

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\  
 Data File : VN058959.D  
 Acq On : 24 Oct 2019 14:28  
 Operator : JC/SP  
 Sample : VN1025WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2019 1:16:06 AM

Quant Time: Oct 25 02:09:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 340402   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 552757   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 512831   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 242259   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 250491   | 50.17  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.34% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 180417   | 49.64  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 99.28%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 687666   | 48.74  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 97.48%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 247662   | 47.80  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 95.60%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 78705    | 18.544  | ug/l  | 99     |
| 3) Chloromethane              | 2.04 | 50   | 97123    | 18.477  | ug/l  | 98     |
| 4) Vinyl Chloride             | 2.17 | 62   | 97801    | 18.739  | ug/l  | 98     |
| 5) Bromomethane               | 2.55 | 94   | 57232    | 17.511  | ug/l  | 98     |
| 6) Chloroethane               | 2.69 | 64   | 63712    | 19.036  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 120570   | 18.671  | ug/l  | 96     |
| 8) Diethyl Ether              | 3.39 | 74   | 43525    | 19.504  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101  | 68130    | 19.031  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.93 | 142  | 75190    | 15.969  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 4.75 | 59   | 75666    | 91.330  | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 64465    | 19.211  | ug/l  | 98     |
| 13) Acrolein                  | 3.58 | 56   | 30030    | 52.753  | ug/l  | 96     |
| 14) Allyl chloride            | 4.30 | 41   | 128893   | 18.982  | ug/l  | 99     |
| 15) Acrylonitrile             | 4.96 | 53   | 207107   | 99.380  | ug/l  | 99     |
| 16) Acetone                   | 3.79 | 43   | 198235   | 80.354  | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.03 | 76   | 195832   | 18.116  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.30 | 43   | 109707   | 19.560  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.02 | 73   | 234447   | 19.952  | ug/l  | 100    |
| 20) Methylene Chloride        | 4.53 | 84   | 80226    | 19.045  | ug/l  | 97     |
| 21) trans-1,2-Dichloroethene  | 5.02 | 96   | 71035    | 19.168  | ug/l  | 98     |
| 22) Diisopropyl ether         | 5.93 | 45   | 270614   | 20.375  | ug/l  | 99     |
| 23) Vinyl Acetate             | 5.87 | 43   | 1110089  | 104.029 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 5.83 | 63   | 151047   | 19.613  | ug/l  | 99     |
| 25) 2-Butanone                | 6.81 | 43   | 286183   | 89.364  | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77   | 123383   | 18.522  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96   | 83453    | 19.713  | ug/l  | 100    |
| 28) Bromochloromethane        | 7.18 | 49   | 52756    | 20.569  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.19 | 42   | 192197   | 98.108  | ug/l  | 99     |
| 30) Chloroform                | 7.35 | 83   | 144872   | 18.753  | ug/l  | 96     |
| 31) Cyclohexane               | 7.63 | 56   | 130784   | 18.228  | ug/l  | 95     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97   | 129767   | 19.929  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75   | 107083   | 18.922  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.91 | 43   | 122760   | 19.908  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.76 | 117  | 111405   | 19.109  | ug/l  | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\  
 Data File : VN058959.D  
 Acq On : 24 Oct 2019 14:28  
 Operator : JC/SP  
 Sample : VN1025WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1025WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2019 1:16:06 AM

Quant Time: Oct 25 02:09:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 114976   | 18.094  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 326157   | 19.627  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.16  | 41   | 48851m   | 17.788  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 124879   | 19.508  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.15  | 43   | 193213   | 19.538  | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 77230    | 19.078  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 90705    | 19.905  | ug/l   | 100      |
| 46) Dibromomethane             | 9.20  | 93   | 56334    | 19.555  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 115944   | 19.528  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.19  | 41   | 85213    | 18.992  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 24966    | 338.963 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 604756   | 104.697 | ug/l   | 98       |
| 52) Toluene                    | 10.15 | 92   | 195481   | 19.837  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 127914   | 19.461  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 135669   | 19.320  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 80115    | 19.735  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 114461   | 18.178  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 138733   | 19.471  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 256334   | 92.664  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 432223   | 96.835  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 84554    | 19.350  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 79100    | 19.039  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 67702    | 18.850  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 204342   | 19.572  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 77661    | 19.712  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 364888   | 19.923  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 270319   | 39.799  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 126886   | 19.588  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 205171   | 18.284  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 57389    | 18.785  | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.25 | 105  | 348976   | 19.711  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 155750   | 19.405  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 119999   | 19.276  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 106905m  | 19.040  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 83943    | 19.236  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 414802   | 19.821  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 247714   | 19.340  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 296536   | 19.935  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 38943    | 18.069  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 252562   | 19.295  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 251492   | 19.771  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 295194   | 20.120  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 336767   | 19.857  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 297533   | 19.883  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 149694   | 19.184  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 148510   | 19.010  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 256355   | 18.649  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 58689    | 19.355  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 149406   | 19.481  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 26079    | 18.522  | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\  
Data File : VN058959.D  
Acq On : 24 Oct 2019 14:28  
Operator : JC/SP  
Sample : VN1025WBS02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

Manual Integrations  
APPROVED

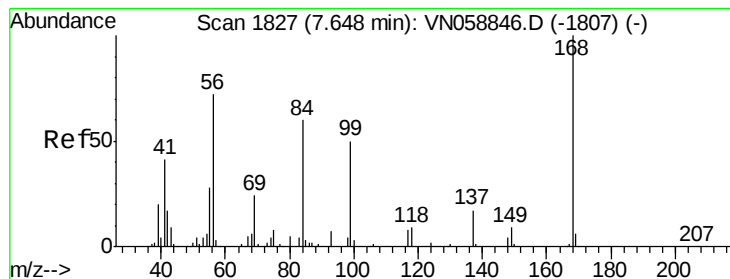
MMDadoda  
10/26/2019 1:16:06 AM

Quant Time: Oct 25 02:09:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 19 00:16:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 76754    | 17.617 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 45542    | 18.321 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 210627   | 16.729 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 78277    | 18.251 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion:168 Resp: 340402

Ion Ratio Lower Upper

168 100

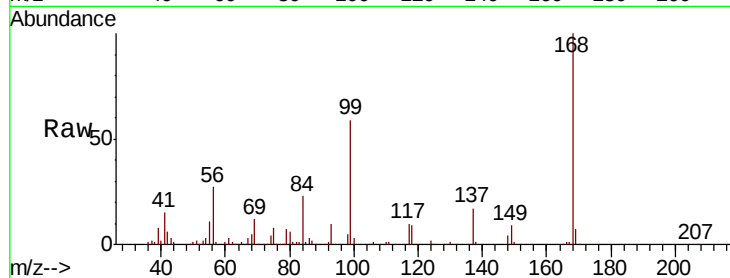
99 59.1 48.1 72.1

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

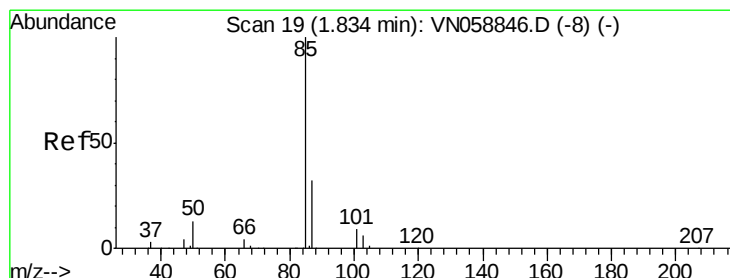
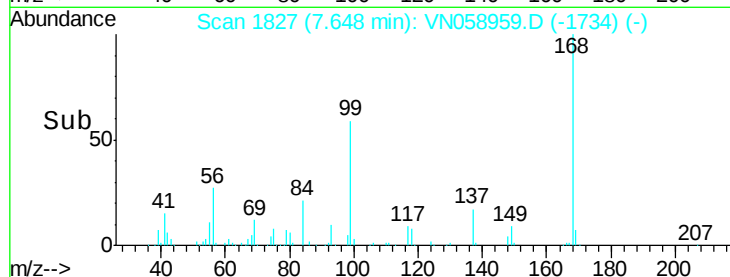
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.544 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058959.D

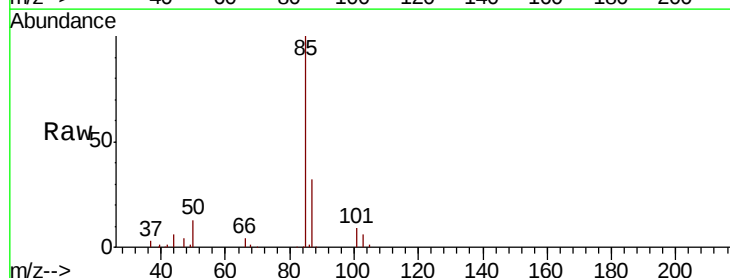
Acq: 24 Oct 2019 14:28

Tgt Ion: 85 Resp: 78705

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

50000

40000

30000

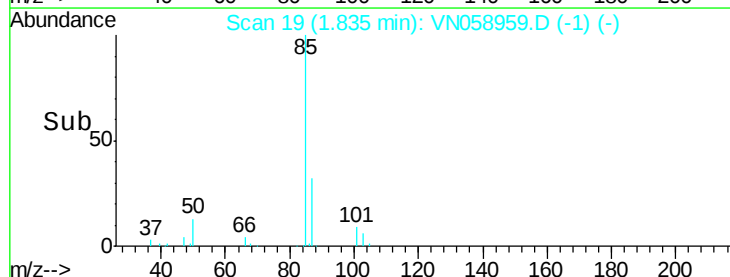
20000

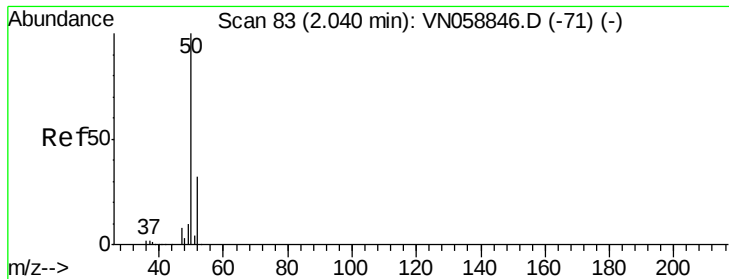
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.477 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 50 Resp: 97123

Ion Ratio Lower Upper

50 100

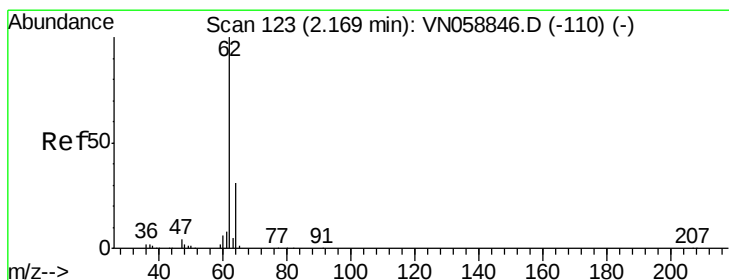
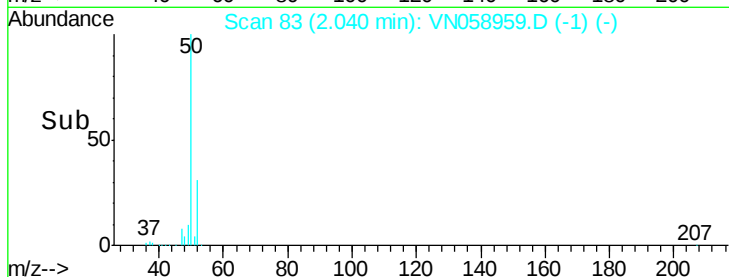
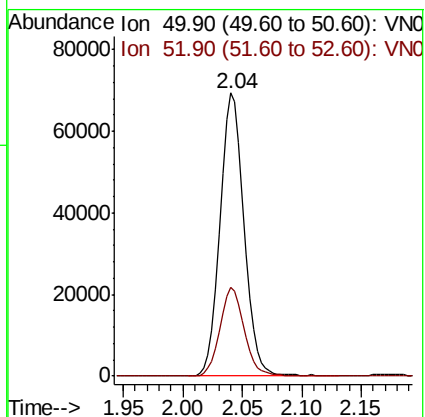
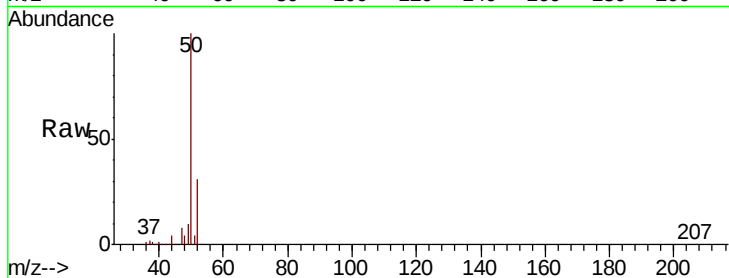
52 31.3 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



#4

Vinyl Chloride

Concen: 18.739 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058959.D

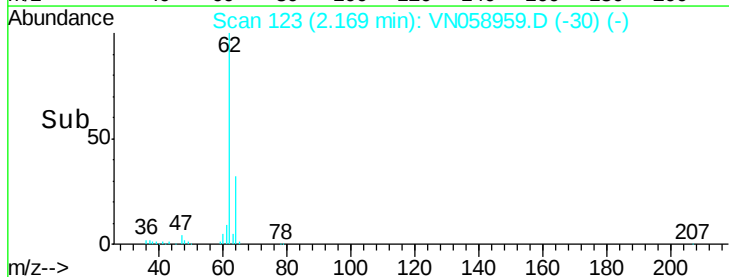
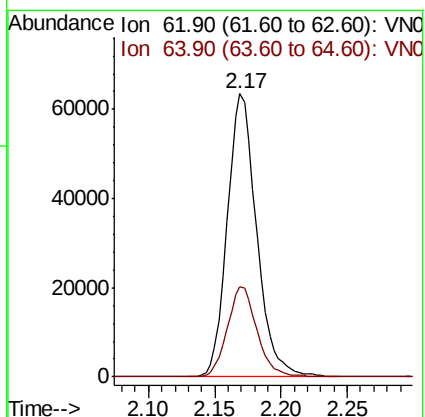
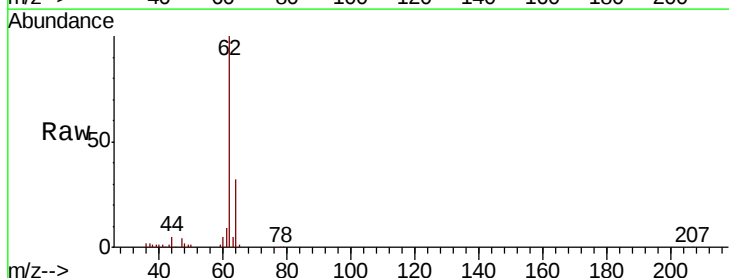
Acq: 24 Oct 2019 14:28

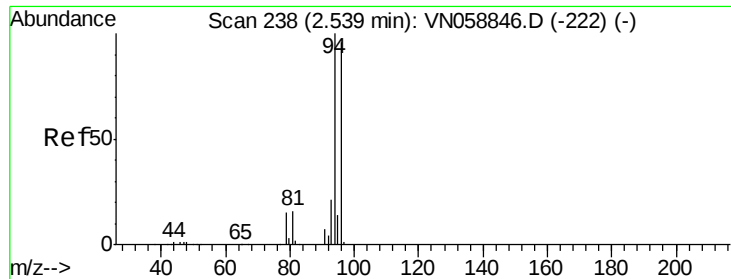
Tgt Ion: 62 Resp: 97801

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 17.511 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 94 Resp: 57232

Ion Ratio Lower Upper

94 100

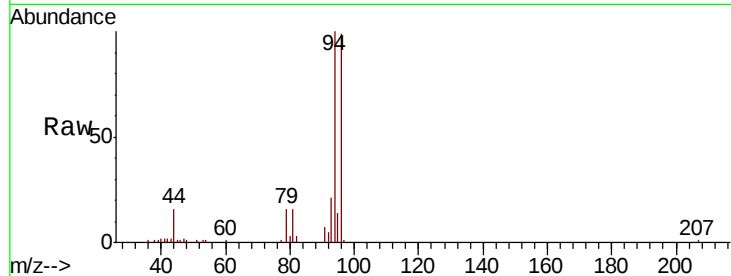
96 98.6 77.0 115.6

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.55

25000

20000

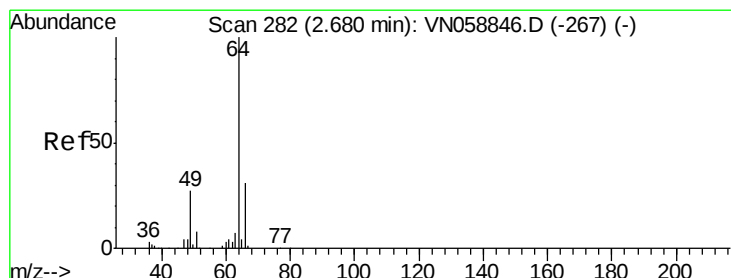
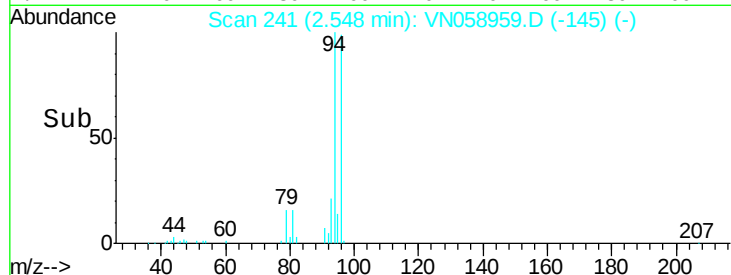
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.036 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058959.D

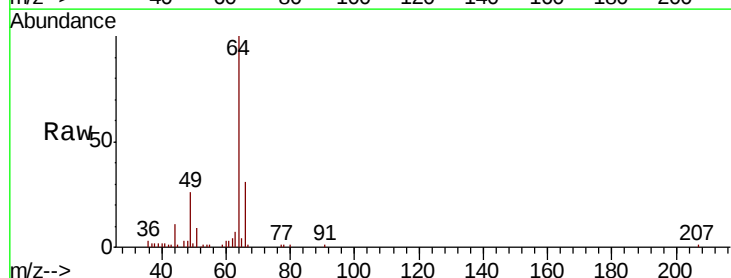
Acq: 24 Oct 2019 14:28

Tgt Ion: 64 Resp: 63712

Ion Ratio Lower Upper

64 100

66 30.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.69

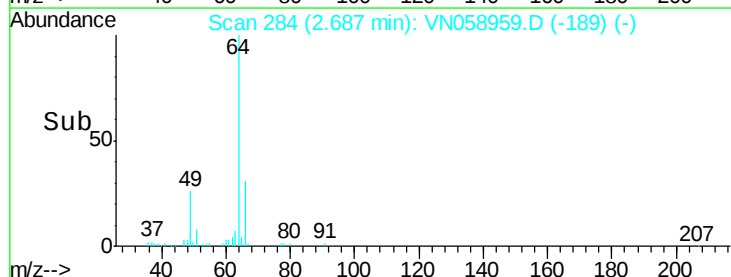
30000

20000

10000

0

Time-->





#7

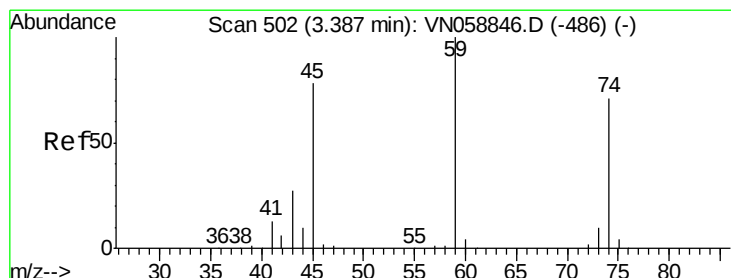
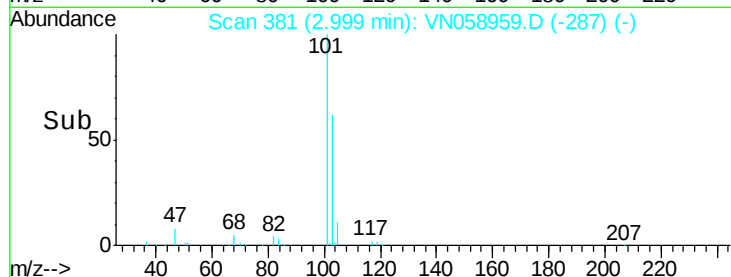
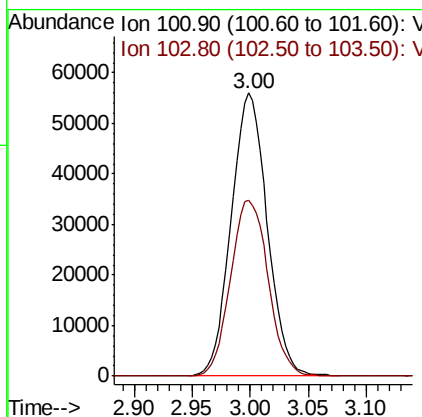
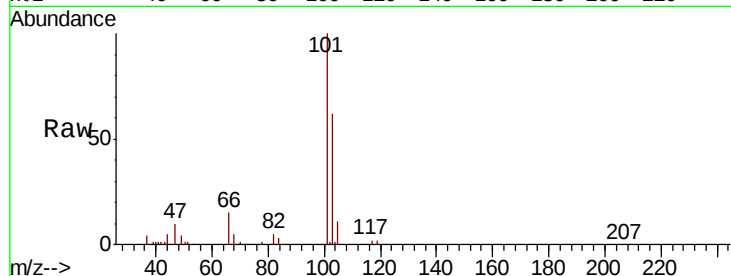
Trichlorofluoromethane  
Concen: 18.671 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

Tot Ion:101 Resp: 120570  
Ion Ratio Lower Upper  
101 100  
103 62.3 52.2 78.2

Manual Integrations  
APPROVED

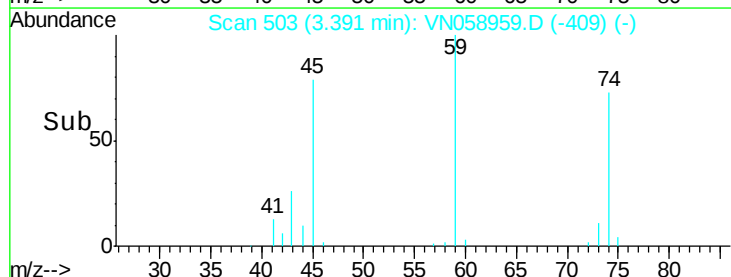
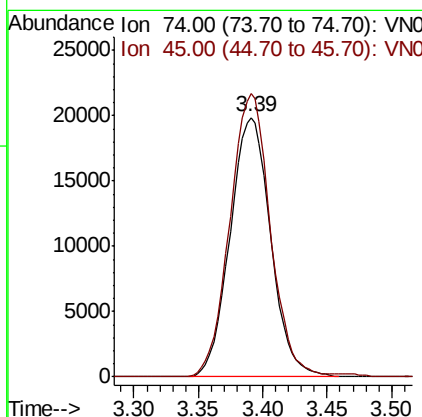
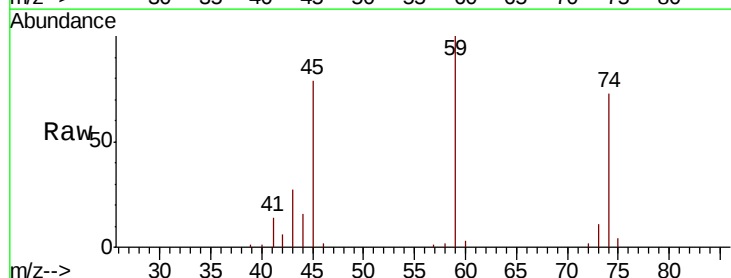
MMDadoda  
10/26/2019 1:16:06 AM

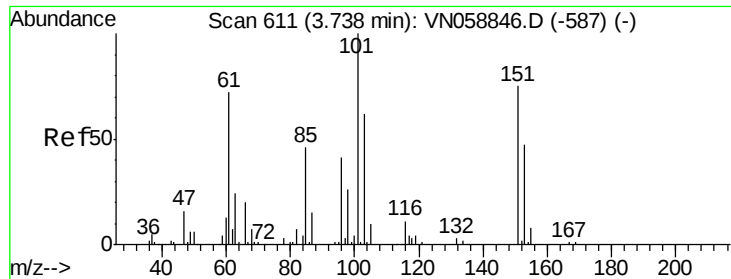


#8

Diethyl Ether  
Concen: 19.504 ug/l  
RT: 3.39 min Scan# 503  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Tgt Ion: 74 Resp: 43525  
Ion Ratio Lower Upper  
74 100  
45 108.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.031 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

