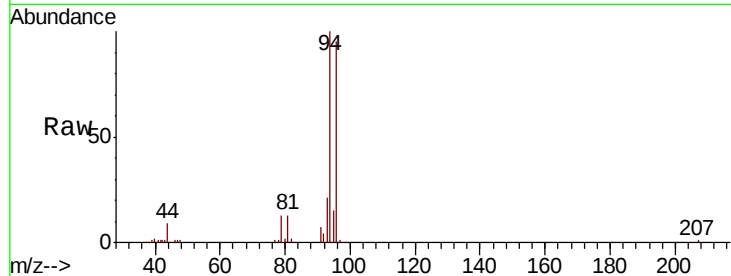
96 95.1 74.5 111.7

Manual Integrations

APPROVED

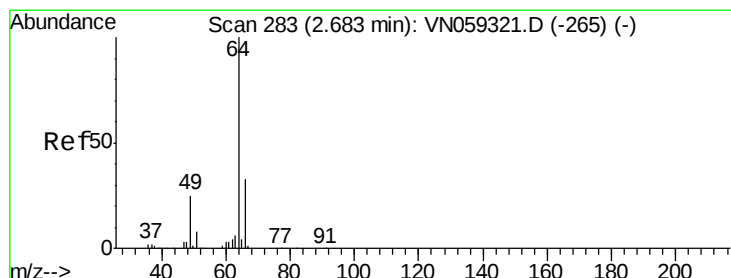
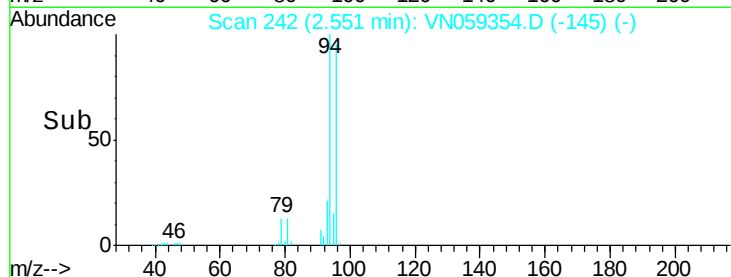
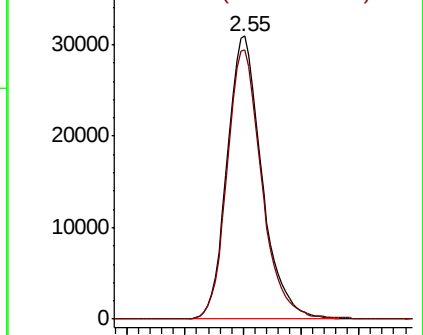
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 21.251 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059354.D

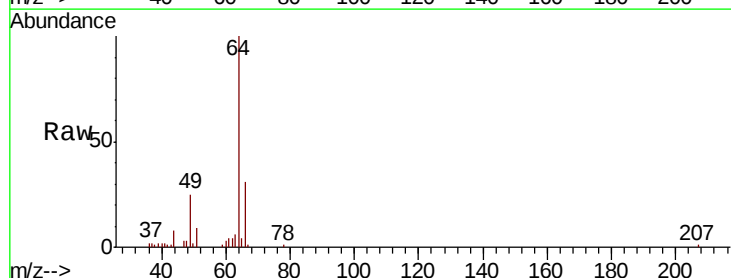
Acq: 22 Nov 2019 11:23

Tgt Ion: 64 Resp: 60154

Ion Ratio Lower Upper

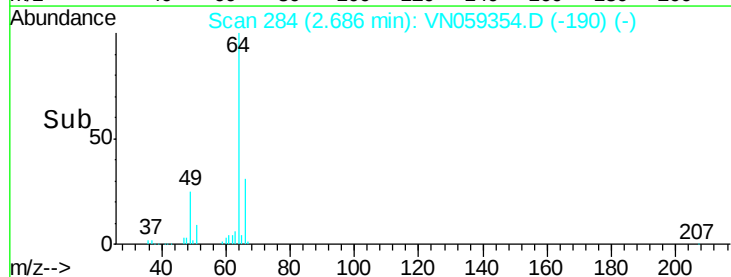
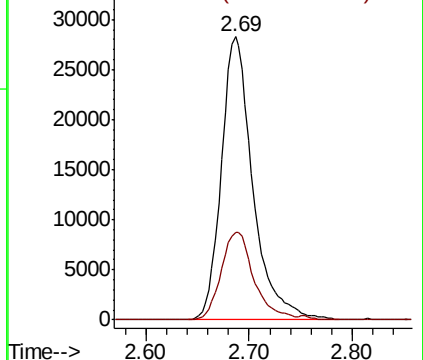
64 100

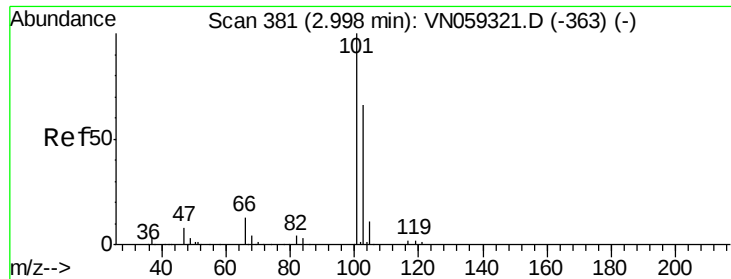
66 30.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

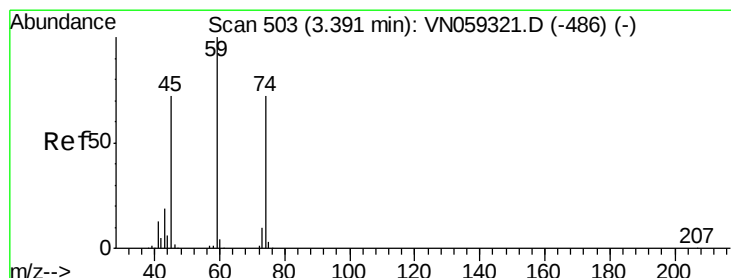
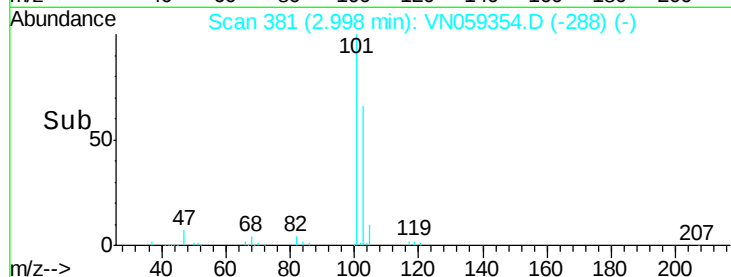
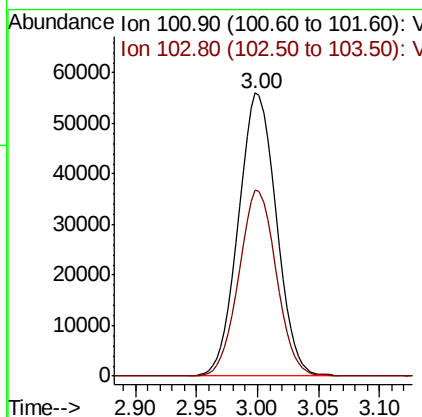
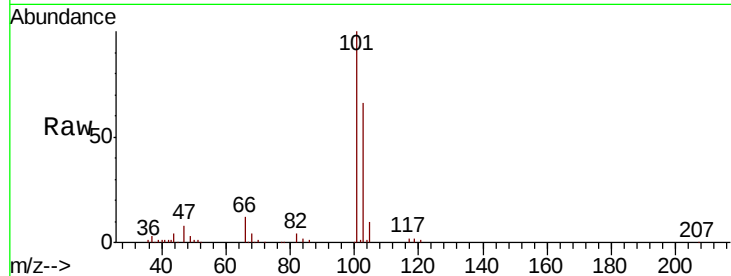
Trichlorofluoromethane  
Concen: 21.612 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.7  | 52.5  | 78.7  |

Manual Integrations  
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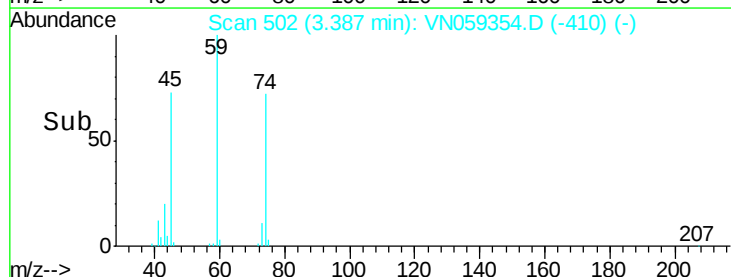
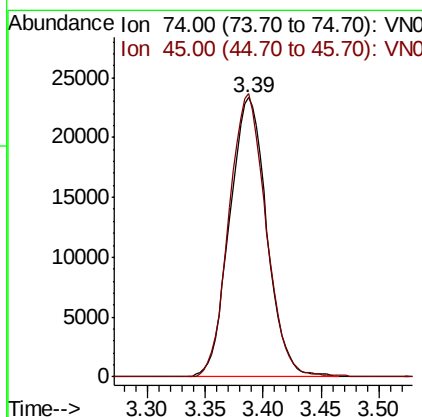
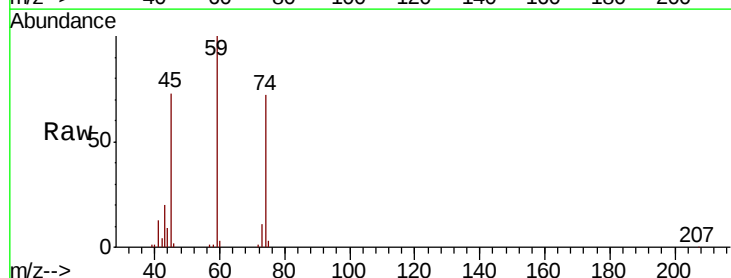
MMDadoda  
11/26/2019 2:43:14 PM

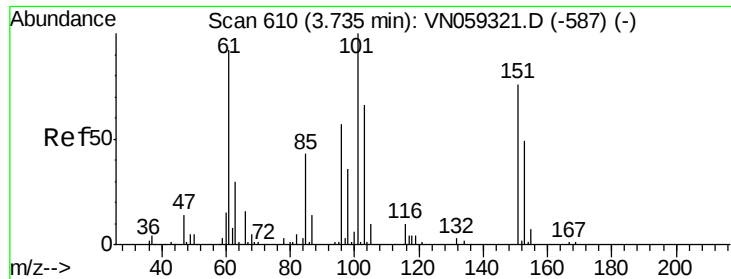


#8

Diethyl Ether  
Concen: 22.671 ug/l  
RT: 3.39 min Scan# 502  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 101.1 | 51.7  | 155.2 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.529 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

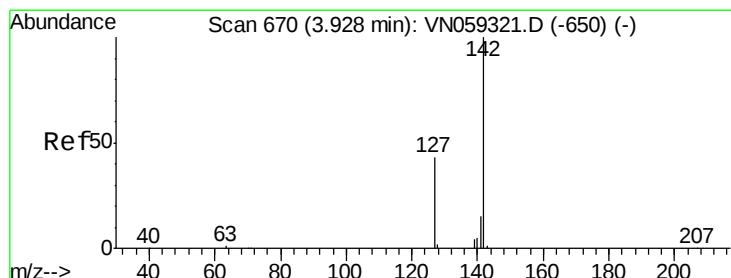
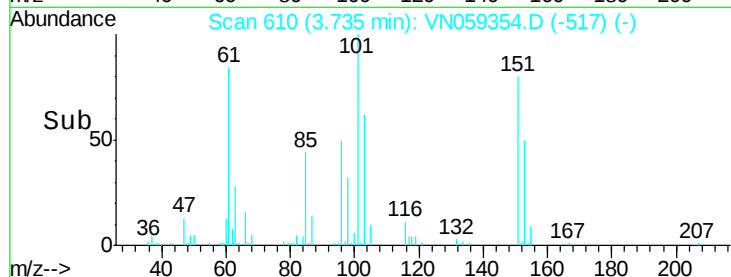
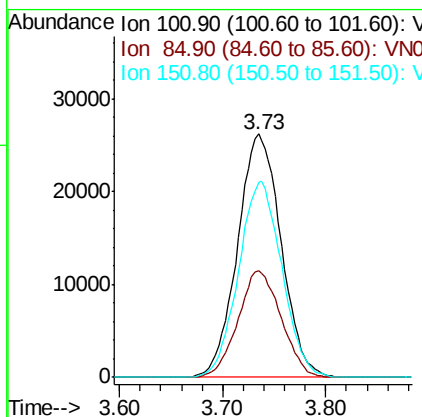
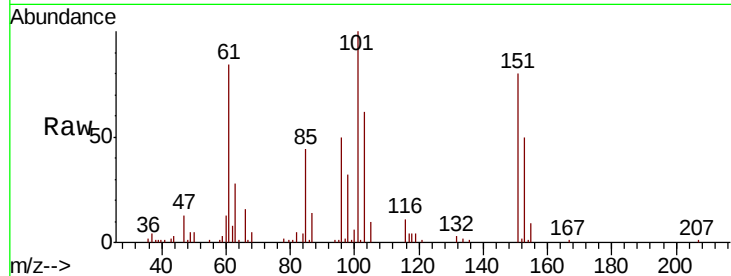
ClientSampleId :

VN1122MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 76941 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.4  | 34.8  | 52.2  |
| 151       | 79.9  | 62.2  | 93.4  |

Manual Integrations  
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11/26/2019 2:43:14 PM



#10

Methyl Iodide

Concen: 22.897 ug/l

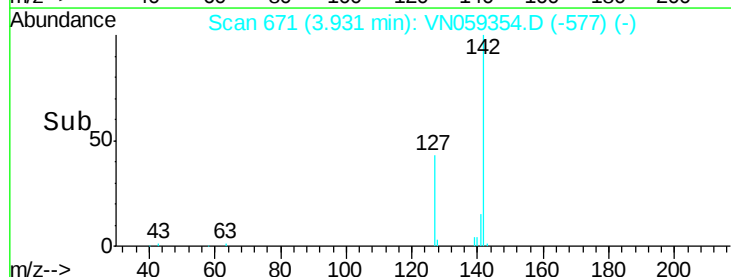
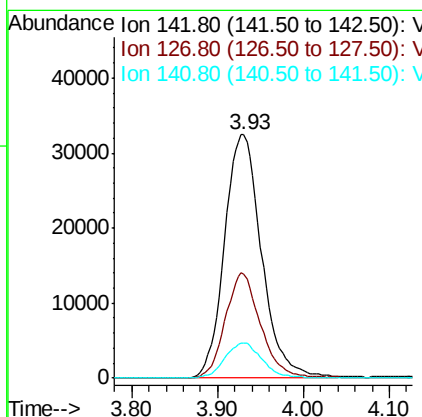
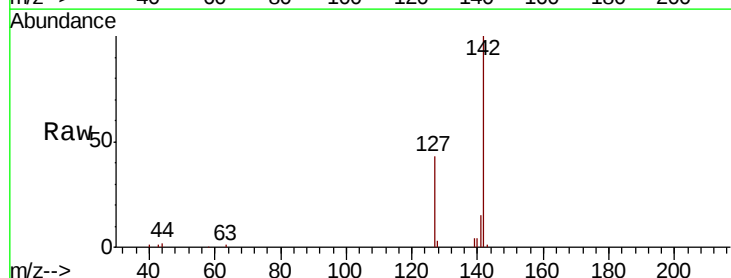
RT: 3.93 min Scan# 671

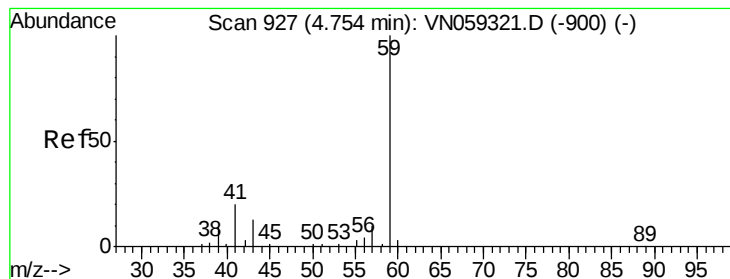
Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 97187 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.1  | 33.8  | 50.6  |
| 141       | 14.5  | 11.2  | 16.8  |





#11

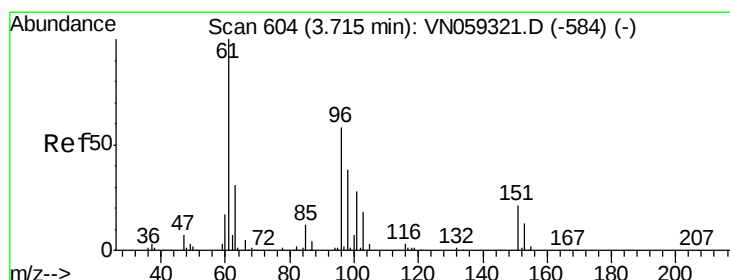
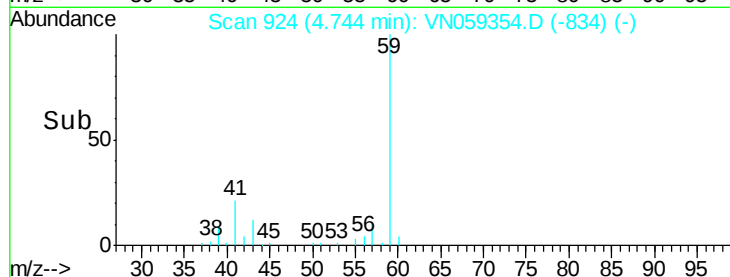
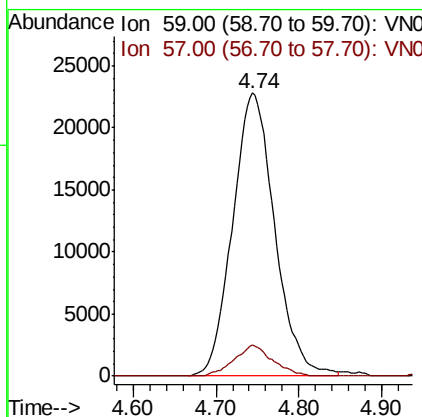
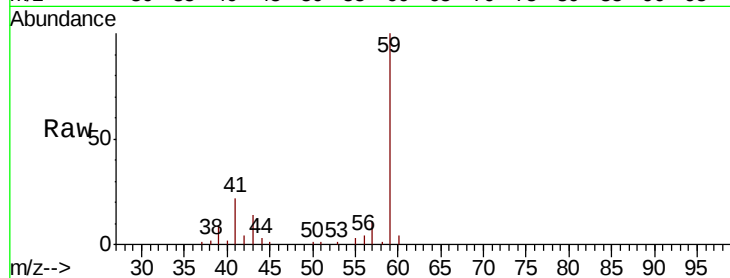
Tert butyl alcohol  
 Concen: 104.145 ug/l  
 RT: 4.74 min Scan# 924  
 Delta R.T. -0.01 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.0  | 8.2   | 12.2  |

Manual Integrations  
 APPROVED

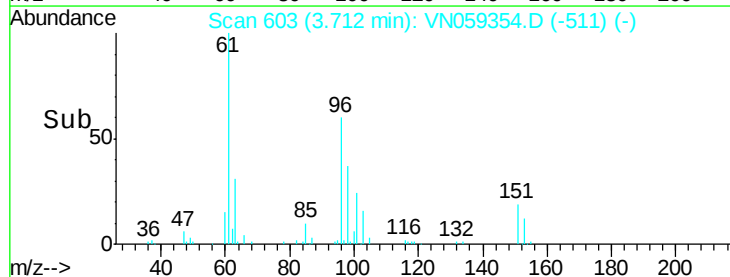
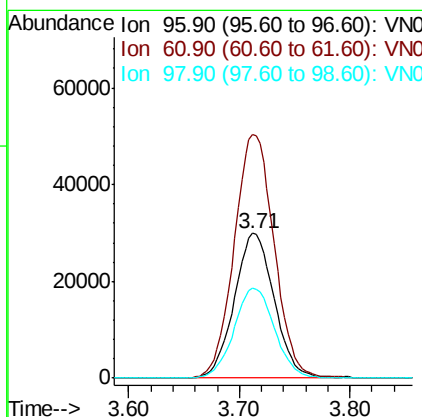
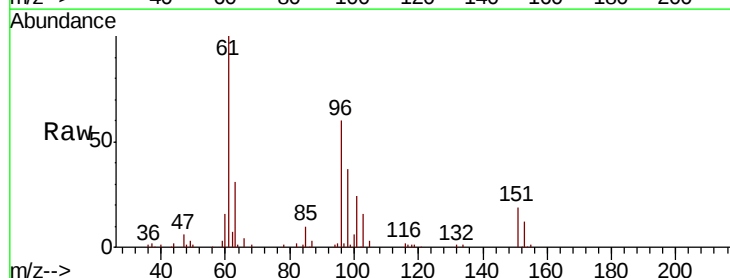
MMDadoda  
 11/26/2019 2:43:14 PM

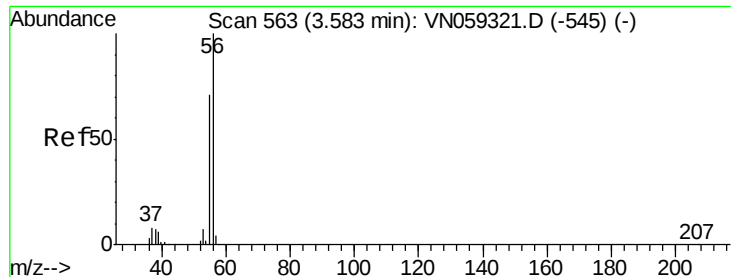


#12

1,1-Dichloroethene  
 Concen: 21.592 ug/l  
 RT: 3.71 min Scan# 603  
 Delta R.T. -0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 167.9 | 136.8 | 205.2 |
| 98      | 61.8  | 51.6  | 77.4  |





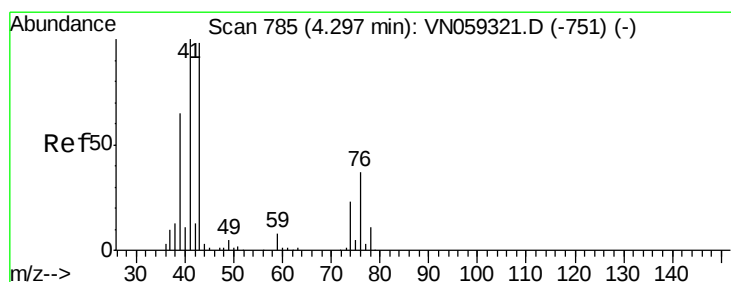
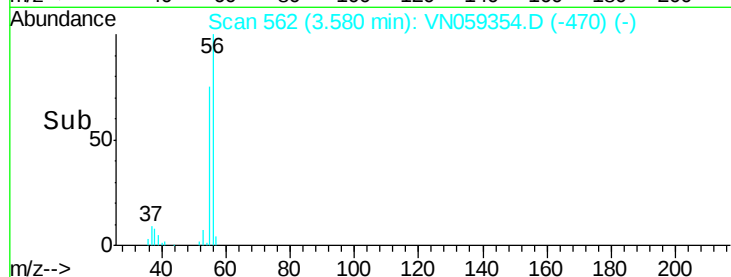
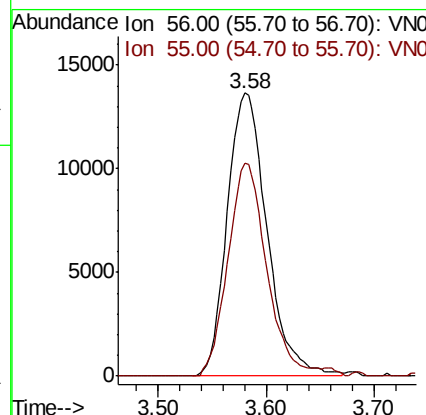
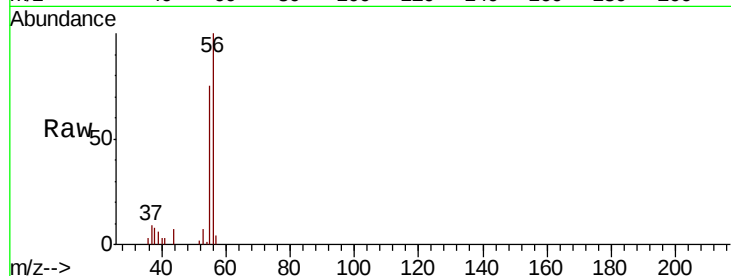
#13  
Acrolein  
Concen: 49.816 ug/l  
RT: 3.58 min Scan# 562  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion   | 56   | Resp  | 35088 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 72.8 | 57.4  | 86.0  |

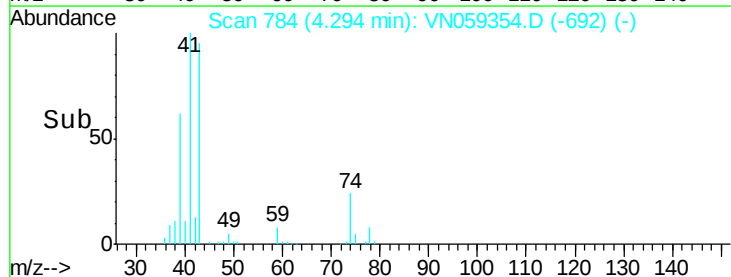
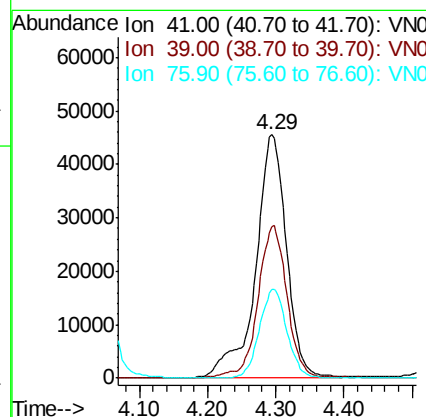
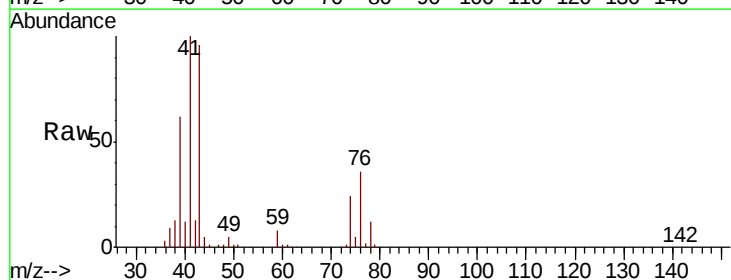
Manual Integrations  
APPROVED

MMDadoda  
11/26/2019 2:43:14 PM



#14  
Allyl chloride  
Concen: 22.223 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion   | 41   | Resp  | 143918 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 58.7 | 48.4  | 72.6   |
| 76        | 32.4 | 26.2  | 39.4   |





#15

Acrylonitrile

Concen: 108.189 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

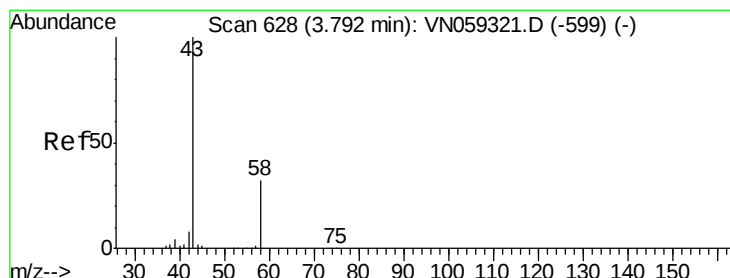
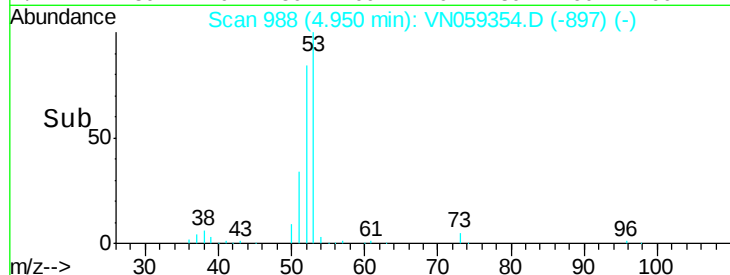
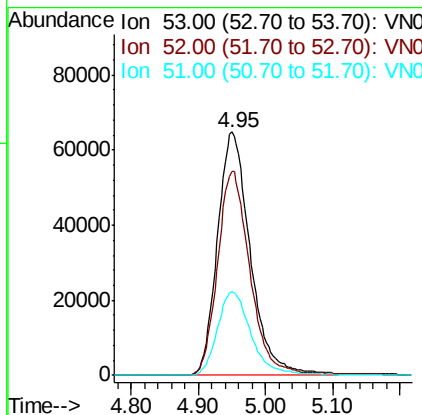
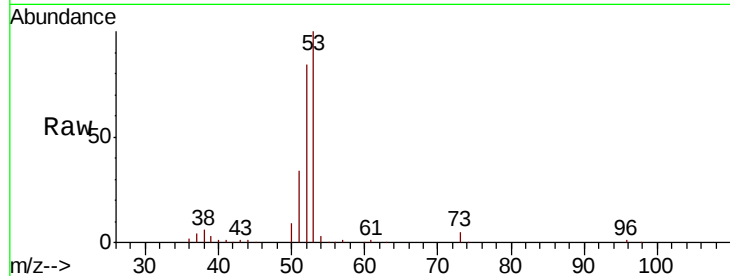
ClientSampleId :

VN1122MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 220719 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.0  | 65.8  | 98.8   |
| 51        | 35.1  | 28.2  | 42.2   |

Manual Integrations  
APPROVED

MMDadoda  
11/26/2019 2:43:14 PM



#16

Acetone

Concen: 142.321 ug/l

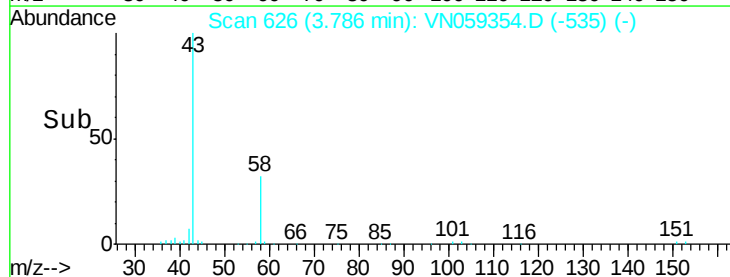
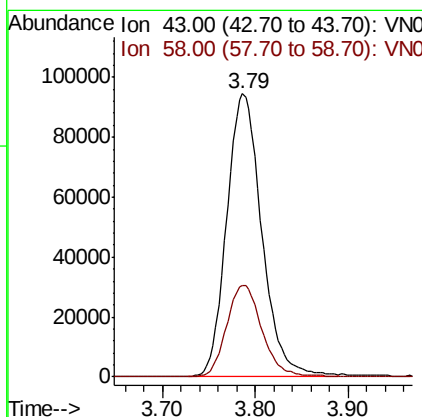
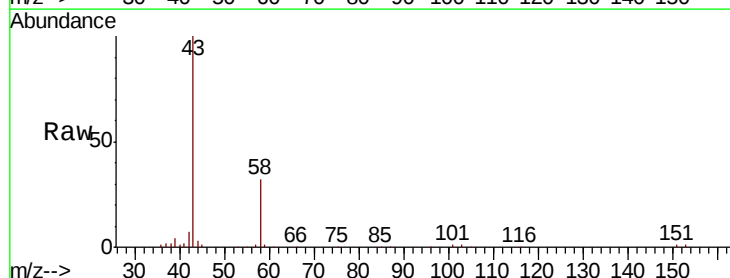
RT: 3.79 min Scan# 626