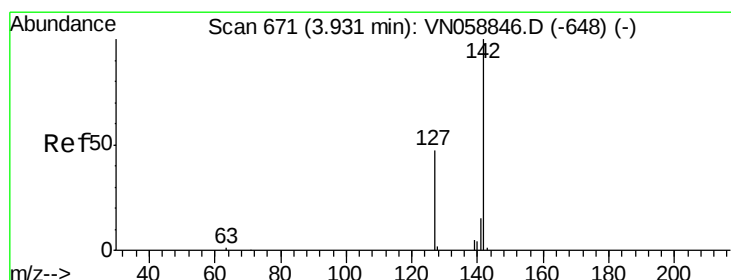
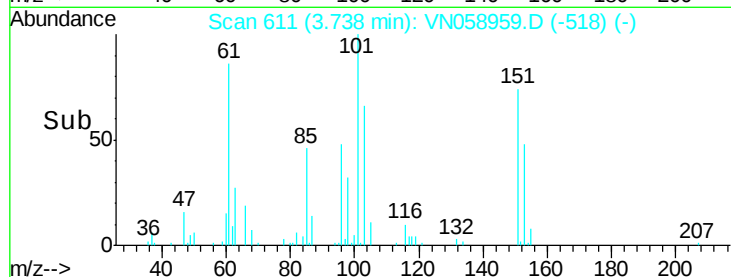
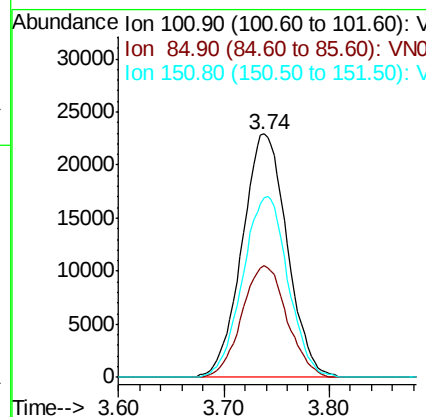
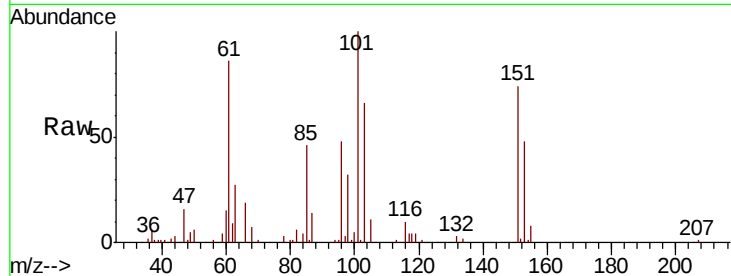
ClientSampleId :

VN1025WBS02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 68130 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.8  | 37.2  | 55.8  |
| 151       | 74.7  | 59.9  | 89.9  |

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#10

Methyl Iodide

Concen: 15.969 ug/l

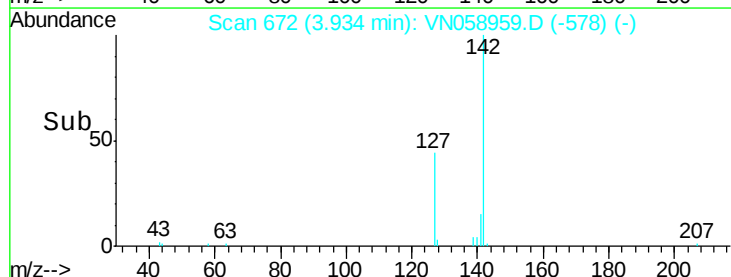
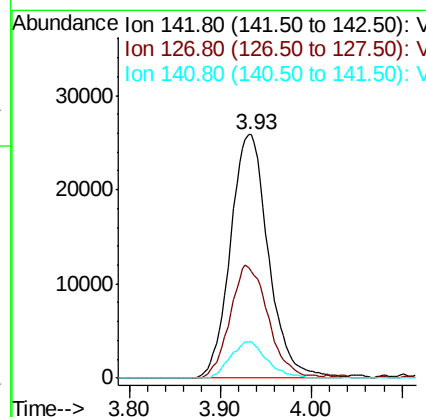
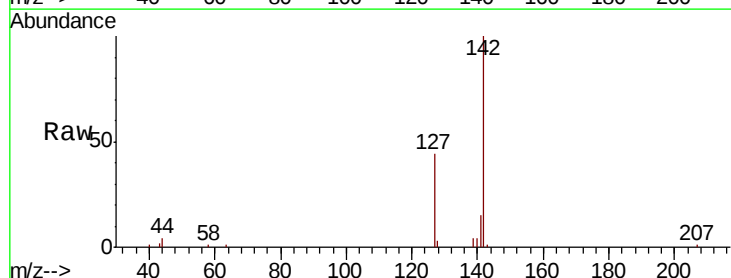
RT: 3.93 min Scan# 672

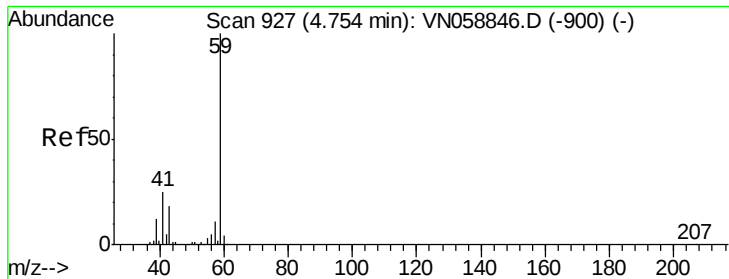
Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 75190 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.9  | 36.6  | 54.8  |
| 141       | 14.3  | 11.4  | 17.2  |





#11

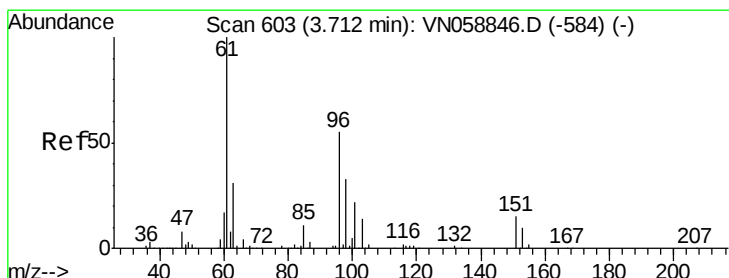
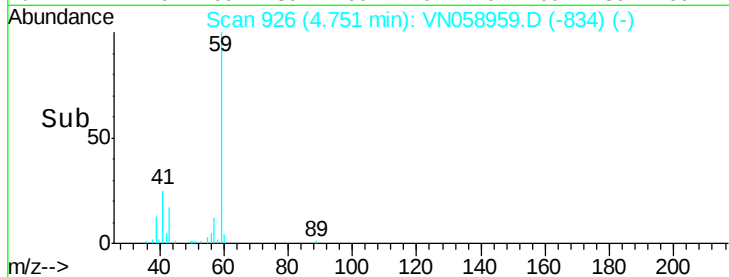
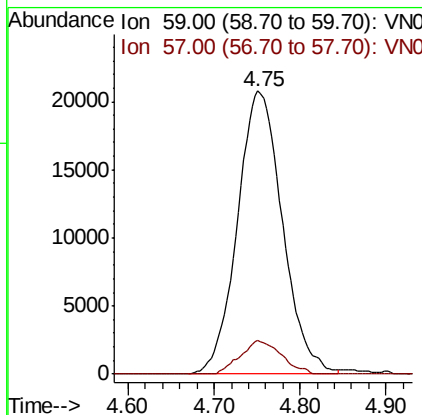
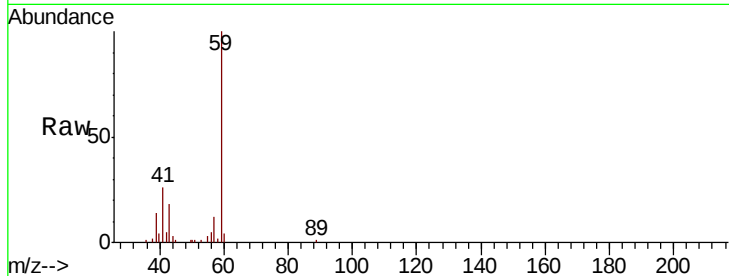
Tert butyl alcohol  
Concen: 91.330 ug/l  
RT: 4.75 min Scan# 926  
Delta R.T. -0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | 59 | 57 | Ratio | 100 | 10.8 | Resp | 75666 | Lower | 8.6 | Upper | 12.8 |
|---------|----|----|-------|-----|------|------|-------|-------|-----|-------|------|
| Ion     | 59 | 57 | Ratio | 100 | 10.8 | Resp | 75666 | Lower | 8.6 | Upper | 12.8 |

Manual Integrations  
APPROVED

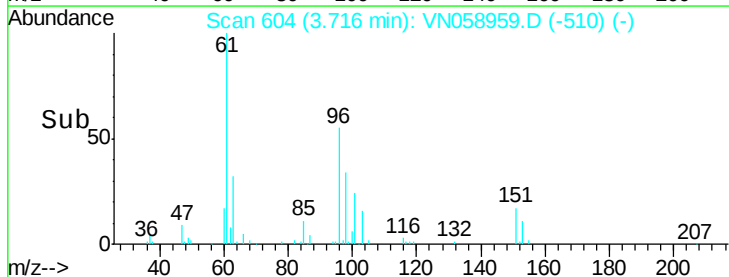
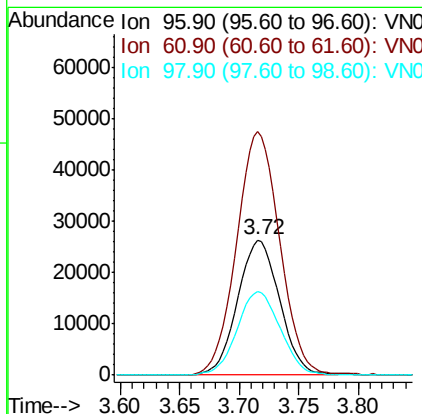
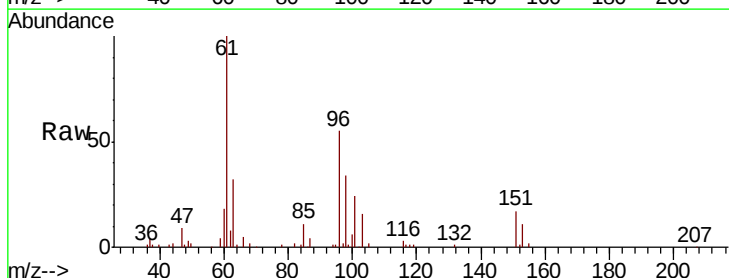
MMDadoda  
10/26/2019 1:16:06 AM

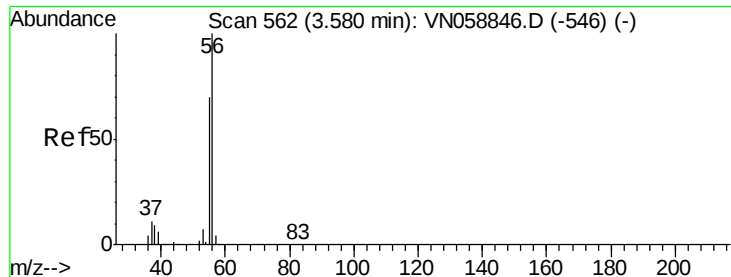


#12

1,1-Dichloroethene  
Concen: 19.211 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 180.3 | 61.7 | Resp | 64465 | Lower | 146.2 | 48.7 | Upper | 219.2 | 73.1 |
|---------|----|----|----|-------|-----|-------|------|------|-------|-------|-------|------|-------|-------|------|
| Ion     | 96 | 61 | 98 | Ratio | 100 | 180.3 | 61.7 | Resp | 64465 | Lower | 146.2 | 48.7 | Upper | 219.2 | 73.1 |





#13

Acrolein

Concen: 52.753 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 56 Resp: 30030

Ion Ratio Lower Upper

56 100

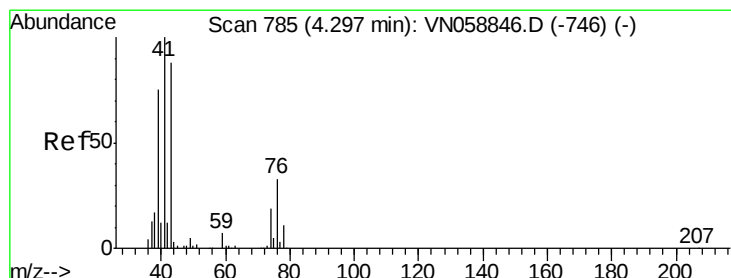
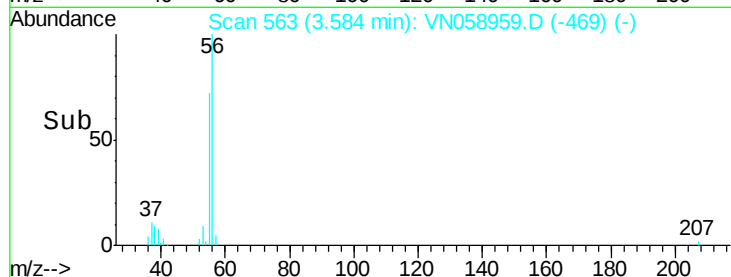
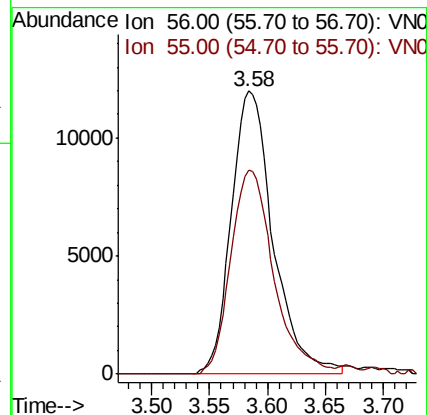
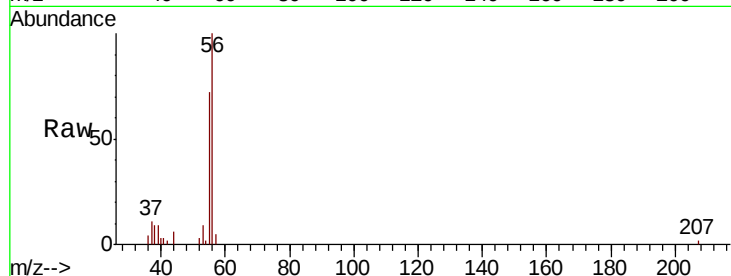
55 74.1 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



#14

Allyl chloride

Concen: 18.982 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

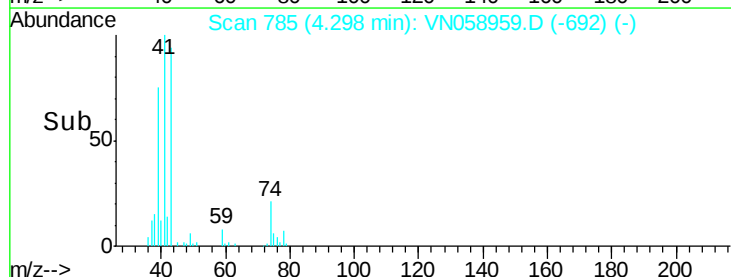
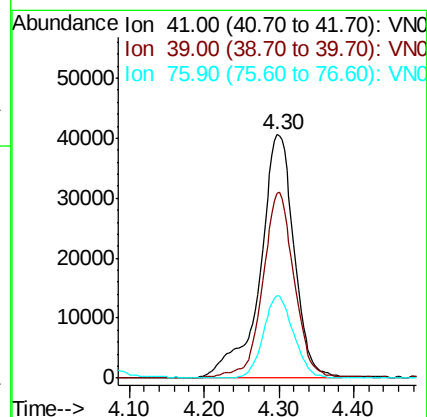
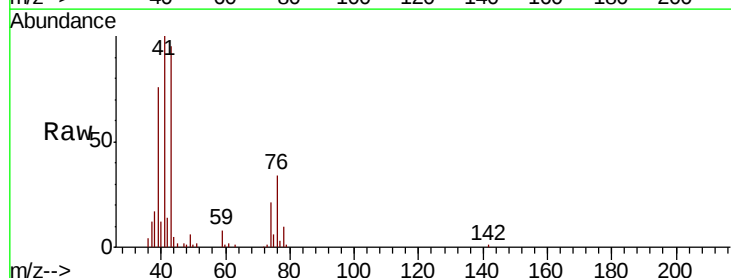
Tgt Ion: 41 Resp: 128893

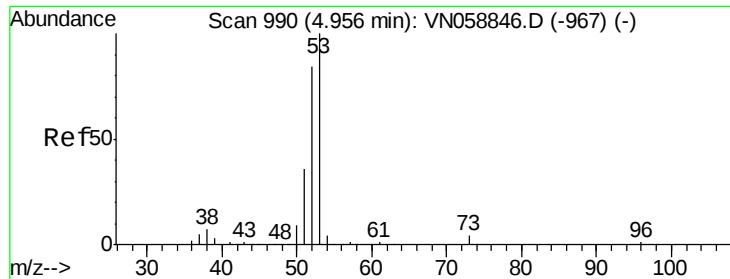
Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

76 29.8 24.1 36.1





#15

Acrylonitrile

Concen: 99.380 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

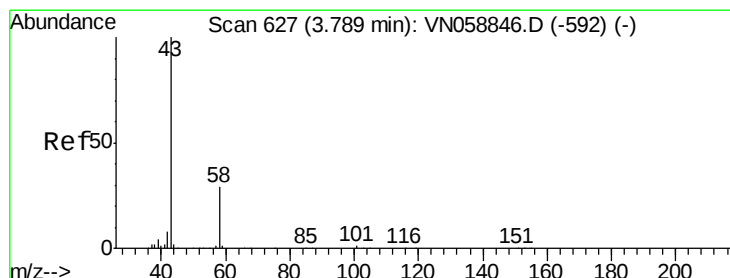
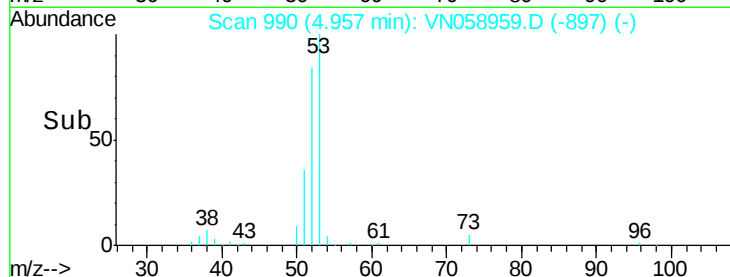
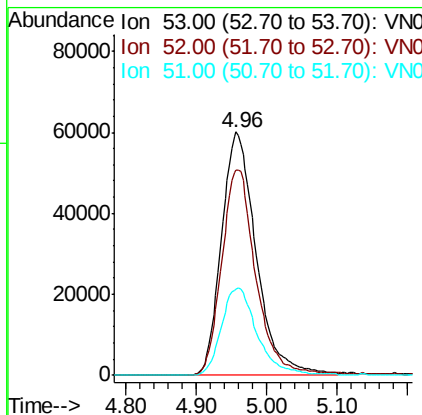
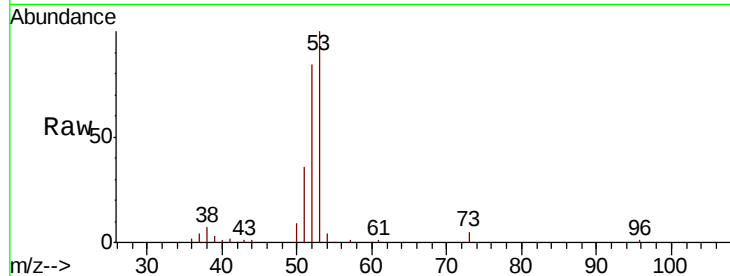
ClientSampleId :

VN1025WBS02

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 207107 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.5 | 66.6  | 99.8   |
| 51        | 36.7 | 29.2  | 43.8   |

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#16

Acetone

Concen: 80.354 ug/l

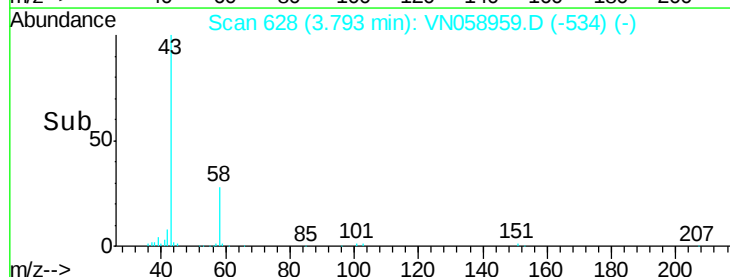
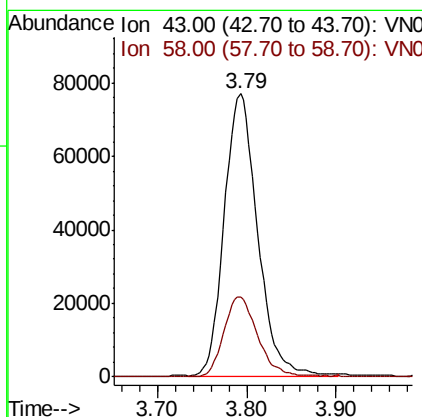
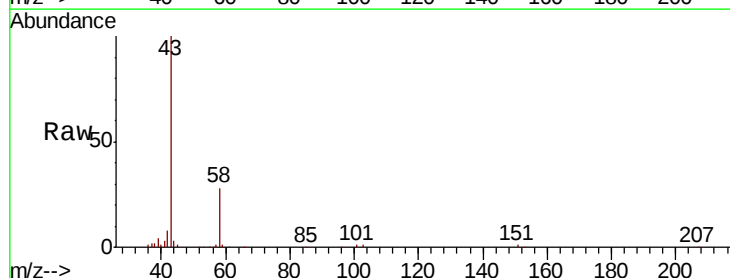
RT: 3.79 min Scan# 628

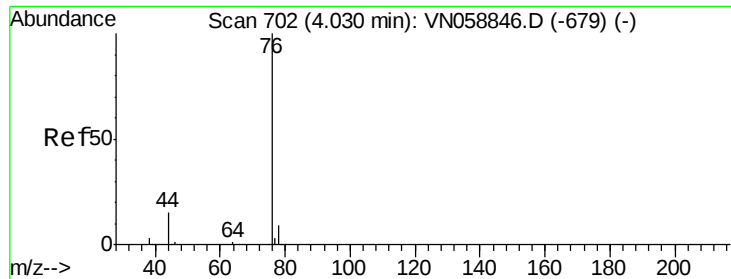
Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 198235 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 28.5 | 23.1  | 34.7   |





#17

Carbon Disulfide

Concen: 18.116 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 76 Resp: 195832

Ion Ratio Lower Upper

76 100

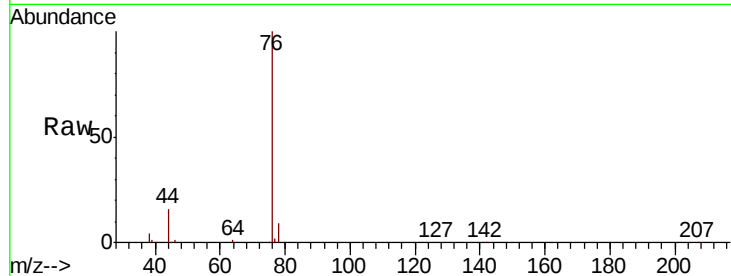
78 8.7 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

80000

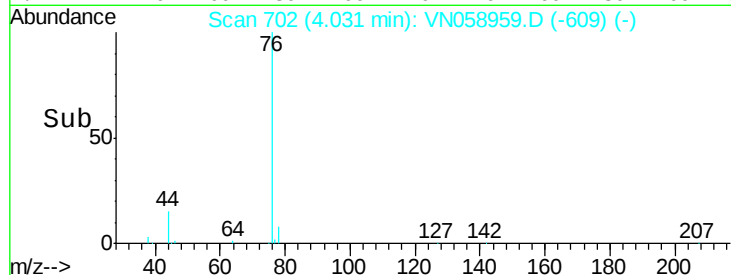
60000

40000

20000

0

Time-->

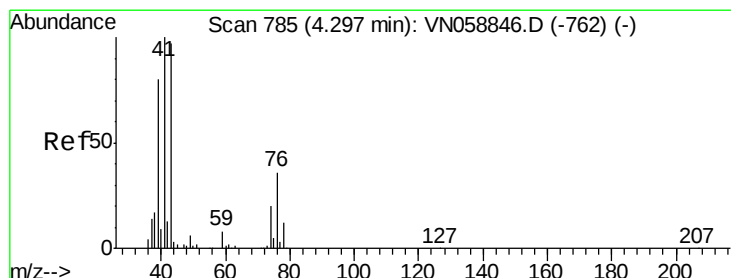


4.03

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 19.560 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058959.D

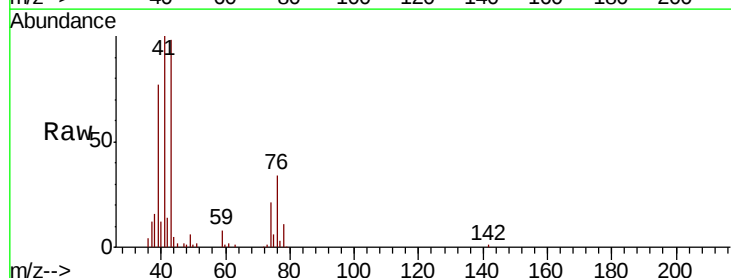
Acq: 24 Oct 2019 14:28

Tgt Ion: 43 Resp: 109707

Ion Ratio Lower Upper

43 100

74 21.9 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

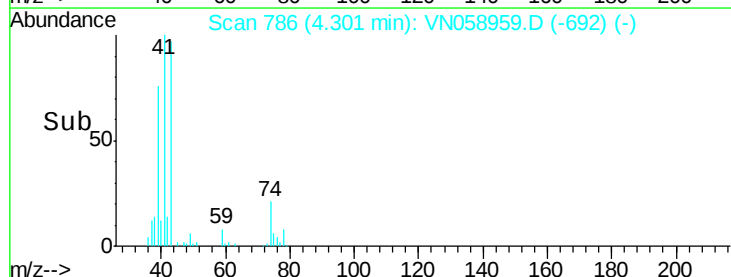
30000

20000

10000

0

Time-->

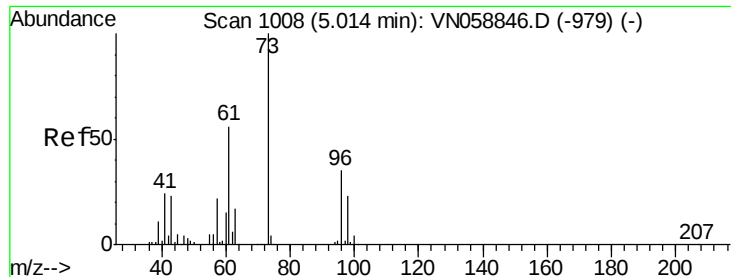


4.30

4.20

4.30

4.40



#19

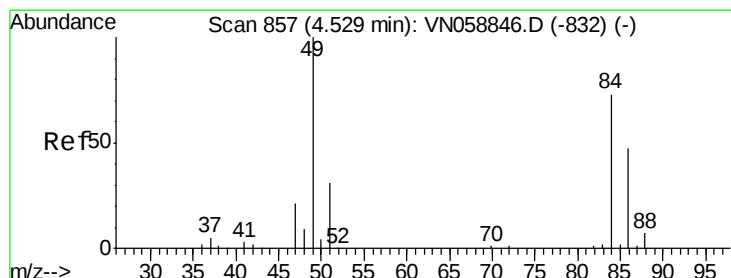
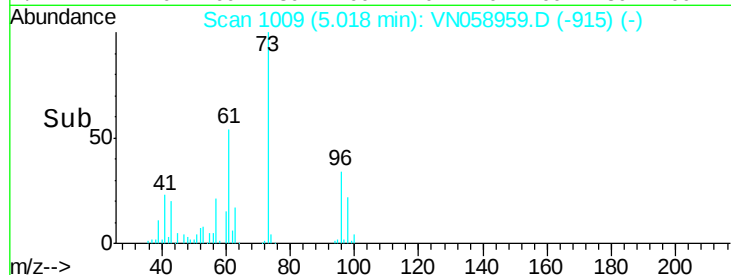
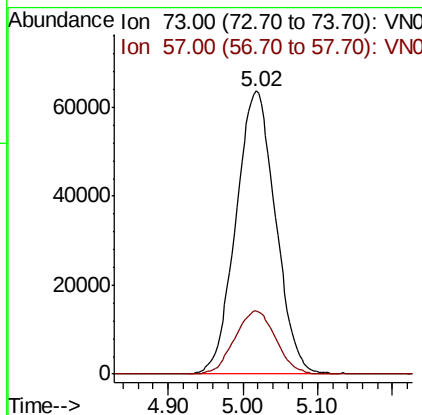
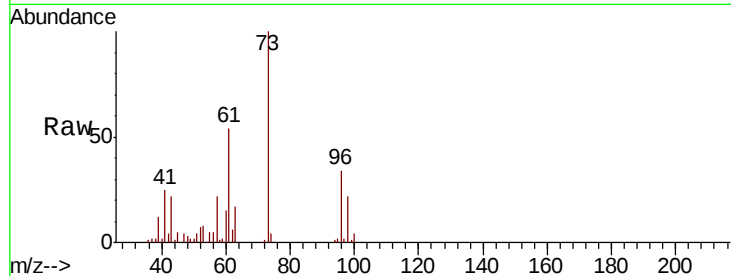
Methyl tert-butyl Ether  
 Concen: 19.952 ug/l  
 RT: 5.02 min Scan# 1009  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

Tot Ion: 73 Resp: 234447  
 Ion Ratio Lower Upper  
 73 100  
 57 22.3 17.9 26.9

Manual Integrations  
 APPROVED

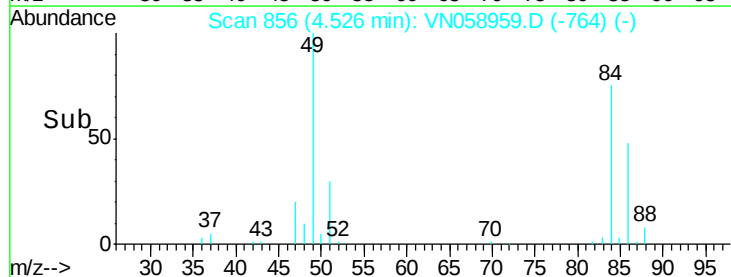
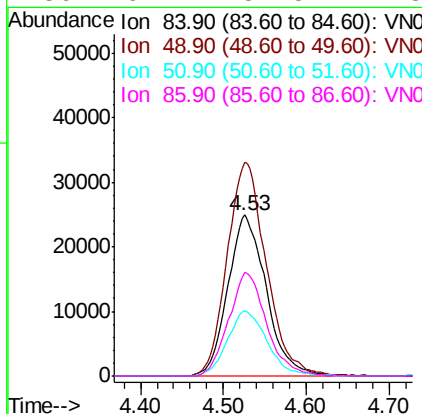
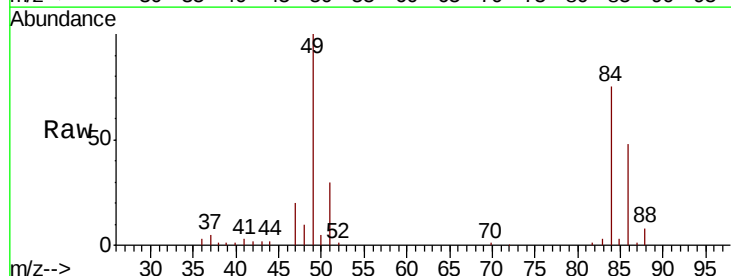
MMDadoda  
 10/26/2019 1:16:06 AM

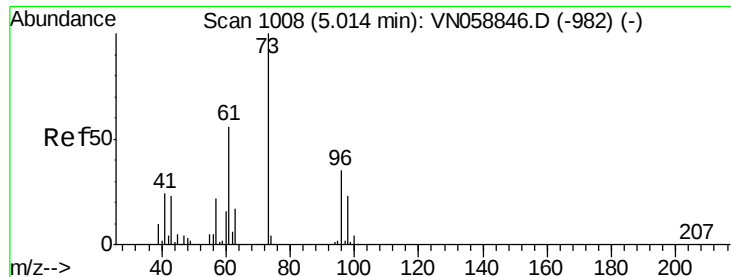


#20

Methylene Chloride  
 Concen: 19.045 ug/l  
 RT: 4.53 min Scan# 856  
 Delta R.T. -0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Tgt Ion: 84 Resp: 80226  
 Ion Ratio Lower Upper  
 84 100  
 49 132.7 109.6 164.4  
 51 40.3 33.8 50.6  
 86 64.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.168 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 96 Resp: 71035

Ion Ratio Lower Upper

96 100

61 154.5 126.7 190.1

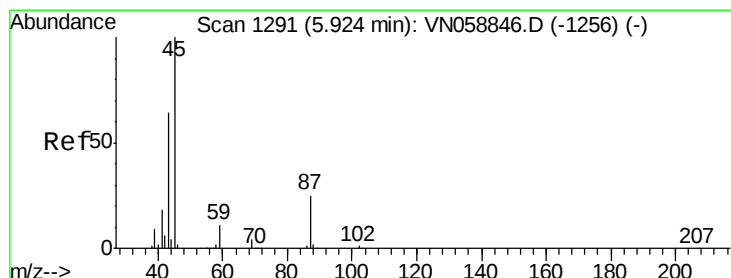
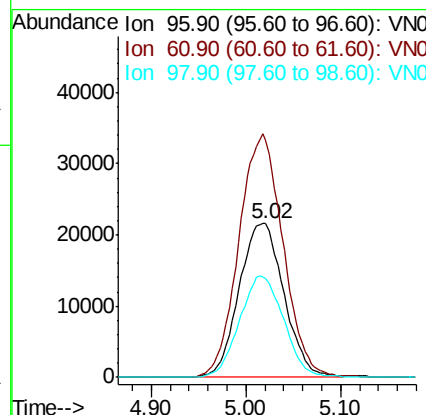
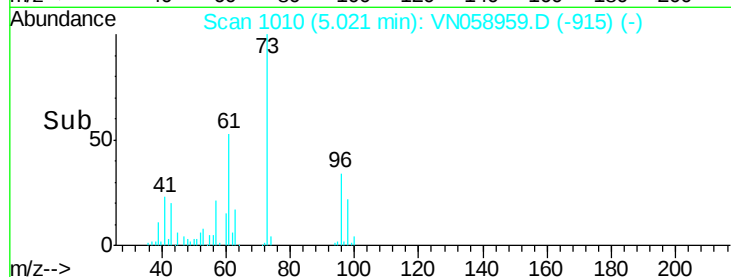
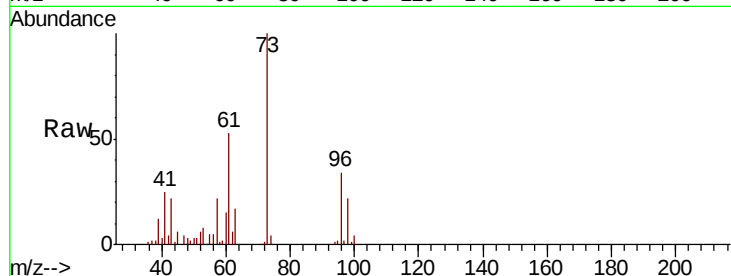
98 64.0 52.0 78.0

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



#22

Diisopropyl ether

Concen: 20.375 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Tgt Ion: 45 Resp: 270614

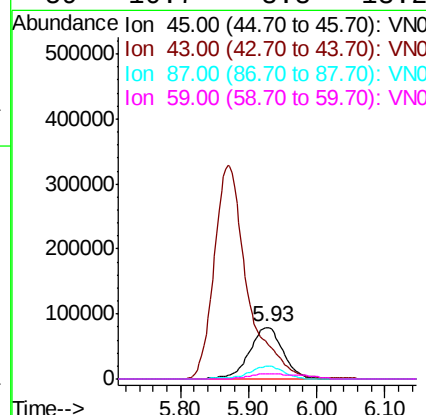
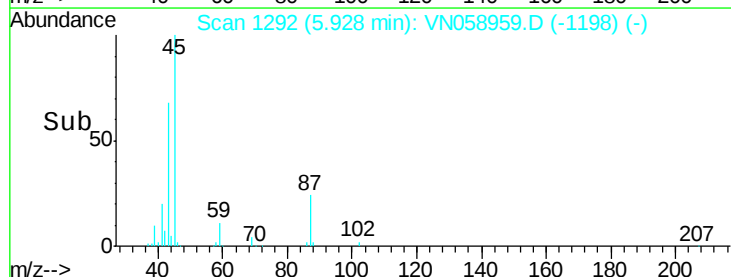
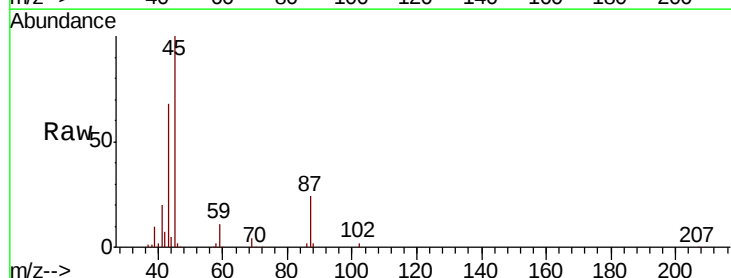
Ion Ratio Lower Upper

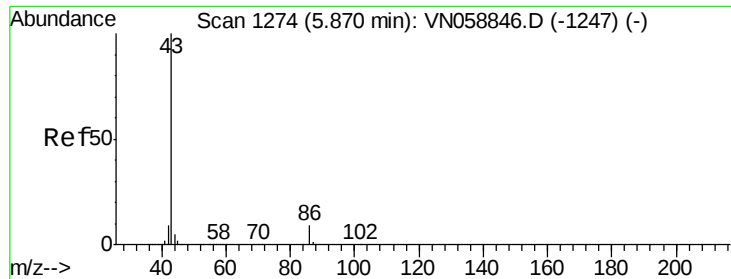
45 100

43 66.2 52.9 79.3

87 24.2 20.2 30.4

59 10.7 8.8 13.2





#23

Vinyl Acetate

Concen: 104.029 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 43 Resp: 1110089

Ion Ratio Lower Upper

43 100

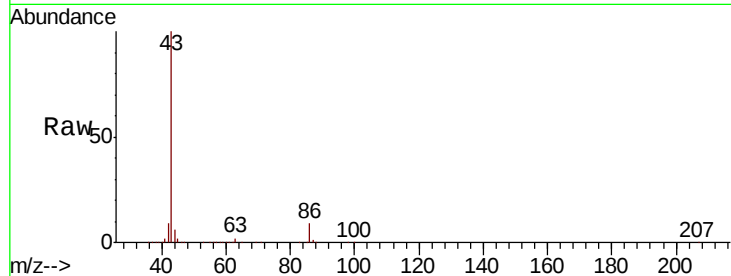
86 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

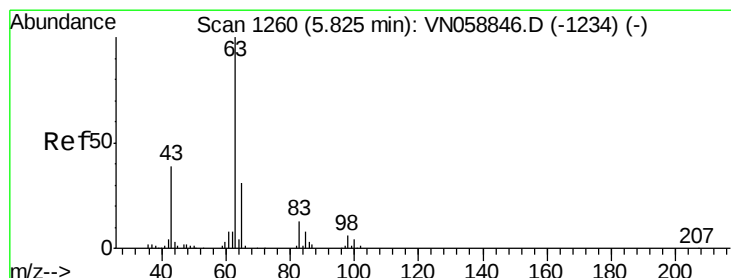
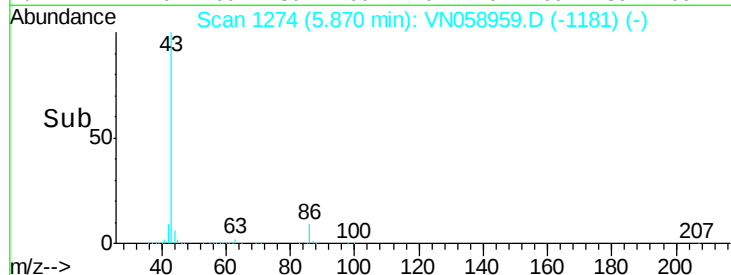
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.613 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

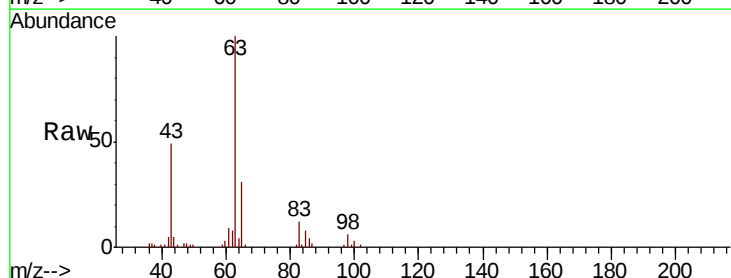
Tgt Ion: 63 Resp: 151047

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.83

60000

50000

40000

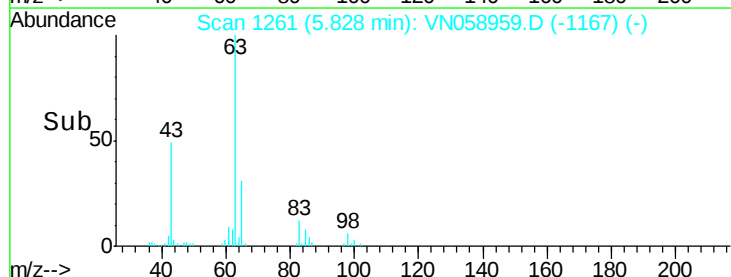
30000

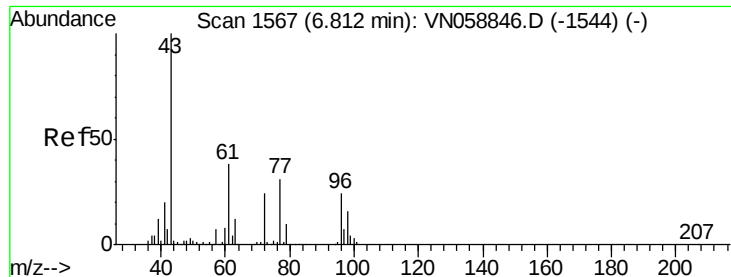
20000

10000

0

Time-->





#25

2-Butanone

Concen: 89.364 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 43 Resp: 286183

Ion Ratio Lower Upper

43 100

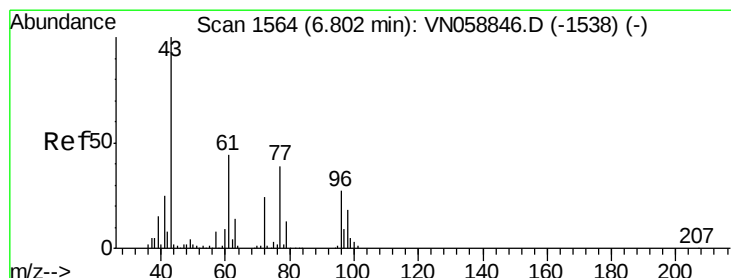
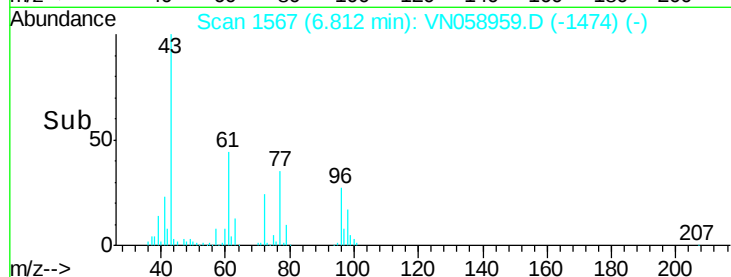
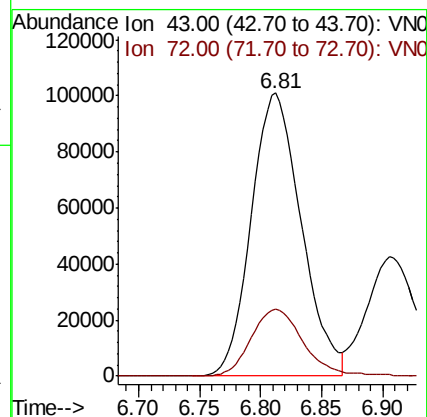
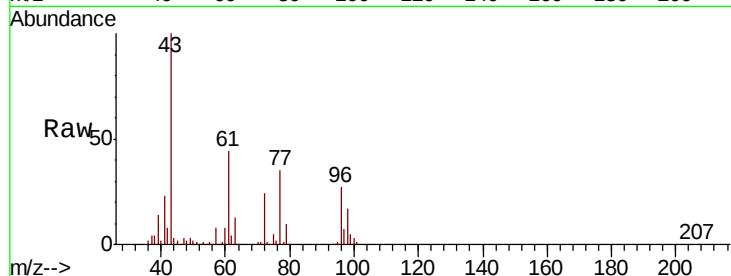
72 23.6 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



#26

2,2-Dichloropropane

Concen: 18.522 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058959.D

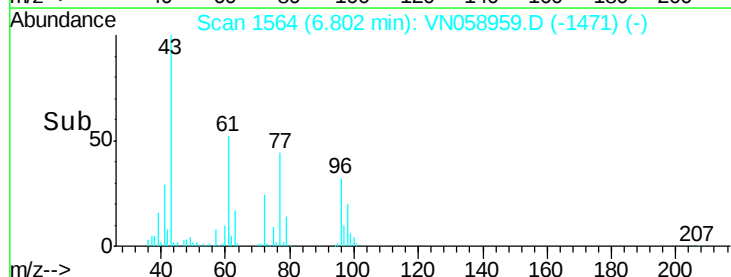
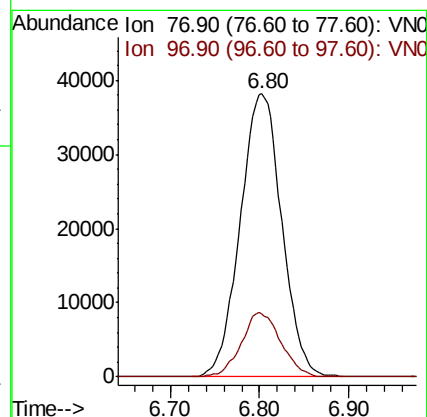
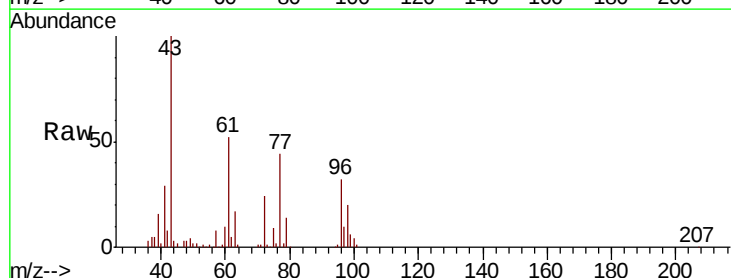
Acq: 24 Oct 2019 14:28

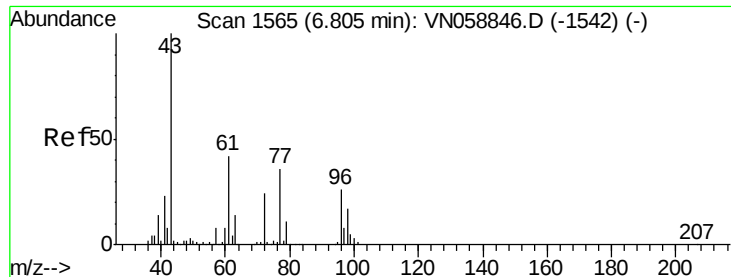
Tgt Ion: 77 Resp: 123383

Ion Ratio Lower Upper

77 100

97 21.6 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 19.713 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

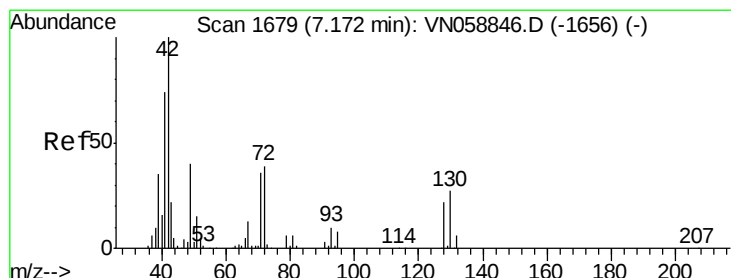
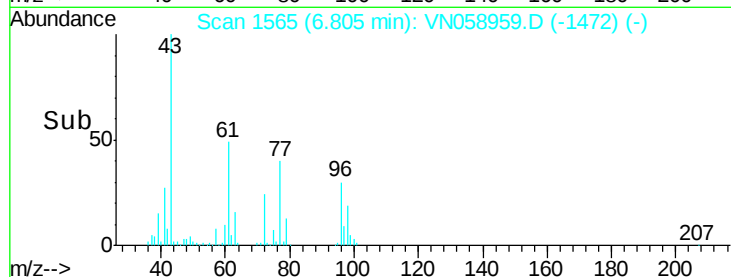
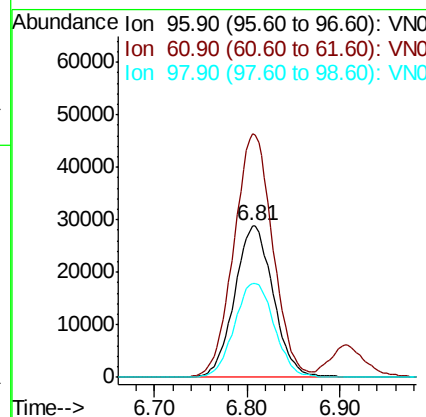
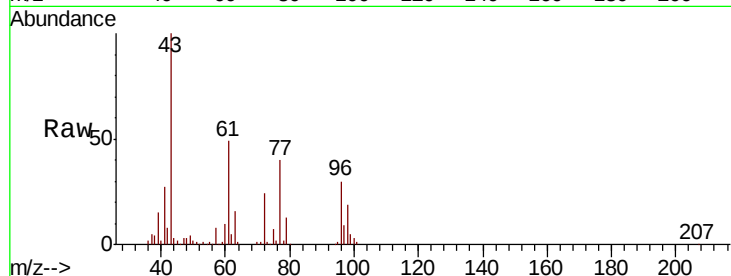
ClientSampleId :