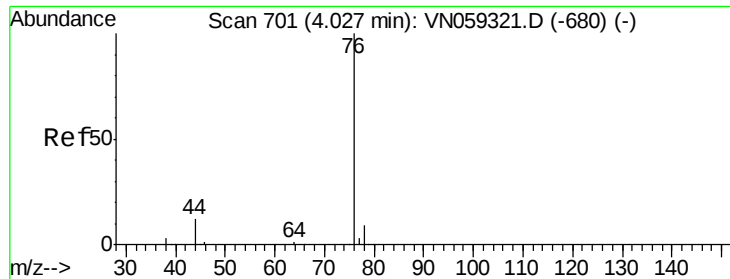
Delta R.T. -0.01 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 245931 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.5  | 25.8  | 38.6   |





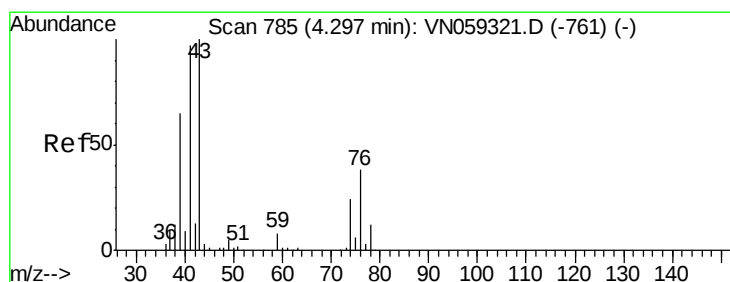
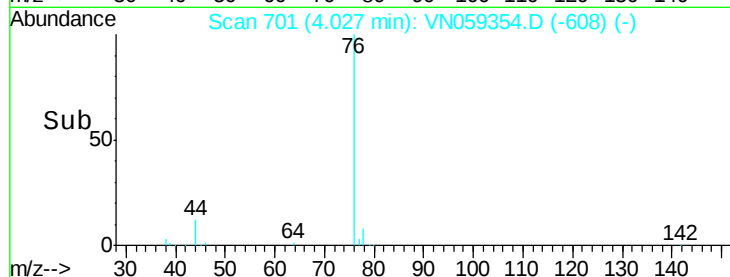
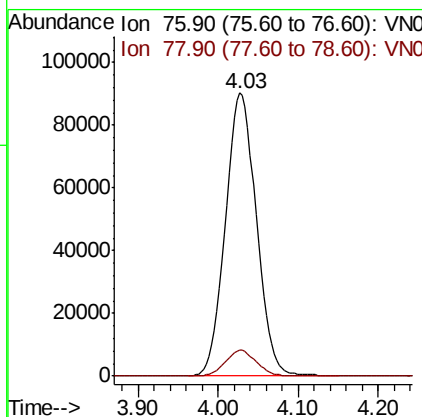
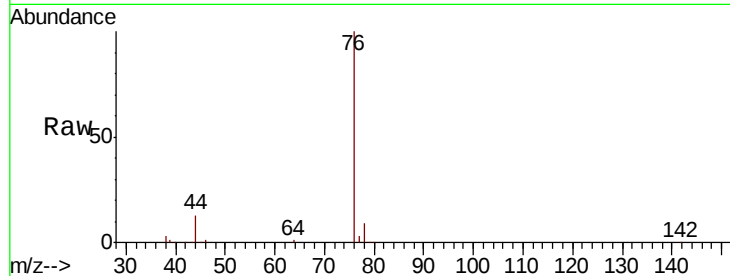
#17  
Carbon Disulfide  
Concen: 22.032 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.2   | 10.8  |

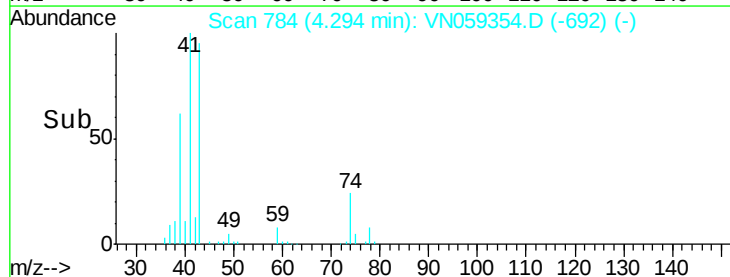
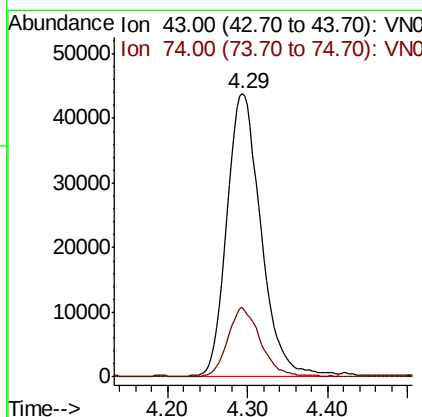
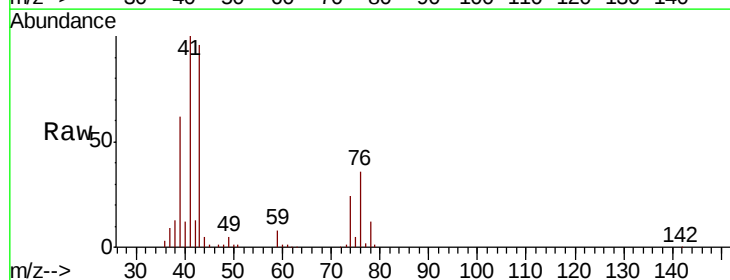
Manual Integrations  
APPROVED

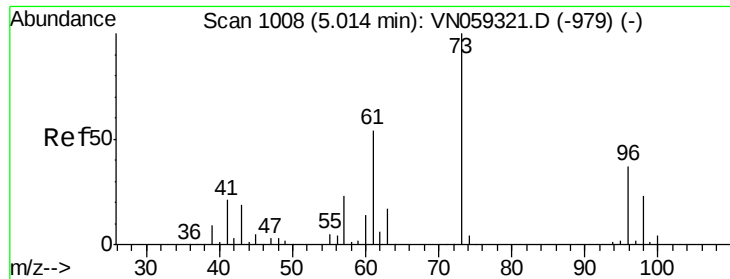
MMDadoda  
11/26/2019 2:43:14 PM



#18  
Methyl Acetate  
Concen: 22.337 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.4  | 18.1  | 27.1  |





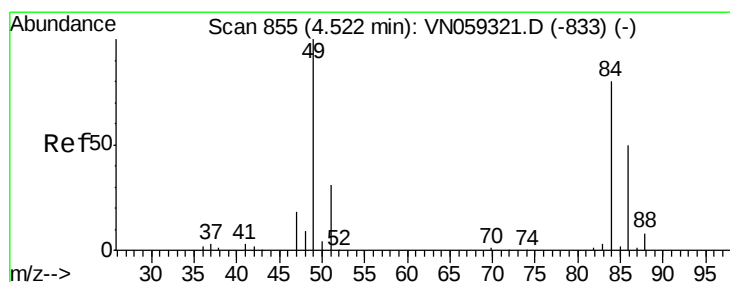
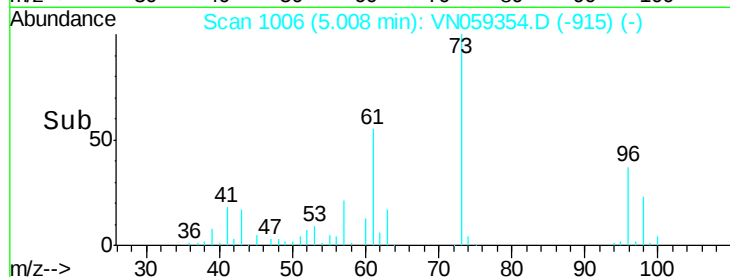
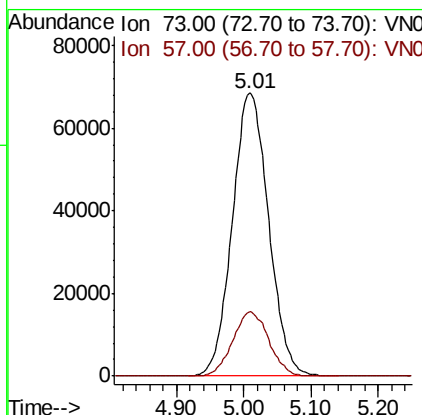
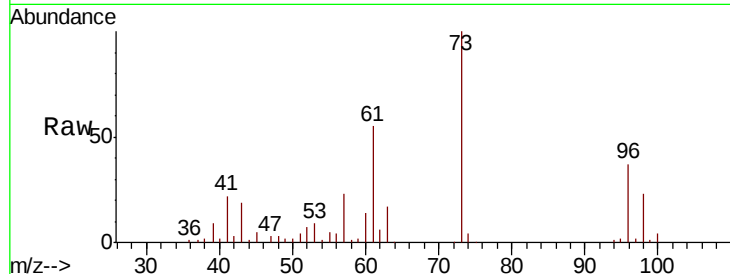
#19  
Methyl tert-butyl Ether  
Concen: 22.937 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

Tot Ion: 73 Resp: 256819  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.4 27.6

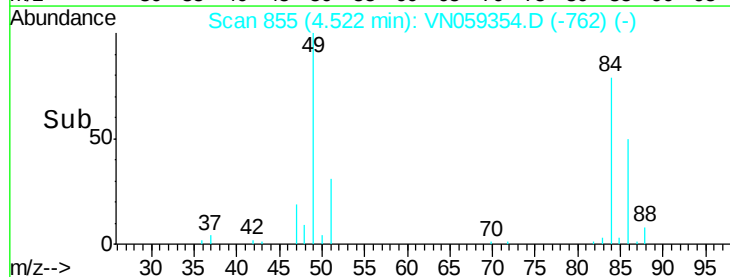
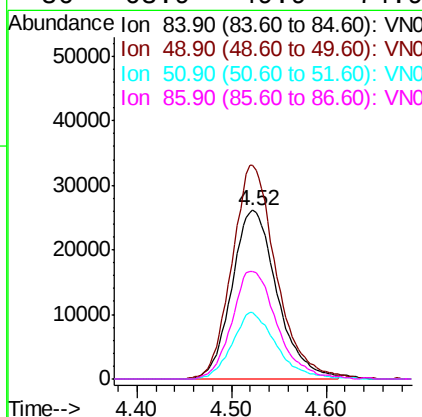
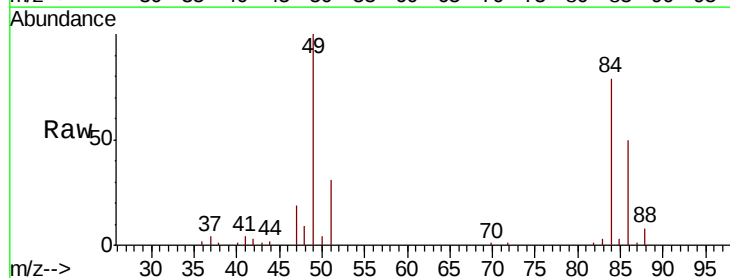
Manual Integrations  
APPROVED

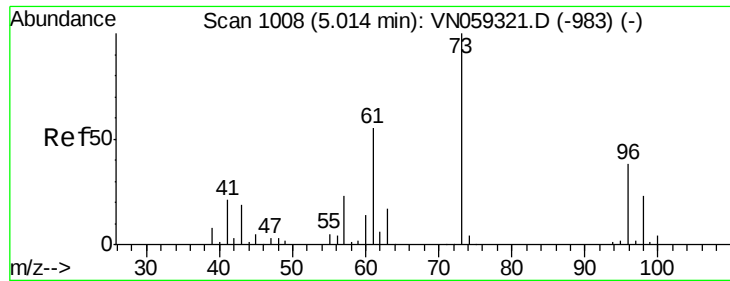
MMDadoda  
11/26/2019 2:43:14 PM



#20  
Methylene Chloride  
Concen: 22.315 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Tgt Ion: 84 Resp: 86967  
Ion Ratio Lower Upper  
84 100  
49 126.0 99.5 149.3  
51 39.4 31.1 46.7  
86 63.9 49.9 74.9





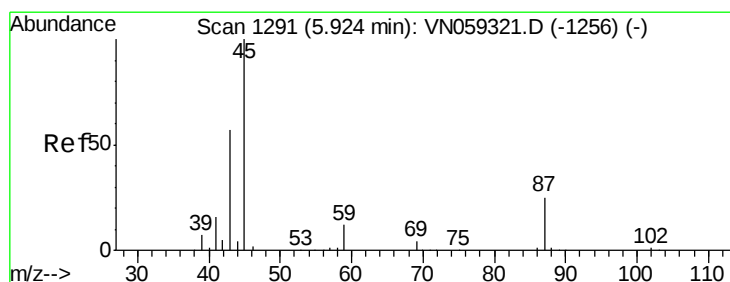
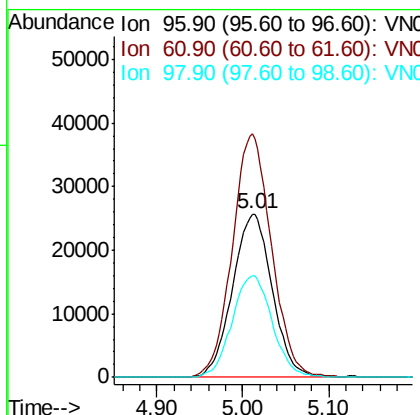
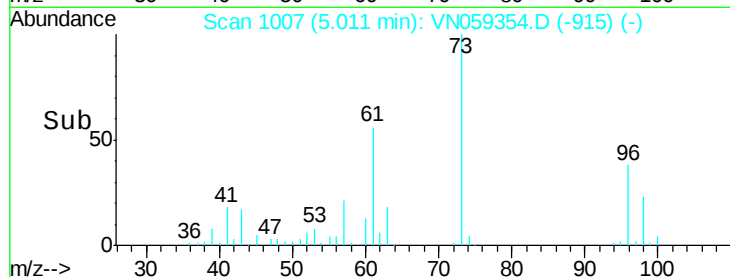
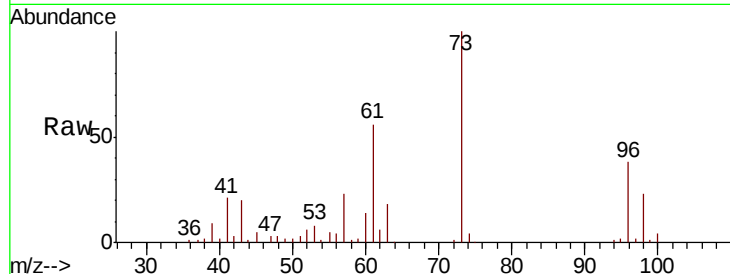
#21  
trans-1,2-Dichloroethene  
Concen: 22.404 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 149.1 | 116.4 | 174.6 |
| 98      | 62.5  | 49.6  | 74.4  |

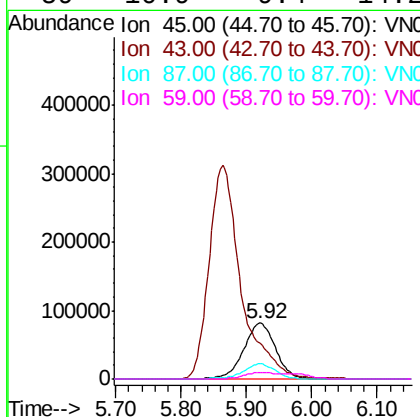
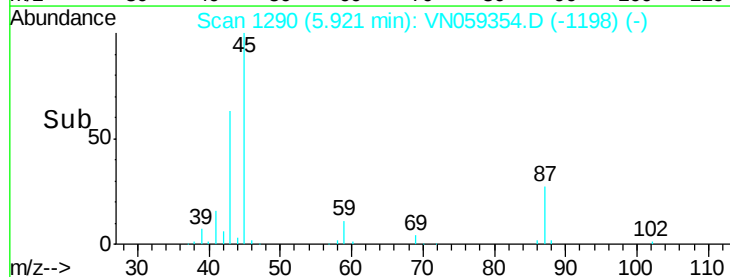
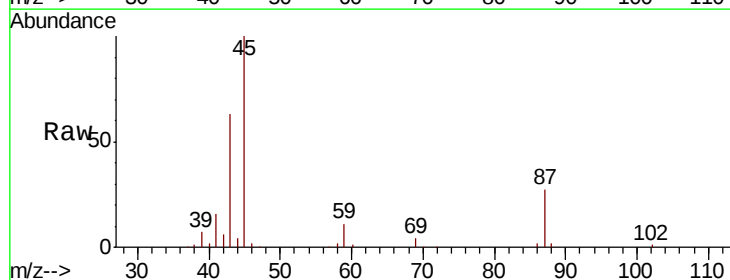
Manual Integrations  
APPROVED

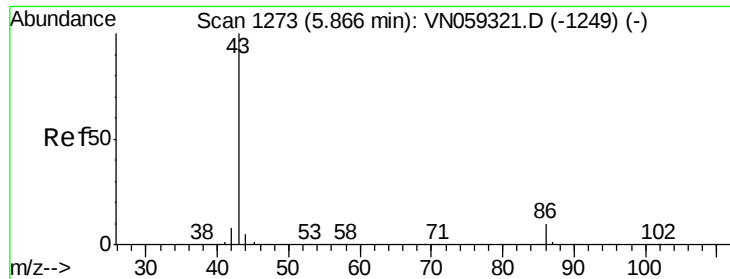
MMDadoda  
11/26/2019 2:43:14 PM



#22  
Diisopropyl ether  
Concen: 22.786 ug/l  
RT: 5.92 min Scan# 1290  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 61.7  | 47.6  | 71.4  |
| 87      | 27.0  | 20.7  | 31.1  |
| 59      | 10.9  | 9.4   | 14.2  |





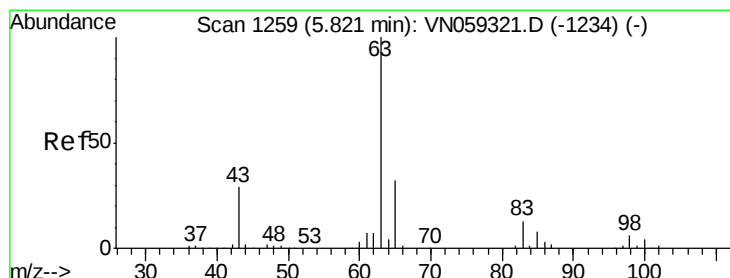
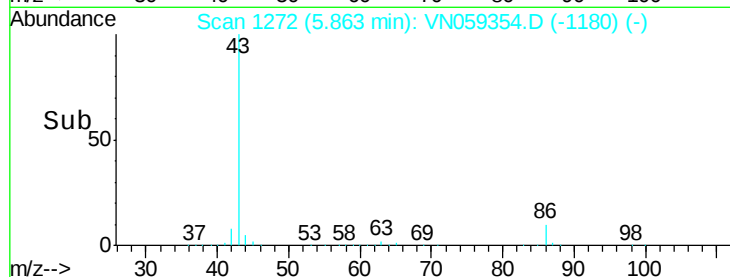
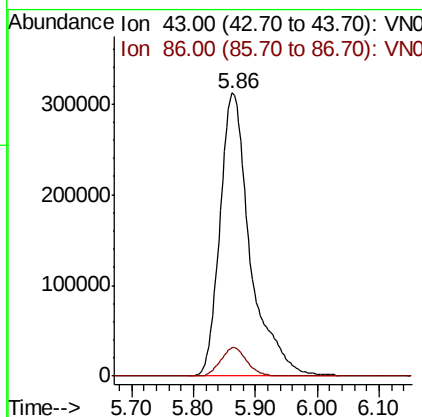
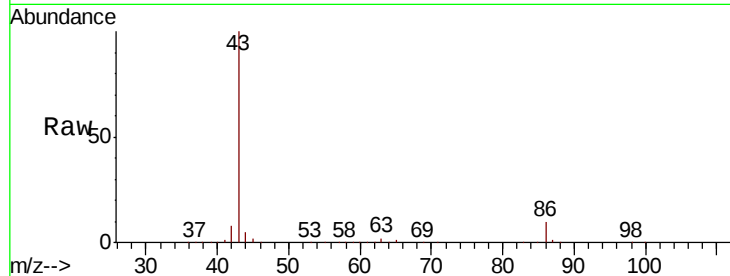
#23  
 Vinyl Acetate  
 Concen: 110.734 ug/l  
 RT: 5.86 min Scan# 1272  
 Delta R.T. -0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

Tot Ion: 43 Resp: 1061770  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 8.0 12.0

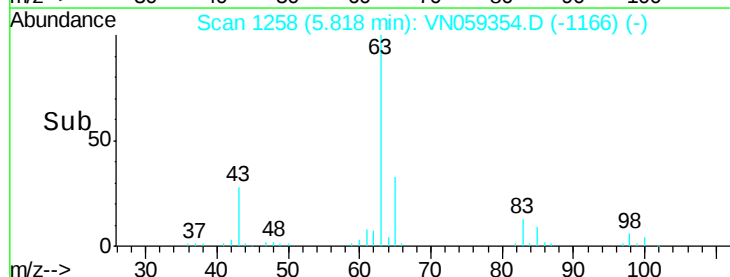
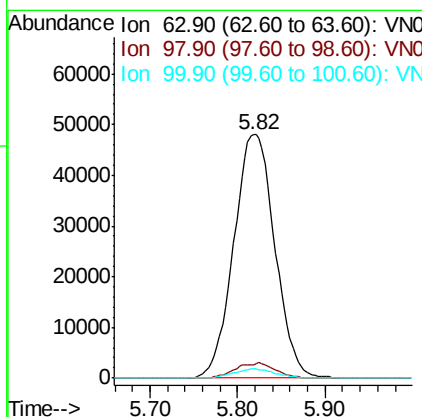
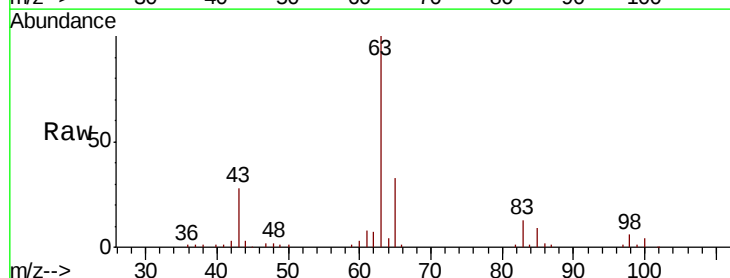
Manual Integrations  
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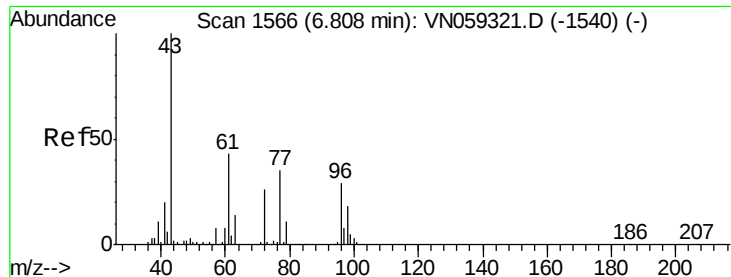
MMDadoda  
 11/26/2019 2:43:14 PM



#24  
 1,1-Dichloroethane  
 Concen: 22.744 ug/l  
 RT: 5.82 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Tgt Ion: 63 Resp: 156096  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 2.9 8.8  
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 115.497 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 43 Resp: 310344

Ion Ratio Lower Upper

43 100

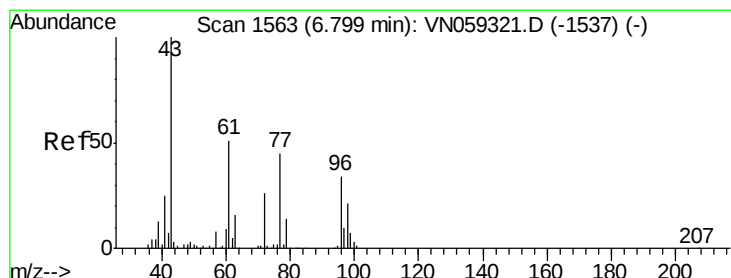
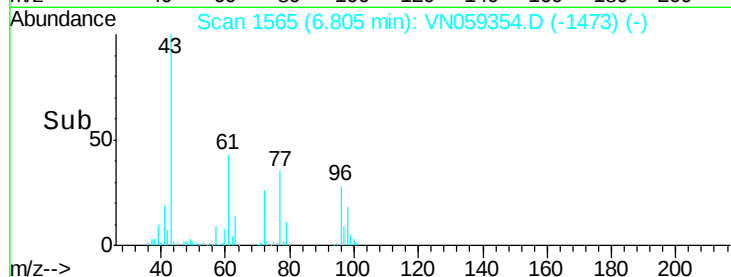
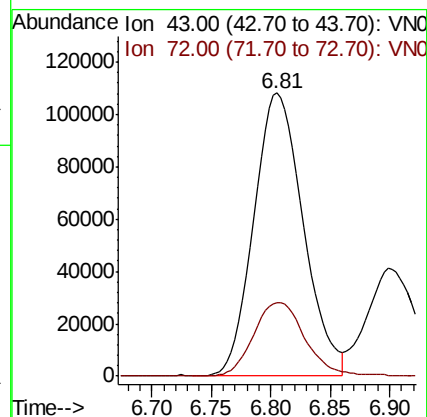
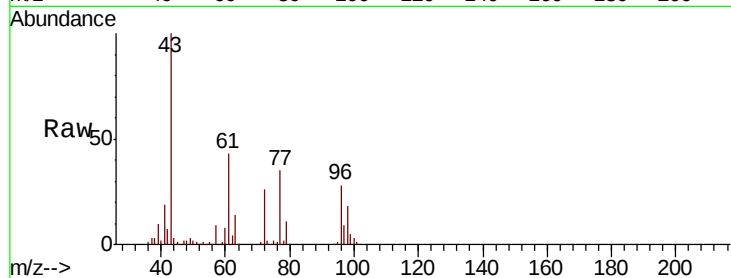
72 26.1 20.5 30.7

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#26

2,2-Dichloropropane

Concen: 22.416 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059354.D

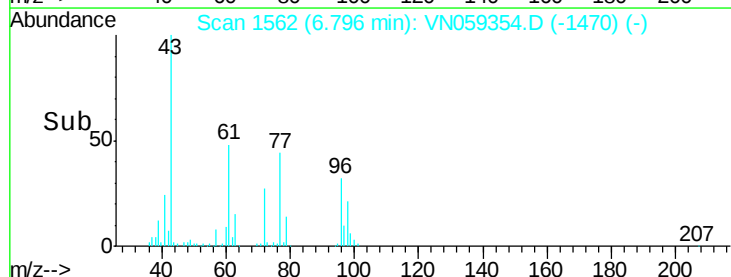
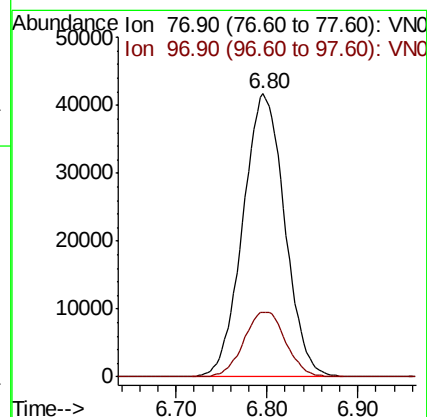
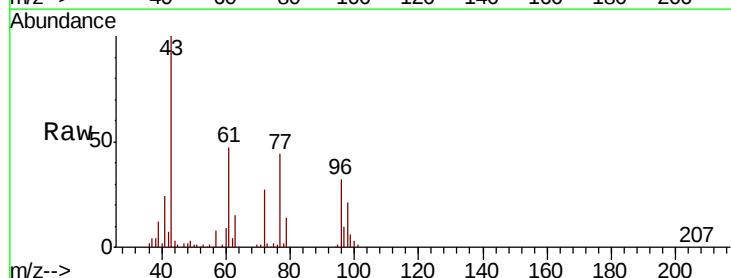
Acq: 22 Nov 2019 11:23

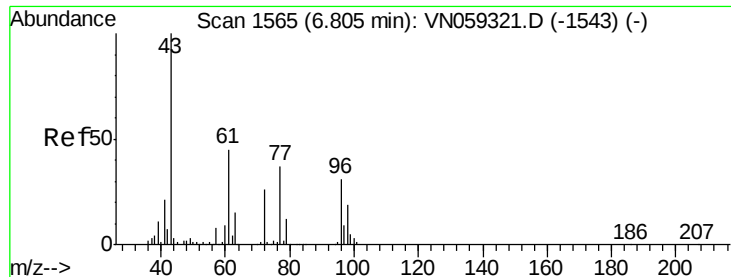
Tgt Ion: 77 Resp: 133213

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 22.262 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

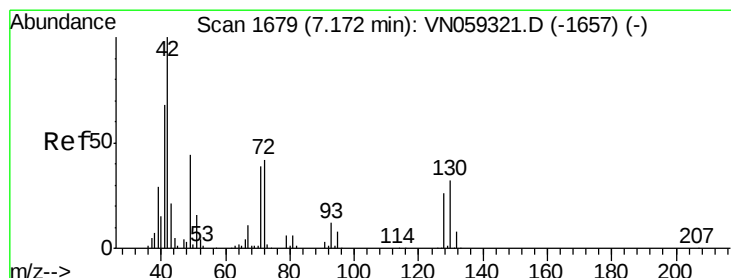
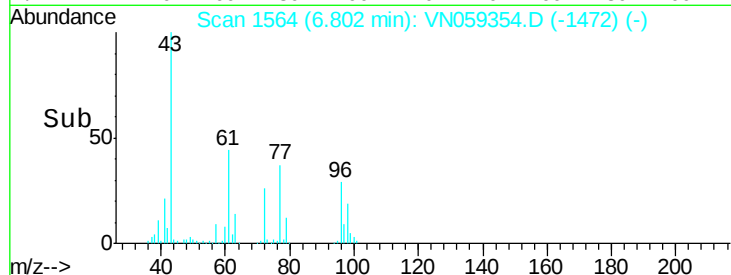
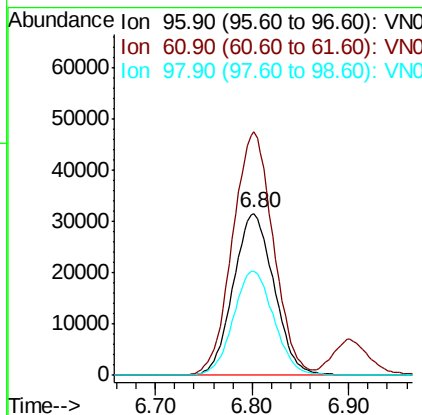
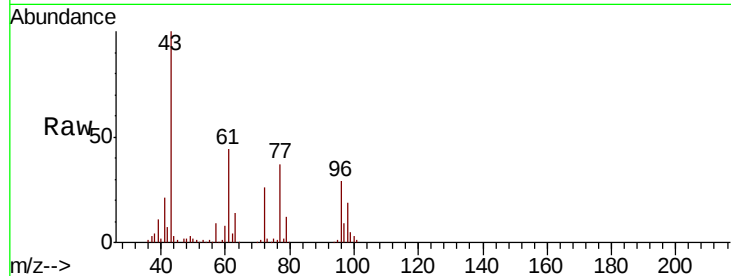
ClientSampleId :