VN1025WBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 83453 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 161.9 | 0.0   | 325.0 |
| 98       | 63.7  | 0.0   | 128.0 |

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#28

Bromochloromethane

Concen: 20.569 ug/l

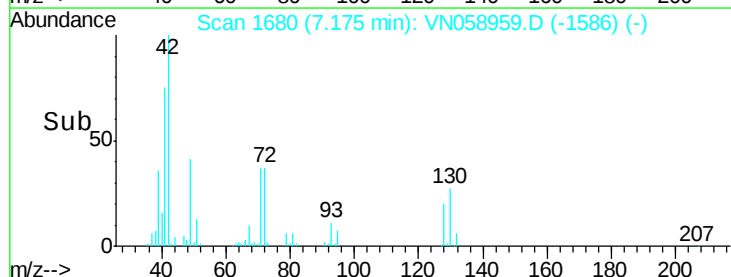
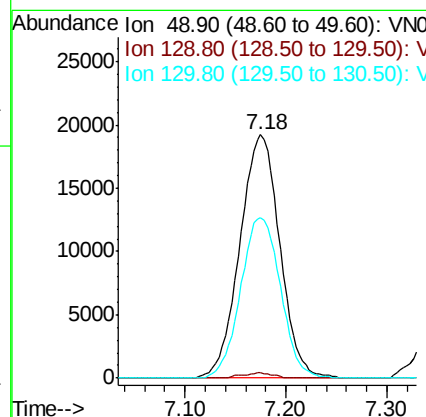
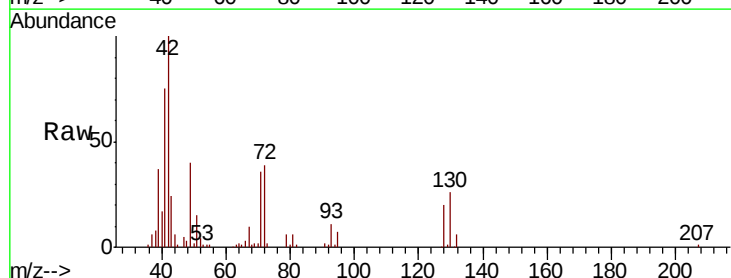
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 52756 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.2   | 0.0   | 3.2   |
| 130      | 65.9  | 53.5  | 80.3  |





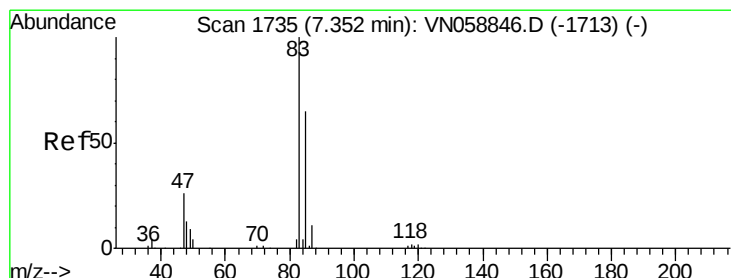
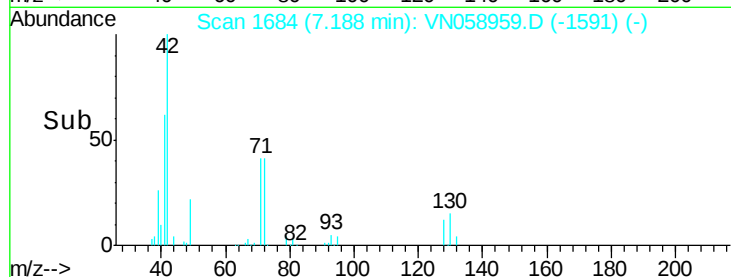
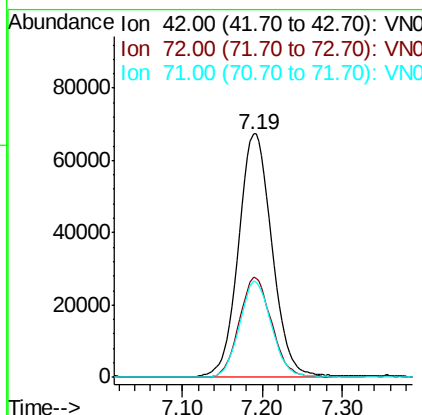
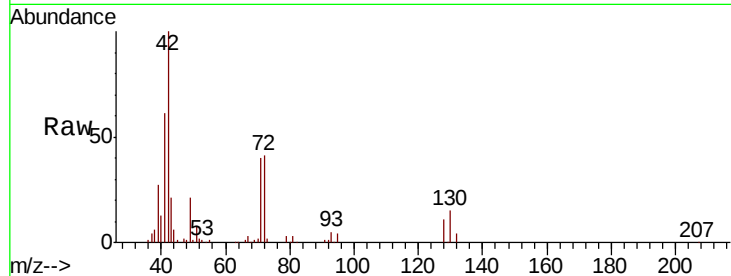
#29  
Tetrahydrofuran  
Concen: 98.108 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.4  | 32.2  | 48.2  |
| 71      | 37.3  | 30.6  | 45.8  |

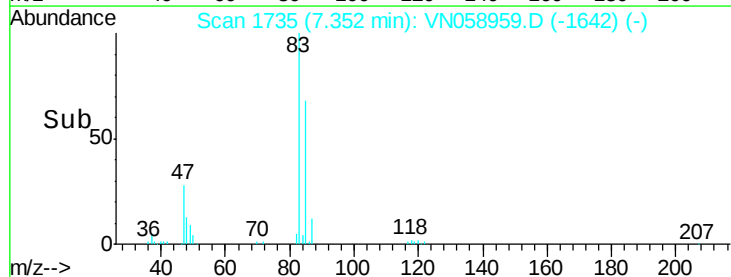
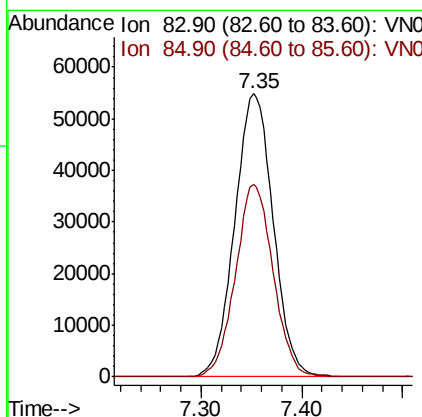
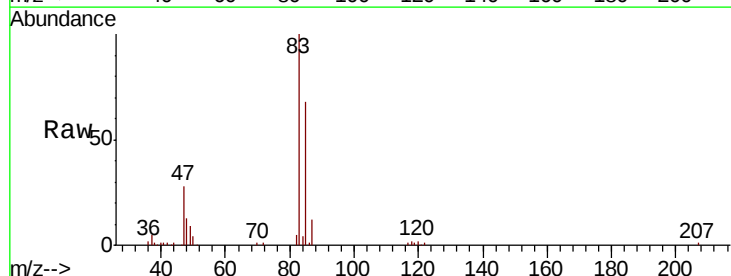
Manual Integrations  
APPROVED

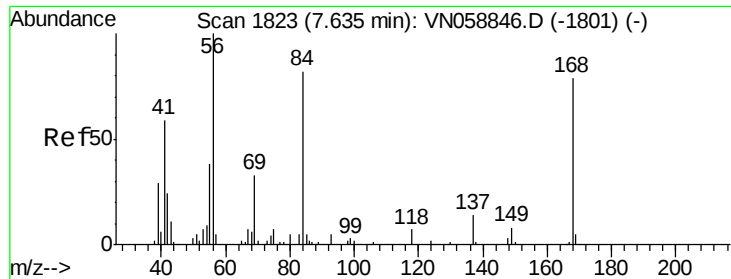
MMDadoda  
10/26/2019 1:16:06 AM



#30  
Chloroform  
Concen: 18.753 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.9  | 51.9  | 77.9  |





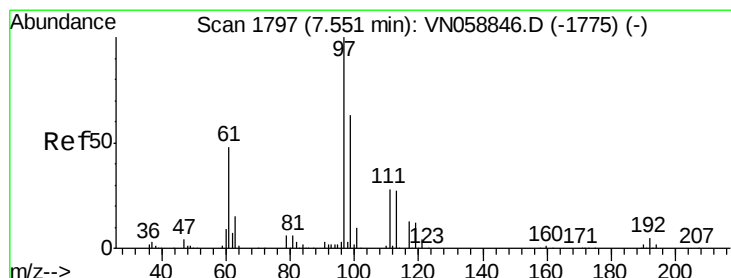
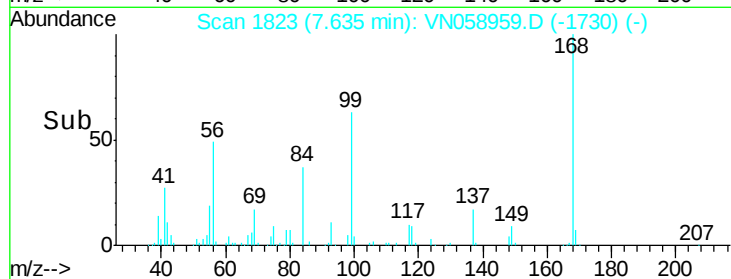
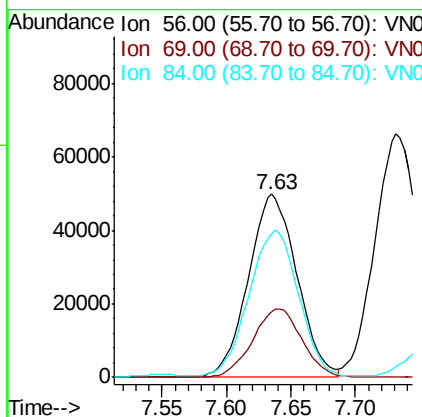
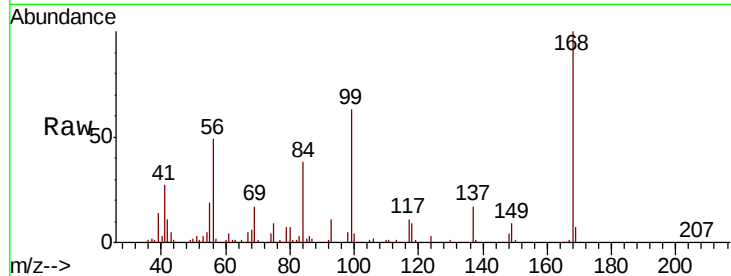
#31  
Cyclohexane  
Concen: 18.228 ug/l  
RT: 7.63 min Scan# 1823  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.7  | 26.2  | 39.4  |
| 84      | 77.7  | 65.6  | 98.4  |

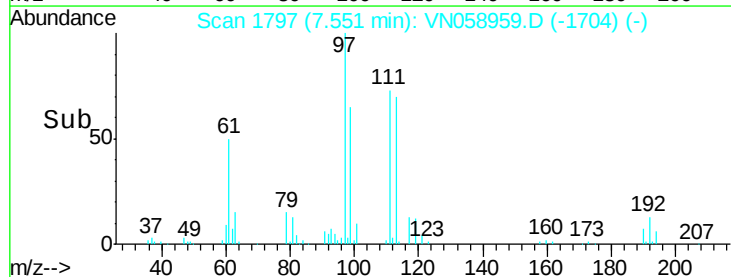
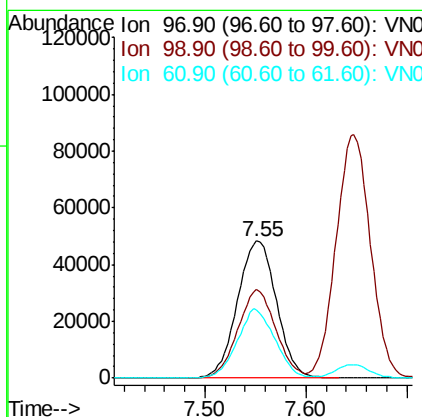
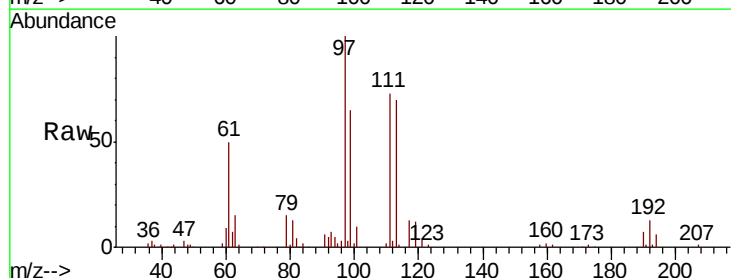
Manual Integrations  
APPROVED

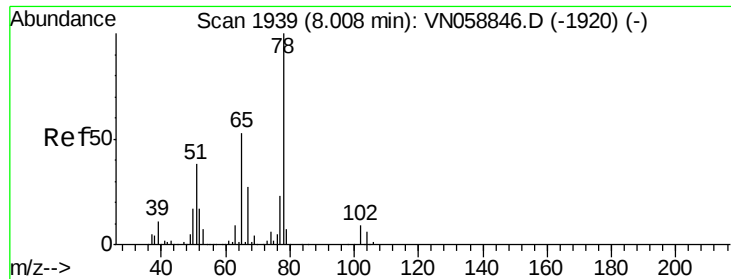
MMDadoda  
10/26/2019 1:16:06 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.929 ug/l  
RT: 7.55 min Scan# 1797  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.8  | 51.0  | 76.4  |
| 61      | 48.5  | 38.6  | 58.0  |





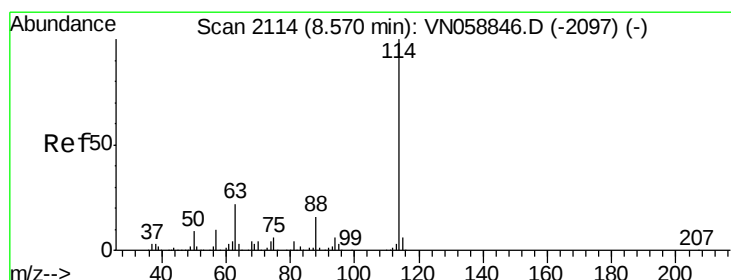
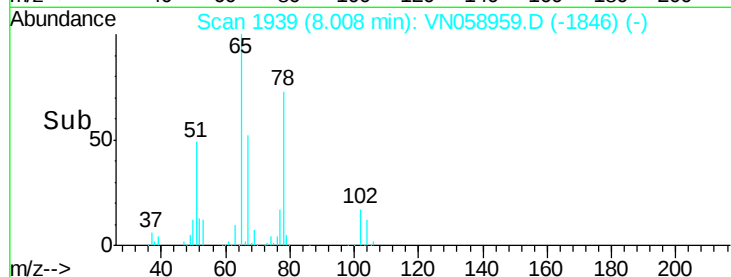
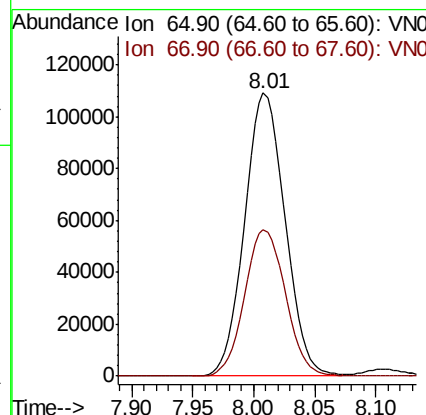
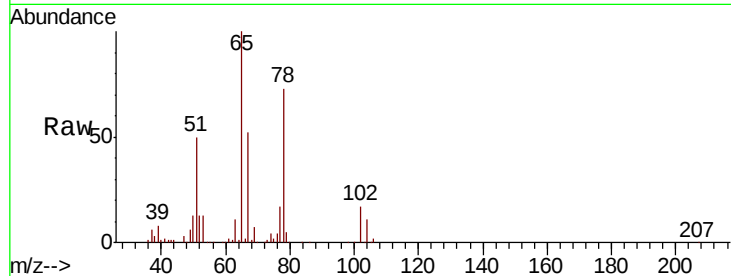
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.173 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 250491 |       |       |
| 67      | 52.3  | 0.0    | 103.2 |       |

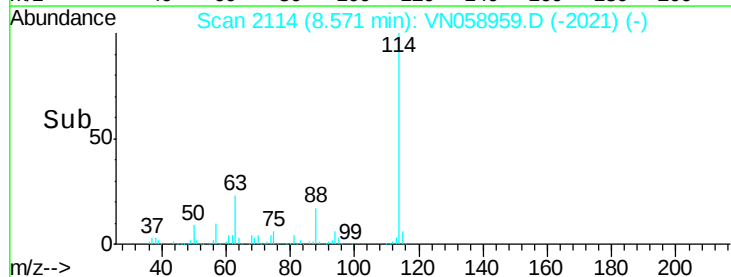
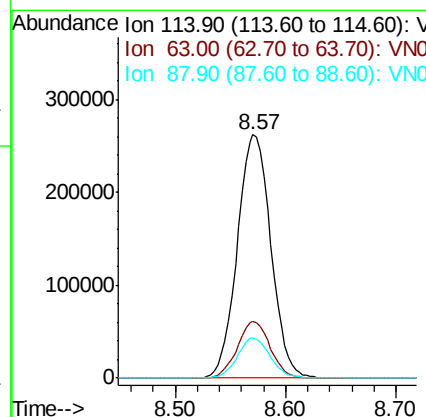
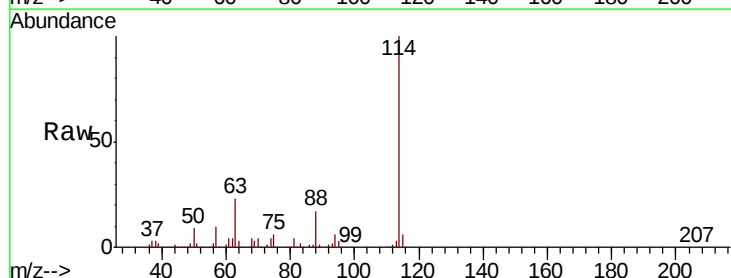
Manual Integrations  
 APPROVED

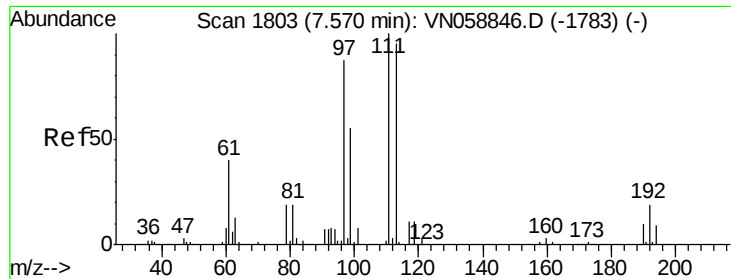
MMDadoda  
 10/26/2019 1:16:06 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 552757 |       |       |
| 63      | 23.3  | 0.0    | 44.4  |       |
| 88      | 16.6  | 0.0    | 31.4  |       |





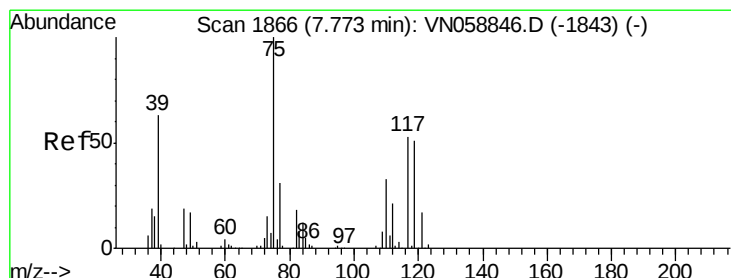
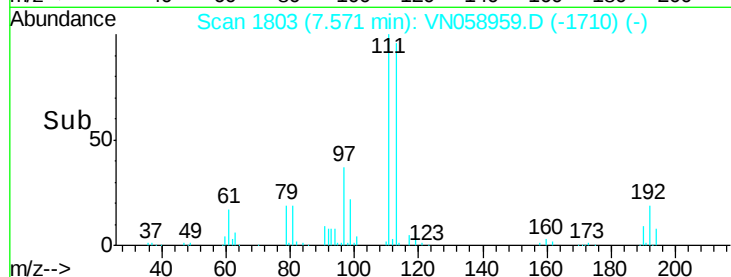
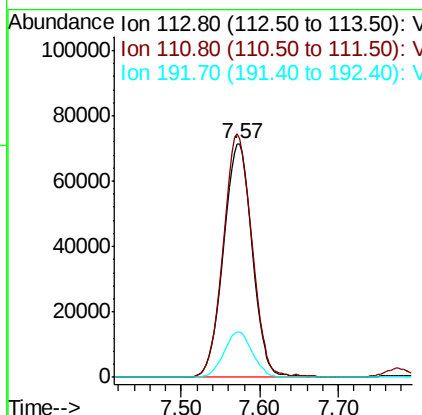
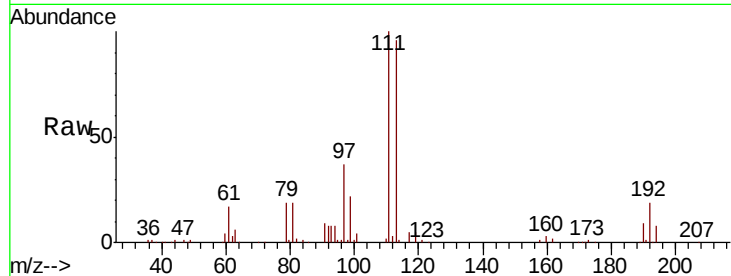
#35  
 Dibromofluoromethane  
 Concen: 49.644 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 180417 |       |       |
| 111     | 103.1 | 82.0   | 123.0 |       |
| 192     | 19.2  | 15.0   | 22.6  |       |

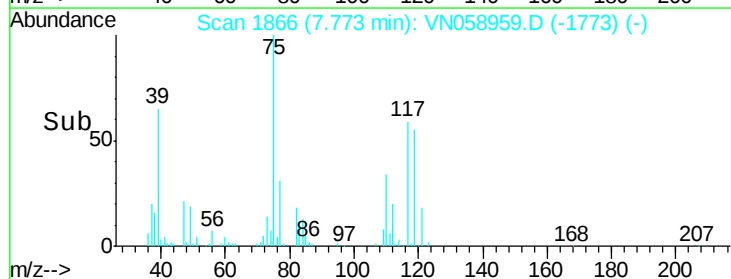
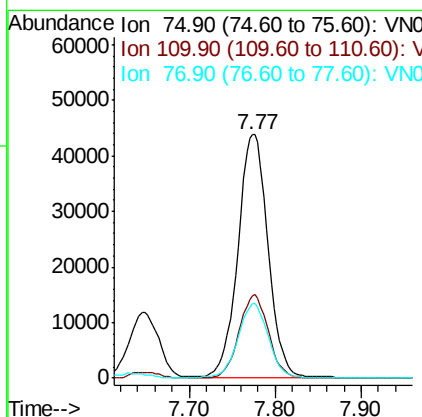
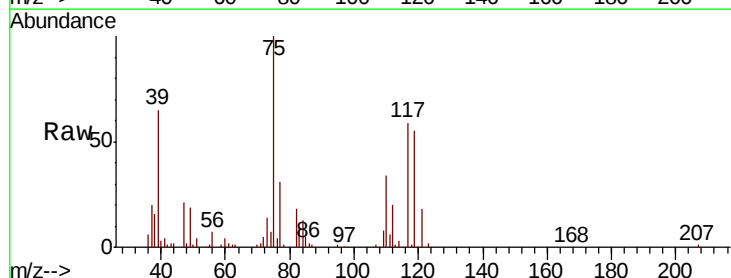
Manual Integrations  
 APPROVED