VN1122MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 92283 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.5 | 0.0   | 304.0 |
| 98       | 63.9  | 0.0   | 128.4 |

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#28

Bromochloromethane

Concen: 16.848 ug/l

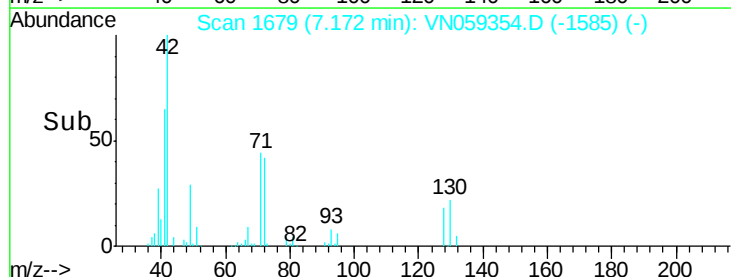
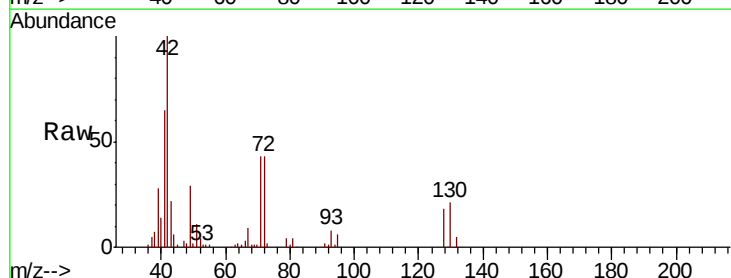
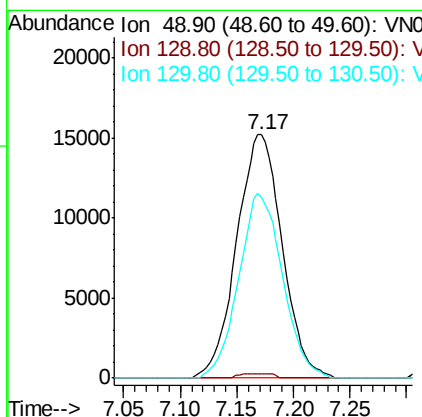
RT: 7.17 min Scan# 1679

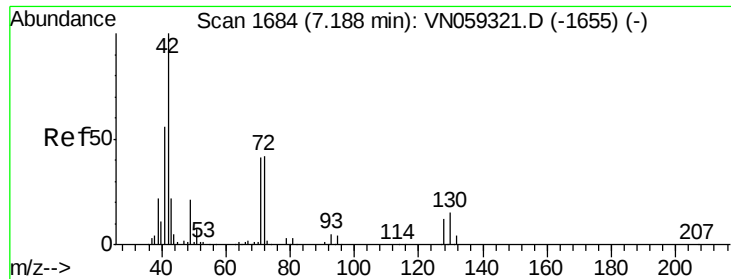
Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 42528 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.4   | 0.0   | 3.8   |
| 130      | 73.1  | 57.0  | 85.6  |





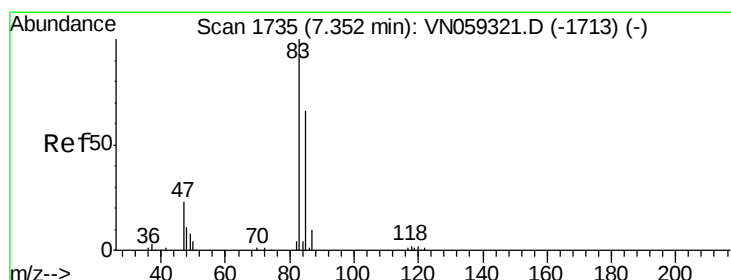
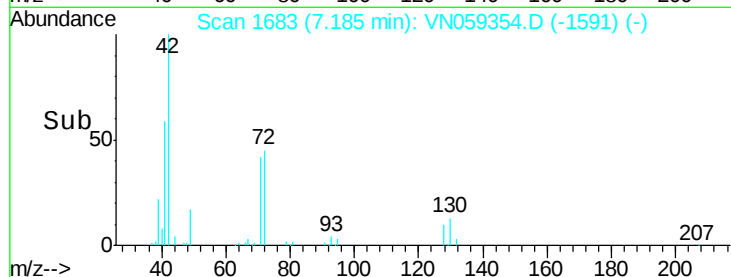
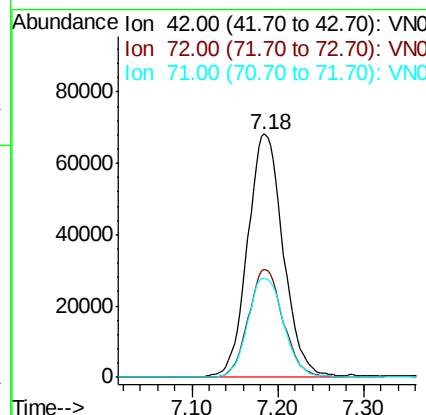
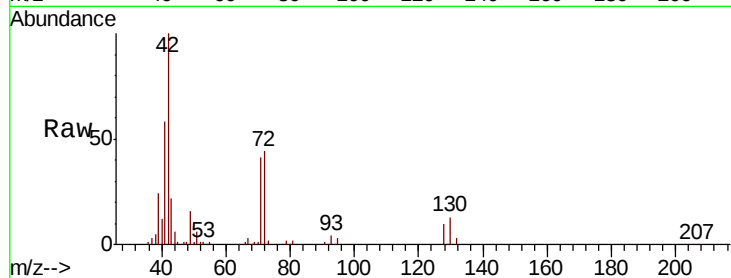
#29  
Tetrahydrofuran  
Concen: 106.119 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.3  | 34.2  | 51.2  |
| 71      | 40.8  | 32.6  | 48.8  |

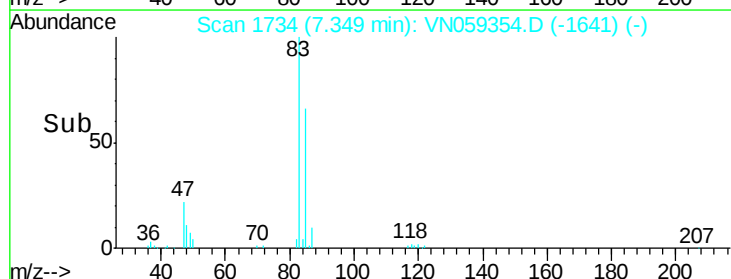
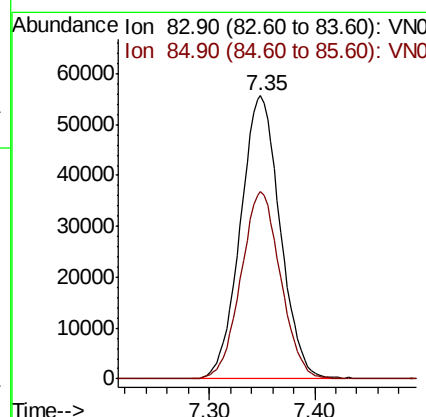
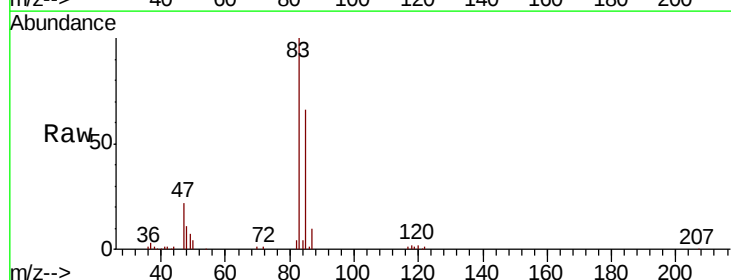
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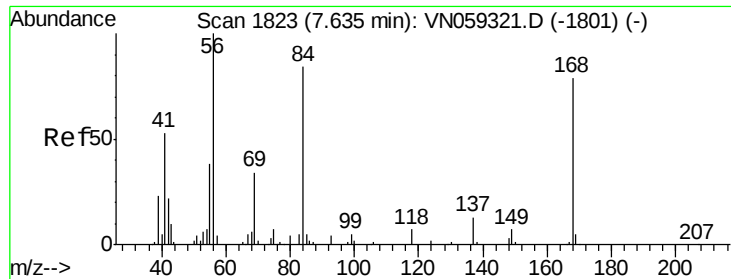
MMDadoda  
11/26/2019 2:43:14 PM



#30  
Chloroform  
Concen: 21.773 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.0  | 52.7  | 79.1  |





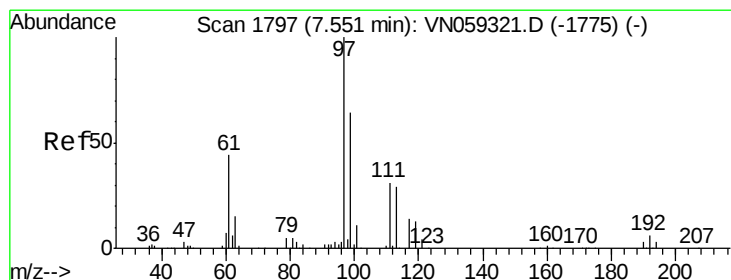
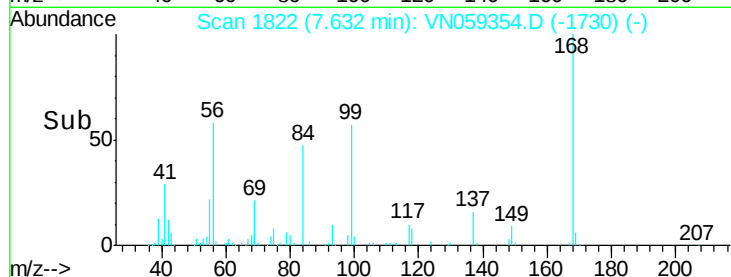
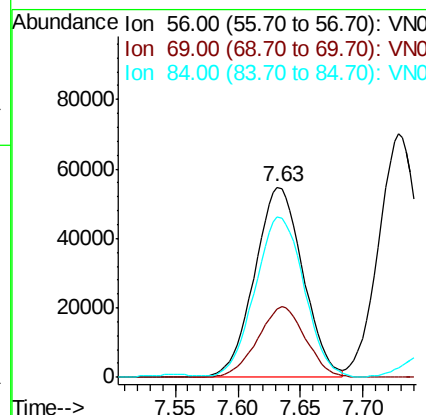
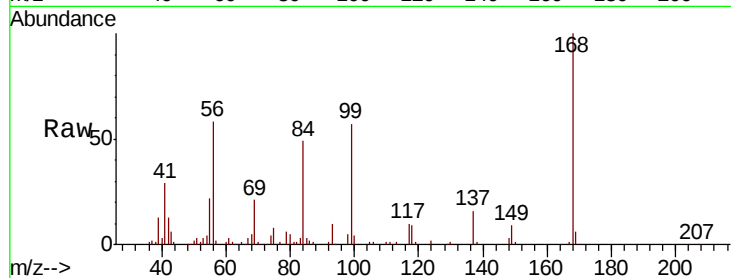
#31  
Cyclohexane  
Concen: 21.689 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.2  | 26.6  | 40.0  |
| 84      | 83.6  | 67.0  | 100.4 |

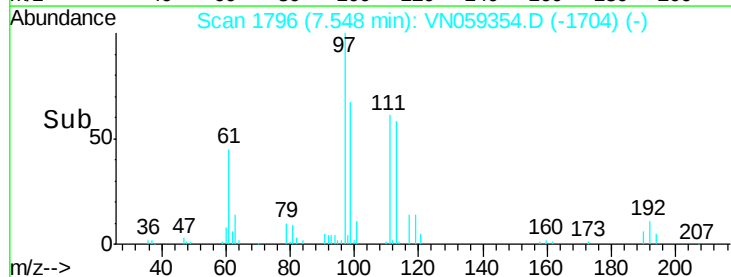
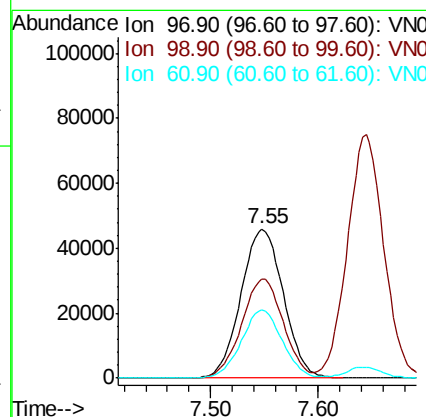
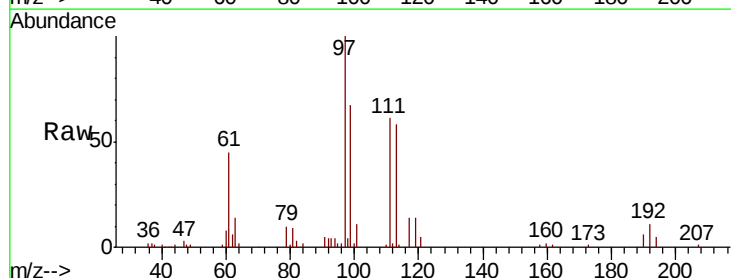
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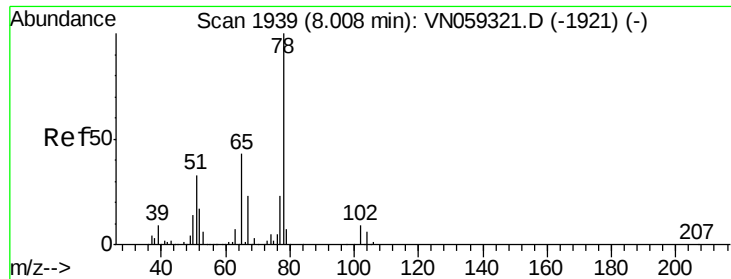
MMDadoda  
11/26/2019 2:43:14 PM



#32  
1,1,1-Trichloroethane  
Concen: 21.957 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.5  | 51.3  | 76.9  |
| 61      | 44.0  | 35.3  | 52.9  |





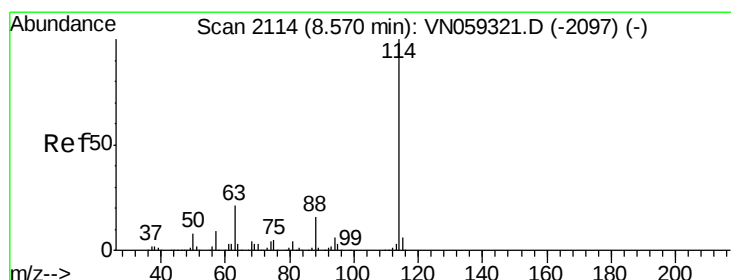
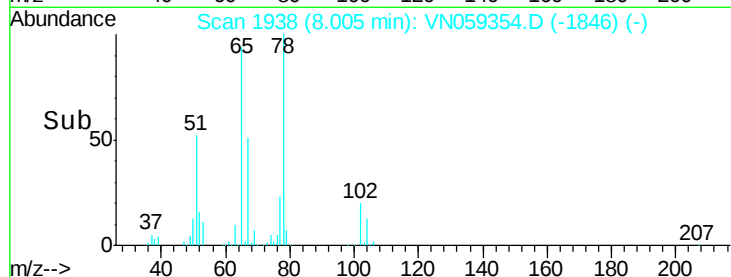
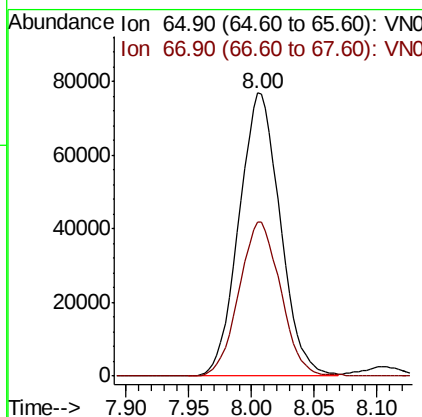
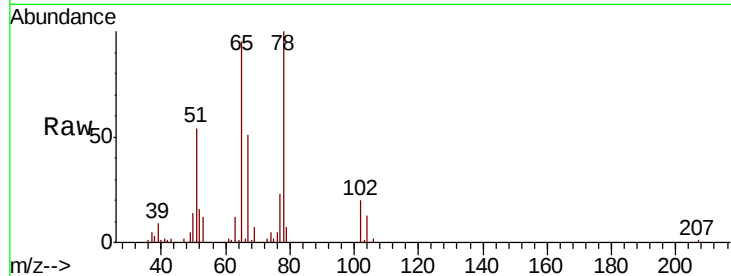
#33  
 1,2-Dichloroethane-d4  
 Concen: 45.678 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 55.1  | 0.0  | 109.4 |       |

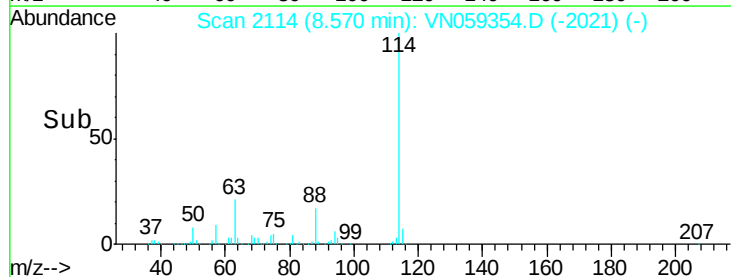
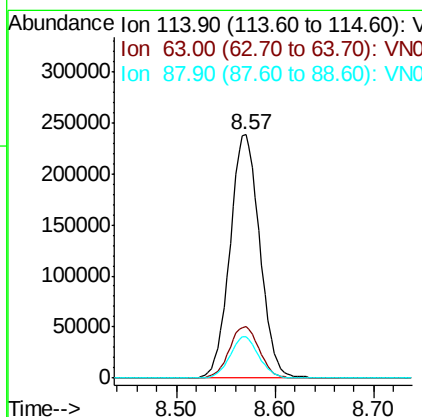
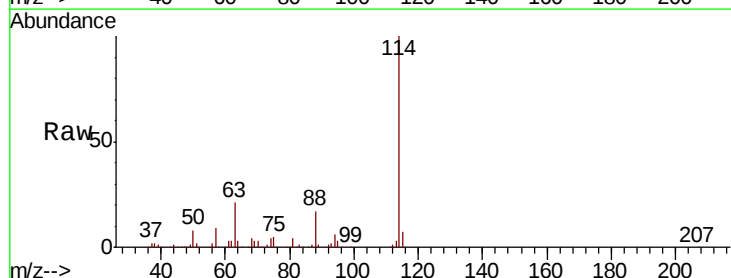
Manual Integrations  
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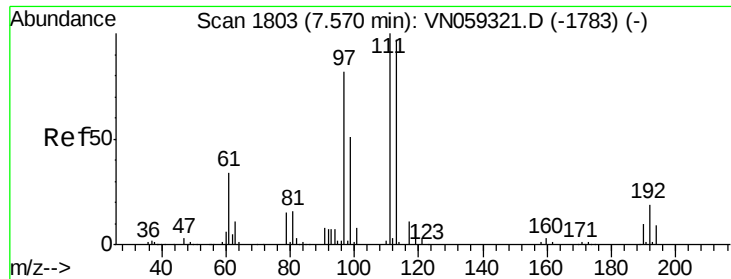
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 21.0  | 0.0  | 42.2  |       |
| 88      | 17.0  | 0.0  | 32.2  |       |





#35

Dibromofluoromethane

Concen: 47.223 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

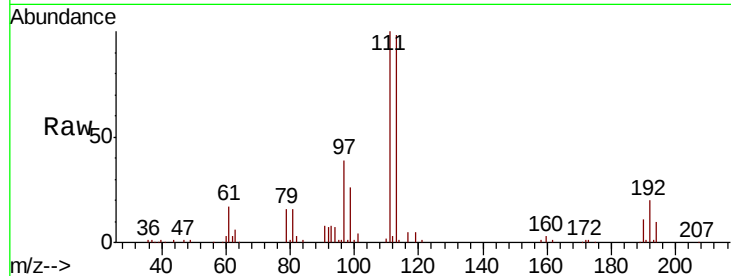
ClientSampleId :

VN1122MBS01

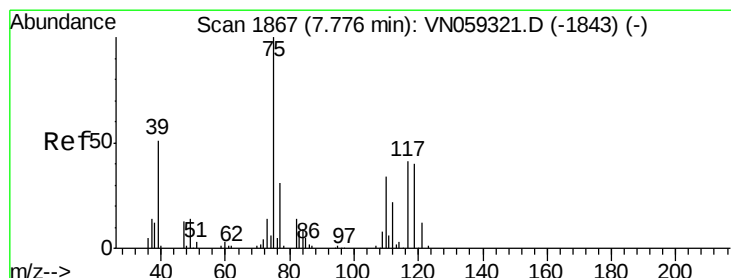
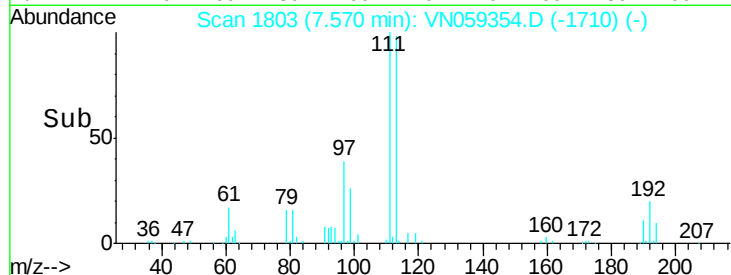
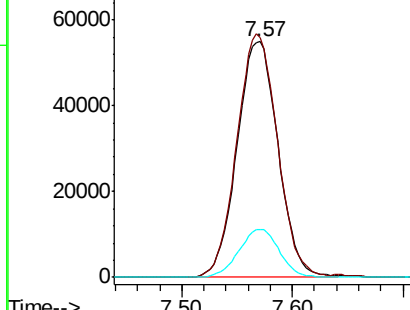
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 141940 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.0 | 82.7  | 124.1  |
| 192      | 20.1  | 16.3  | 24.5   |

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Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.838 ug/l

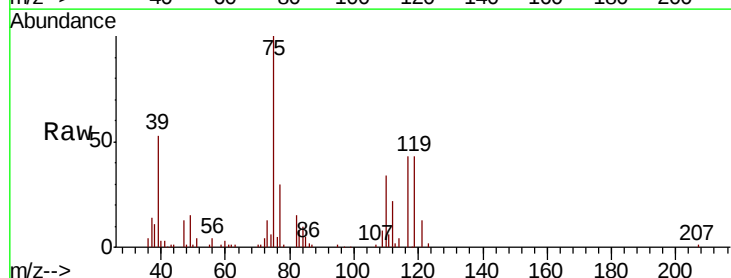
RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

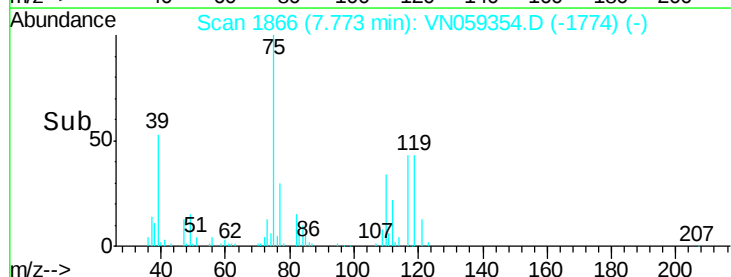
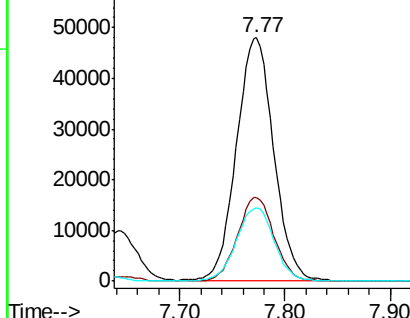
Lab File: VN059354.D

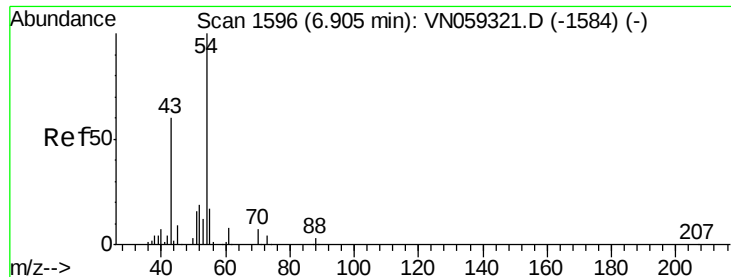
Acq: 22 Nov 2019 11:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 118120 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 33.6  | 17.0  | 51.0   |
| 77       | 30.6  | 24.8  | 37.2   |



Abundance Ion 74.90 (74.60 to 75.60): V  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.90 (76.60 to 77.60): V





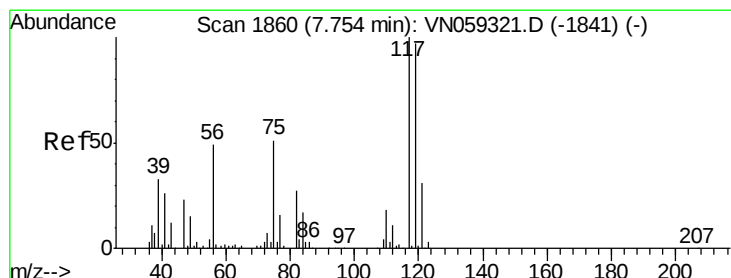
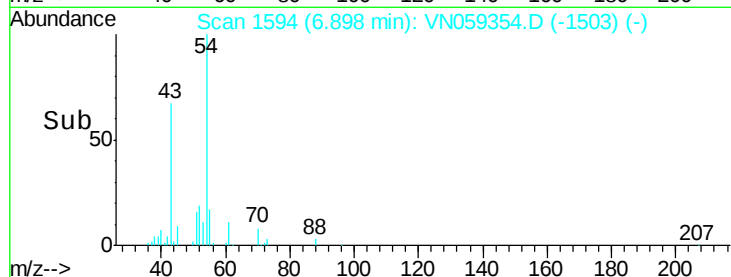
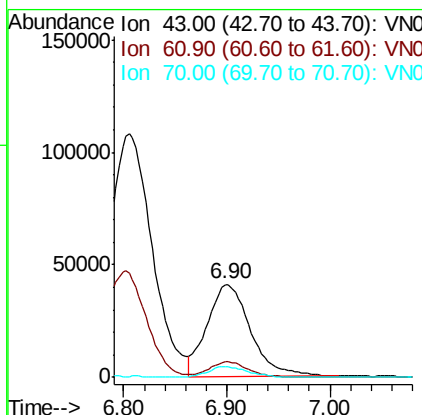
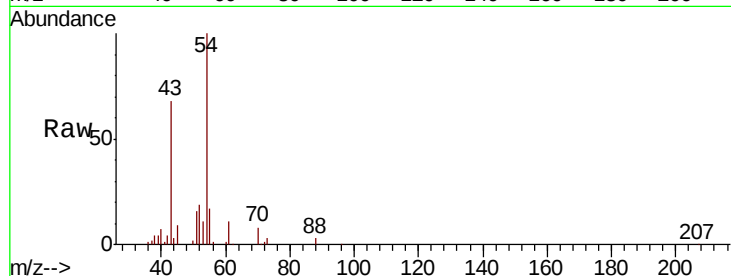
#37  
Ethyl Acetate  
Concen: 21.269 ug/l  
RT: 6.90 min Scan# 1594  
Delta R.T. -0.01 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.9  | 11.0  | 16.6  |
| 70      | 11.0  | 8.8   | 13.2  |

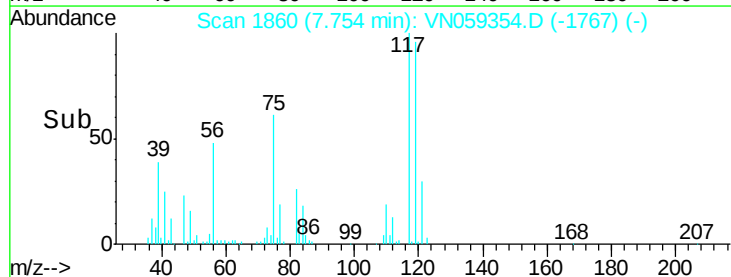
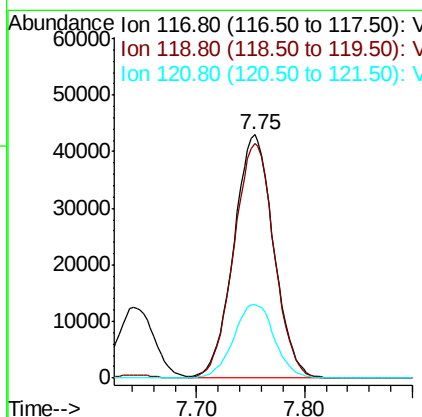
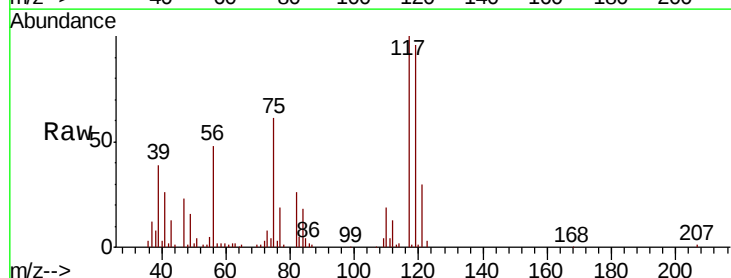
Manual Integrations  
APPROVED