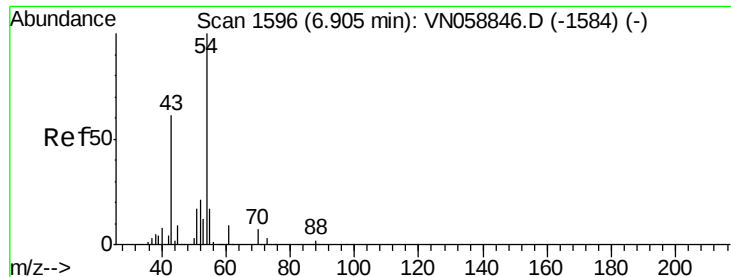
MMDadoda  
 10/26/2019 1:16:06 AM



#36  
 1,1-Dichloropropene  
 Concen: 18.922 ug/l  
 RT: 7.77 min Scan# 1866  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 107083 |       |       |
| 110     | 33.2  | 16.3   | 48.9  |       |
| 77      | 30.8  | 24.6   | 36.8  |       |





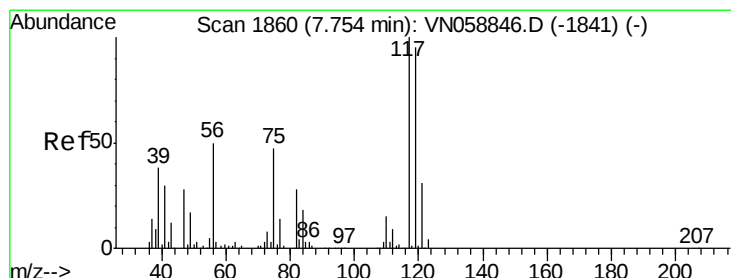
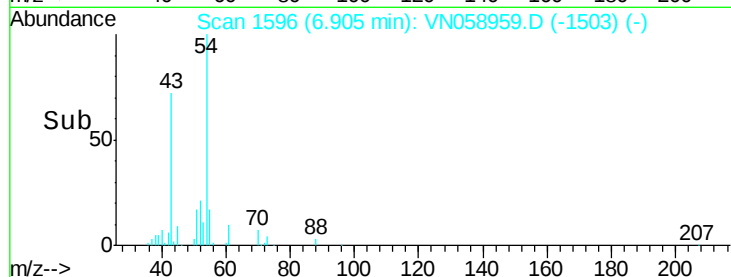
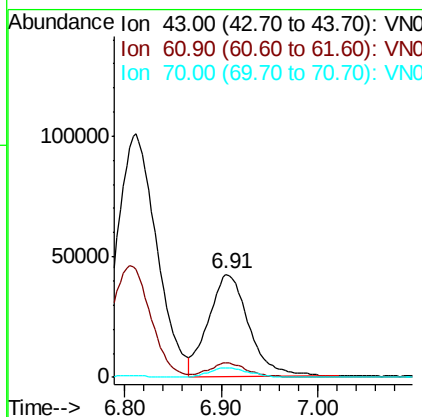
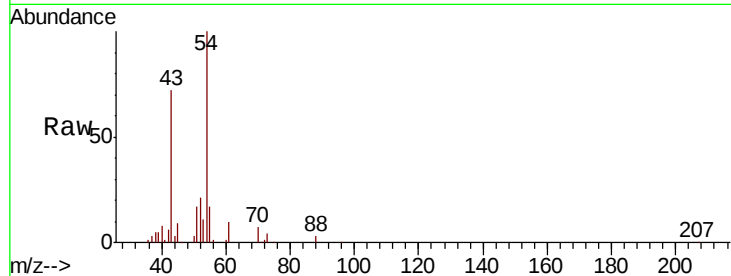
#37  
Ethyl Acetate  
Concen: 19.908 ug/l  
RT: 6.91 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.5  | 10.5  | 15.7  |
| 70      | 9.2   | 7.6   | 11.4  |

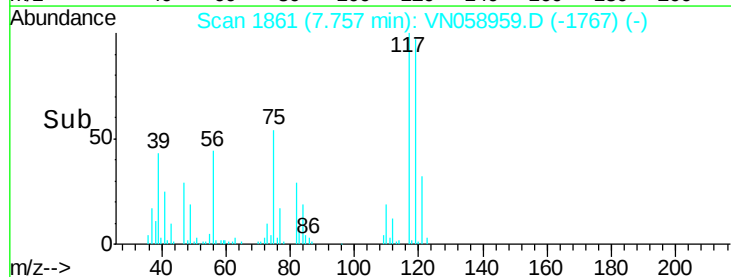
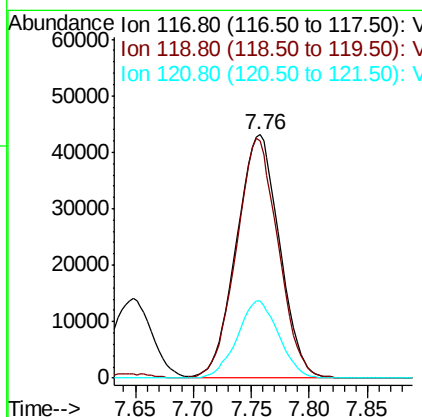
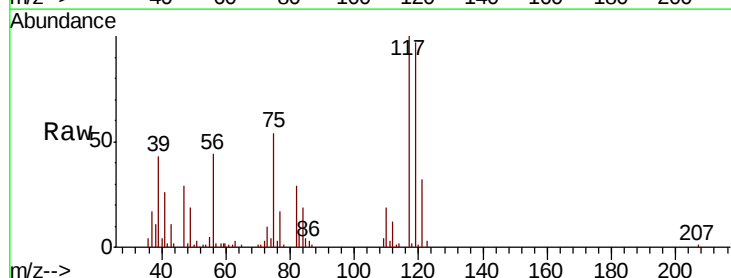
Manual Integrations  
APPROVED

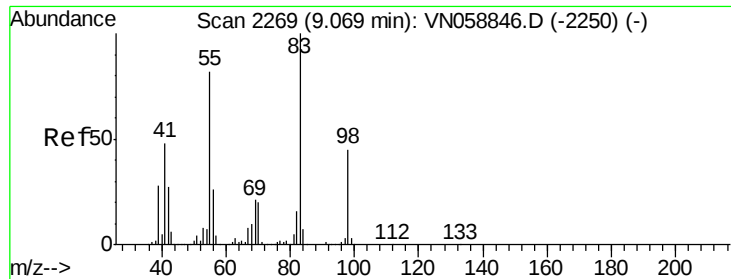
MMDadoda  
10/26/2019 1:16:06 AM



#38  
Carbon Tetrachloride  
Concen: 19.109 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.2  | 75.7  | 113.5 |
| 121     | 31.6  | 25.0  | 37.6  |





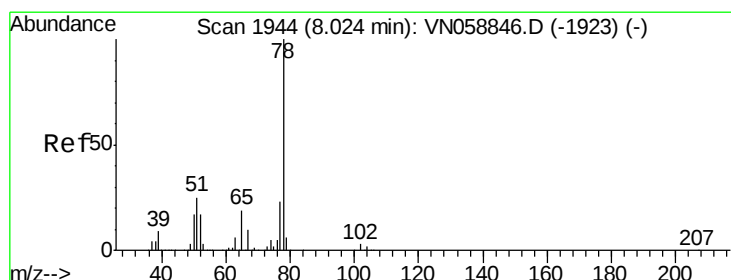
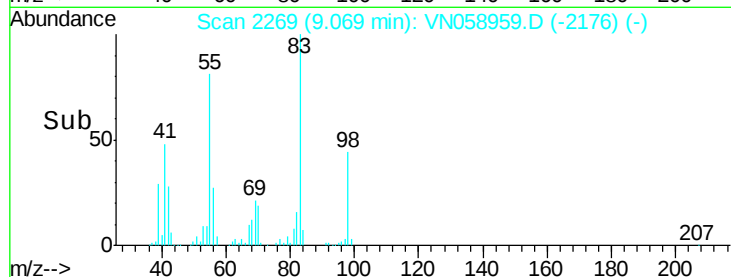
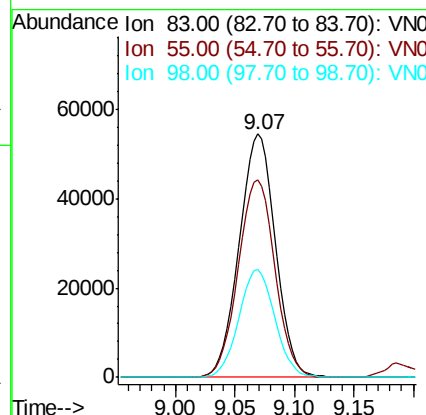
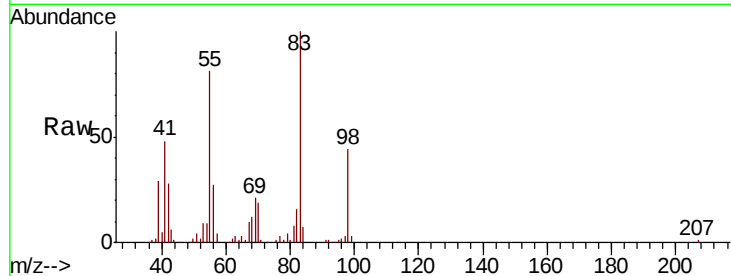
#39  
Methvlcvclohexane  
Concen: 18.094 ug/l  
RT: 9.07 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.9  | 65.5  | 98.3  |
| 98      | 44.3  | 35.7  | 53.5  |

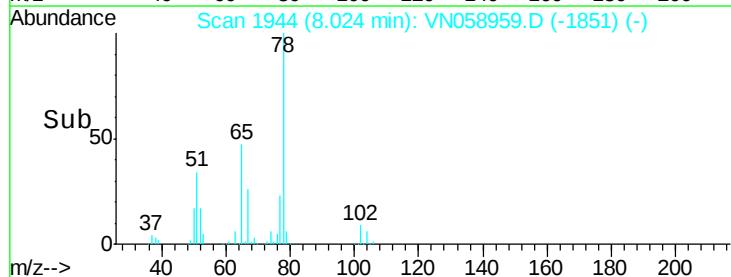
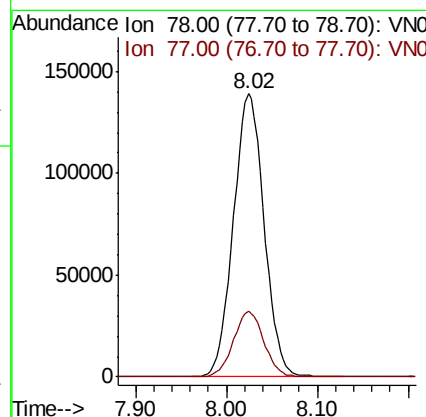
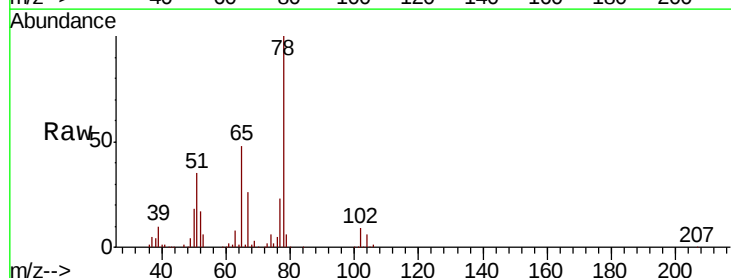
Manual Integrations  
APPROVED

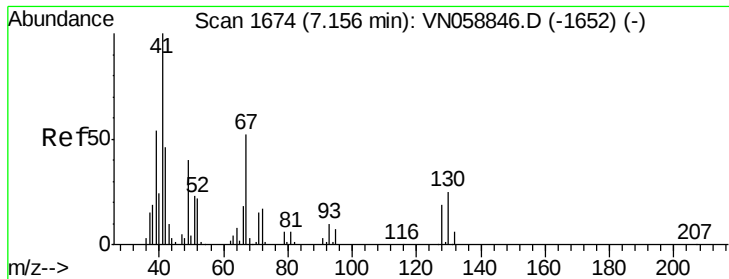
MMDadoda  
10/26/2019 1:16:06 AM



#40  
Benzene  
Concen: 19.627 ug/l  
RT: 8.02 min Scan# 1944  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.2  | 27.2  |





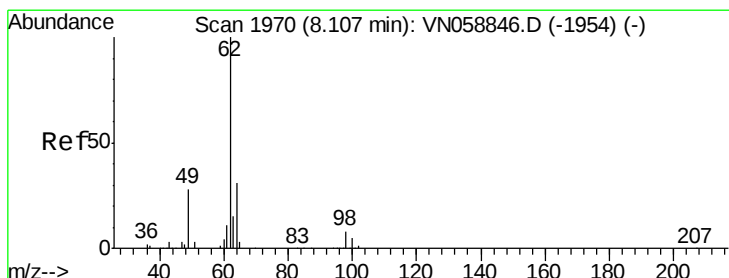
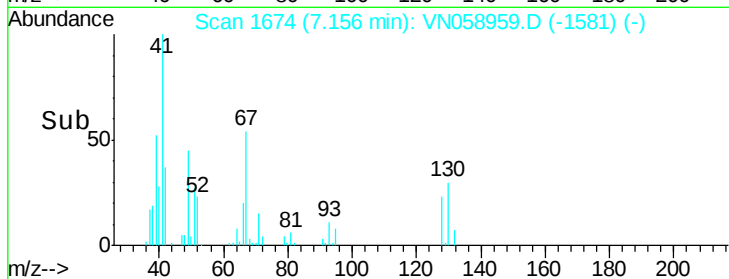
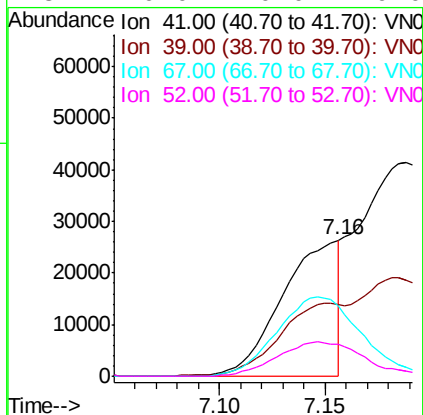
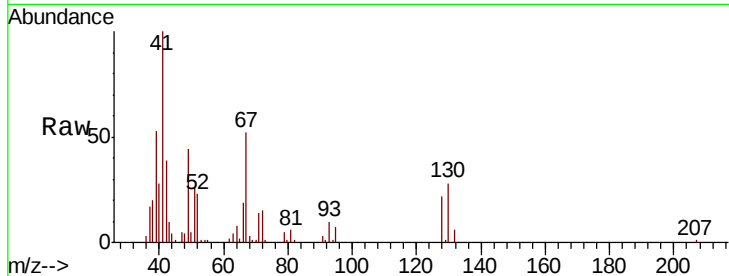
#41  
Methacrylonitrile  
Concen: 17.788 ug/l m  
RT: 7.16 min Scan# 1674  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 41      | 100 |       | 48851 |       |       |
| 39      | 0.0 | 0.0   | 0.0   |       |       |
| 67      | 0.0 | 0.0   | 0.0   |       |       |
| 52      | 0.0 | 0.0   | 0.0   |       |       |

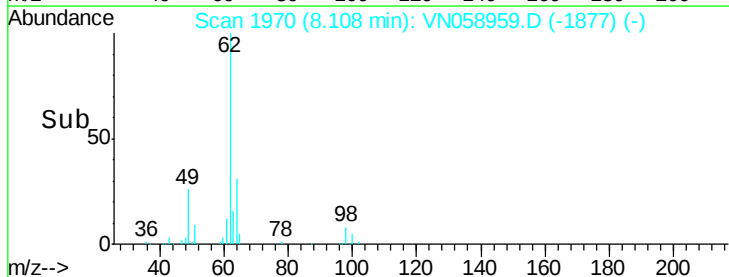
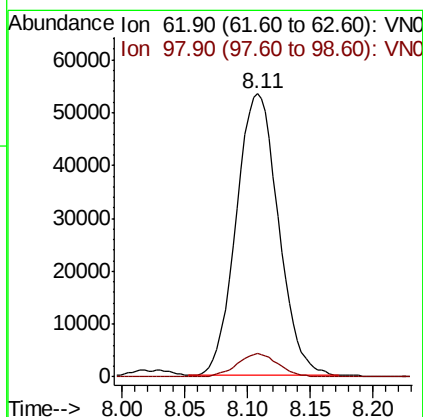
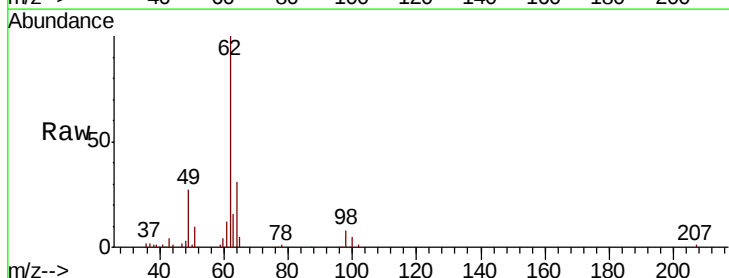
Manual Integrations  
APPROVED

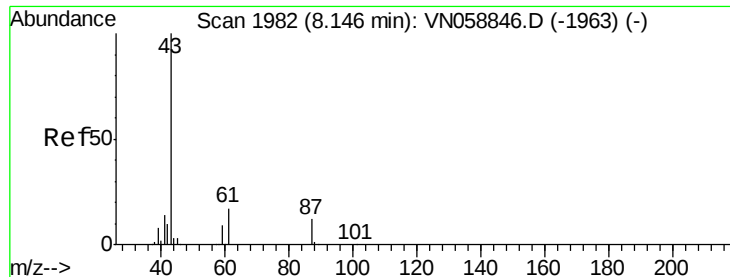
MMDadoda  
10/26/2019 1:16:06 AM



#42  
1,2-Dichloroethane  
Concen: 19.508 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 124879 |       |       |
| 98      | 8.0 | 0.0   | 16.2   |       |       |





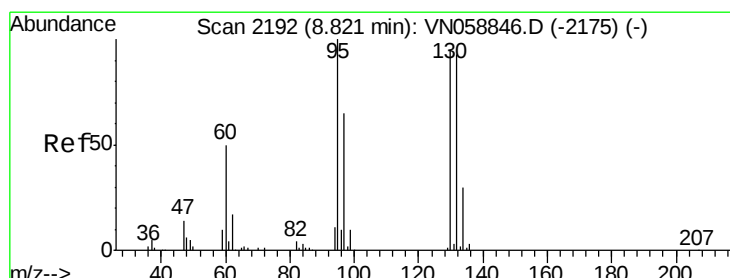
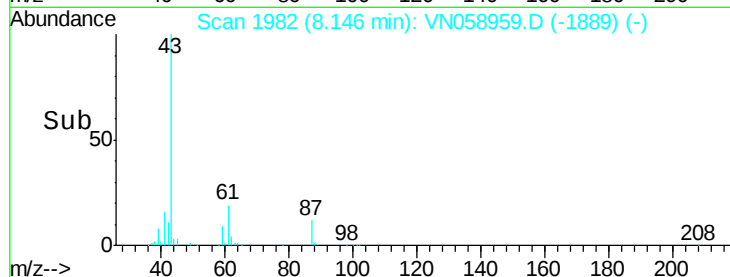
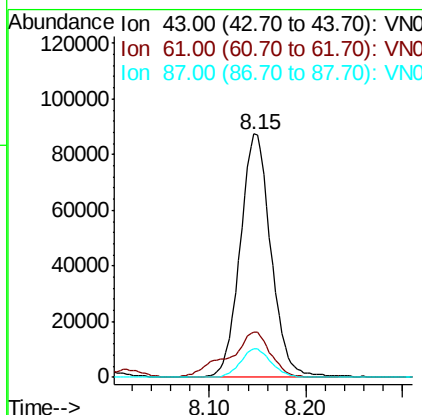
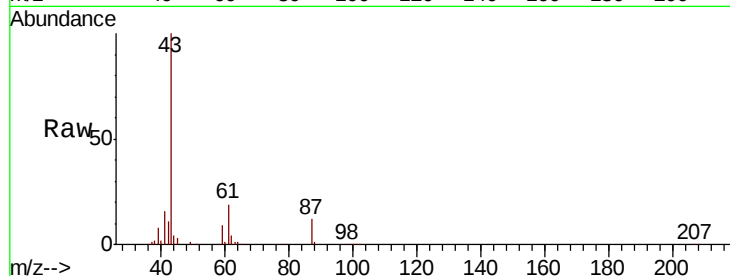
#43  
Isopropyl Acetate  
Concen: 19.538 ug/l  
RT: 8.15 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.2  | 20.2  | 30.2  |
| 87      | 11.7  | 9.5   | 14.3  |

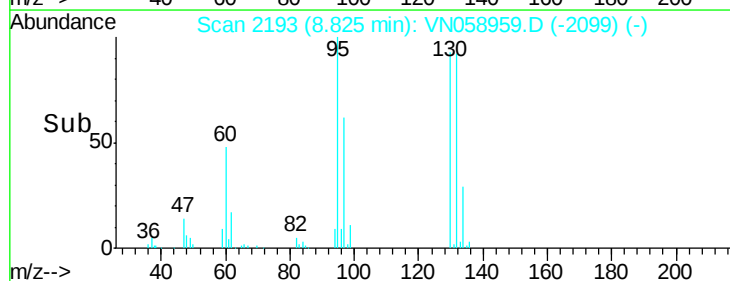
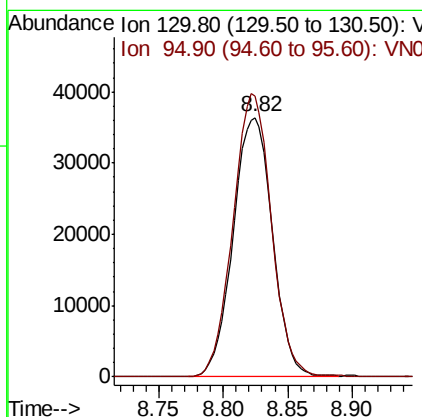
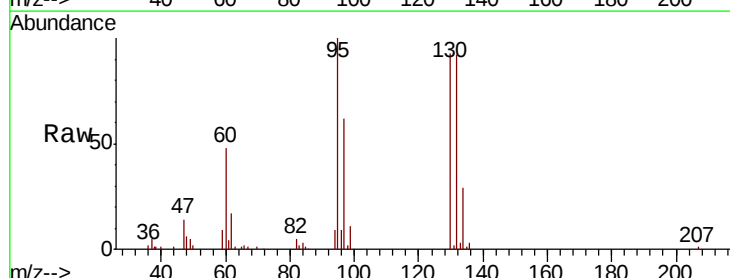
Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#44  
Trichloroethene  
Concen: 19.078 ug/l  
RT: 8.82 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 108.1 | 0.0   | 209.6 |





#45

1,2-Dichloropropane

Concen: 19.905 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 63 Resp: 90705

Ion Ratio Lower Upper

63 100

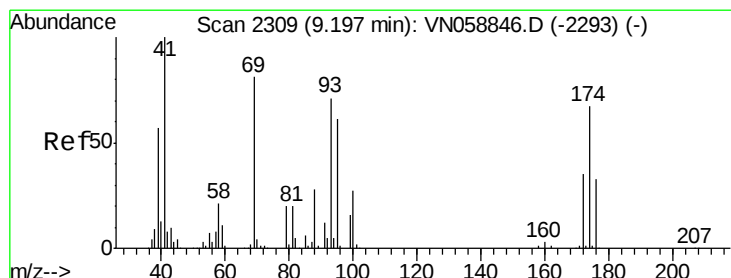
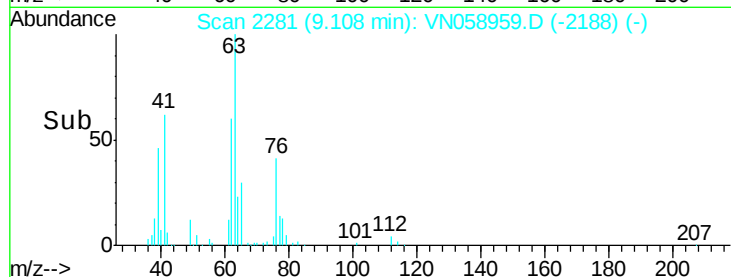
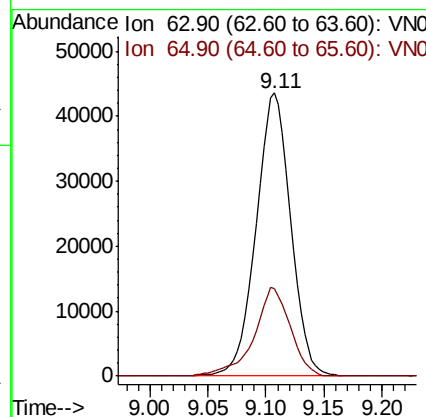
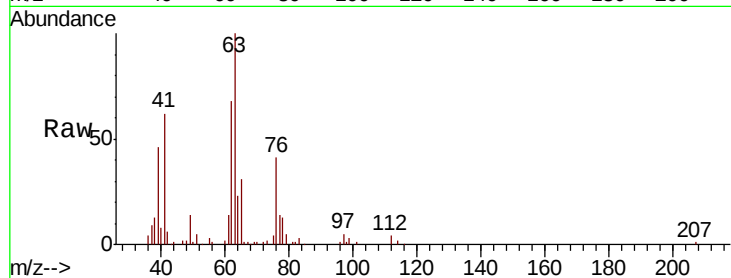
65 30.8 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