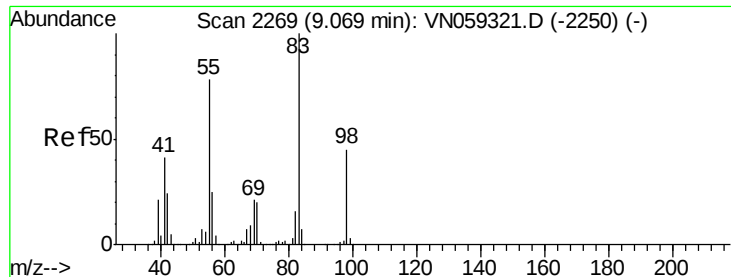
MMDadoda  
11/26/2019 2:43:14 PM



#38  
Carbon Tetrachloride  
Concen: 22.344 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.2  | 77.0  | 115.4 |
| 121     | 30.1  | 24.4  | 36.6  |





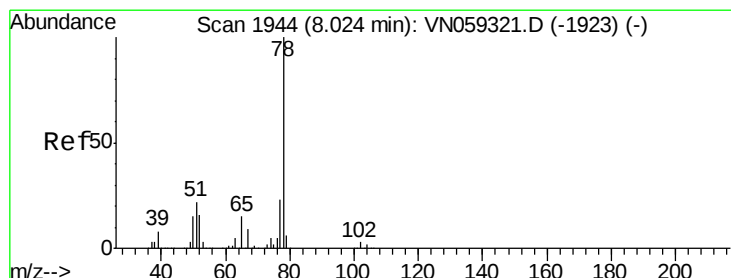
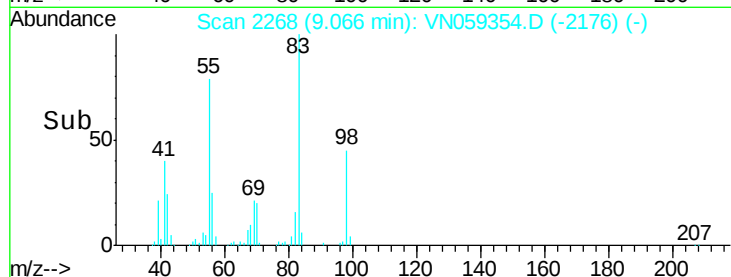
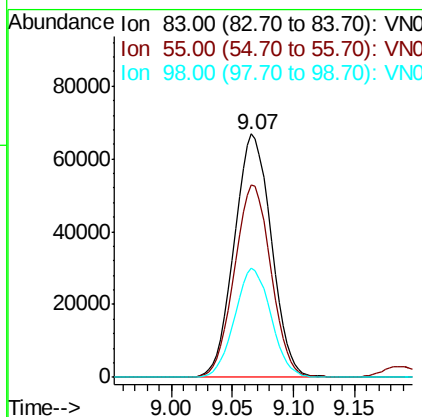
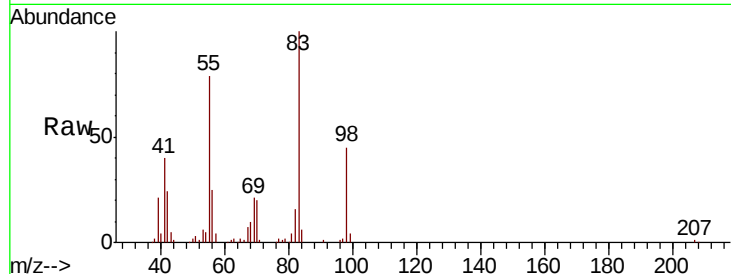
#39  
Methvlcvclohexane  
Concen: 22.606 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.8  | 62.3  | 93.5  |
| 98      | 44.6  | 36.0  | 54.0  |

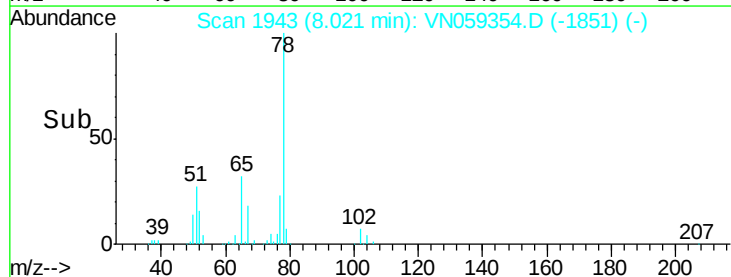
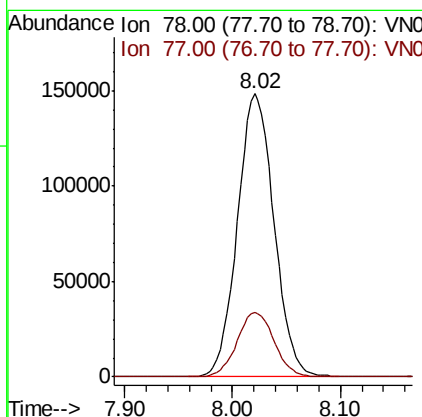
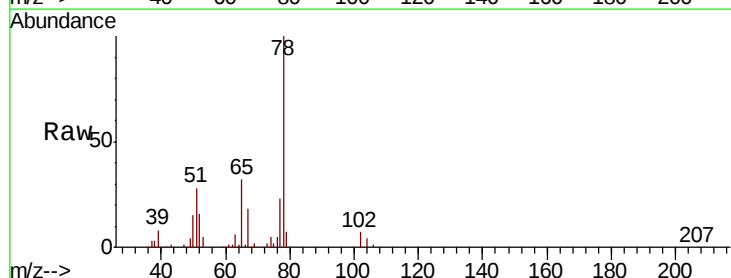
Manual Integrations  
APPROVED

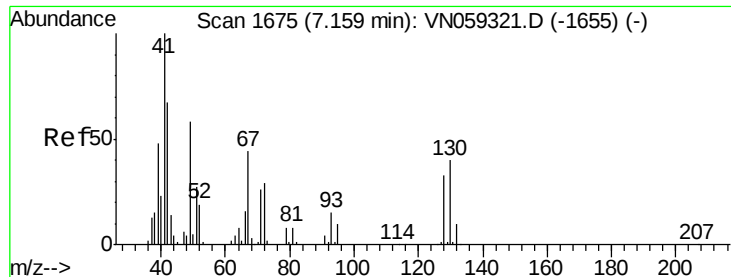
MMDadoda  
11/26/2019 2:43:14 PM



#40  
Benzene  
Concen: 23.054 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.9  | 18.4  | 27.6  |





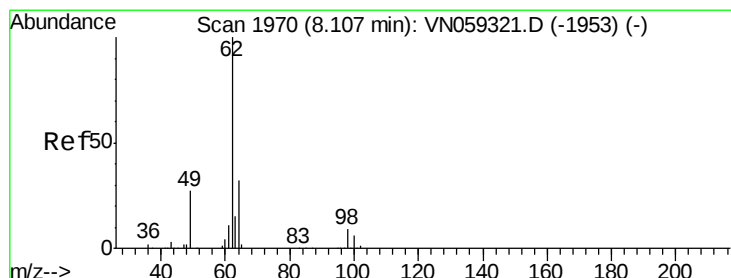
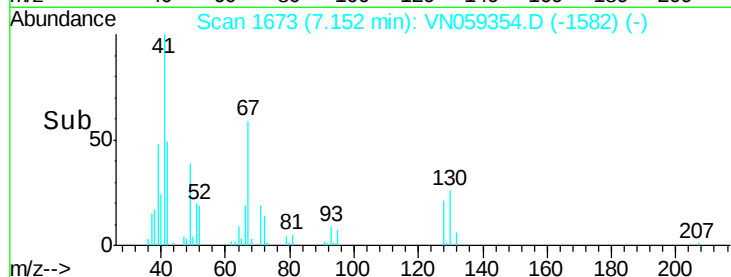
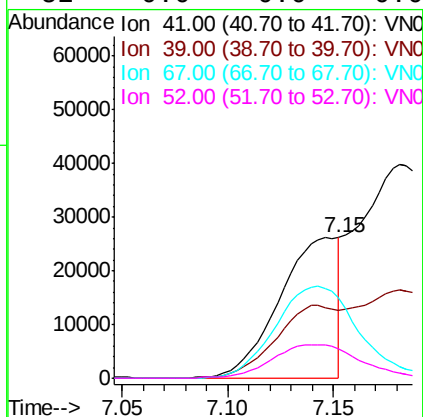
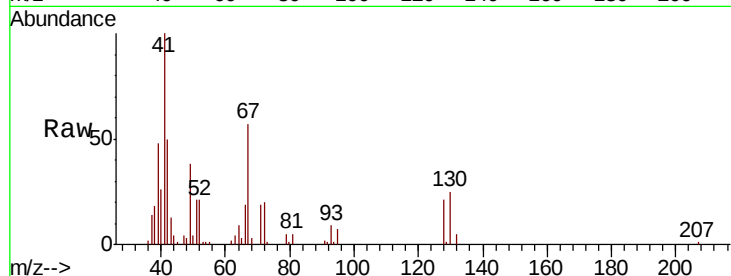
#41  
Methacrylonitrile  
Concen: 19.884 ug/l m  
RT: 7.15 min Scan# 1673  
Delta R.T. -0.01 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot 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   |

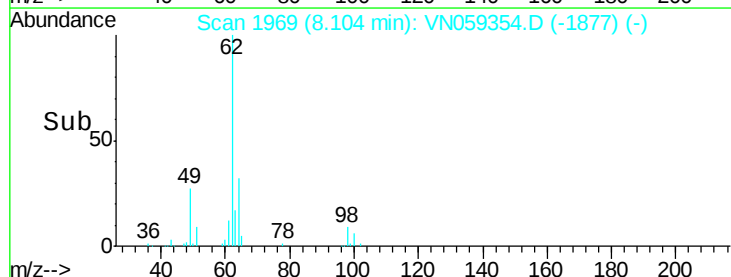
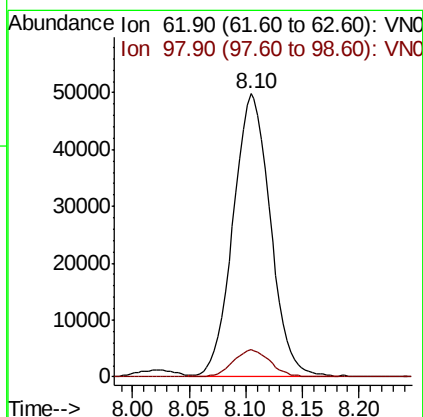
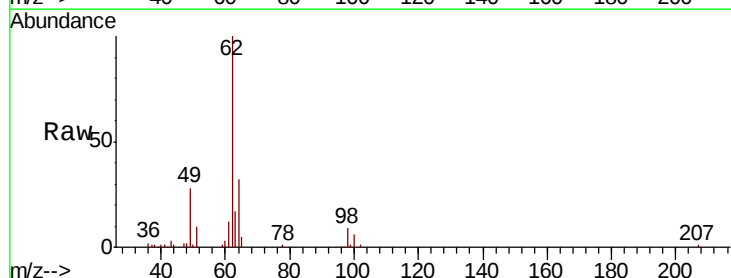
Manual Integrations  
APPROVED

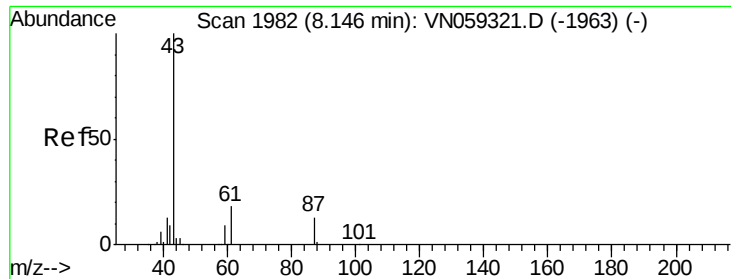
MMDadoda  
11/26/2019 2:43:14 PM



#42  
1,2-Dichloroethane  
Concen: 22.593 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.6   | 0.0   | 18.6  |





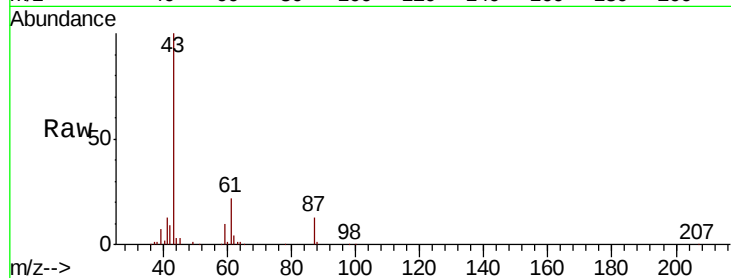
#43  
Isopropyl Acetate  
Concen: 22.073 ug/l  
RT: 8.14 min Scan# 1981  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

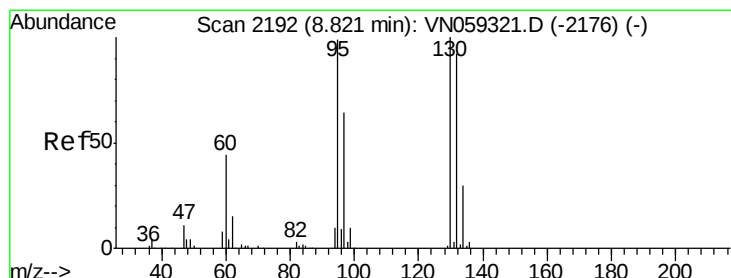
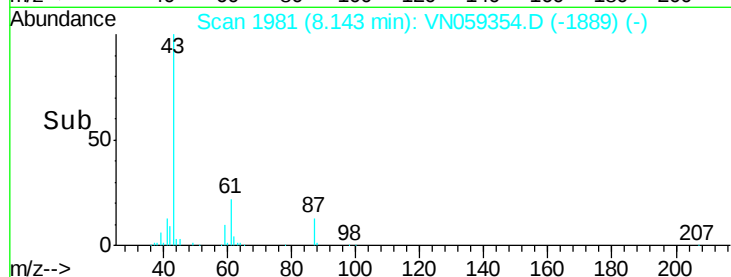
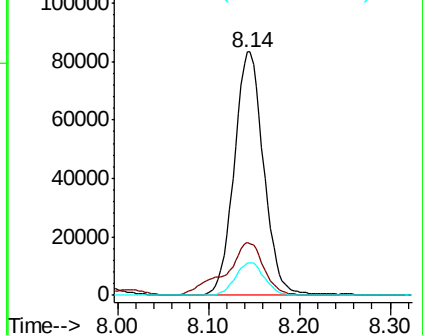
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 27.5  | 21.7  | 32.5  |
| 87      | 13.2  | 10.2  | 15.4  |

Manual Integrations  
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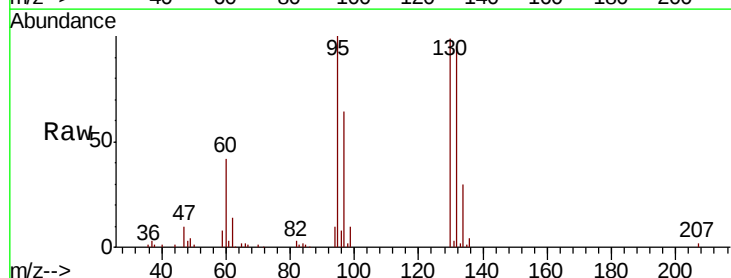


Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-1963) (-)

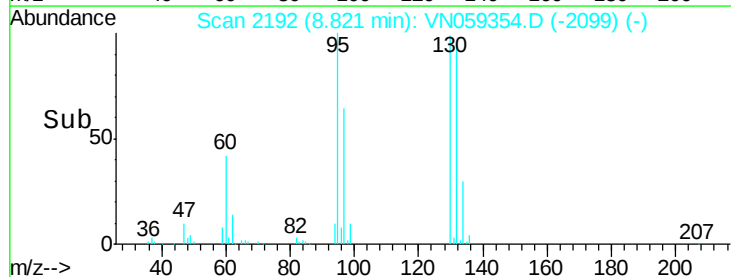
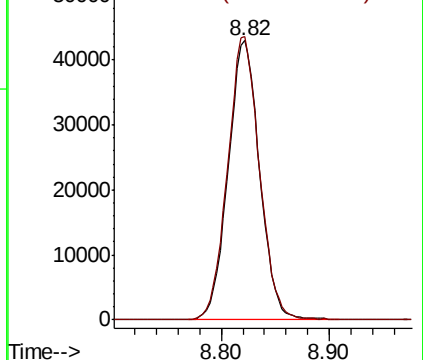


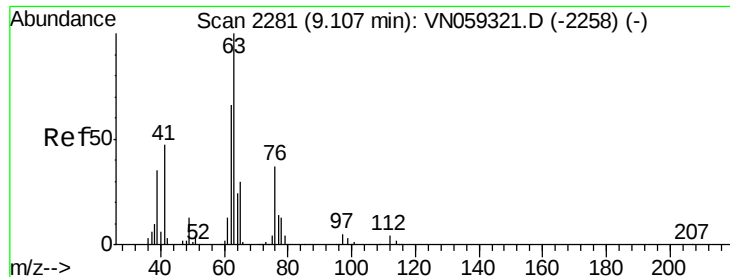
#44  
Trichloroethene  
Concen: 22.733 ug/l  
RT: 8.82 min Scan# 2192  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.4 | 0.0   | 198.4 |



Abundance Ion 129.80 (129.50 to 130.50): VN059321.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 23.061 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 63 Resp: 93348

Ion Ratio Lower Upper

63 100

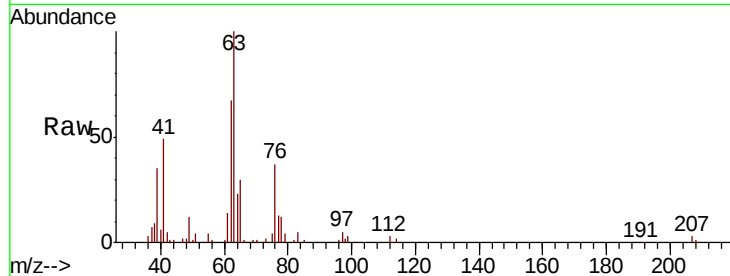
65 30.1 23.9 35.9

Manual Integrations

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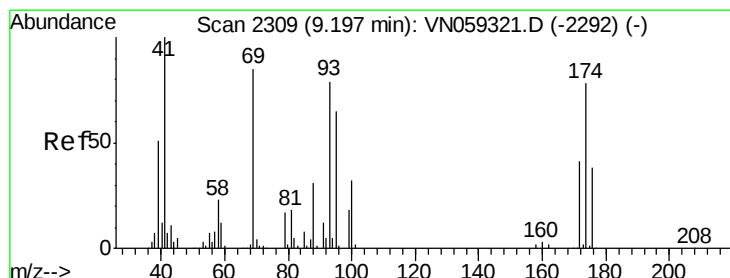
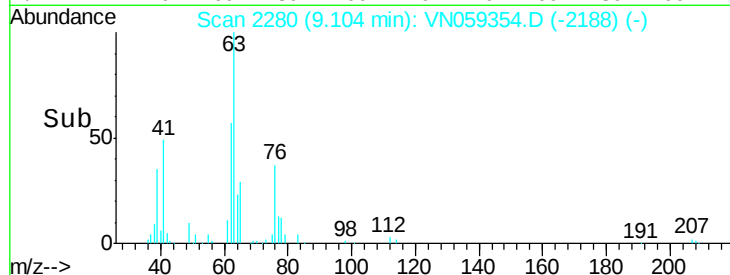
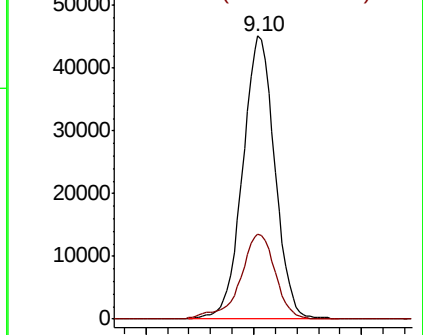
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 22.907 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

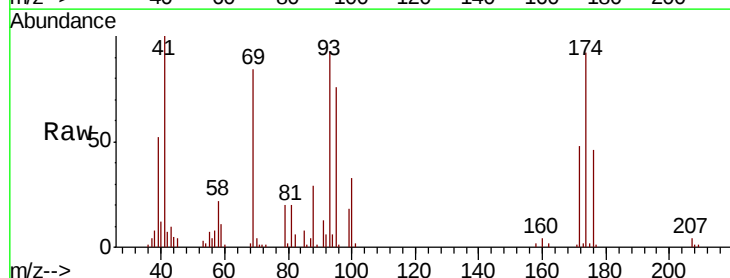
Tgt Ion: 93 Resp: 56876

Ion Ratio Lower Upper

93 100

95 82.9 66.9 100.3

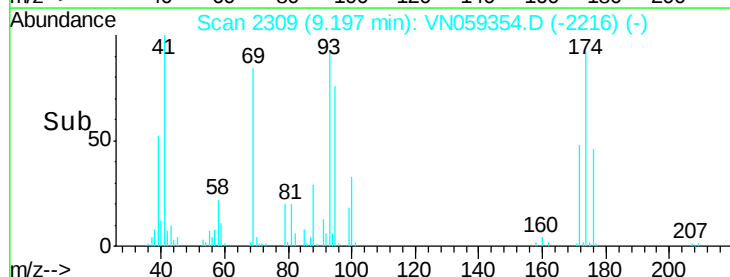
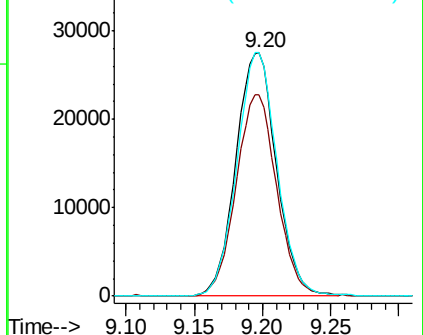
174 99.0 80.6 120.8

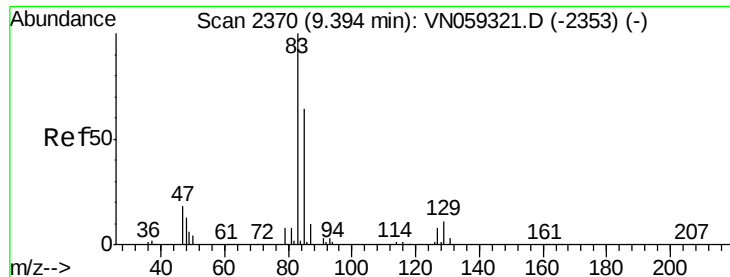


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





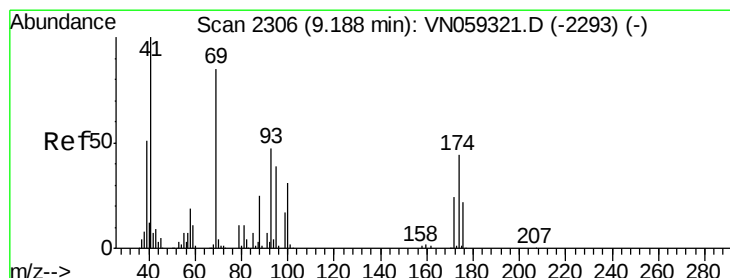
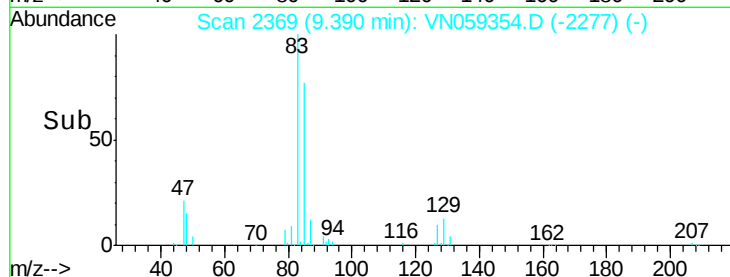
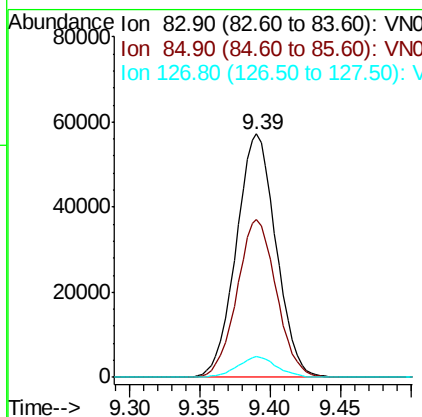
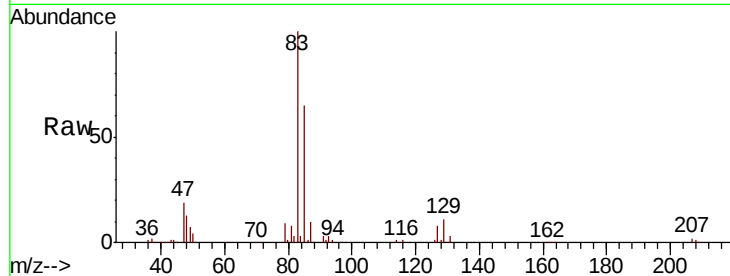
#47  
Bromodichloromethane  
Concen: 22.733 ug/l  
RT: 9.39 min Scan# 2369  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 113042 |       |       |
| 85      | 64.7  | 51.5   | 77.3  |       |
| 127     | 8.4   | 6.6    | 10.0  |       |

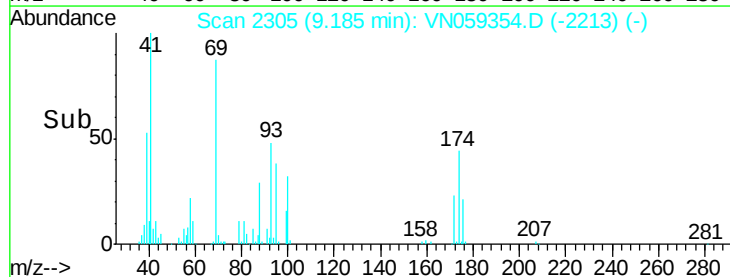
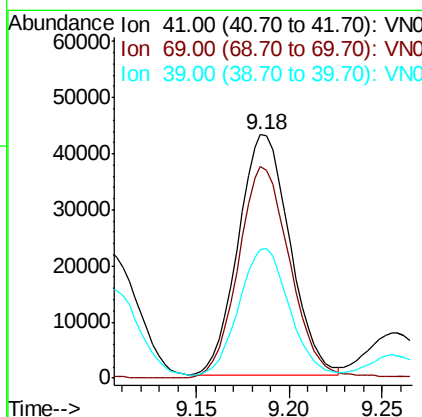
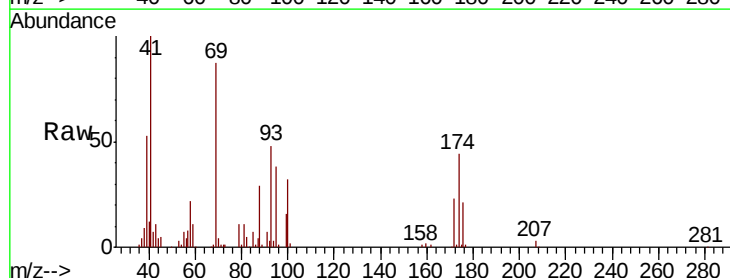
Manual Integrations  
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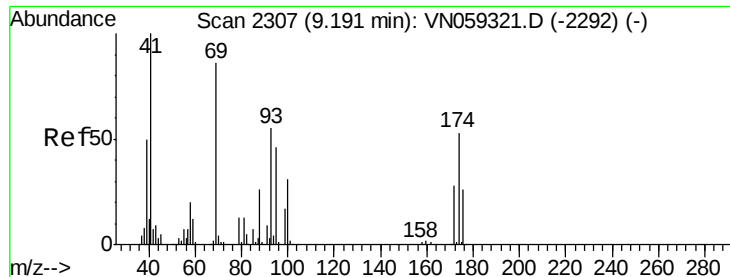
MMDadoda  
11/26/2019 2:43:14 PM



#48  
Methyl methacrylate  
Concen: 21.452 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 82872 |       |       |
| 69      | 88.3  | 68.8  | 103.2 |       |
| 39      | 53.3  | 42.1  | 63.1  |       |





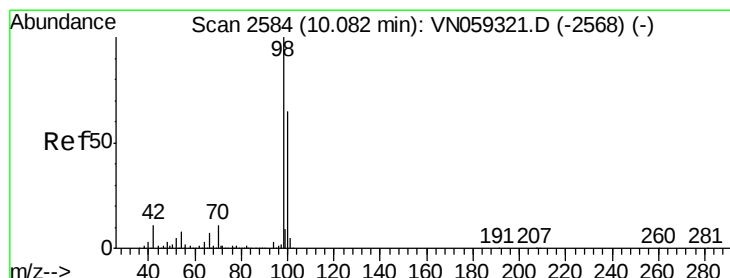
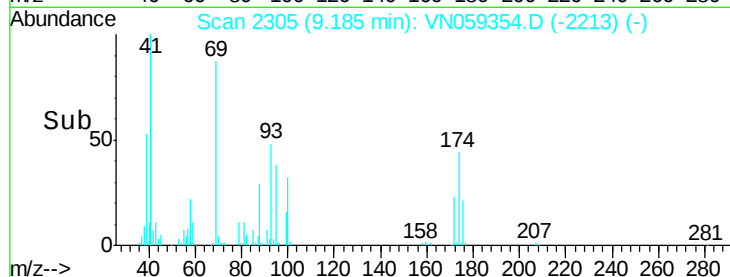
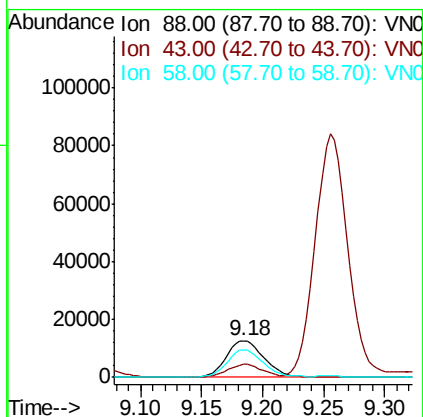
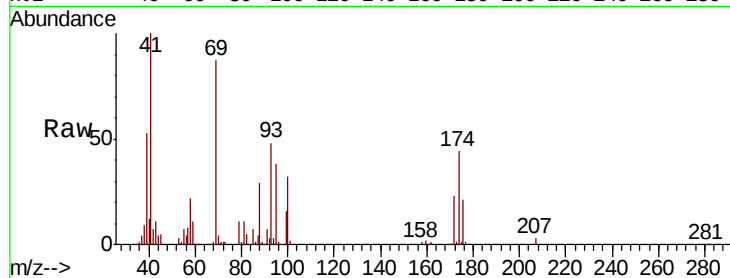
#49  
1,4-Dioxane  
Concen: 470.283 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.01 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.4  | 26.9  | 40.3  |
| 58      | 72.2  | 59.2  | 88.8  |

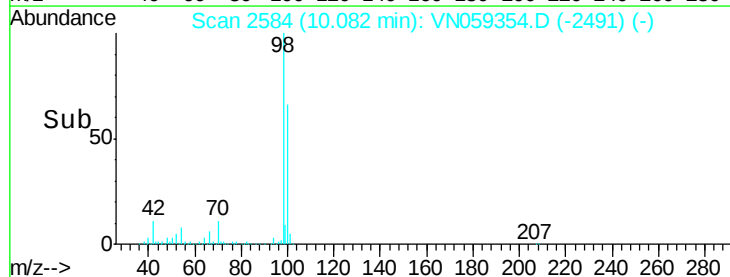
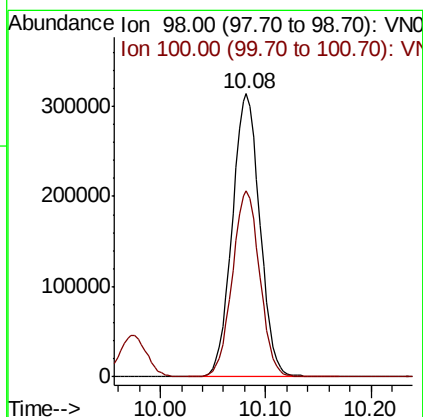
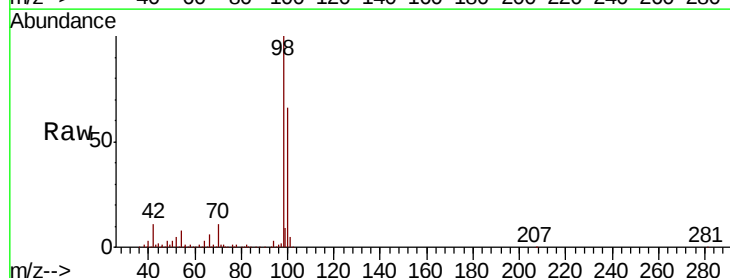
Manual Integrations  
APPROVED

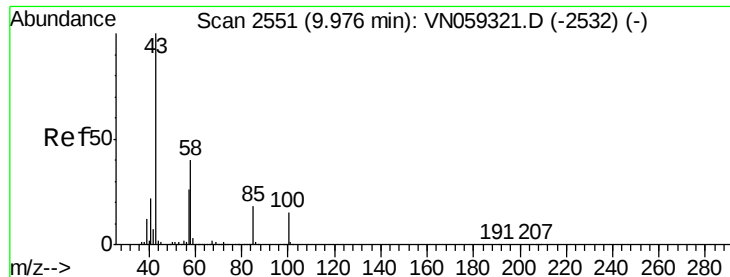
MMDadoda  
11/26/2019 2:43:14 PM



#50  
Toluene-d8  
Concen: 47.624 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.2  | 51.7  | 77.5  |





#51

4-Methyl-2-Pentanone

Concen: 116.288 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 43 Resp: 578230

Ion Ratio Lower Upper

43 100

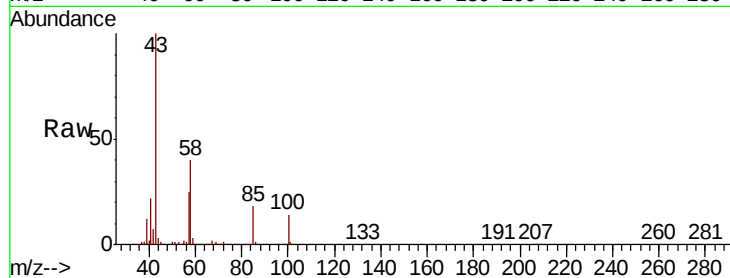
58 39.8 31.8 47.8

Manual Integrations

APPROVED

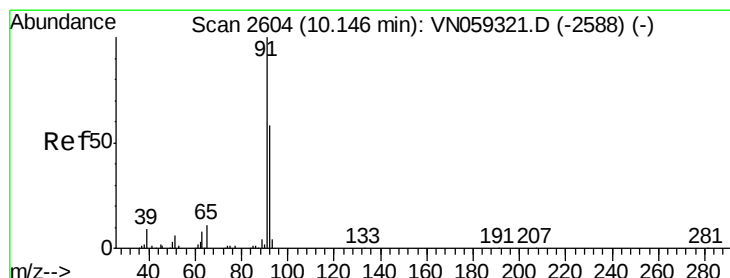
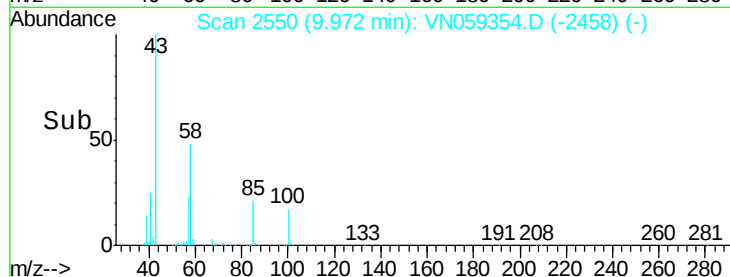
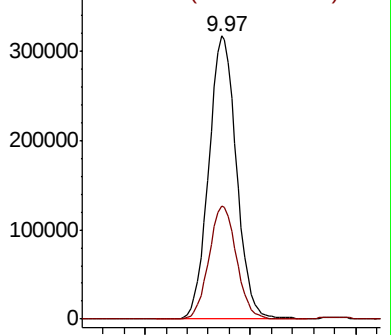
MMDadoda

11/26/2019 2:43:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 23.302 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059354.D

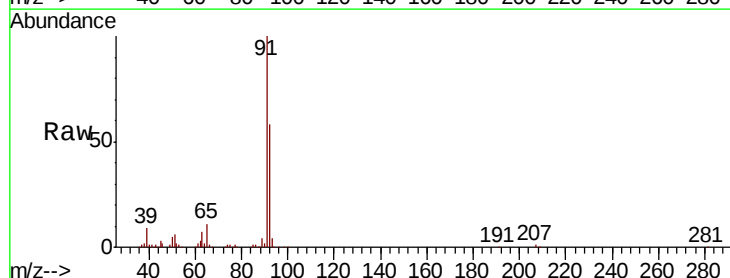
Acq: 22 Nov 2019 11:23

Tgt Ion: 92 Resp: 212690

Ion Ratio Lower Upper

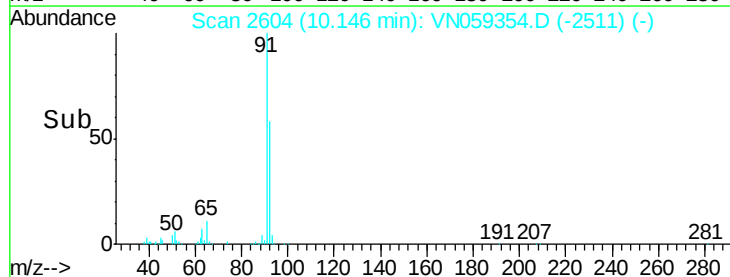
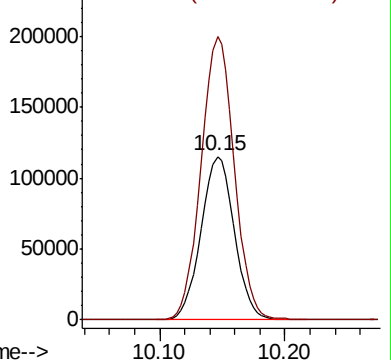
92 100

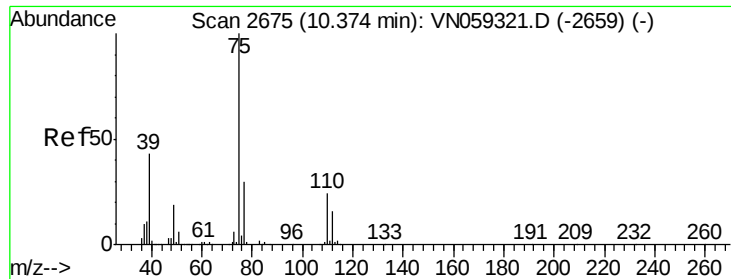
91 172.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





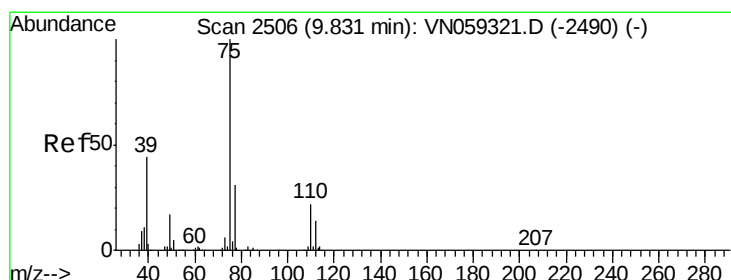
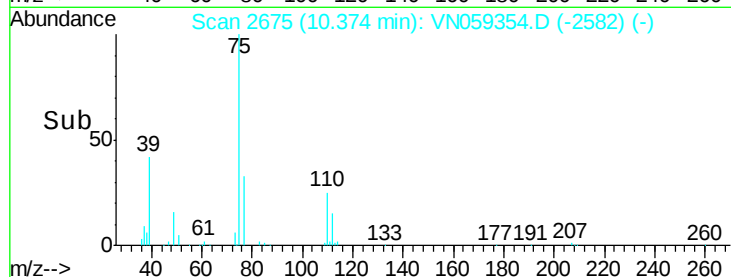
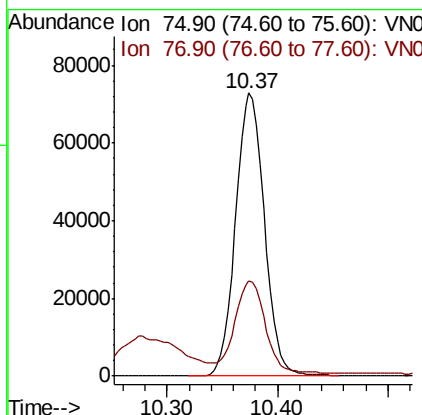
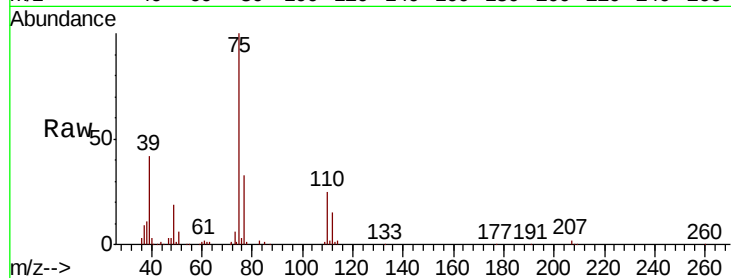
#53  
t-1,3-Dichloropropene  
Concen: 22.873 ug/l  
RT: 10.37 min Scan# 2675  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.4  | 25.5  | 38.3  |

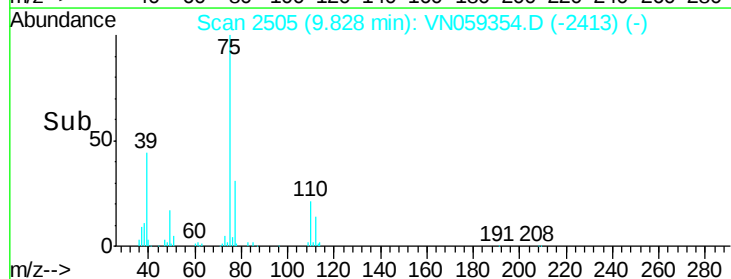
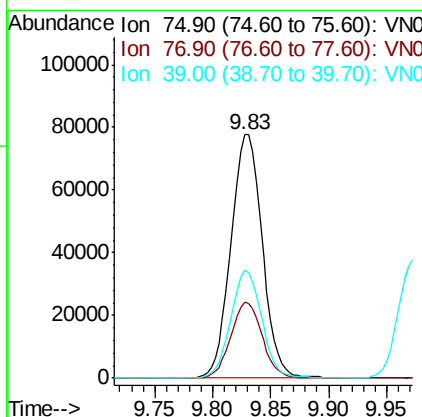
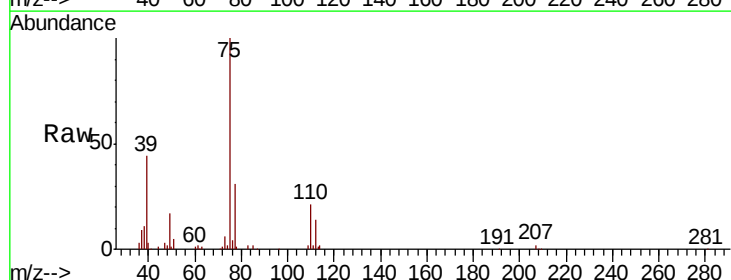
Manual Integrations  
APPROVED

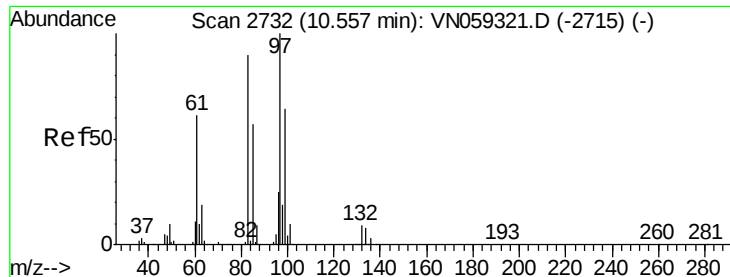
MMDadoda  
11/26/2019 2:43:14 PM



#54  
cis-1,3-Dichloropropene  
Concen: 23.204 ug/l  
RT: 9.83 min Scan# 2505  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 25.0  | 37.4  |
| 39      | 44.2  | 35.5  | 53.3  |





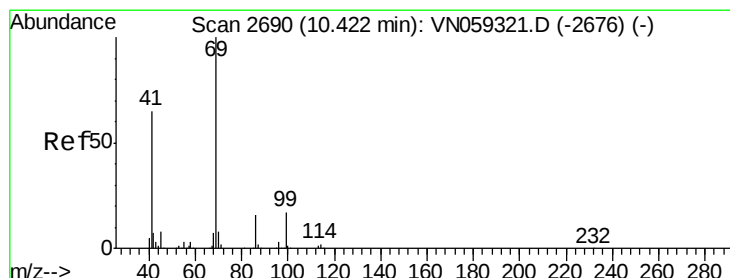
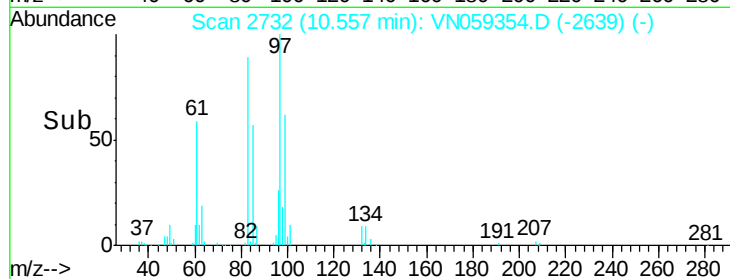
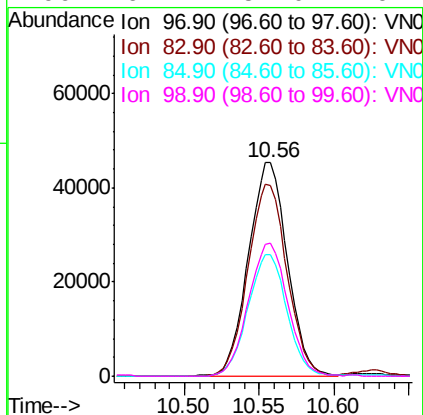
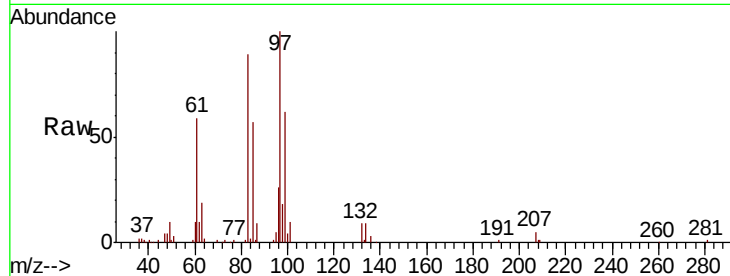
#55  
 1,1,2-Trichloroethane  
 Concen: 23.223 ug/l  
 RT: 10.56 min Scan# 2732  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 82417 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.4  | 72.0  | 108.0 |
| 85       | 56.9  | 45.8  | 68.6  |
| 99       | 62.1  | 51.0  | 76.4  |

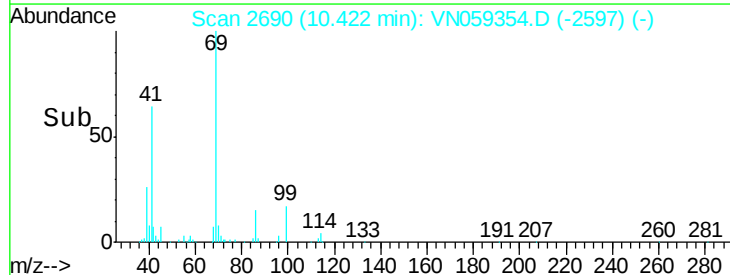
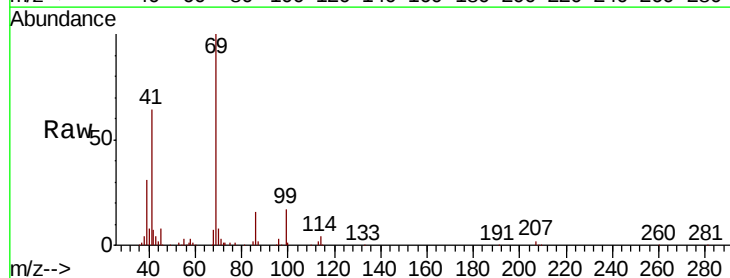
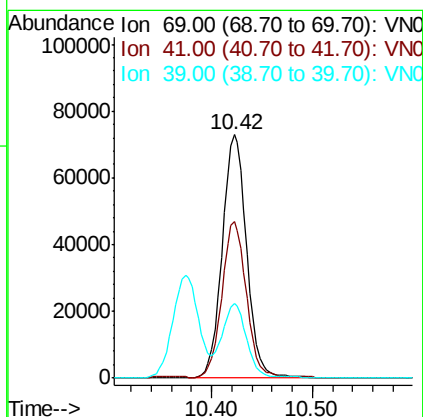
Manual Integrations  
 APPROVED

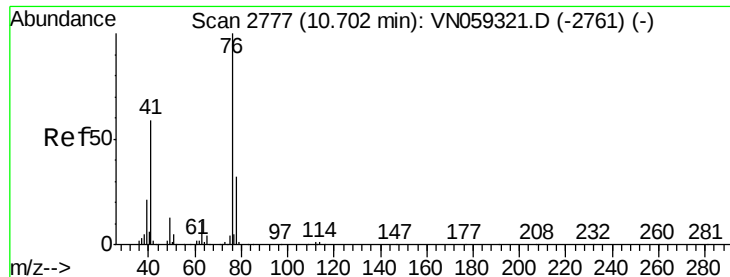
MMDadoda  
 11/26/2019 2:43:14 PM



#56  
 Ethyl methacrylate  
 Concen: 21.896 ug/l  
 RT: 10.42 min Scan# 2690  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 123511 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.7  | 51.7  | 77.5   |
| 39       | 29.9  | 25.2  | 37.8   |





#57

1,3-Dichloropropane

Concen: 23.264 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 76 Resp: 143895

Ion Ratio Lower Upper

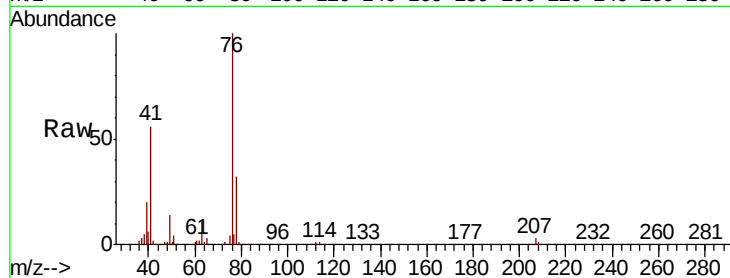
76 100

78 32.0 26.0 39.0

Manual Integrations  
APPROVED

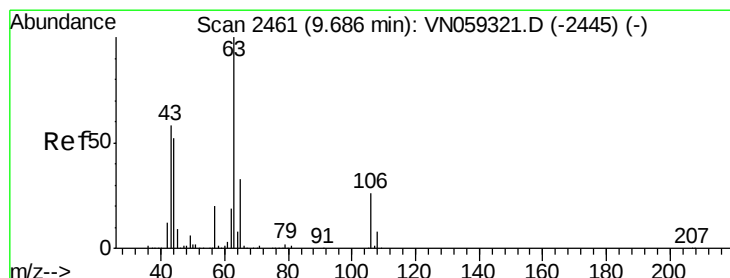
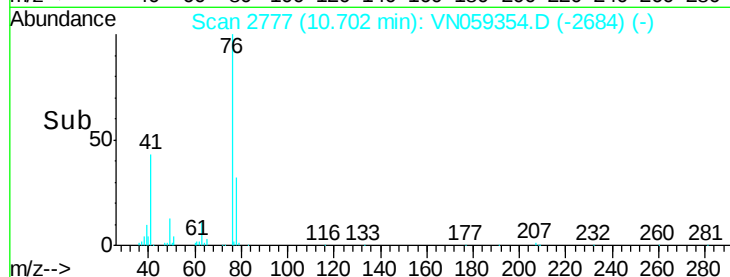
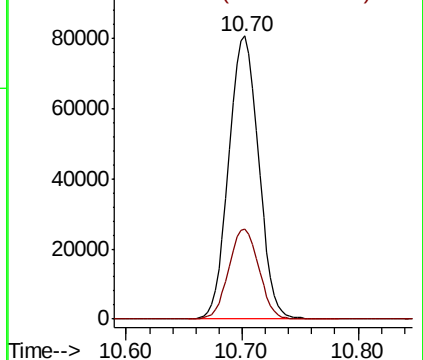
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.579 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059354.D

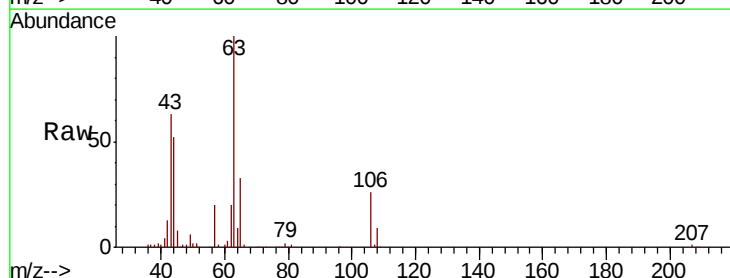
Acq: 22 Nov 2019 11:23

Tgt Ion: 63 Resp: 176210

Ion Ratio Lower Upper

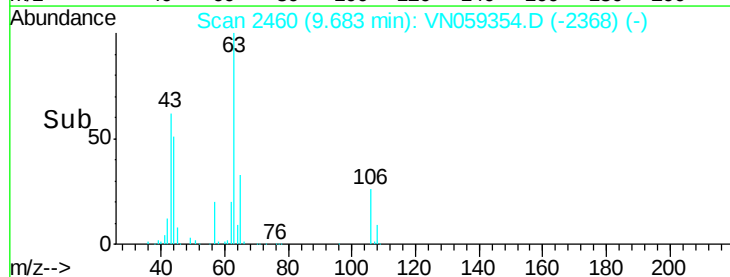
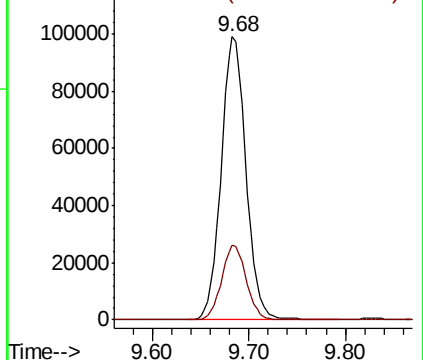
63 100

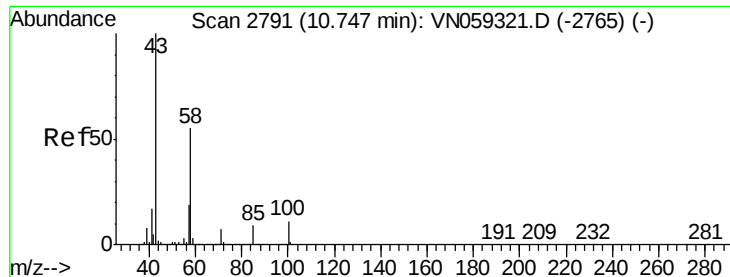
106 26.1 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





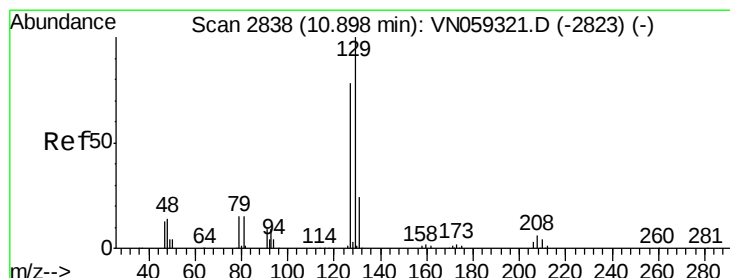
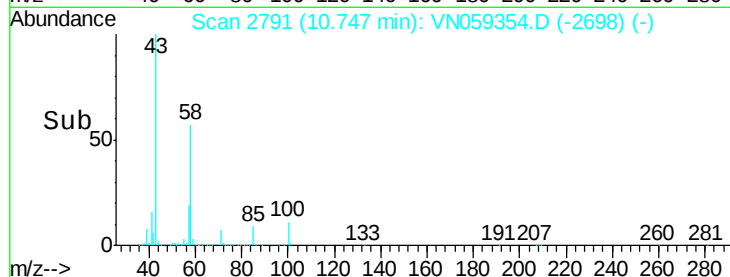
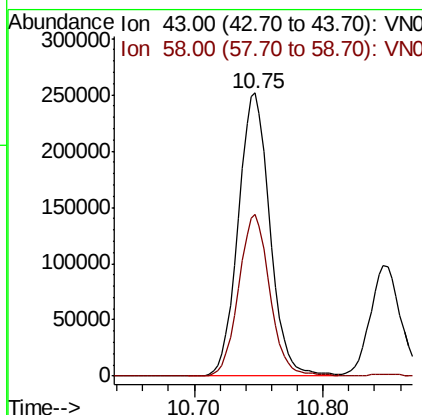
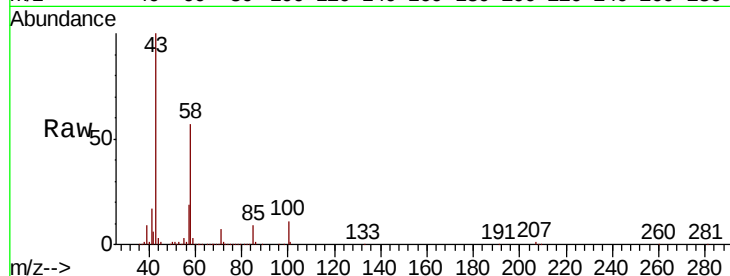
#59  
2-Hexanone  
Concen: 118.165 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

Tot Ion: 43 Resp: 430239  
Ion Ratio Lower Upper  
43 100  
58 56.2 27.7 83.0

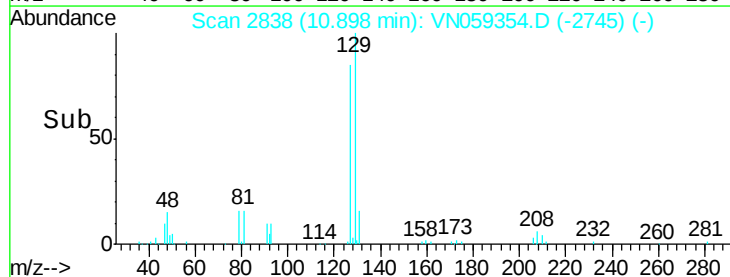
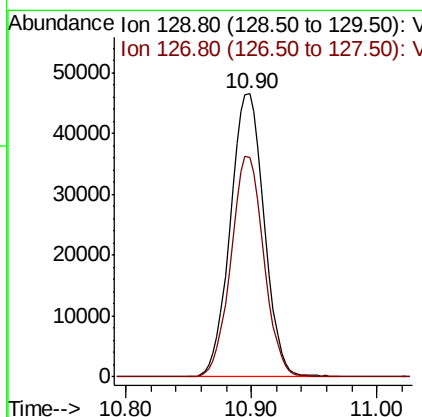
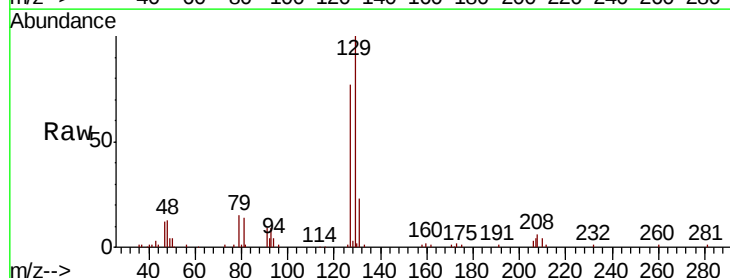
Manual Integrations  
APPROVED

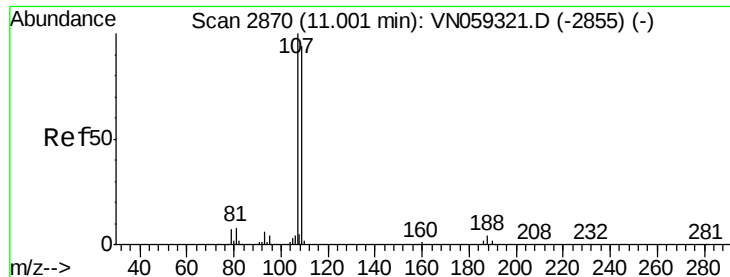
MMDadoda  
11/26/2019 2:43:14 PM



#60  
Dibromochloromethane  
Concen: 23.321 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Tgt Ion: 129 Resp: 87213  
Ion Ratio Lower Upper  
129 100  
127 75.5 38.5 115.5