#46

Dibromomethane

Concen: 19.555 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

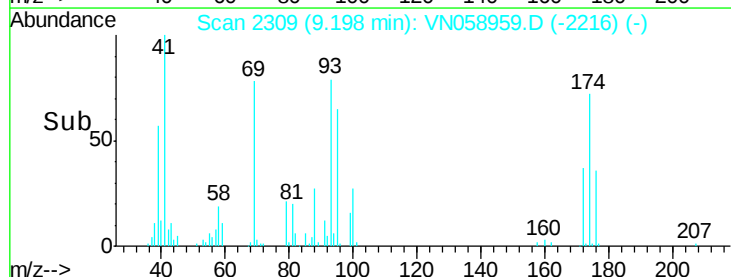
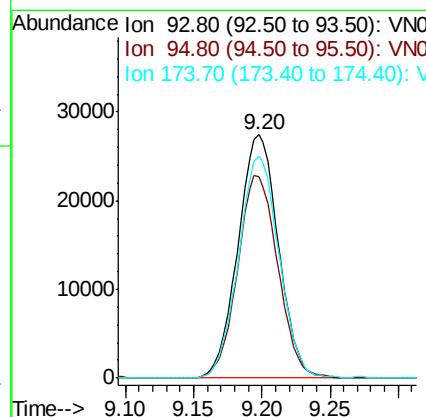
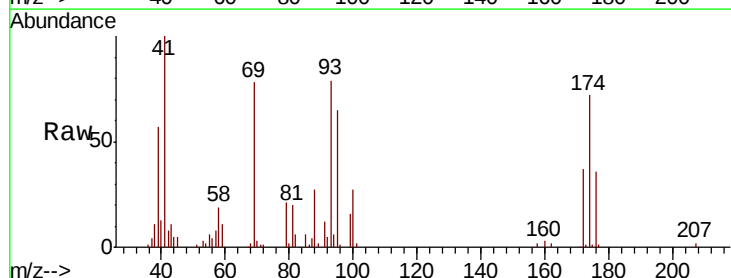
Tgt Ion: 93 Resp: 56334

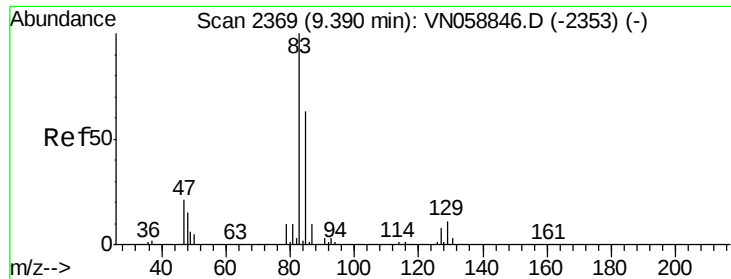
Ion Ratio Lower Upper

93 100

95 82.9 67.6 101.4

174 91.3 74.1 111.1





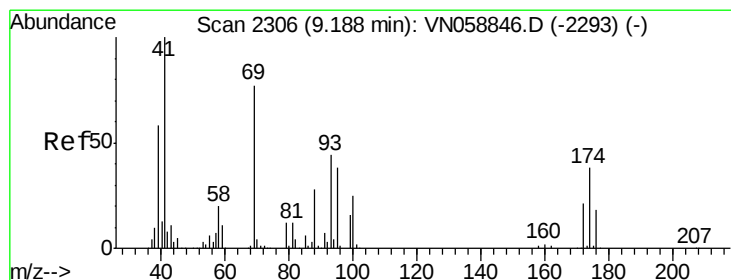
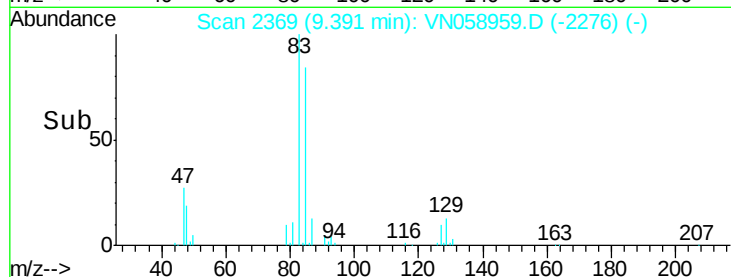
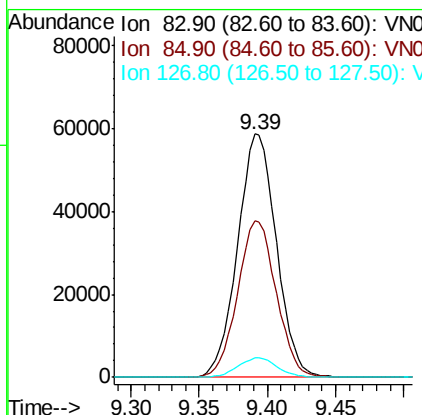
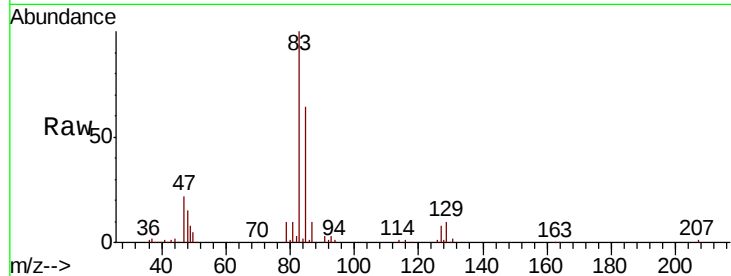
#47  
Bromodichloromethane  
Concen: 19.528 ug/l  
RT: 9.39 min Scan# 2369  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion   | 83   | Resp | 115944 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 85        | 64.2 | 50.6 | 75.8   |
| 127       | 7.9  | 6.5  | 9.7    |

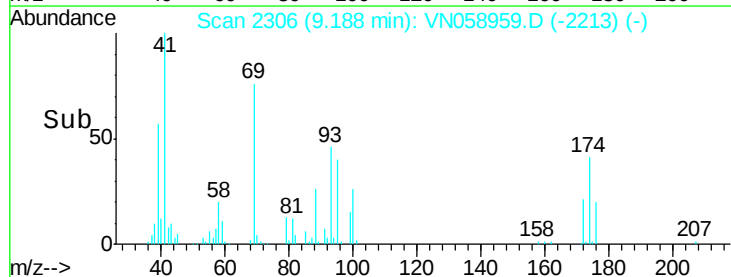
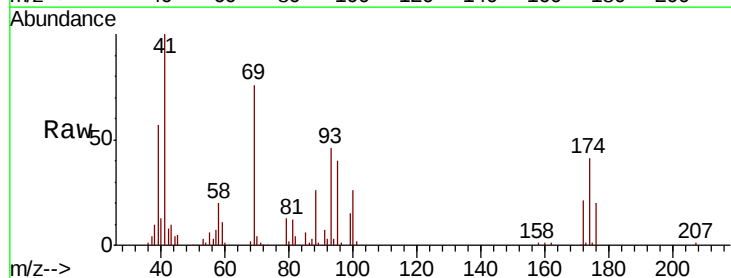
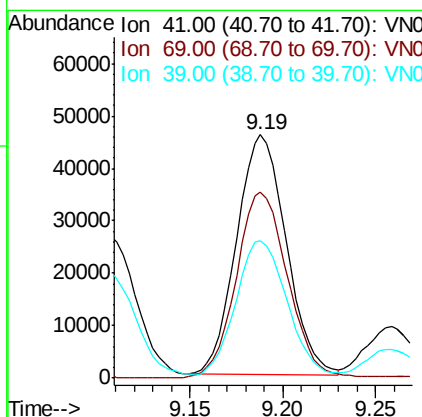
Manual Integrations  
APPROVED

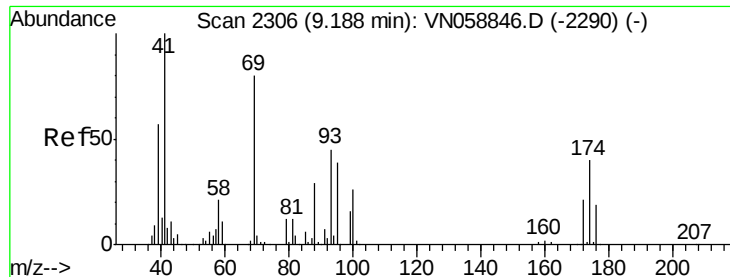
MMDadoda  
10/26/2019 1:16:06 AM



#48  
Methyl methacrylate  
Concen: 18.992 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion   | 41   | Resp | 85213 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 69        | 81.0 | 63.8 | 95.6  |
| 39        | 59.7 | 47.8 | 71.8  |





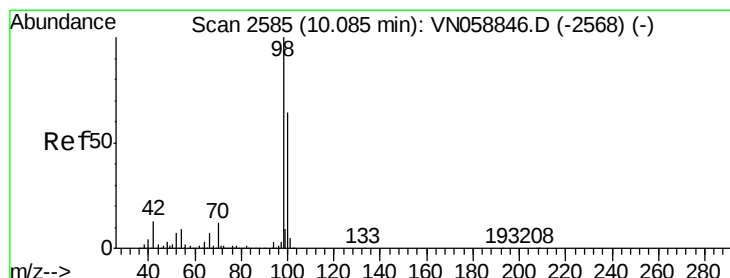
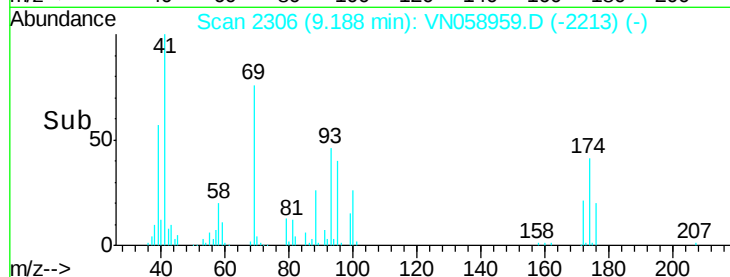
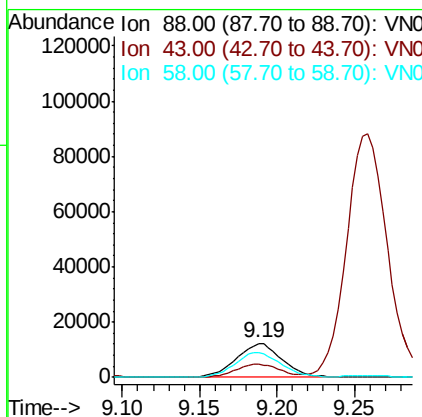
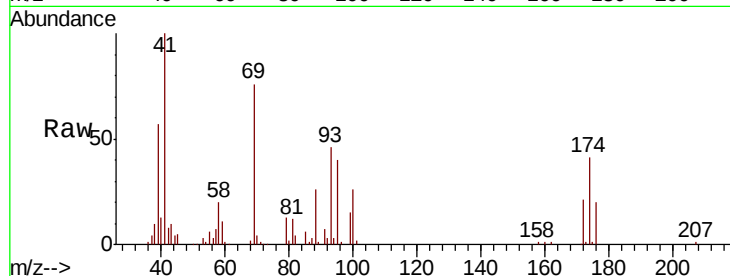
#49  
1,4-Dioxane  
Concen: 338.963 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.2  | 29.1  | 43.7  |
| 58      | 75.0  | 59.4  | 89.0  |

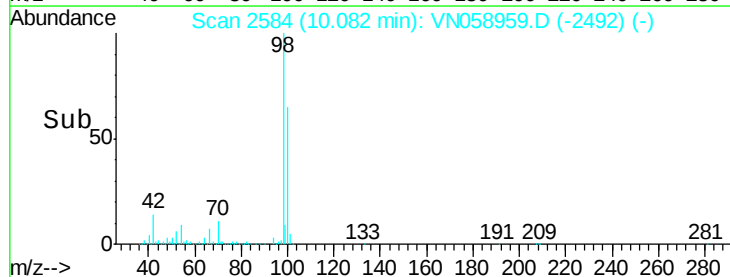
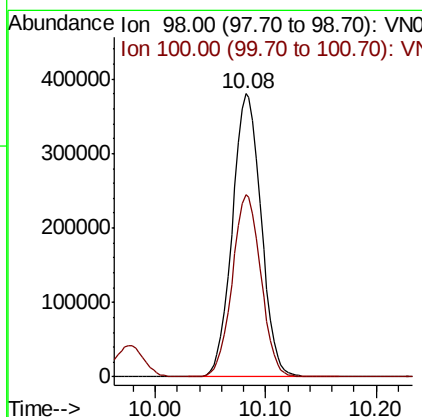
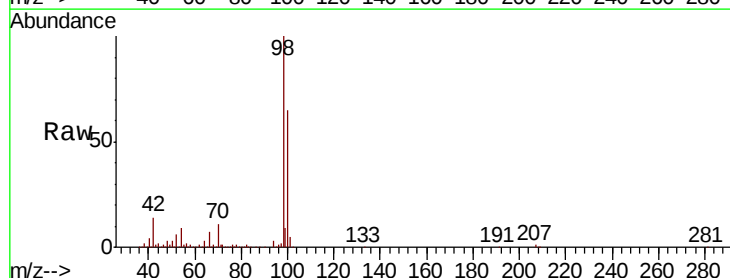
Manual Integrations  
APPROVED

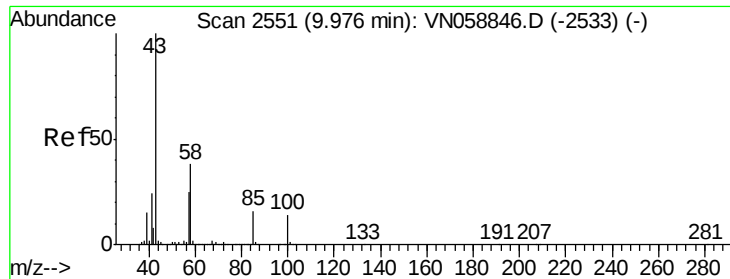
MMDadoda  
10/26/2019 1:16:06 AM



#50  
Toluene-d8  
Concen: 48.744 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. -0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 51.4  | 77.2  |





#51

4-Methyl-2-Pentanone

Concen: 104.697 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 43 Resp: 604756

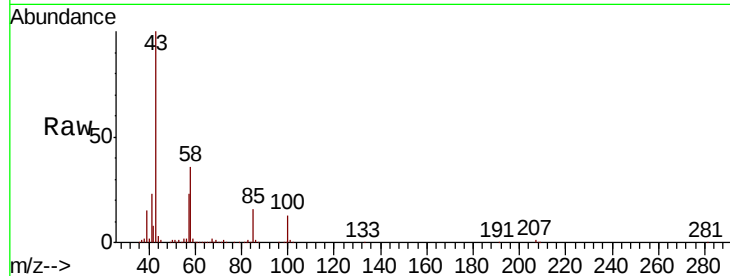
Ion Ratio Lower Upper

43 100

58 36.4 29.9 44.9

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

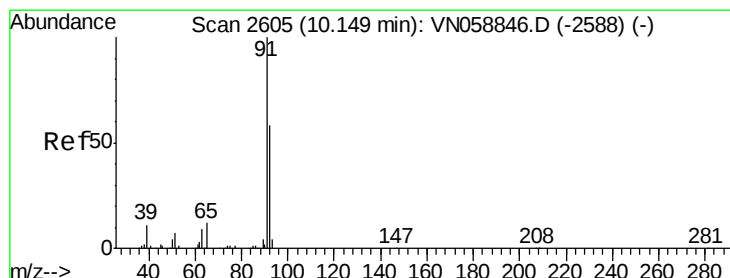
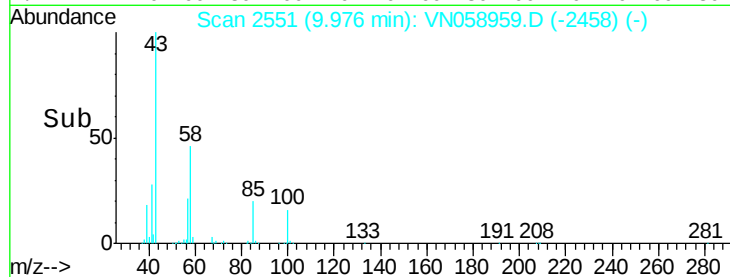
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.837 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058959.D

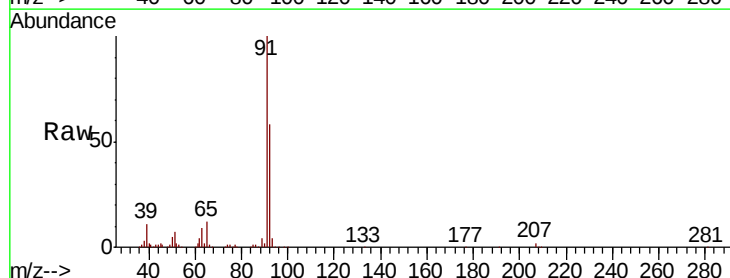
Acq: 24 Oct 2019 14:28

Tgt Ion: 92 Resp: 195481

Ion Ratio Lower Upper

92 100

91 176.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

200000

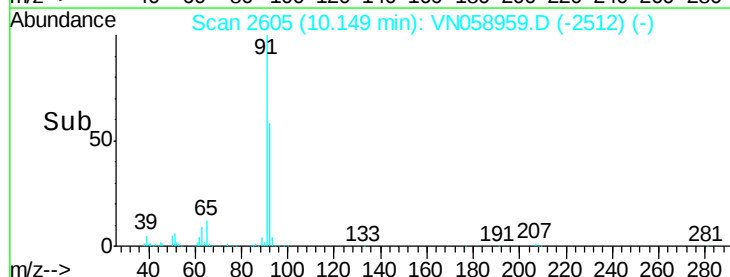
150000

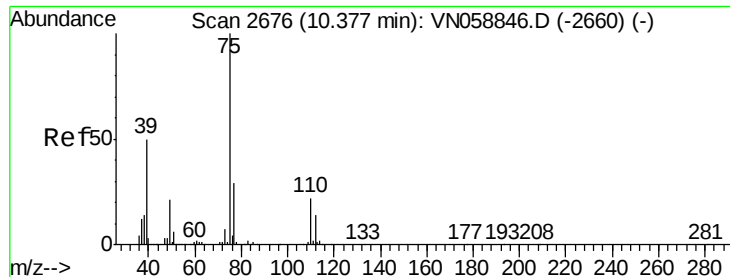
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.461 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 75 Resp: 127914

Ion Ratio Lower Upper

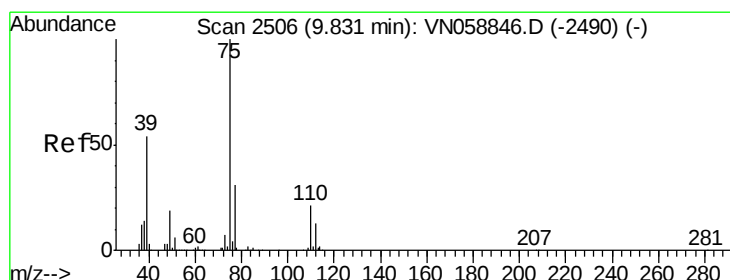
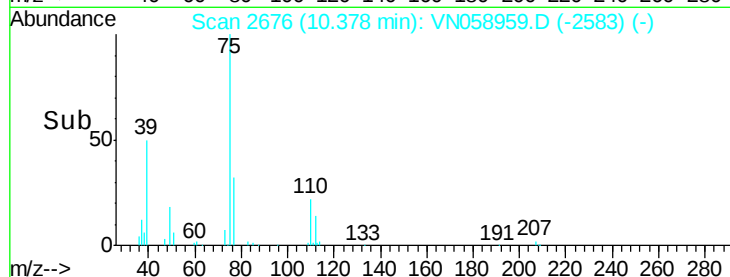
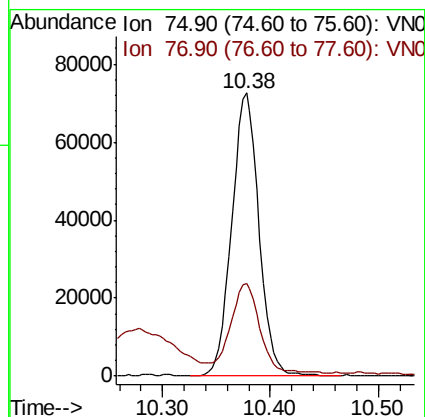
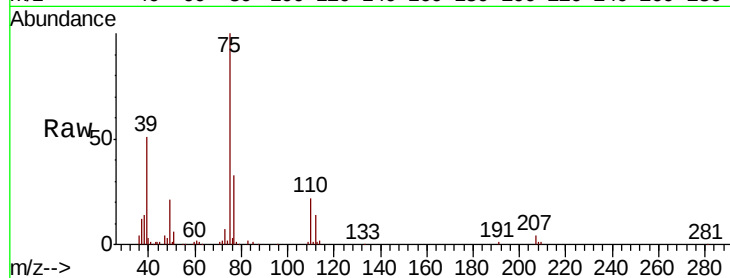
75 100

77 31.5 25.7 38.5

Manual Integrations  
APPROVED

MMDadoda

10/26/2019 1:16:06 AM



#54

cis-1,3-Dichloropropene

Concen: 19.320 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

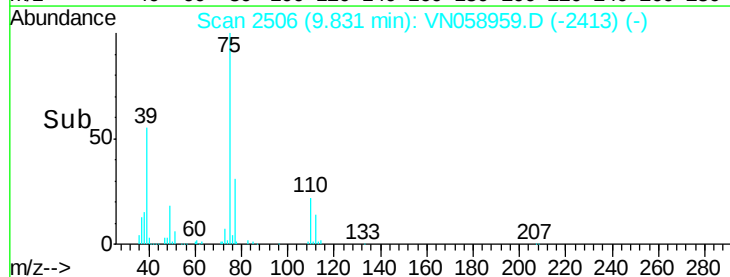
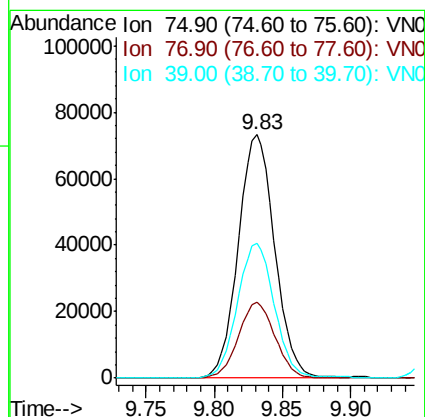
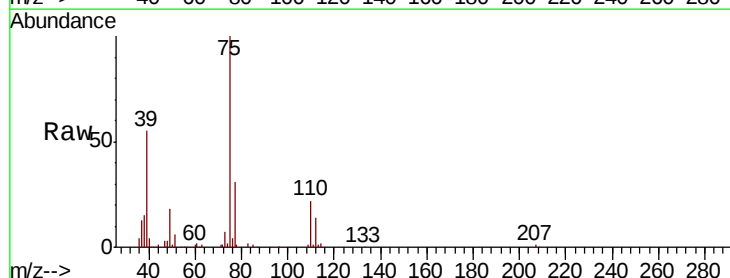
Tgt Ion: 75 Resp: 135669

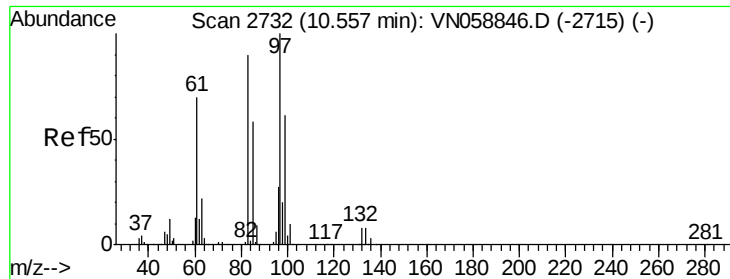
Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