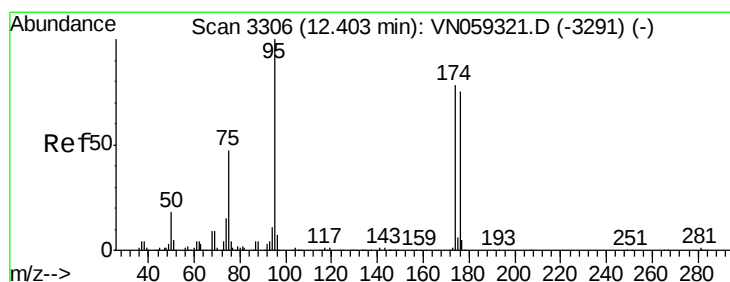
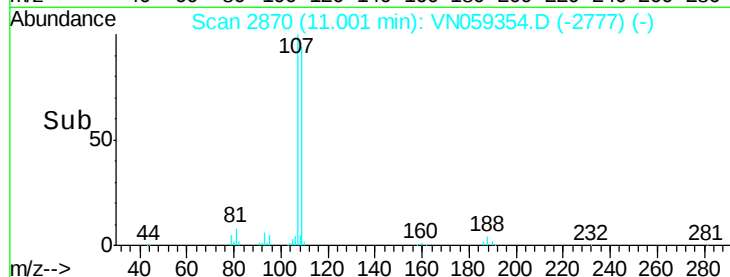
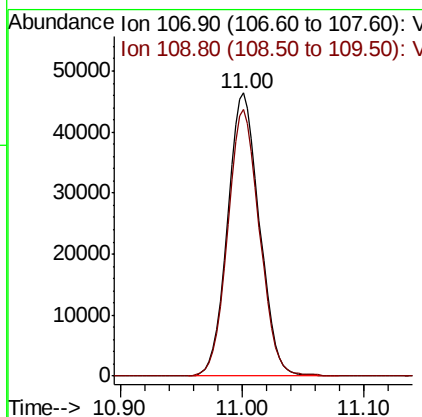
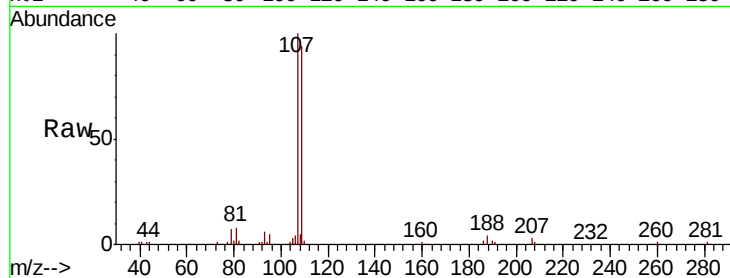
#61  
1,2-Dibromoethane  
Concen: 22.871 ug/l  
RT: 11.00 min Scan# 2870  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

Tot Ion:107 Resp: 84454  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.4 113.2

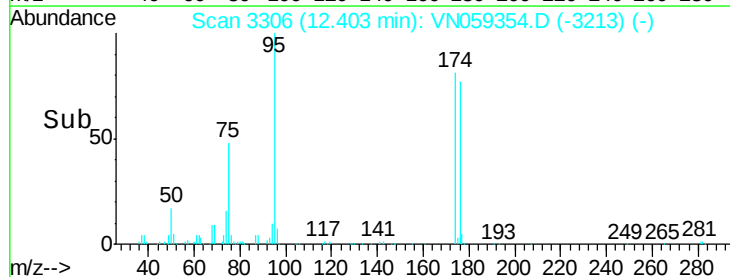
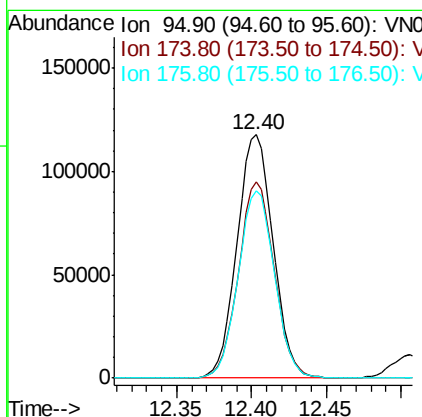
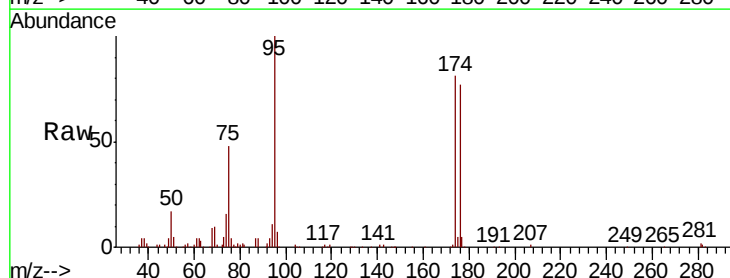
Manual Integrations  
APPROVED

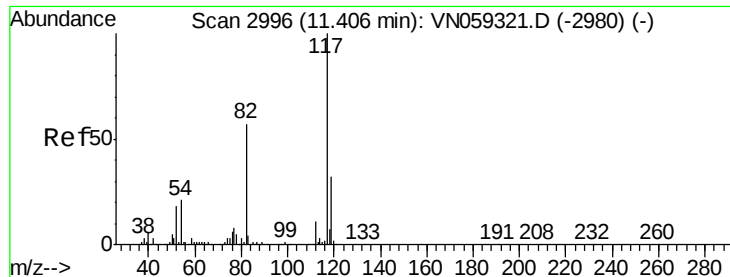
MMDadoda  
11/26/2019 2:43:14 PM



#62  
4-Bromofluorobenzene  
Concen: 47.400 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Tgt Ion: 95 Resp: 198040  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 157.4  
176 77.3 0.0 151.2





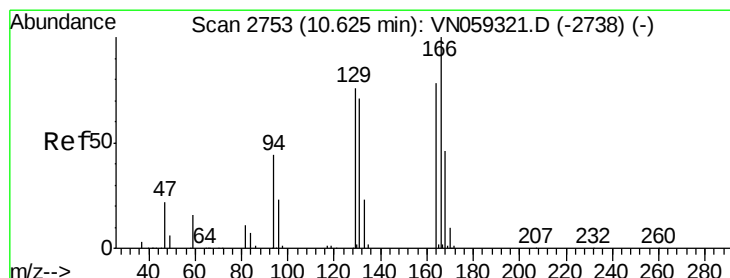
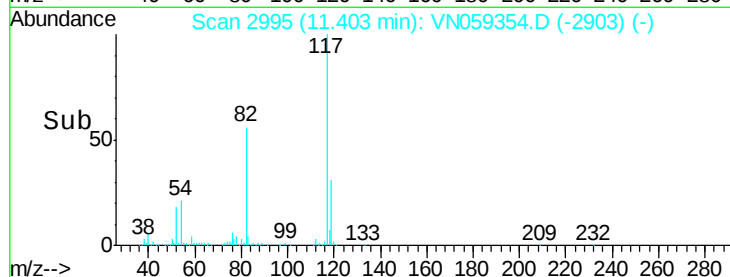
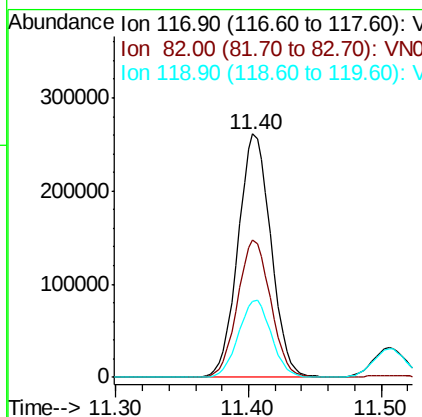
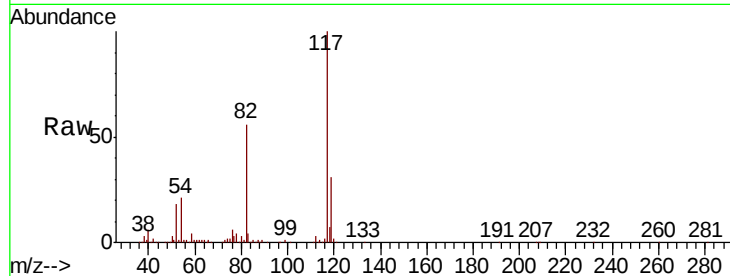
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.3  | 45.7  | 68.5  |
| 119     | 31.4  | 25.8  | 38.6  |

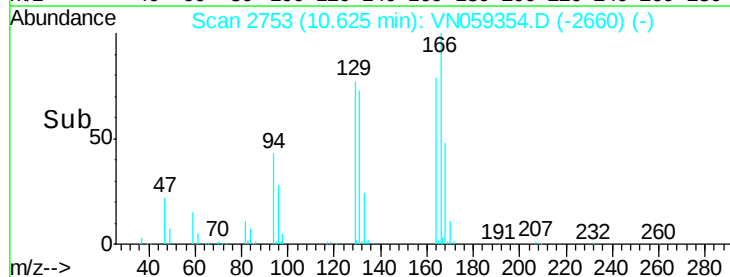
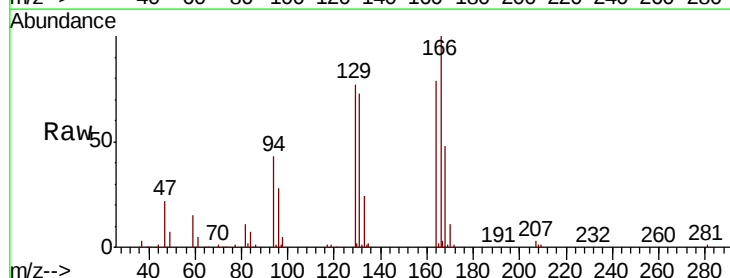
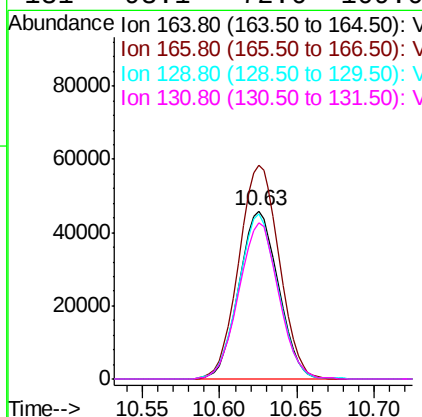
Manual Integrations  
APPROVED

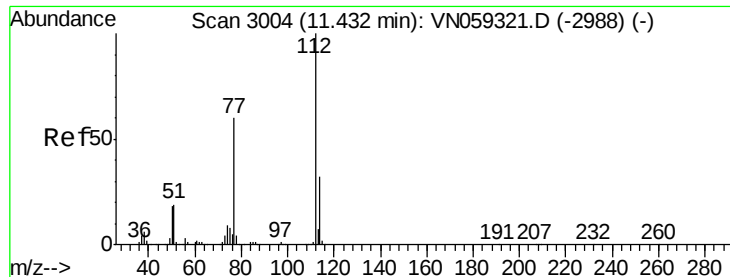
MMDadoda  
11/26/2019 2:43:14 PM



#64  
Tetrachloroethene  
Concen: 23.383 ug/l  
RT: 10.63 min Scan# 2753  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.2 | 102.9 | 154.3 |
| 129     | 98.2  | 78.2  | 117.2 |
| 131     | 93.1  | 72.6  | 109.0 |





#65

Chlorobenzene

Concen: 22.757 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion:112 Resp: 220424

Ion Ratio Lower Upper

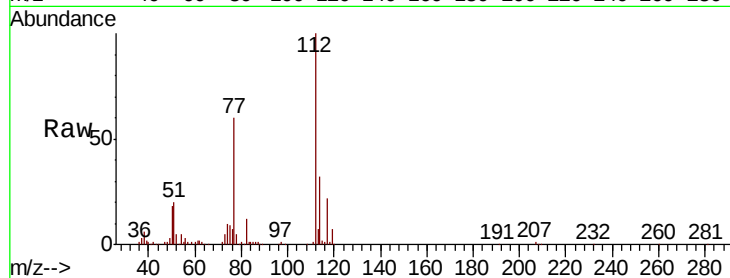
112 100

114 32.1 25.8 38.6

Manual Integrations  
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

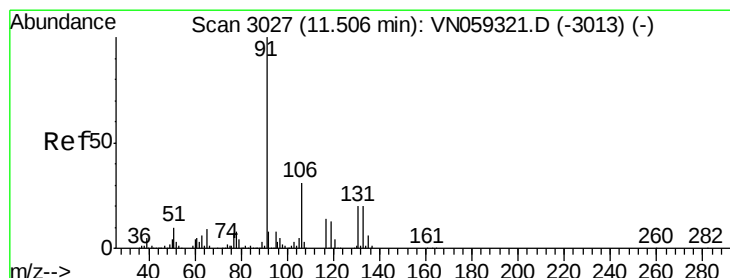
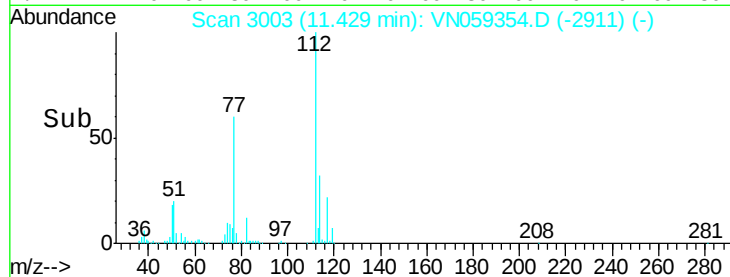
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.854 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

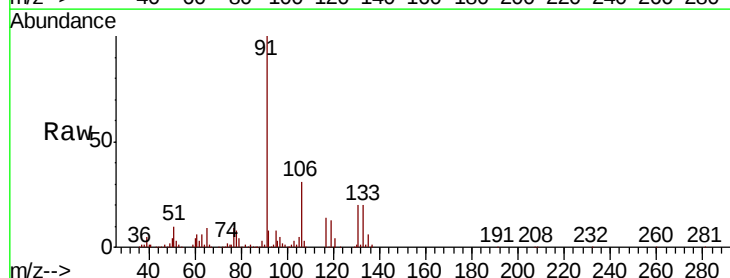
Tgt Ion:131 Resp: 80420

Ion Ratio Lower Upper

131 100

133 97.4 48.2 144.6

119 66.7 33.6 100.6



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

11.51

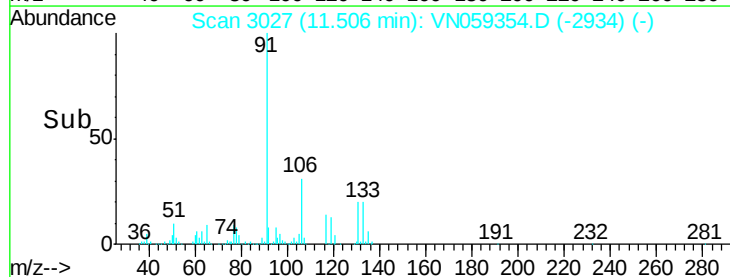
60000

40000

20000

0

Time-->





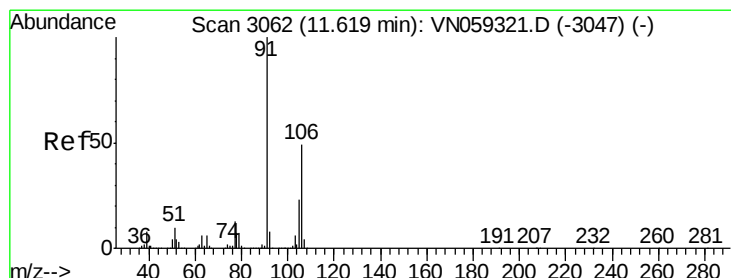
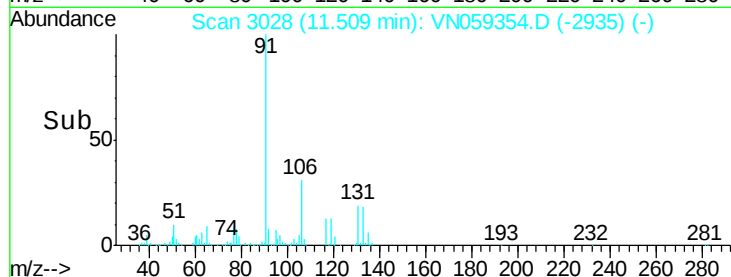
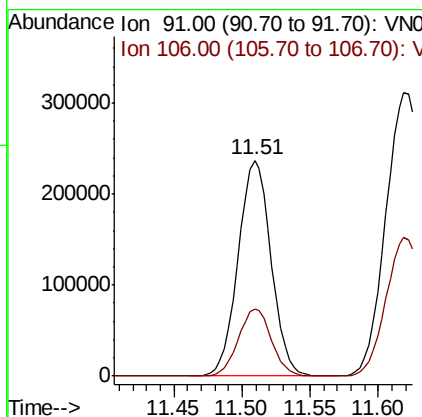
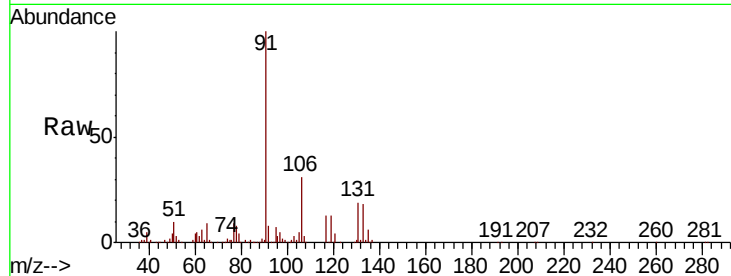
#67  
Ethyl Benzene  
Concen: 22.964 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

Tot Ion: 91 Resp: 397144  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.6 37.0

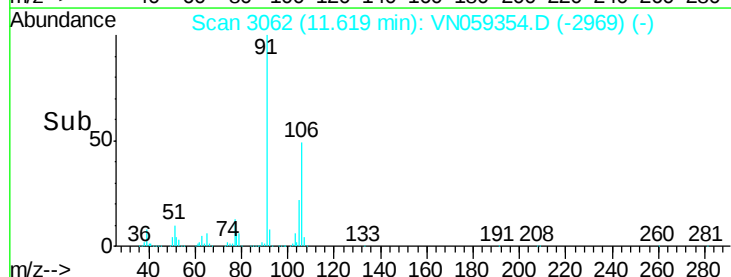
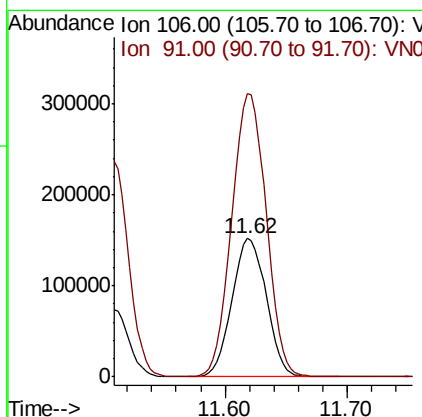
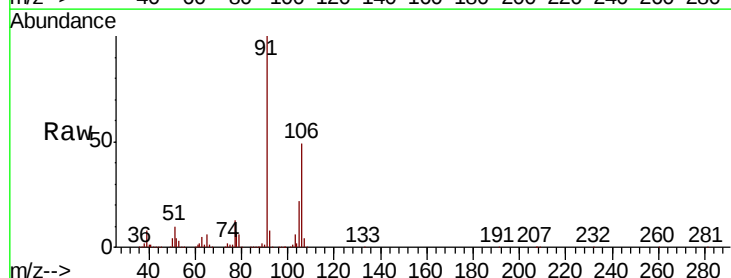
Manual Integrations  
APPROVED

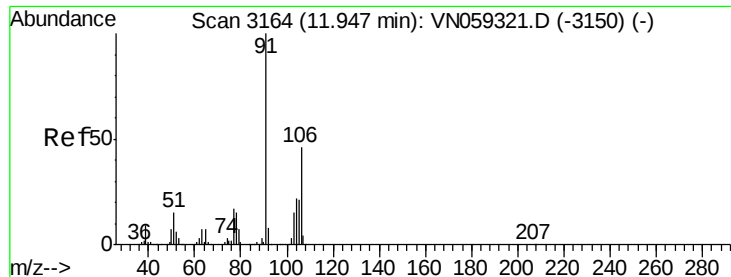
MMDadoda  
11/26/2019 2:43:14 PM



#68  
m/p-Xylenes  
Concen: 46.239 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Tgt Ion: 106 Resp: 297143  
Ion Ratio Lower Upper  
106 100  
91 205.2 163.2 244.8





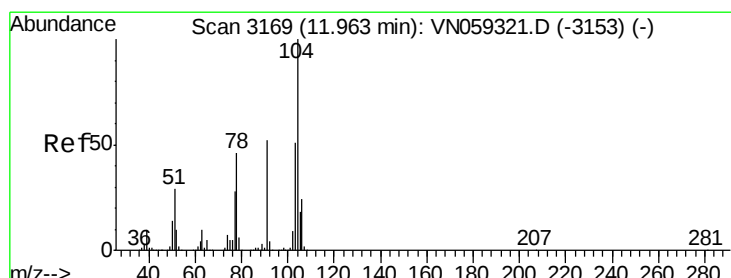
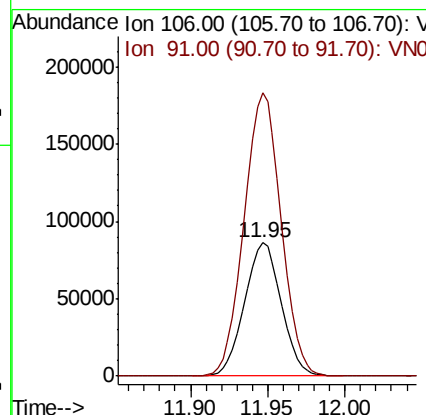
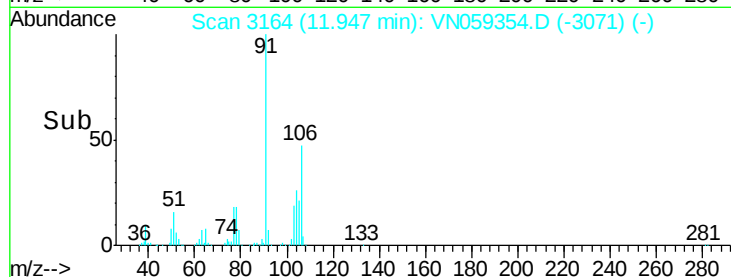
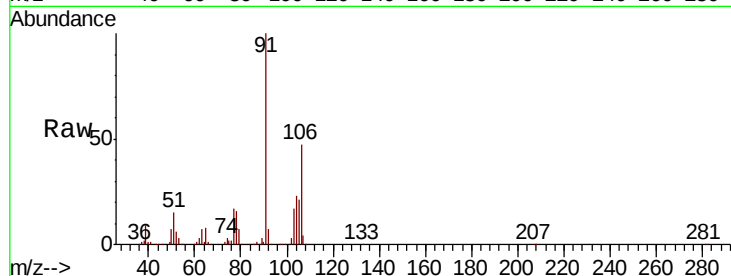
#69  
o-Xylene  
Concen: 23.183 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 142625 |       |       |
| 91      | 91  | 214.0 | 109.3  | 327.9 |       |

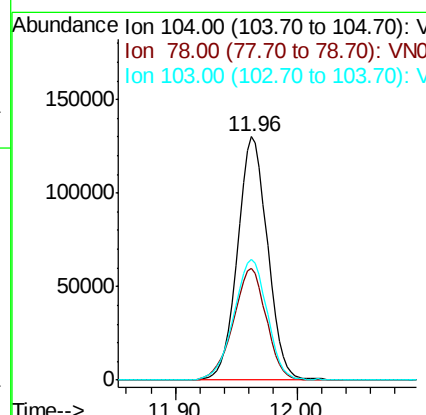
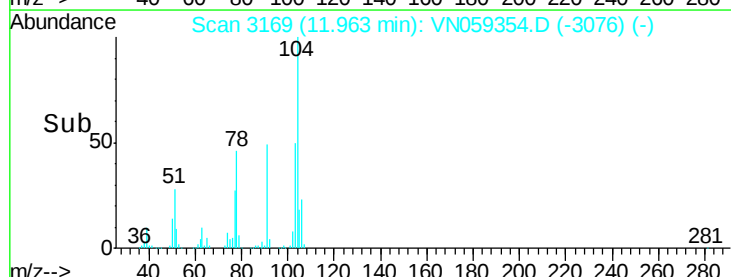
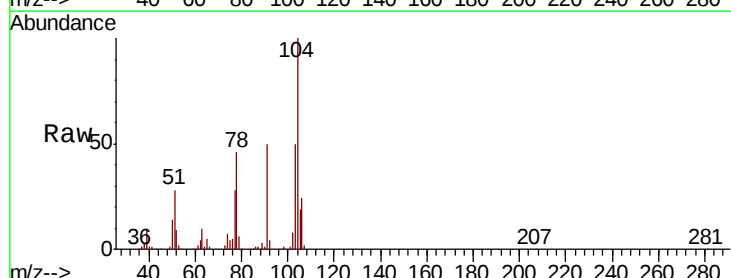
Manual Integrations  
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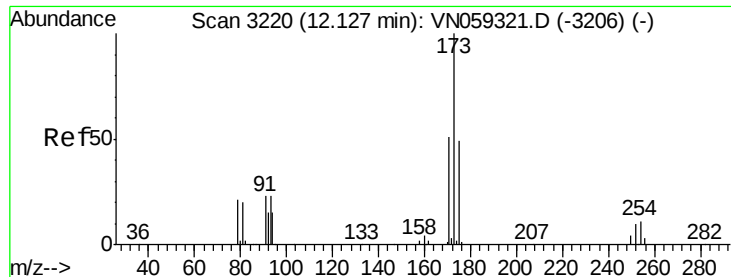
MMDadoda  
11/26/2019 2:43:14 PM



#70  
Styrene  
Concen: 22.929 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 222583 |       |       |
| 78      | 78  | 50.6  | 40.3   | 60.5  |       |
| 103     | 103 | 55.3  | 43.6   | 65.4  |       |





#71

Bromoform

Concen: 22.489 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

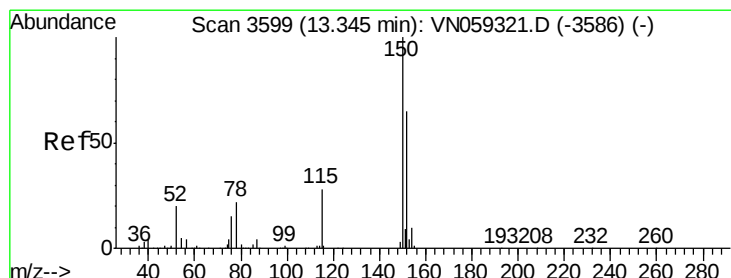
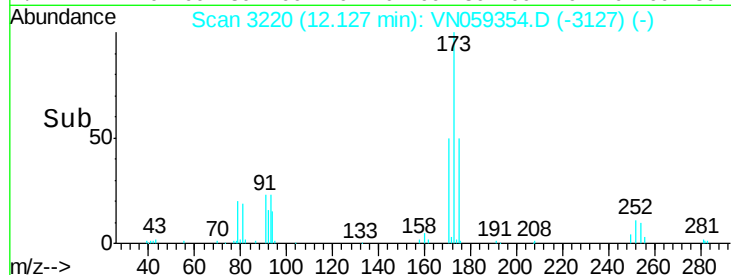
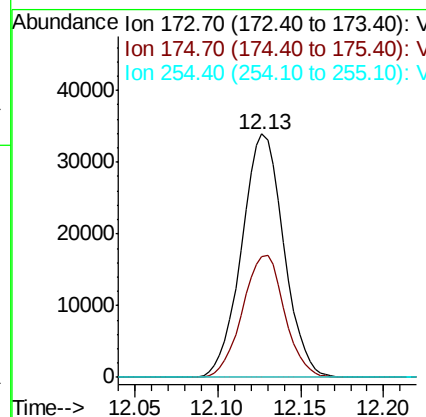
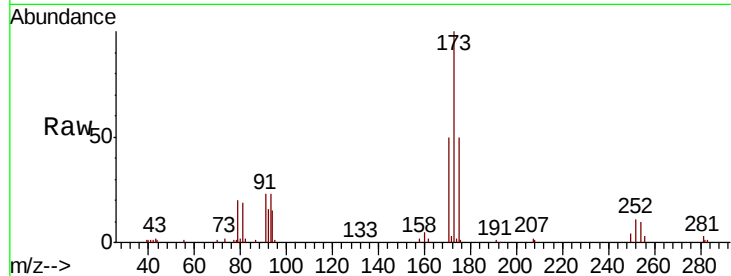
ClientSampleId :

VN1122MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 59931 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.9  | 24.6  | 73.6  |
| 254       | 0.0   | 0.1   | 0.1#  |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

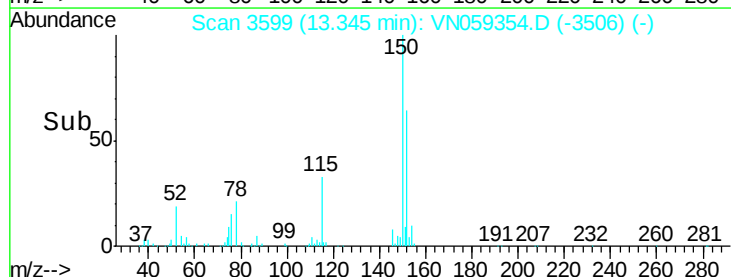
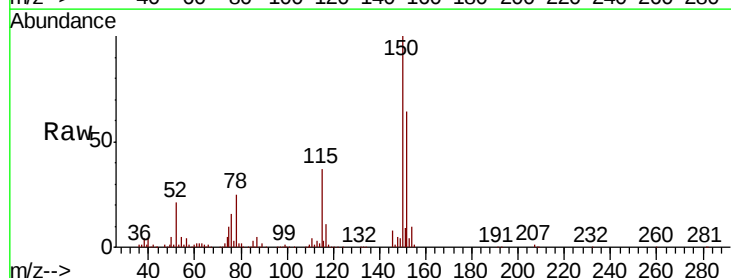
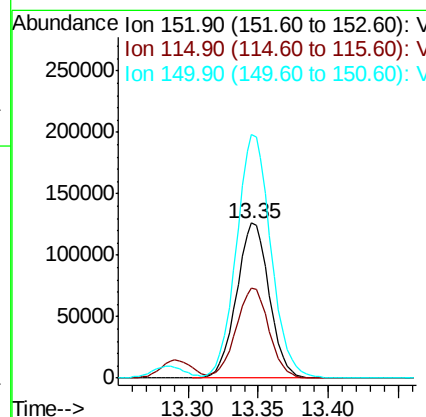
RT: 13.35 min Scan# 3599

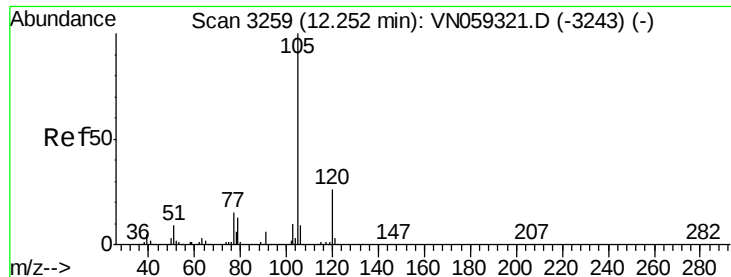
Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 205031 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 58.9  | 29.3  | 88.0   |
| 150       | 165.3 | 0.0   | 346.0  |





#73

Isopropylbenzene

Concen: 22.816 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 105 Resp: 383213