39 55.4 43.5 65.3





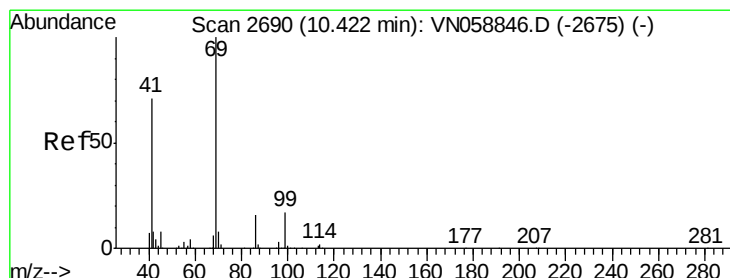
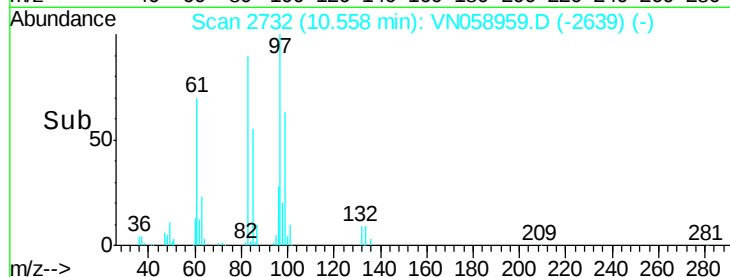
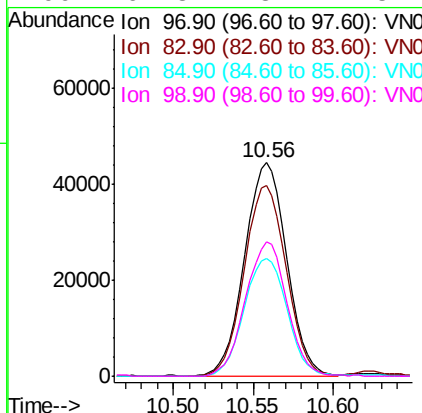
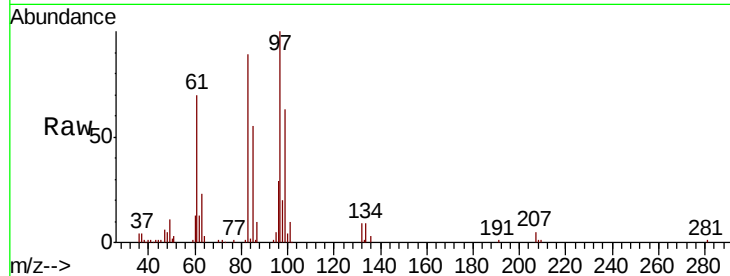
#55  
 1,1,2-Trichloroethane  
 Concen: 19.735 ug/l  
 RT: 10.56 min Scan# 2732  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 89.3  | 72.2  | 108.4 |
| 85      | 55.1  | 46.2  | 69.2  |
| 99      | 62.8  | 48.7  | 73.1  |

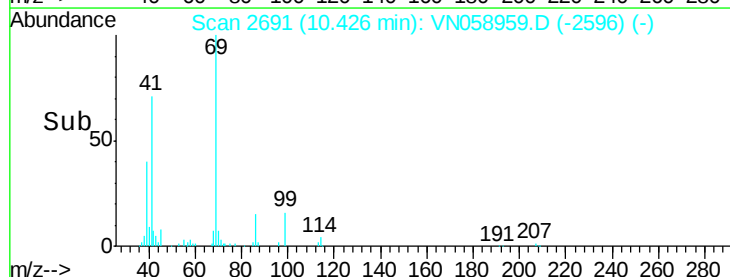
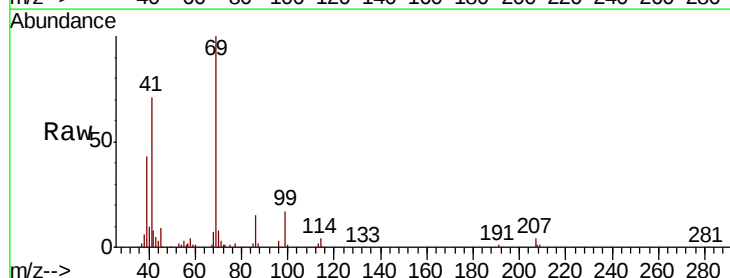
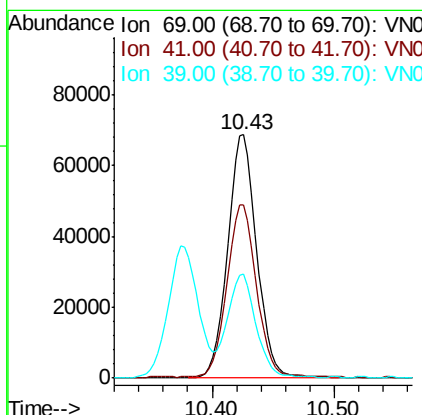
Manual Integrations  
 APPROVED

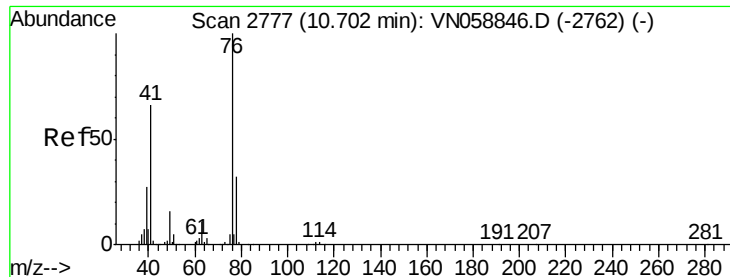
MMDadoda  
 10/26/2019 1:16:06 AM



#56  
 Ethyl methacrylate  
 Concen: 18.178 ug/l  
 RT: 10.43 min Scan# 2691  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 71.7  | 57.2  | 85.8  |
| 39      | 42.2  | 31.0  | 46.4  |





#57

1,3-Dichloropropane

Concen: 19.471 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 76 Resp: 138733

Ion Ratio Lower Upper

76 100

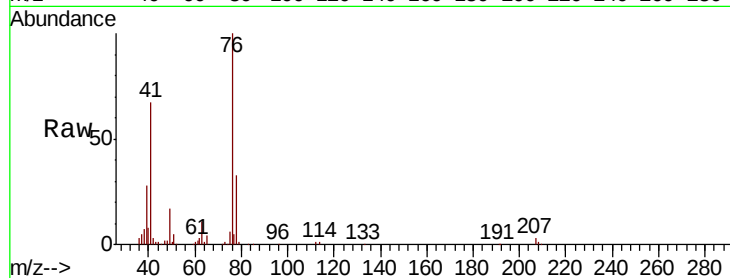
78 32.6 25.4 38.0

Manual Integrations

APPROVED

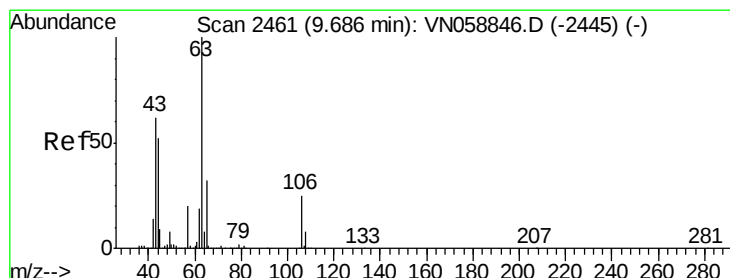
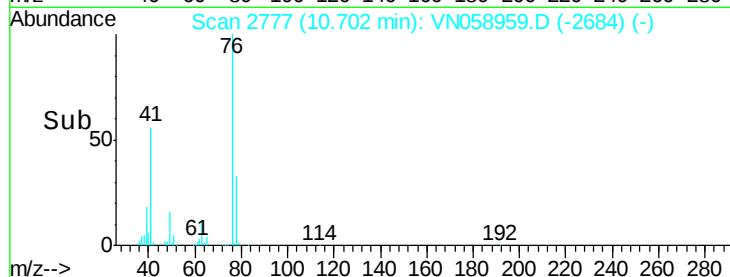
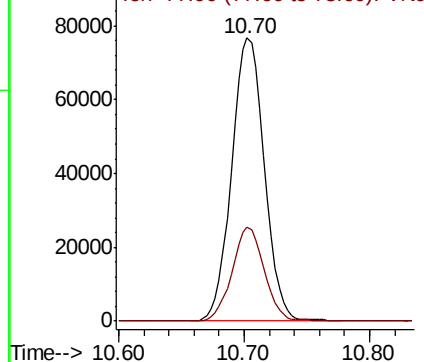
MMDadoda

10/26/2019 1:16:06 AM



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: 92.664 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058959.D

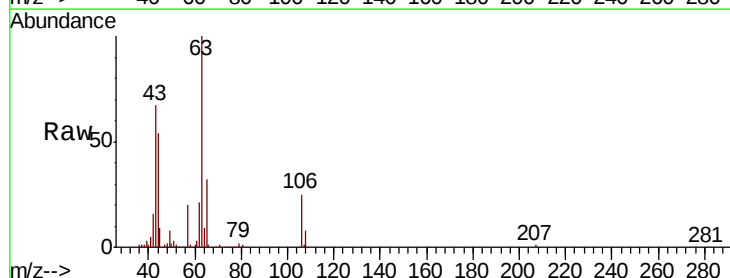
Acq: 24 Oct 2019 14:28

Tgt Ion: 63 Resp: 256334

Ion Ratio Lower Upper

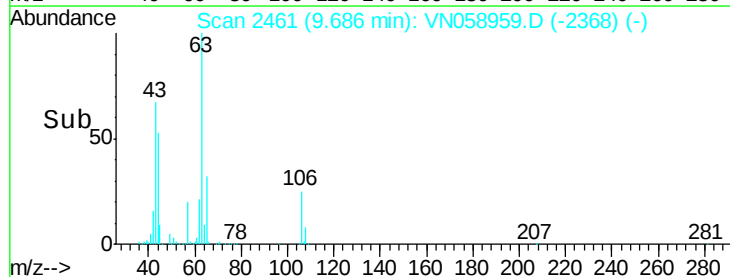
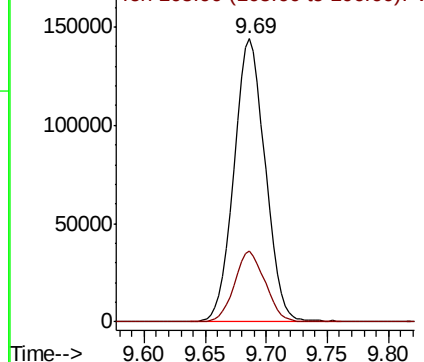
63 100

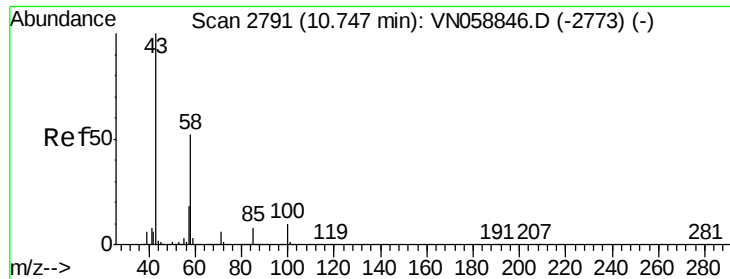
106 24.4 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





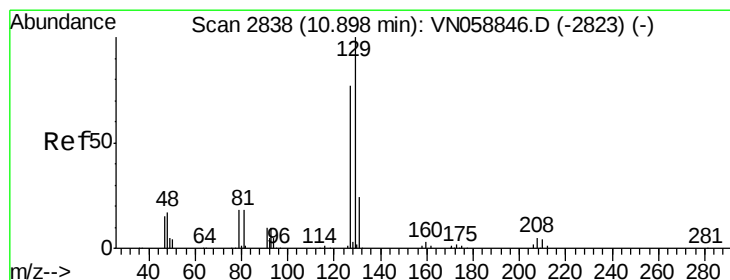
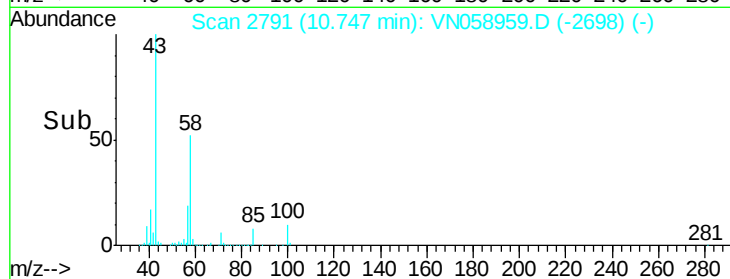
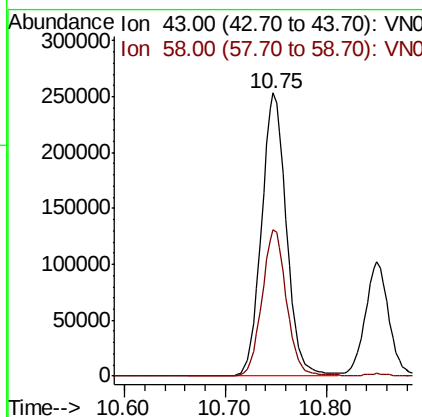
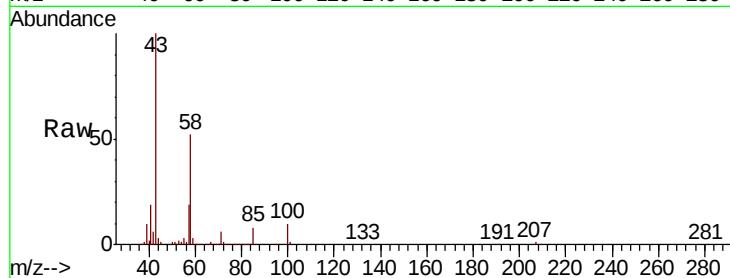
#59  
2-Hexanone  
Concen: 96.835 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

Tot Ion: 43 Resp: 432223  
Ion Ratio Lower Upper  
43 100  
58 51.1 25.9 77.7

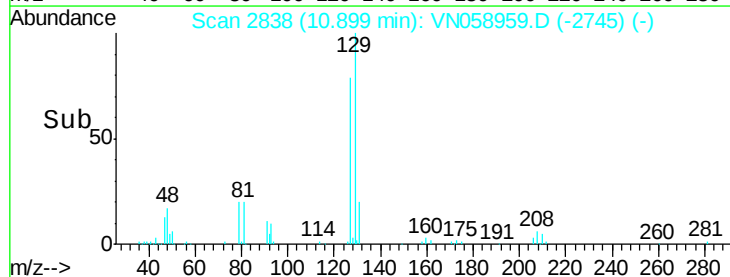
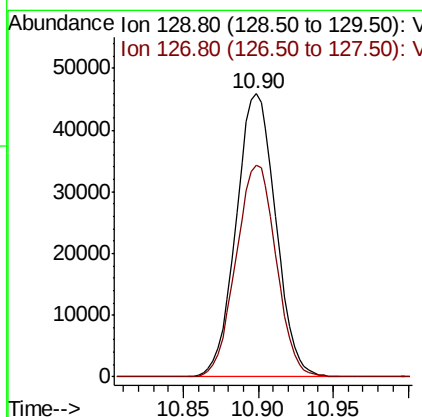
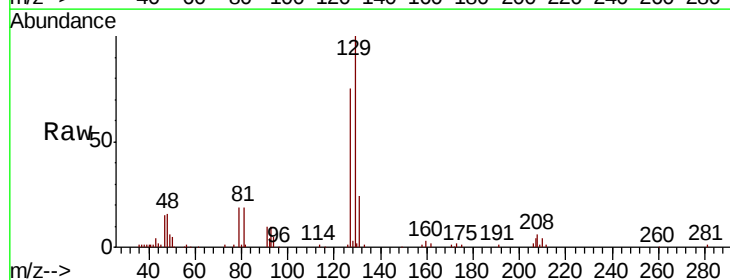
Manual Integrations  
APPROVED

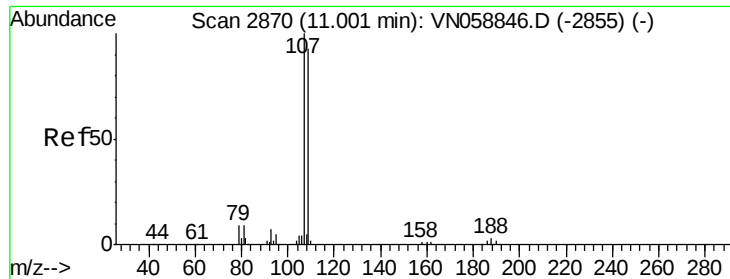
MMDadoda  
10/26/2019 1:16:06 AM



#60  
Dibromochloromethane  
Concen: 19.350 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Tgt Ion: 129 Resp: 84554  
Ion Ratio Lower Upper  
129 100  
127 75.9 39.1 117.3





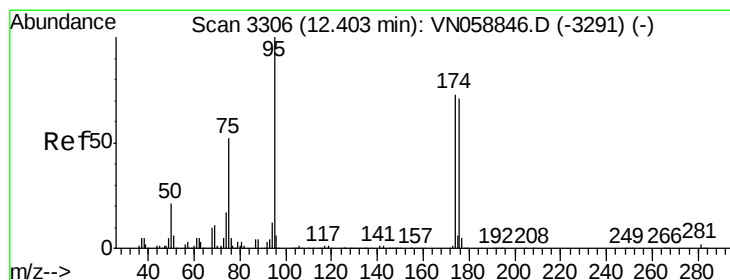
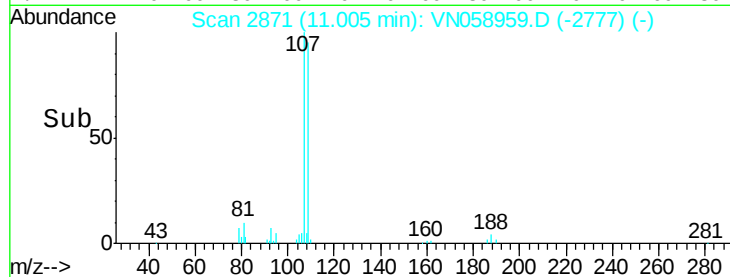
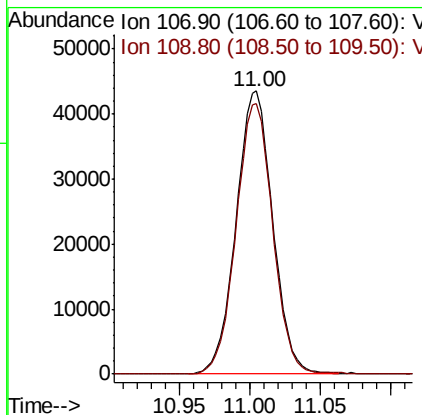
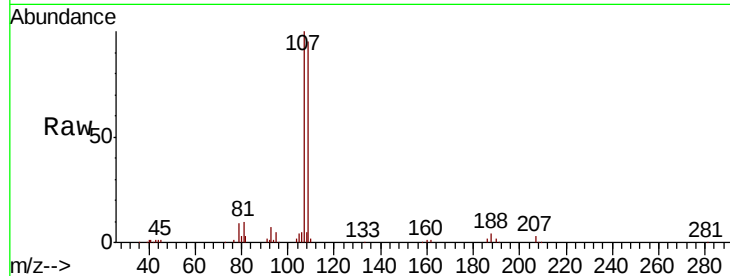
#61  
 1,2-Dibromoethane  
 Concen: 19.039 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

Tot Ion: 107 Resp: 79100  
 Ion Ratio Lower Upper  
 107 100  
 109 95.6 75.2 112.8

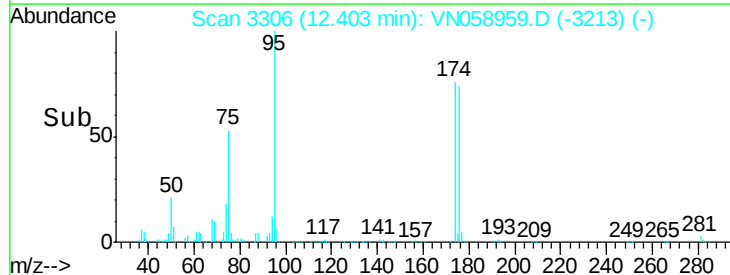
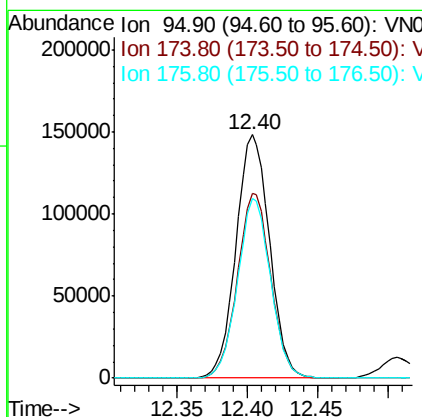
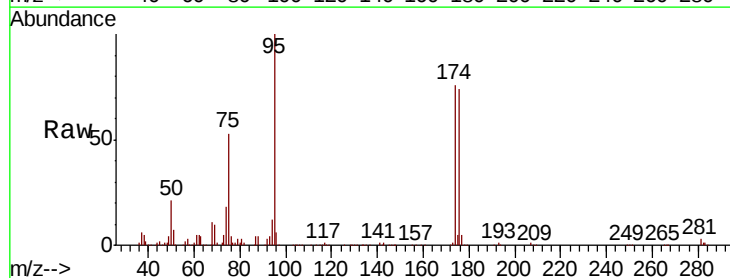
Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2019 1:16:06 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.805 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Tgt Ion: 95 Resp: 247662  
 Ion Ratio Lower Upper  
 95 100  
 174 75.4 0.0 147.6  
 176 72.6 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

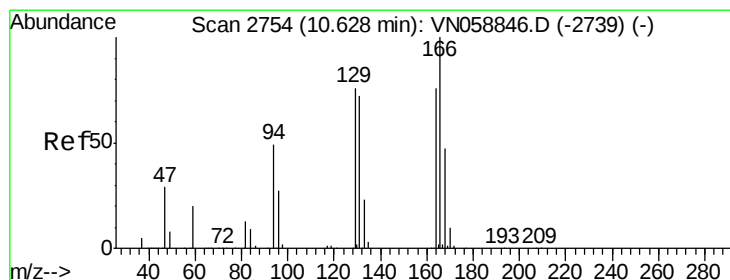
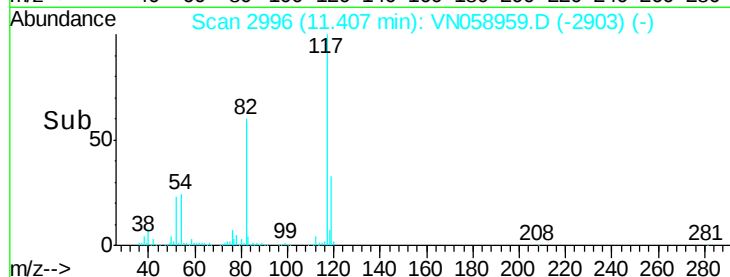
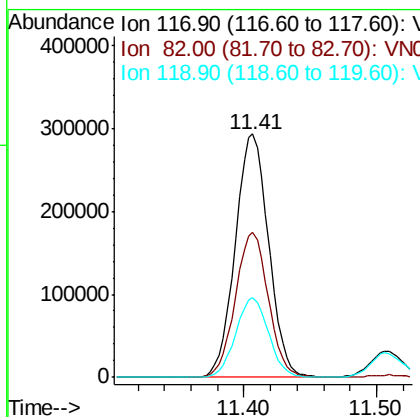
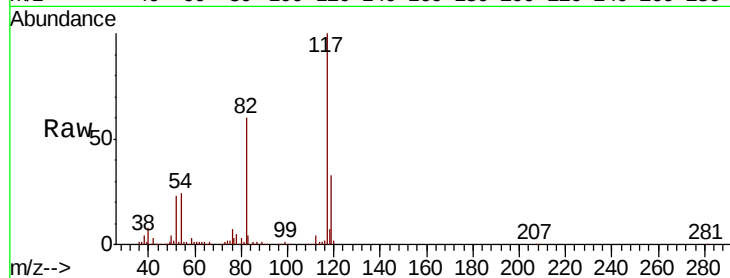
ClientSampleId :

VN1025WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 512831 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.6  | 46.6  | 69.8   |
| 119       | 32.5  | 25.6  | 38.4   |

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#64

Tetrachloroethene

Concen: 18.850 ug/l

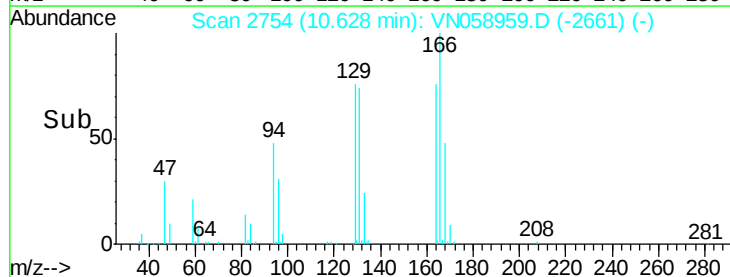
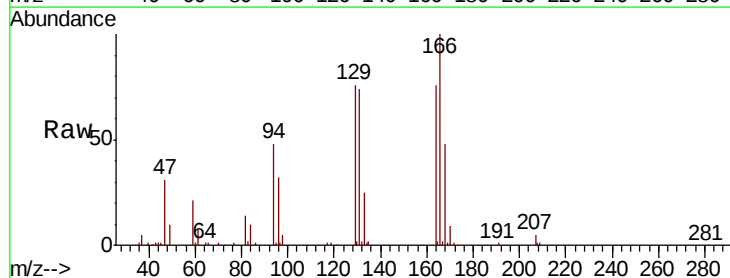
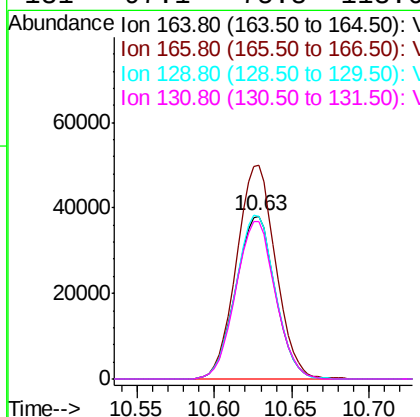
RT: 10.63 min Scan# 2754