Ion Ratio Lower Upper

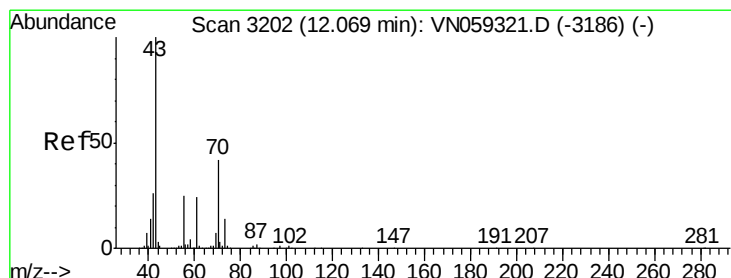
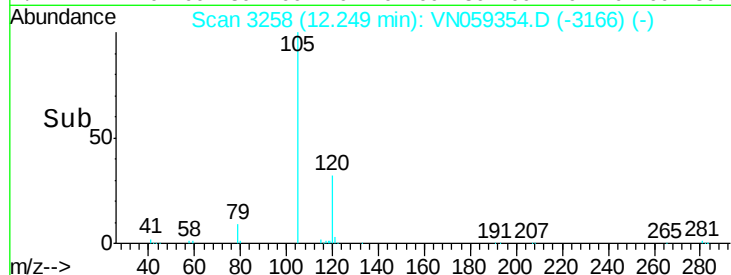
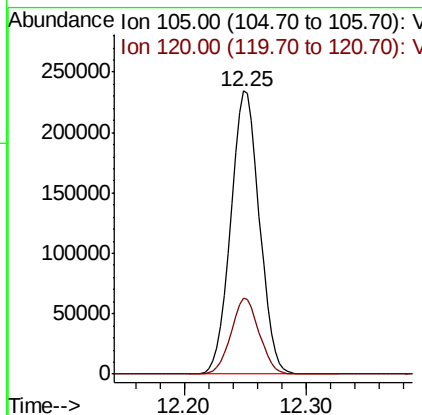
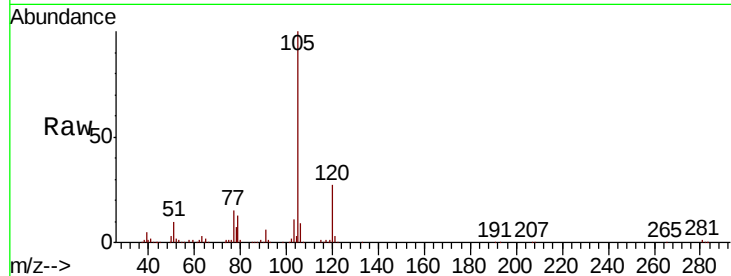
105 100

120 26.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.993 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Tgt Ion: 43 Resp: 141703

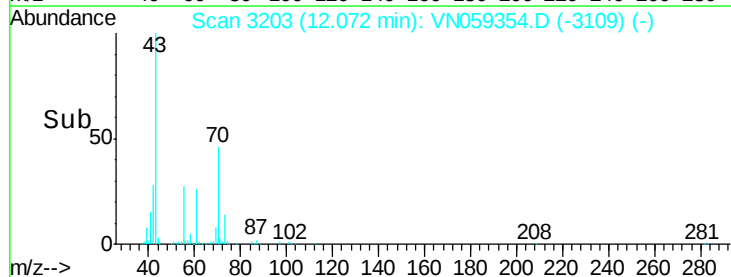
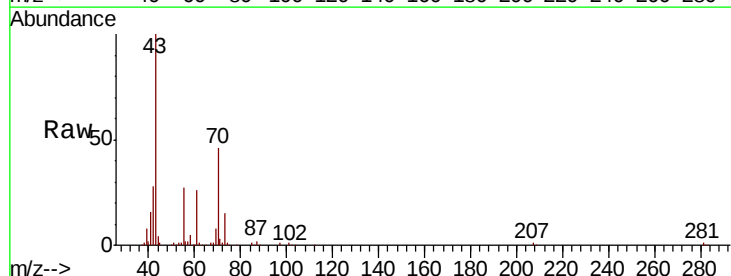
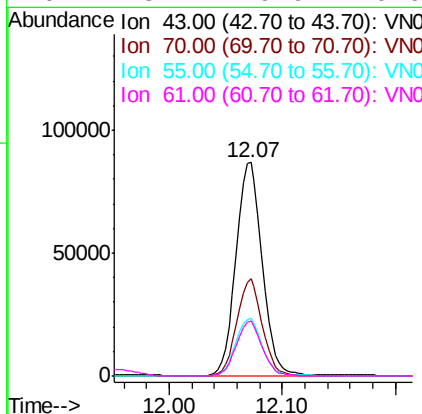
Ion Ratio Lower Upper

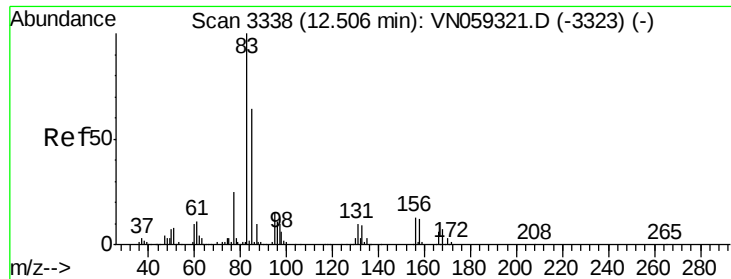
43 100

70 43.9 33.8 50.6

55 27.1 20.3 30.5

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.613 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

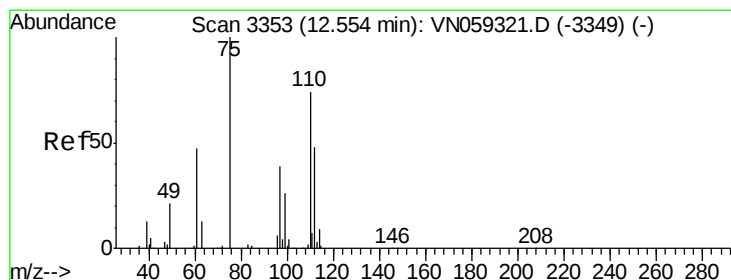
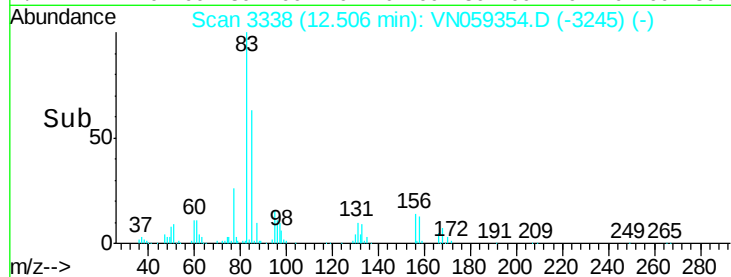
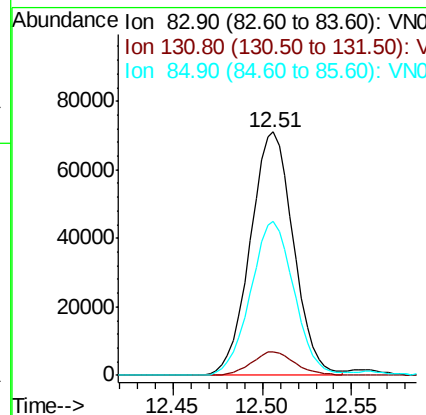
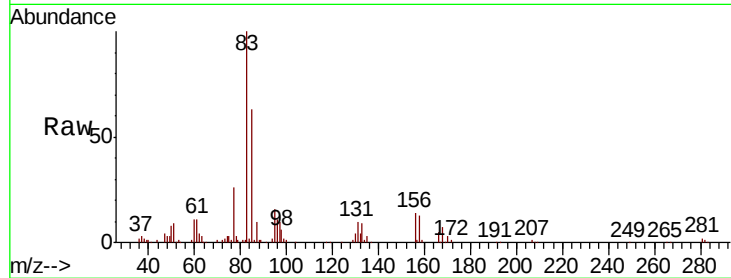
ClientSampleId :

VN1122MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 120081 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.7   | 5.0   | 14.9   |
| 85        | 63.6  | 32.1  | 96.3   |

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#76

1,2,3-Trichloropropane

Concen: 23.310 ug/l m

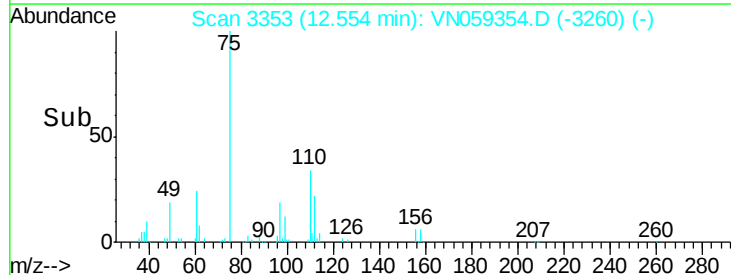
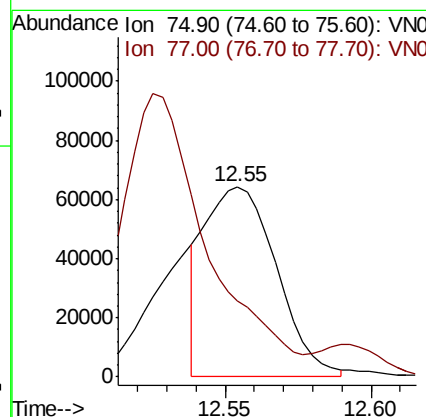
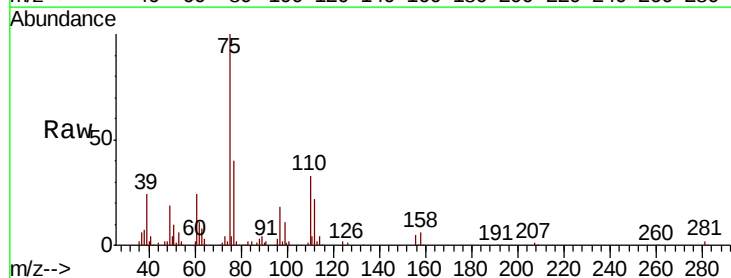
RT: 12.55 min Scan# 3353

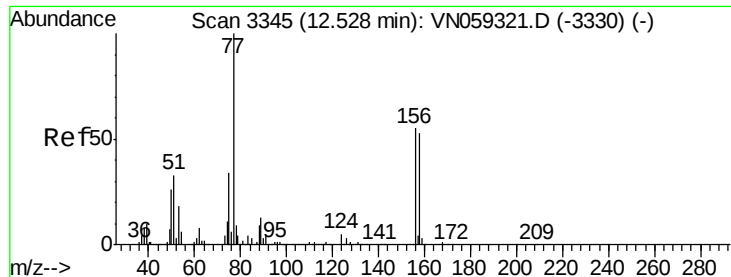
Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 110414 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 22.464 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

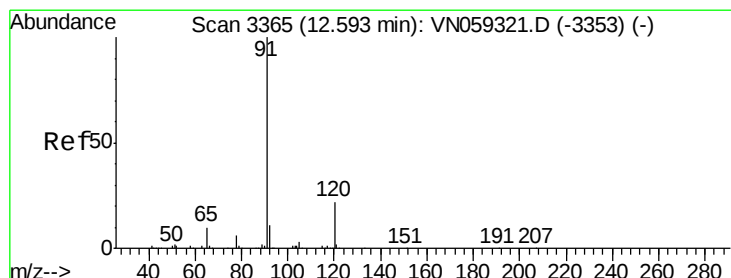
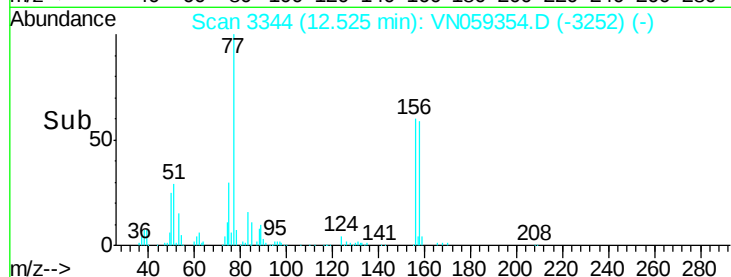
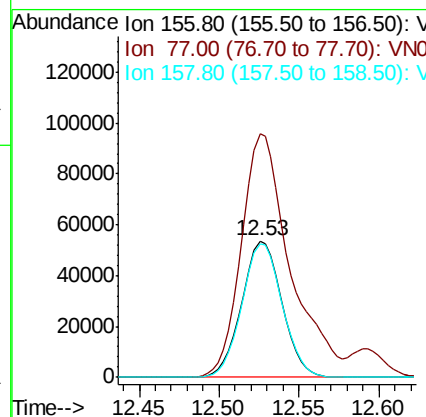
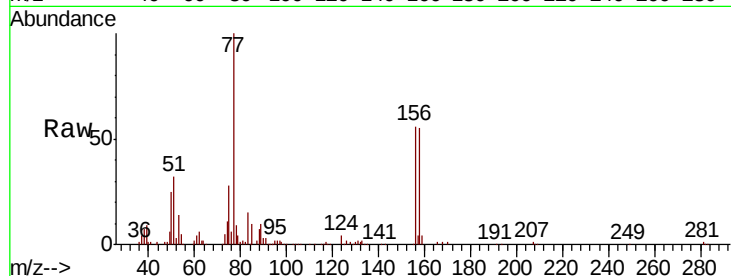
ClientSampleId :

VN1122MBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 91515 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 217.5 | 111.1 | 333.4 |
| 158       | 98.5  | 47.8  | 143.4 |

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#78

n-propylbenzene

Concen: 23.143 ug/l

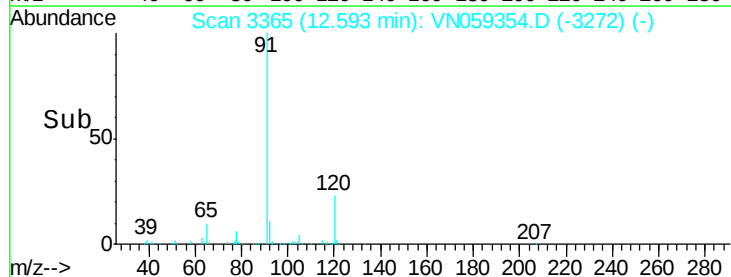
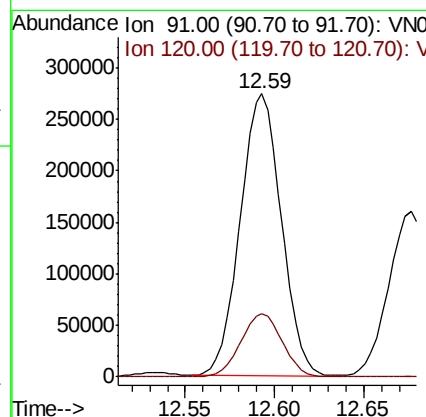
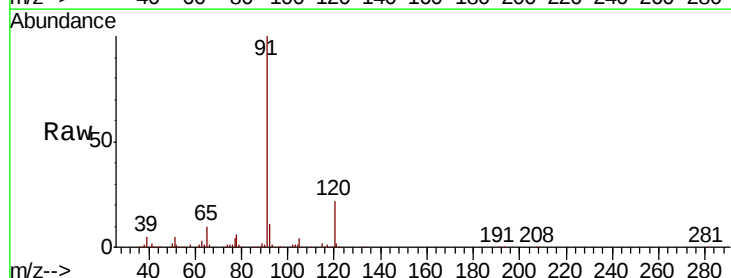
RT: 12.59 min Scan# 3365

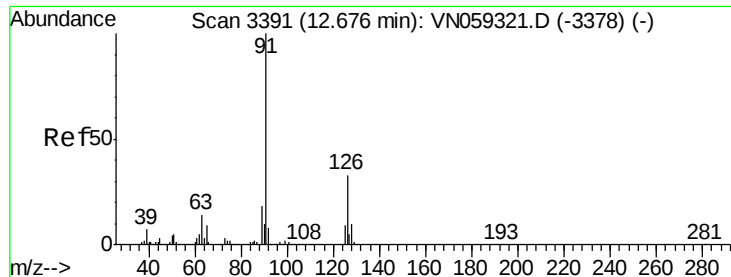
Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 440296 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.6  | 11.3  | 33.9   |





#79

2-Chlorotoluene

Concen: 22.394 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion: 91 Resp: 261518

Ion Ratio Lower Upper

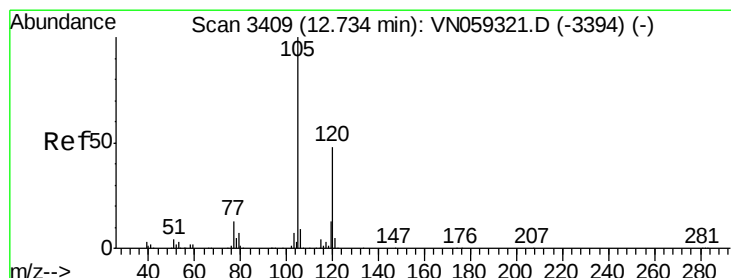
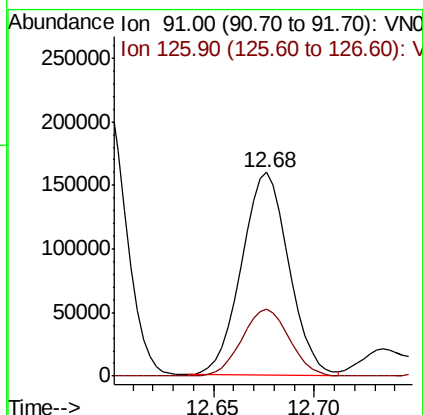
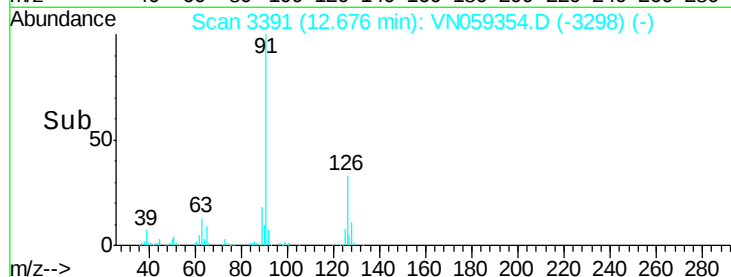
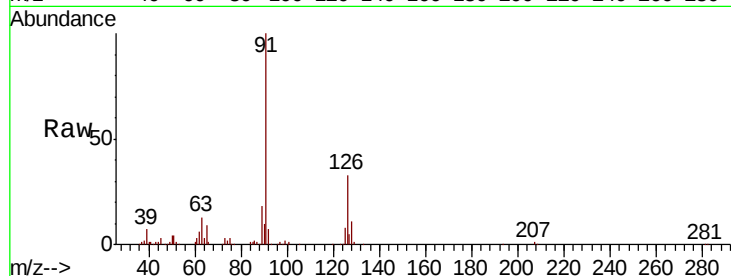
91 100

126 33.5 16.7 50.1

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#80

1,3,5-Trimethylbenzene

Concen: 22.574 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059354.D

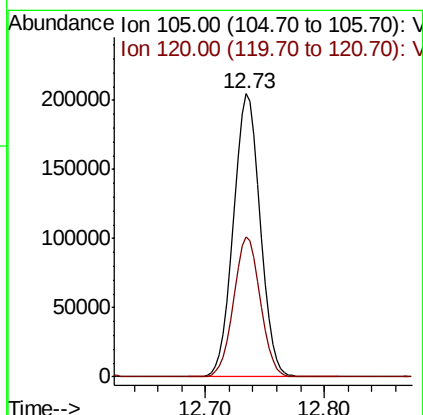
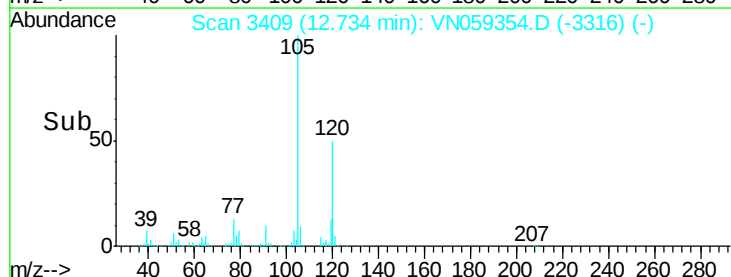
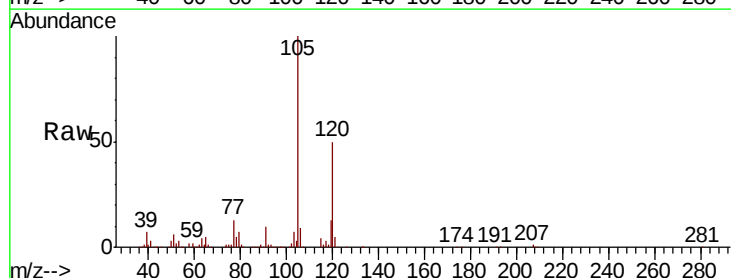
Acq: 22 Nov 2019 11:23

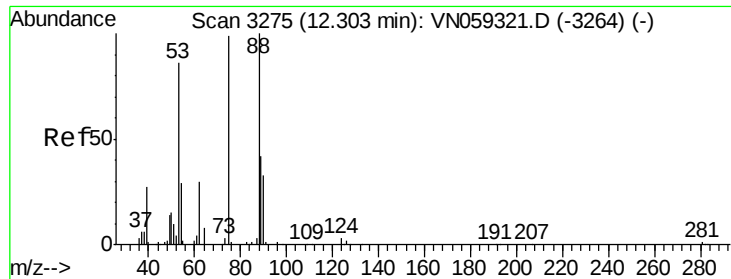
Tgt Ion: 105 Resp: 318719

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.4





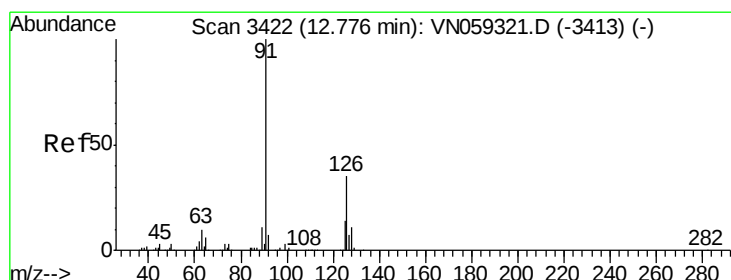
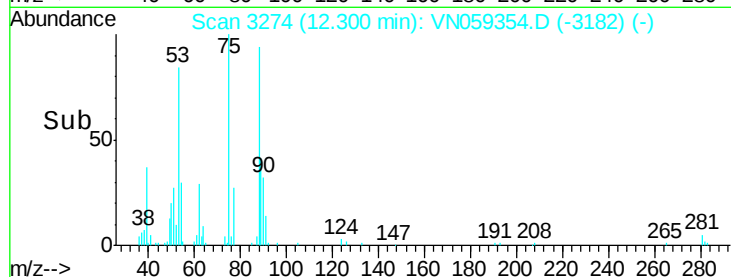
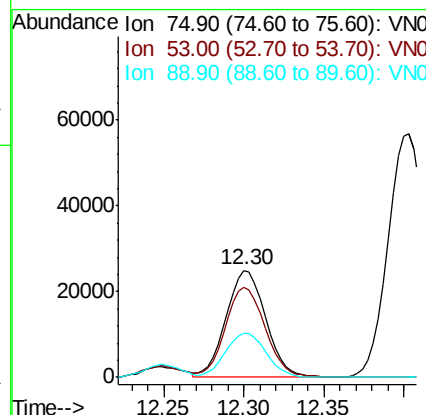
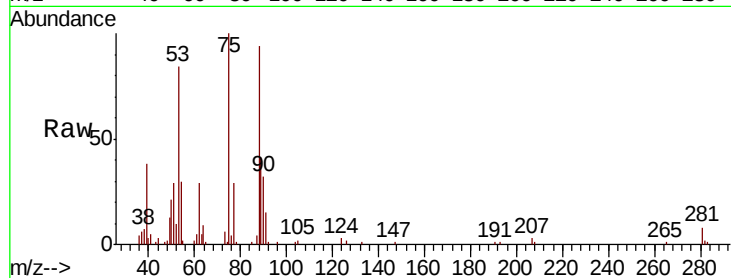
#81  
trans-1,4-Dichloro-2-butene  
Concen: 22.477 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 83.9  | 70.7  | 106.1 |
| 89      | 42.3  | 35.4  | 53.0  |

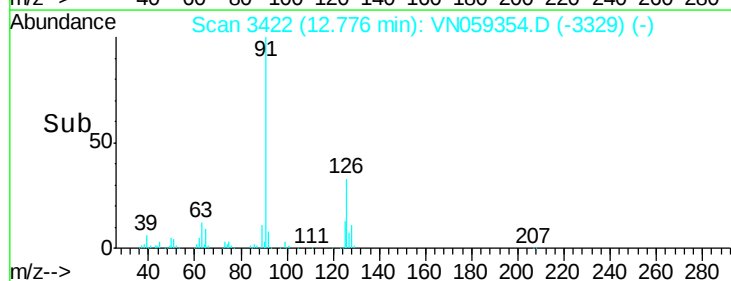
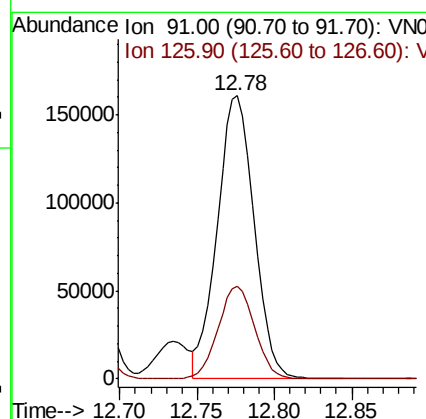
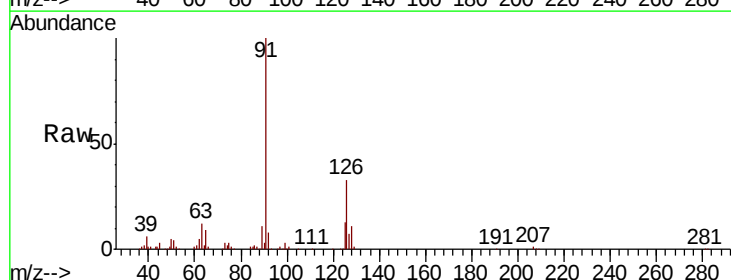
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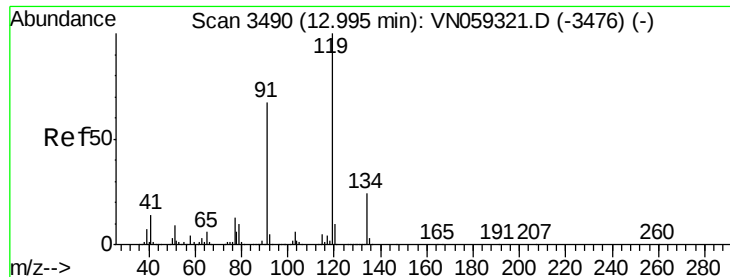
MMDadoda  
11/26/2019 2:43:14 PM



#82  
4-Chlorotoluene  
Concen: 21.943 ug/l  
RT: 12.78 min Scan# 3422  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.5  | 16.2  | 48.6  |





#83

tert-Butylbenzene

Concen: 22.865 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

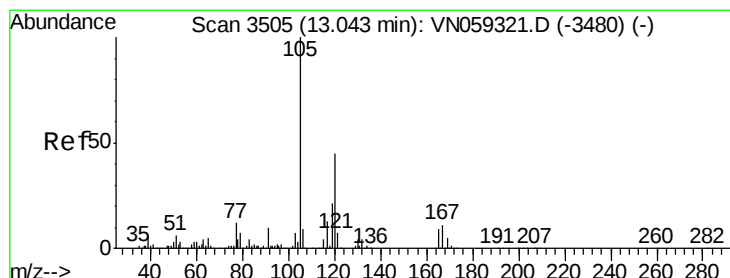
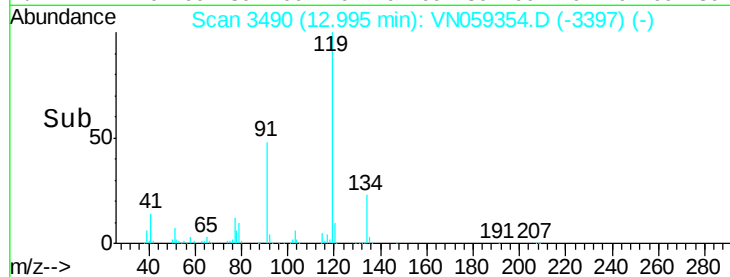
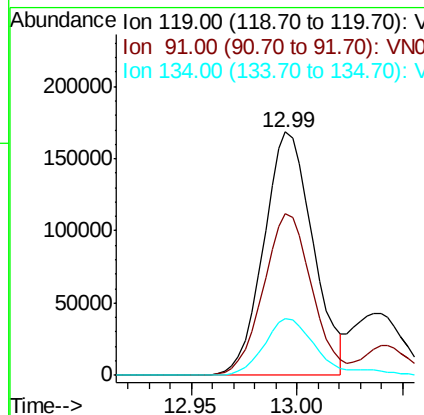
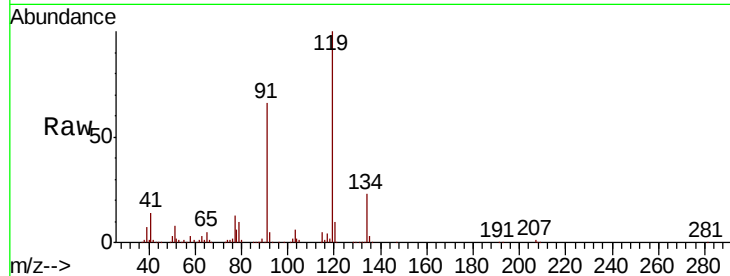
ClientSampleId :

VN1122MBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 272657 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 65.4  | 32.8  | 98.4   |
| 134       | 23.7  | 13.0  | 38.9   |

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#84

1,2,4-Trimethylbenzene

Concen: 22.810 ug/l

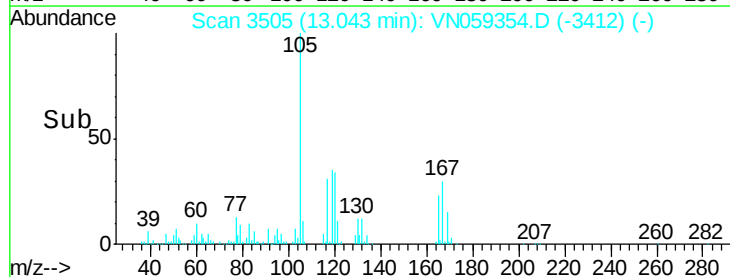
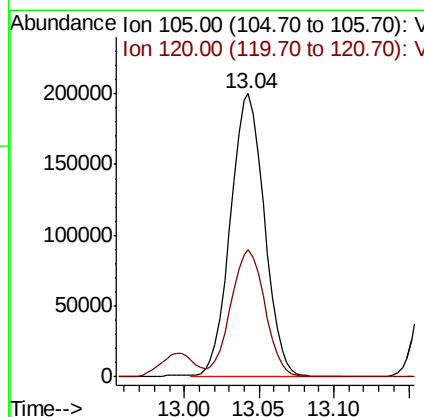
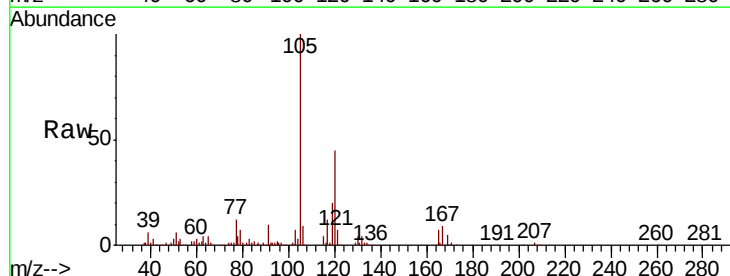
RT: 13.04 min Scan# 3505

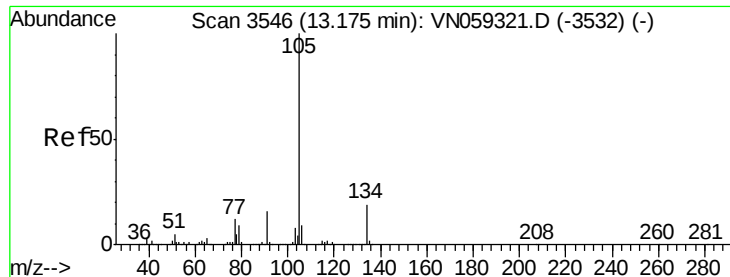
Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 315479 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.4  | 22.6  | 67.8   |





#85

sec-Butylbenzene

Concen: 22.755 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1122MBS01

Tot Ion:105 Resp: 364698

Ion Ratio Lower Upper

105 100

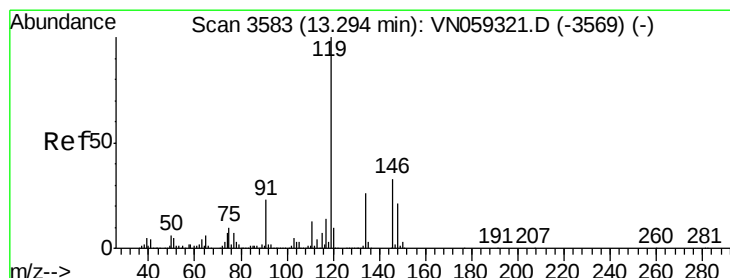
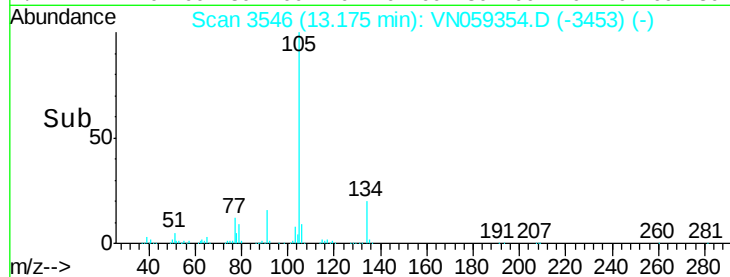
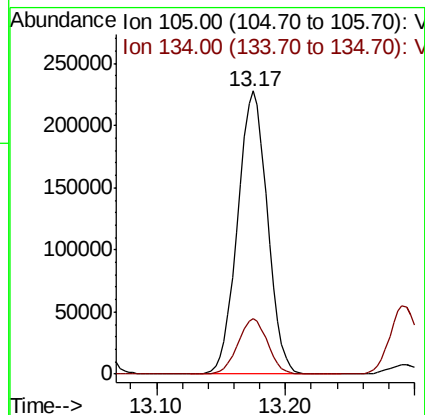
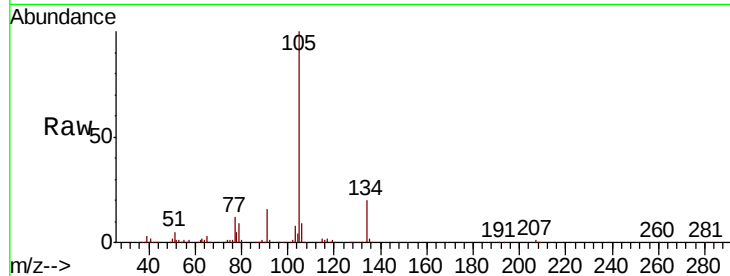
134 19.5 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.927 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059354.D

Acq: 22 Nov 2019 11:23

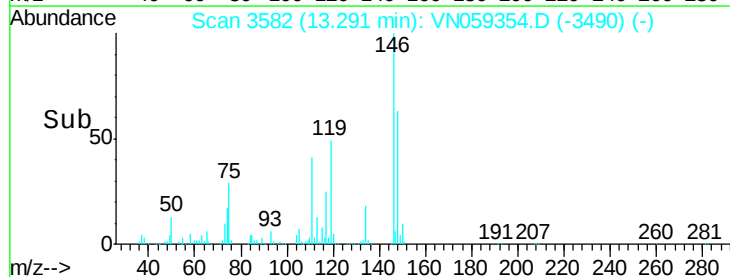
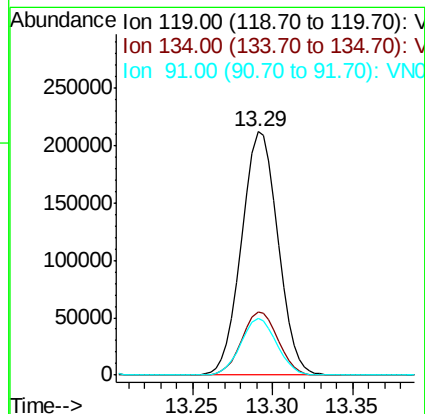
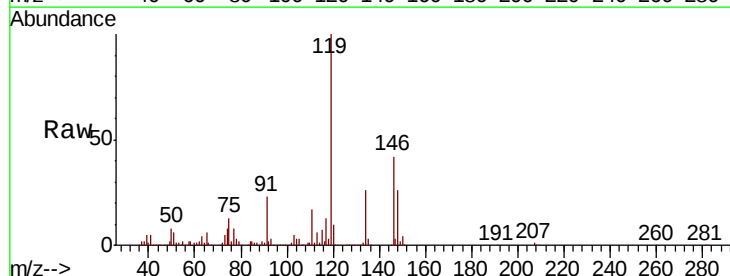
Tgt Ion:119 Resp: 326984

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 22.9 11.6 34.7





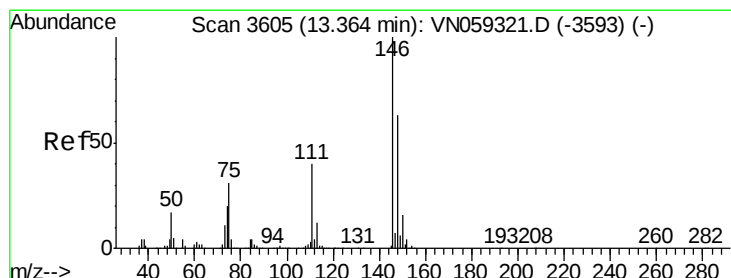
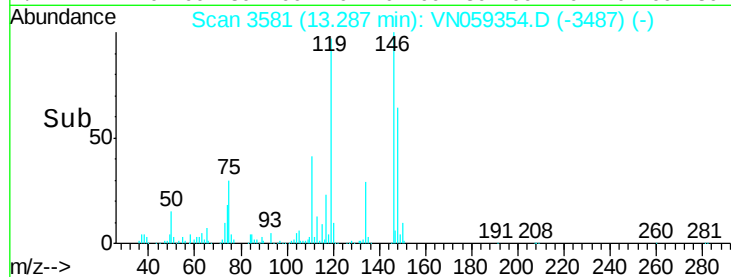
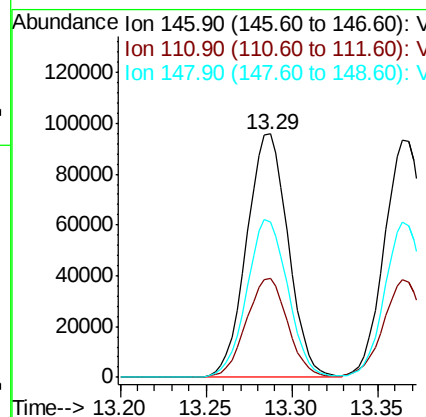
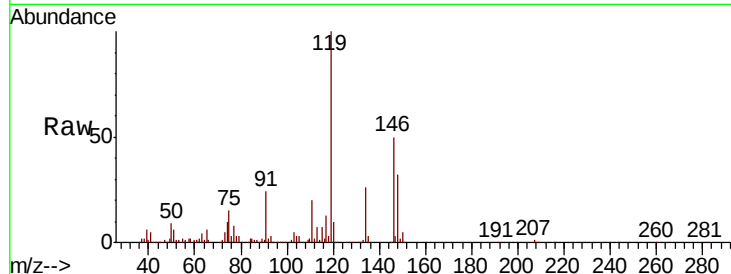
#87  
 1,3-Dichlorobenzene  
 Concen: 22.166 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.6  | 61.8  |
| 148     | 64.1  | 31.9  | 95.5  |

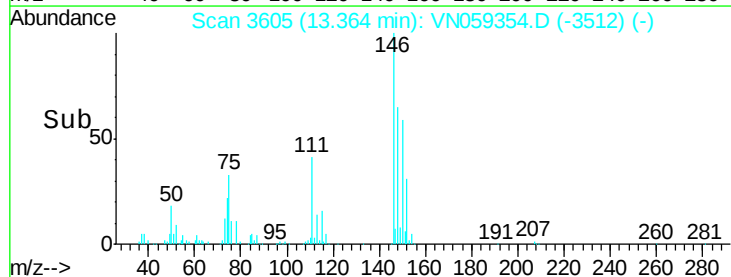
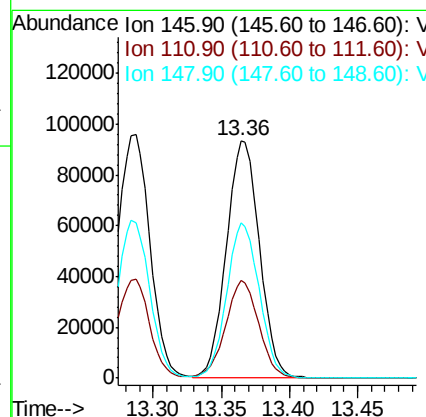
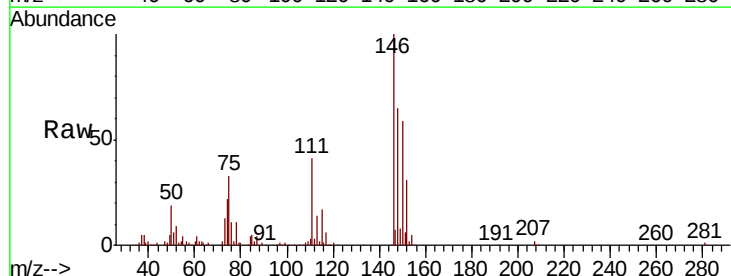
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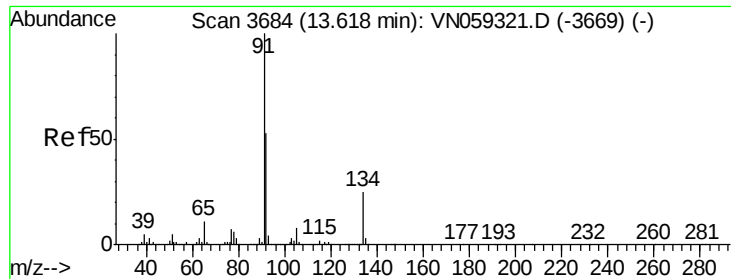
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.956 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.3  | 20.1  | 60.3  |
| 148     | 64.6  | 31.7  | 95.1  |





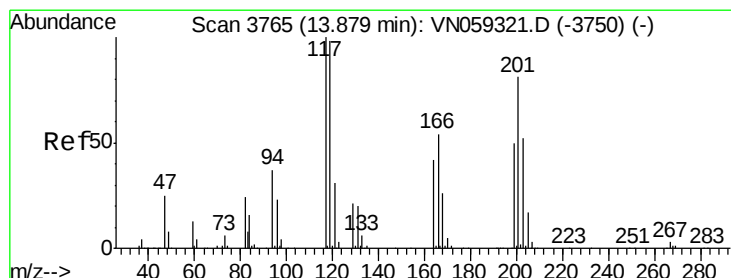
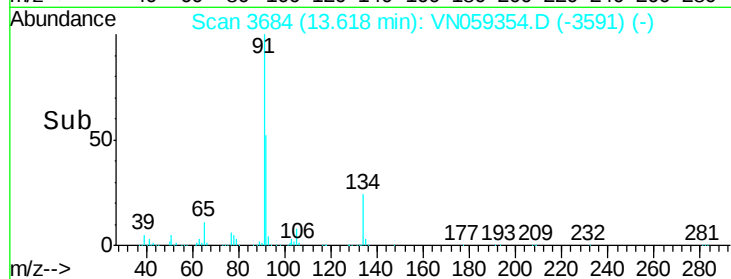
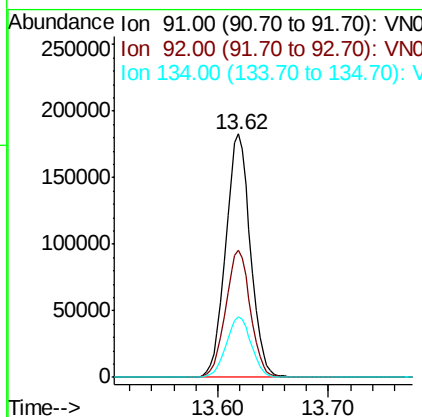
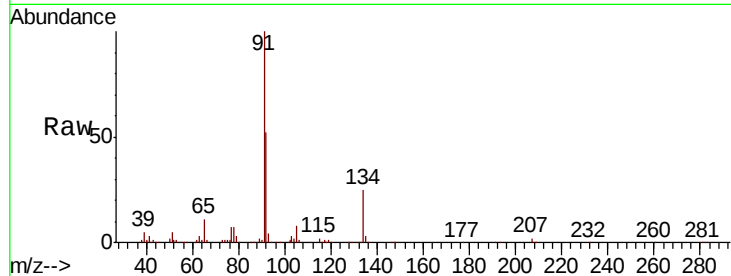
#89  
n-Butylbenzene  
Concen: 22.697 ug/l  
RT: 13.62 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.4  | 26.0  | 78.0  |
| 134     | 25.3  | 12.7  | 38.1  |

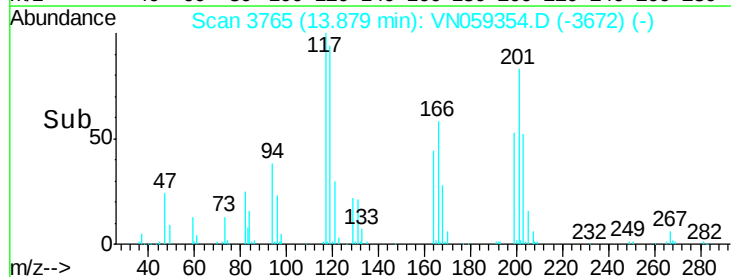
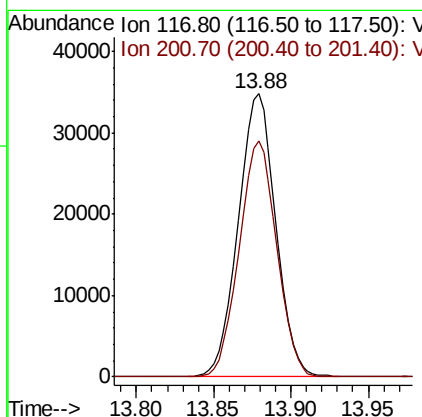
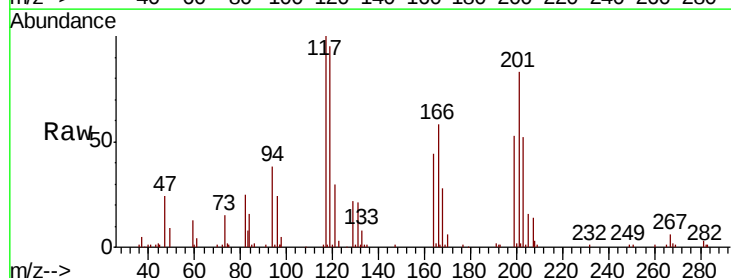
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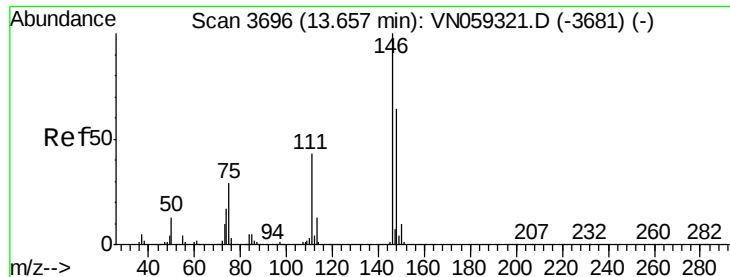
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#90  
Hexachloroethane  
Concen: 21.748 ug/l  
RT: 13.88 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.2  | 40.4  | 121.2 |





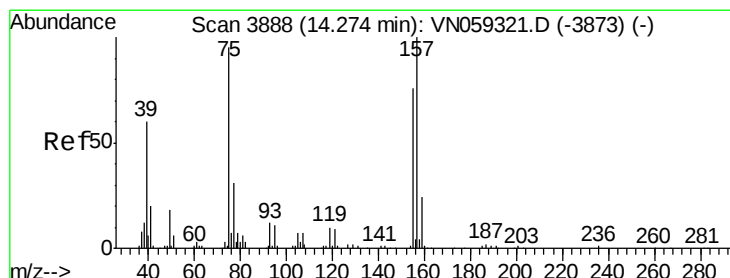
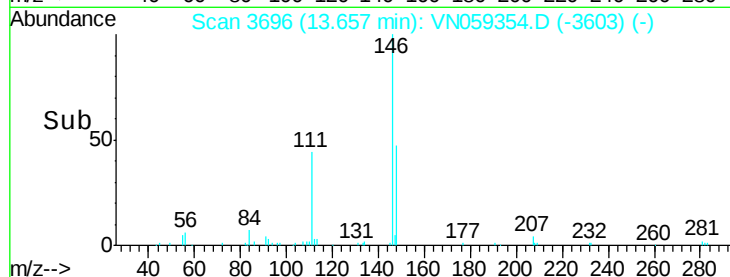
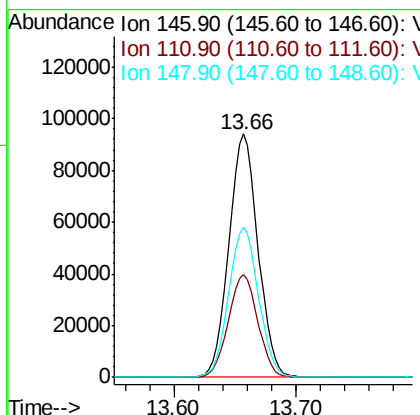
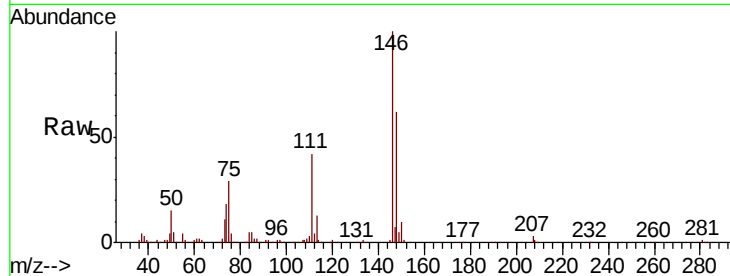
#91  
 1,2-Dichlorobenzene  
 Concen: 22.387 ug/l  
 RT: 13.66 min Scan# 3696  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 21.3  | 64.0  |
| 148     | 62.9  | 31.9  | 95.5  |

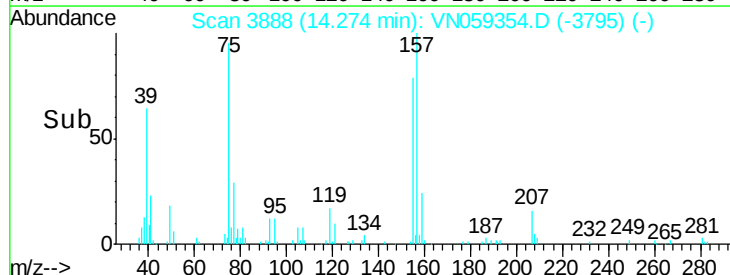
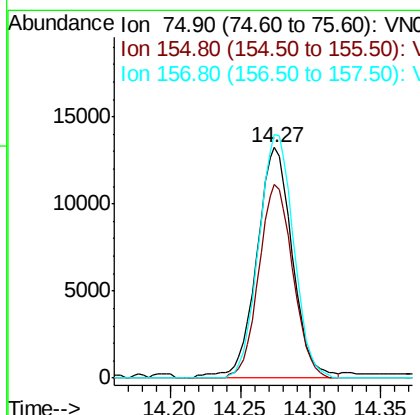
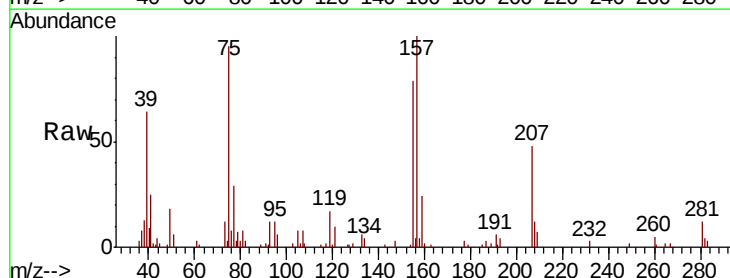
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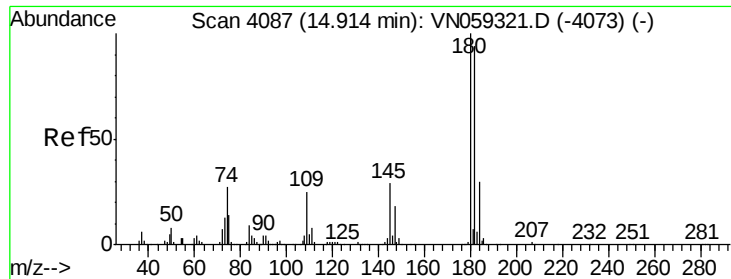
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.813 ug/l  
 RT: 14.27 min Scan# 3888  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.7  | 40.5  | 121.5 |
| 157     | 102.6 | 52.7  | 158.1 |





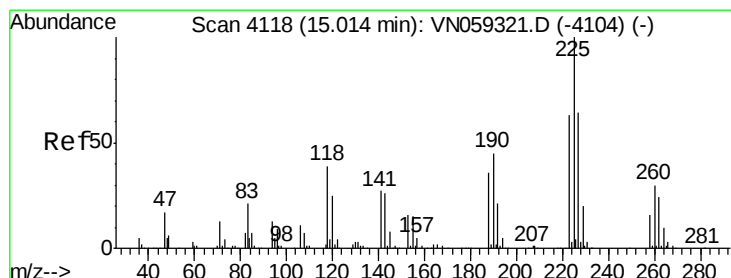
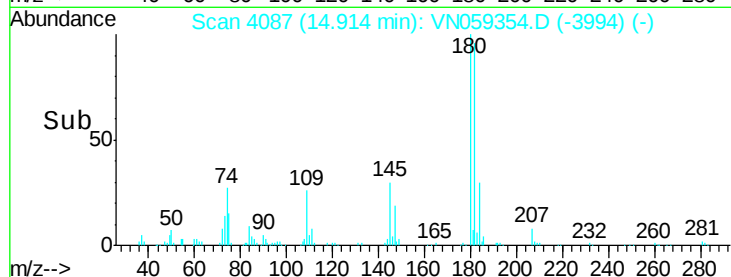
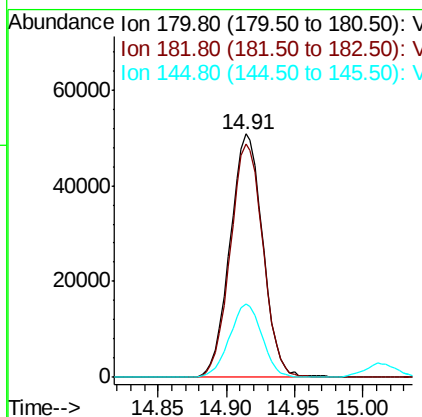
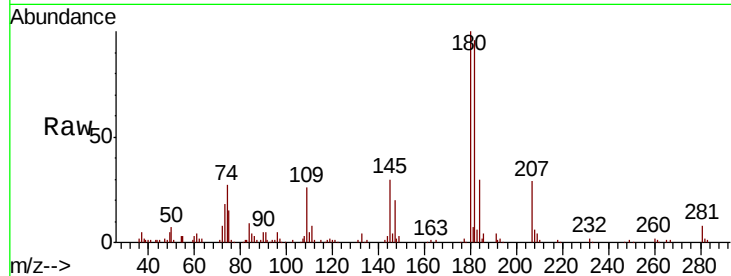
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.191 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.5  | 47.2  | 141.6 |
| 145     | 29.9  | 14.9  | 44.5  |

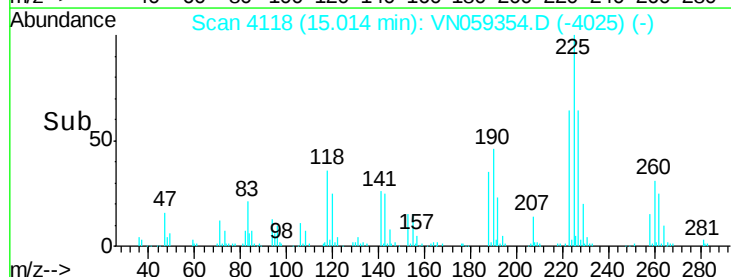
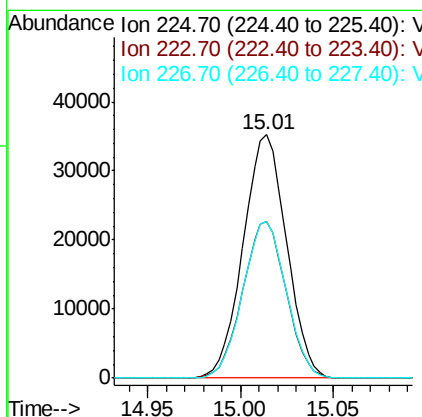
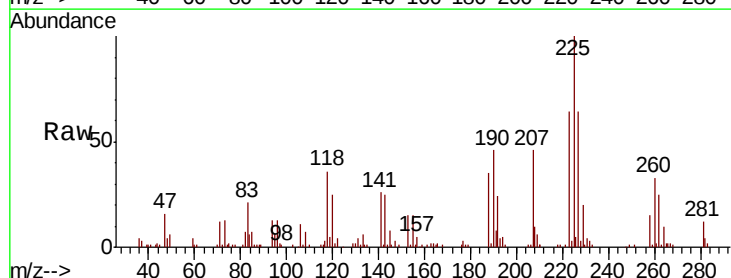
Manual Integrations  
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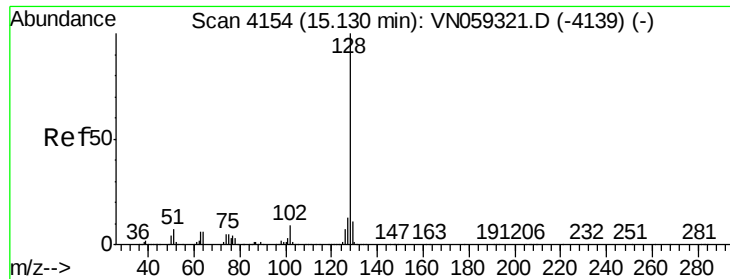
MMDadoda  
 11/26/2019 2:43:14 PM



#94  
 Hexachlorobutadiene  
 Concen: 22.585 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN059354.D  
 Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.4  | 31.6  | 94.8  |
| 227     | 64.3  | 32.6  | 97.7  |





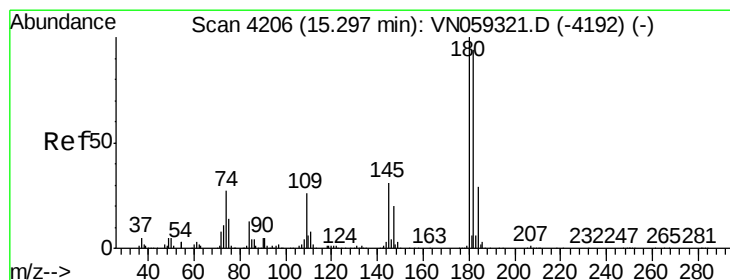
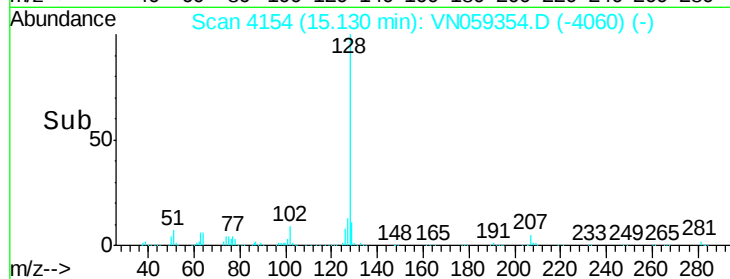
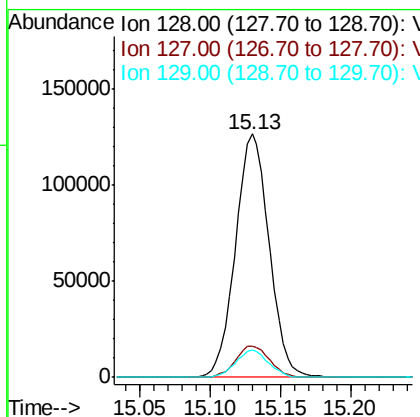
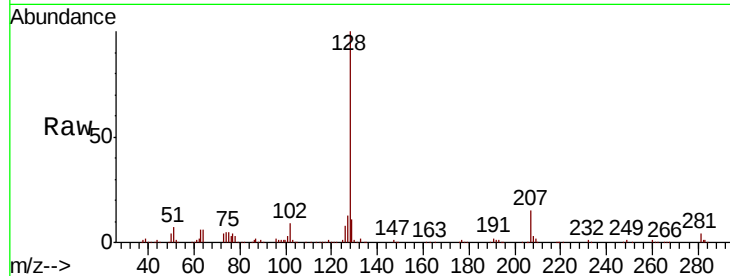
#95  
Naphthalene  
Concen: 19.589 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1122MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.2  | 15.2  |
| 129     | 10.9  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.614 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. 0.00 min  
Lab File: VN059354.D  
Acq: 22 Nov 2019 11:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 47.1  | 141.4 |
| 145     | 31.6  | 15.6  | 46.8  |