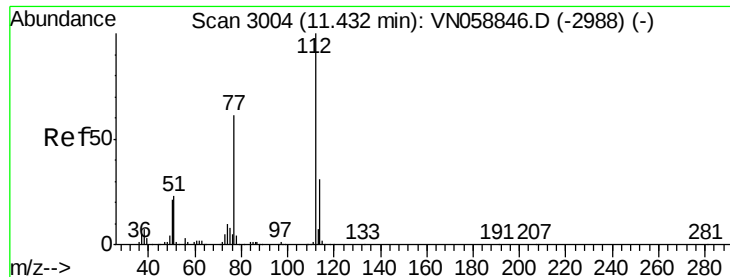
Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 67702 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 131.4 | 104.8 | 157.2 |
| 129       | 100.1 | 79.3  | 118.9 |
| 131       | 97.1  | 75.8  | 113.6 |





#65

Chlorobenzene

Concen: 19.572 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion:112 Resp: 204342

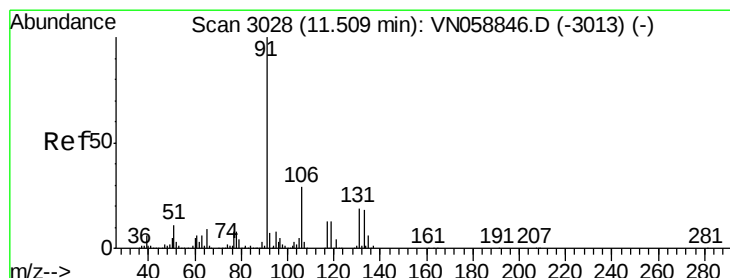
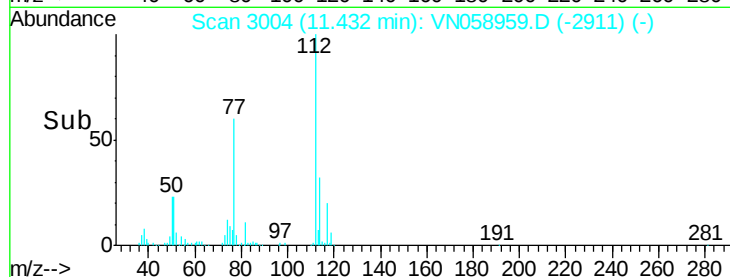
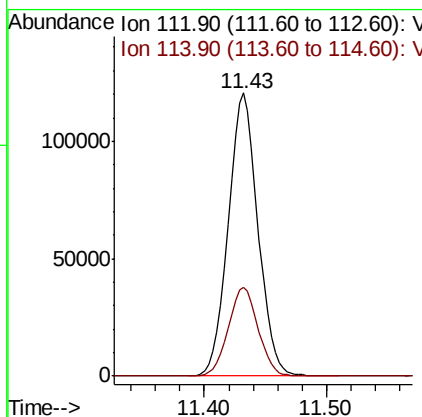
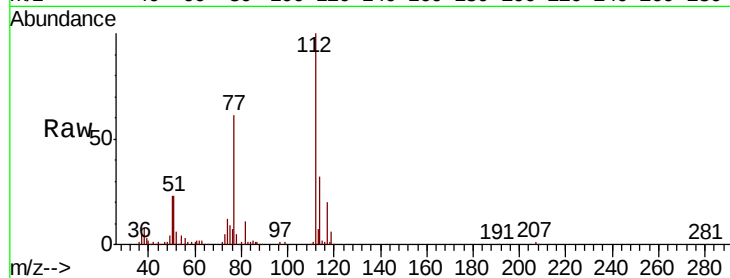
Ion Ratio Lower Upper

112 100

114 31.5 25.1 37.7

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.712 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

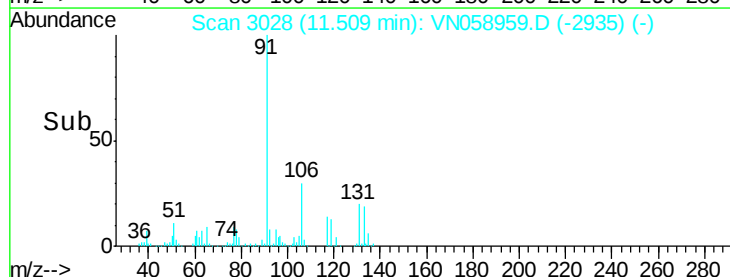
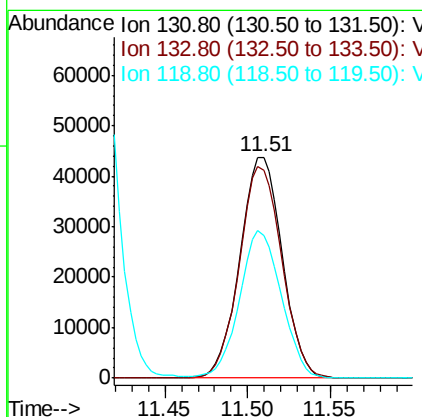
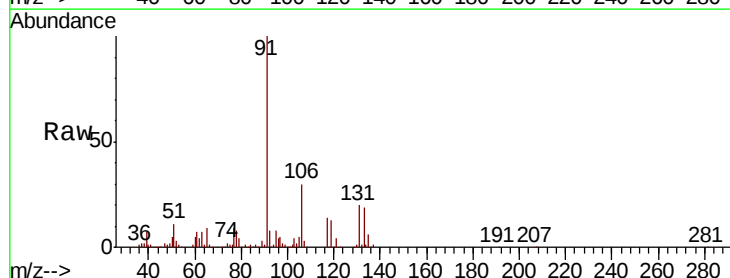
Tgt Ion:131 Resp: 77661

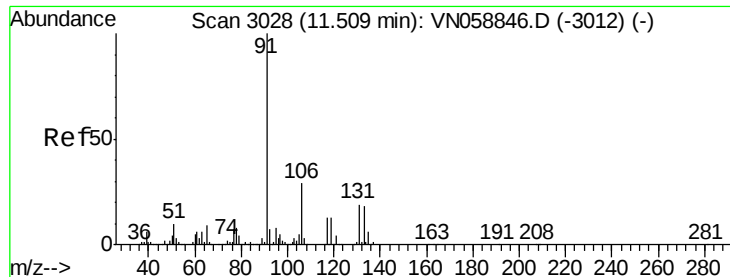
Ion Ratio Lower Upper

131 100

133 96.5 48.4 145.2

119 66.3 33.6 100.8





#67

Ethyl Benzene

Concen: 19.923 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 91 Resp: 364888

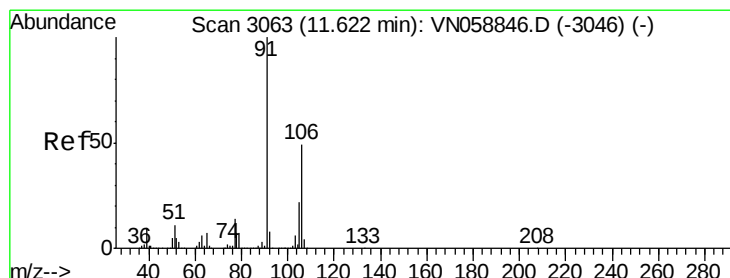
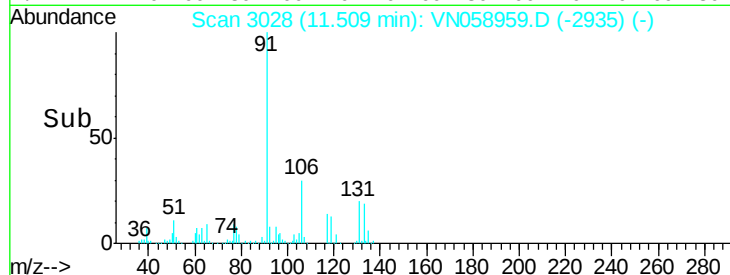
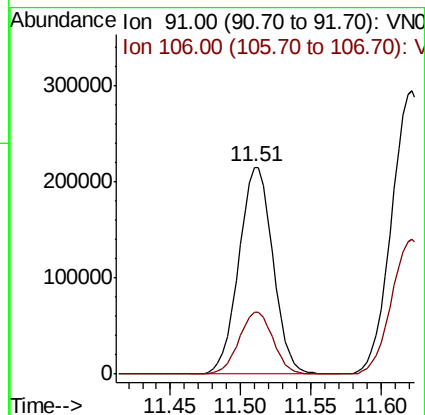
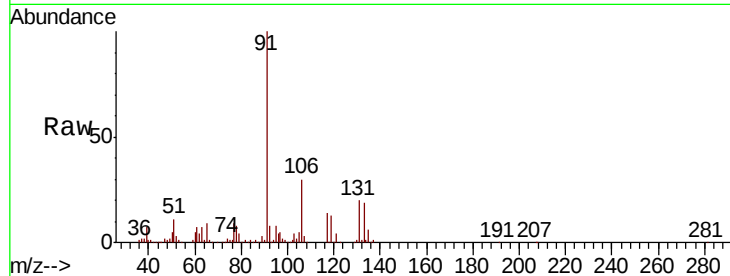
Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#68

m/p-Xylenes

Concen: 39.799 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058959.D

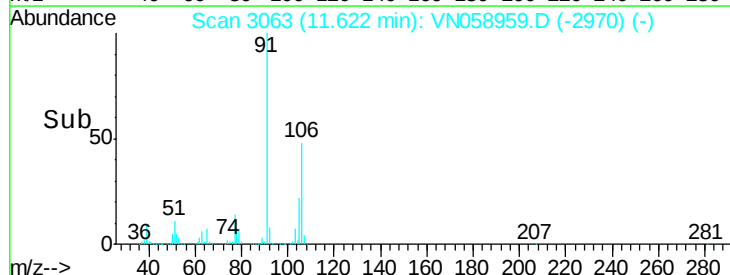
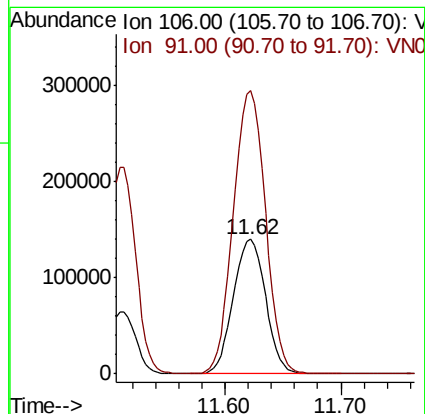
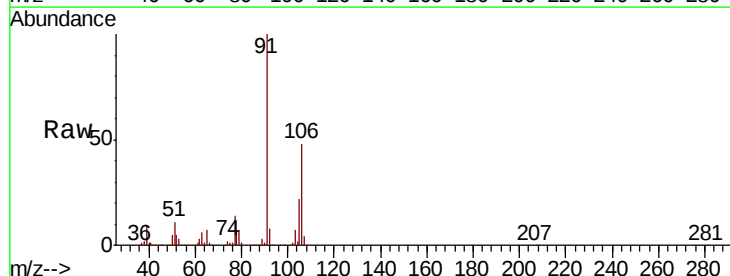
Acq: 24 Oct 2019 14:28

Tgt Ion: 106 Resp: 270319

Ion Ratio Lower Upper

106 100

91 209.7 166.6 249.8





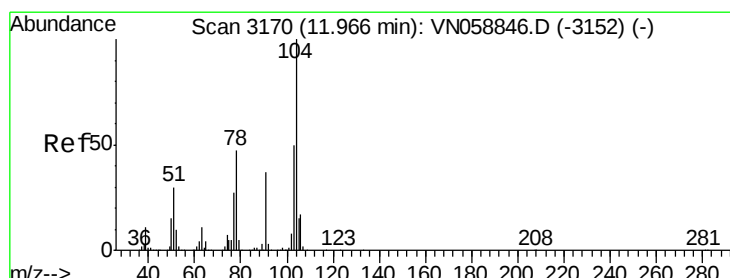
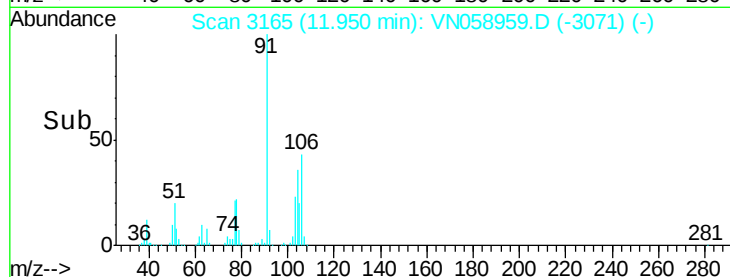
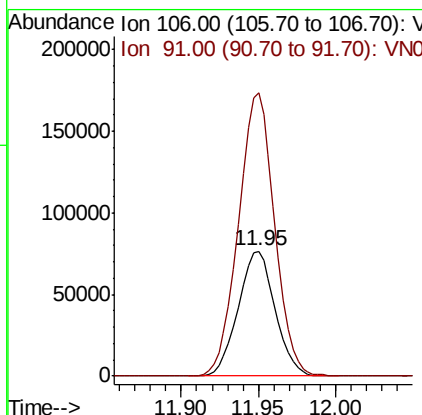
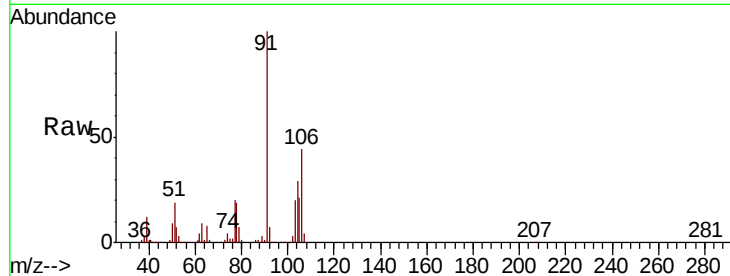
#69  
o-Xylene  
Concen: 19.588 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 222.0 | 111.5 | 334.4 |

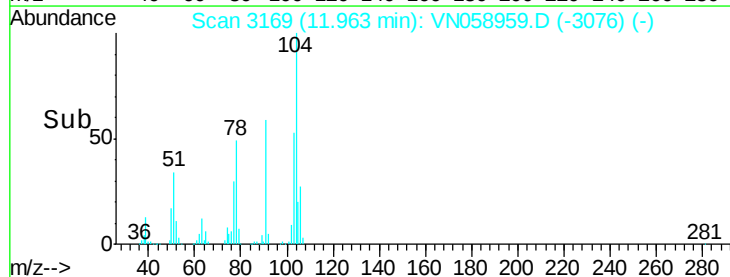
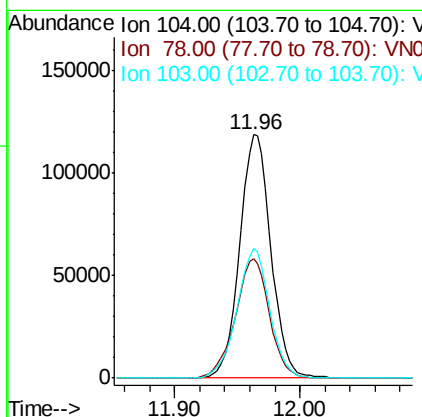
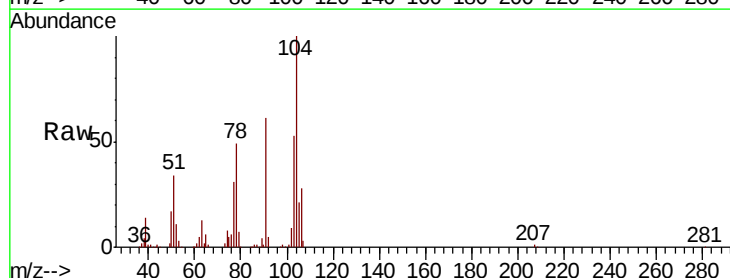
Manual Integrations  
APPROVED

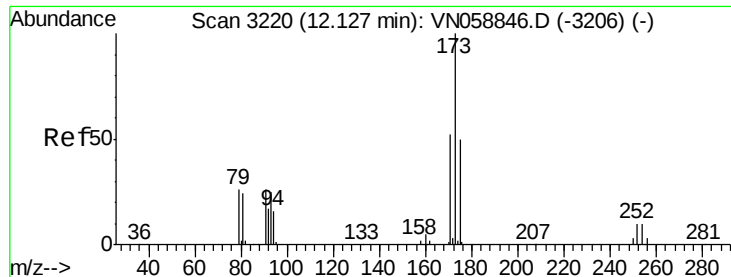
MMDadoda  
10/26/2019 1:16:06 AM



#70  
Styrene  
Concen: 18.284 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.3  | 42.8  | 64.2  |
| 103     | 55.9  | 44.3  | 66.5  |





#71

Bromoform

Concen: 18.785 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion:173 Resp: 57389

Ion Ratio Lower Upper

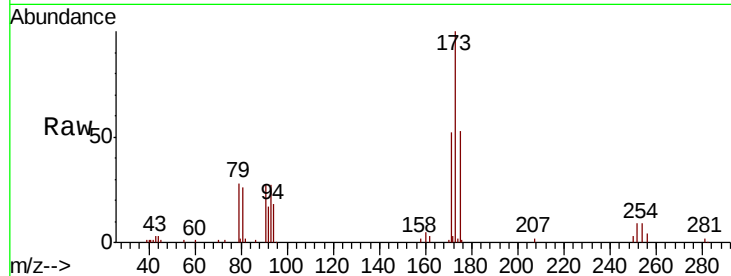
173 100

175 52.5 24.7 74.1

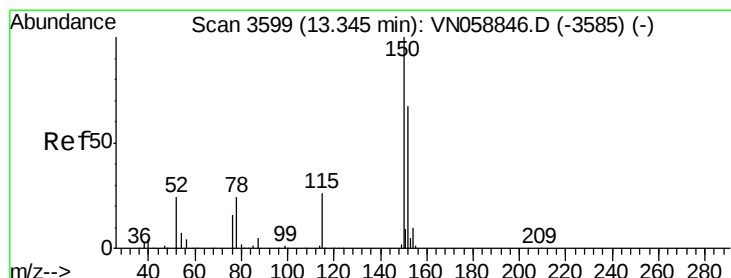
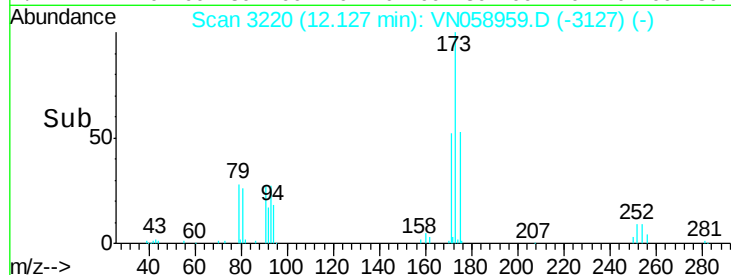
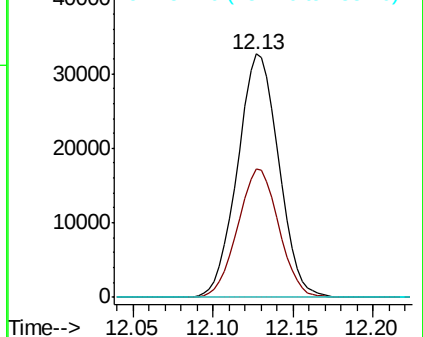
254 0.0 0.0 0.0

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

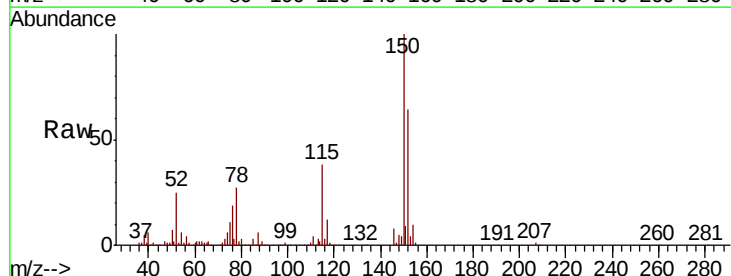
Tgt Ion:152 Resp: 242259

Ion Ratio Lower Upper

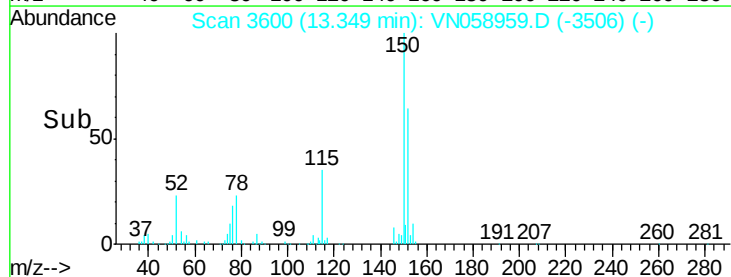
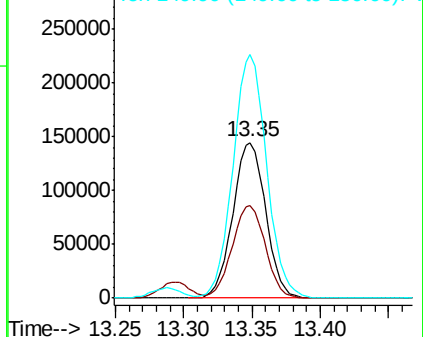
152 100

115 59.6 30.5 91.5

150 160.0 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.711 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 105 Resp: 348976

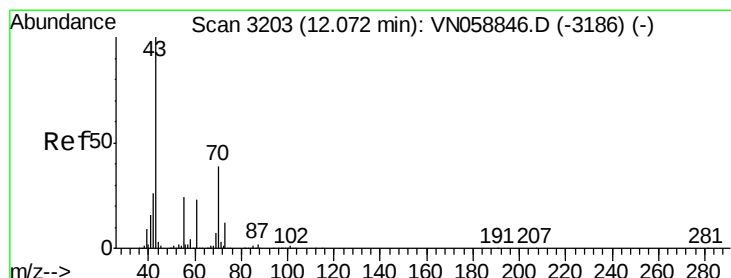
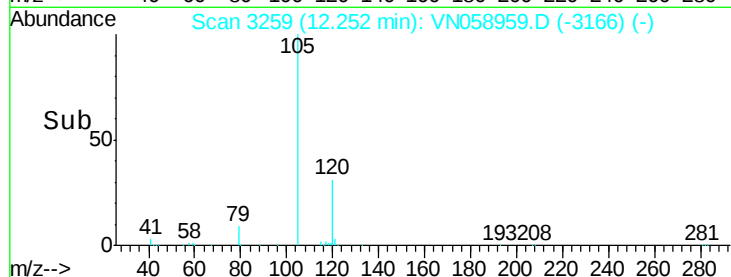
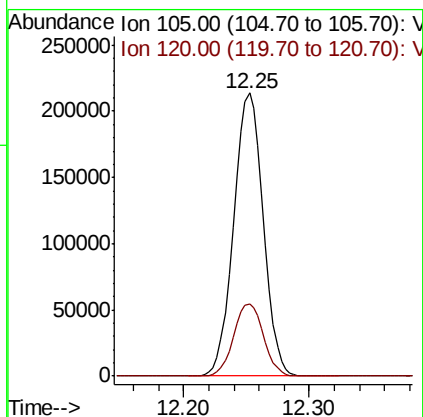
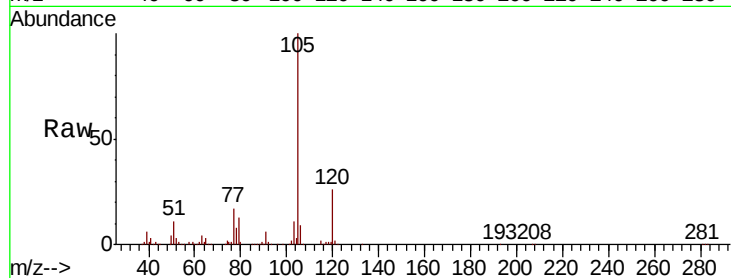
Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#74

N-ethyl acetate

Concen: 19.405 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Tgt Ion: 43 Resp: 155750

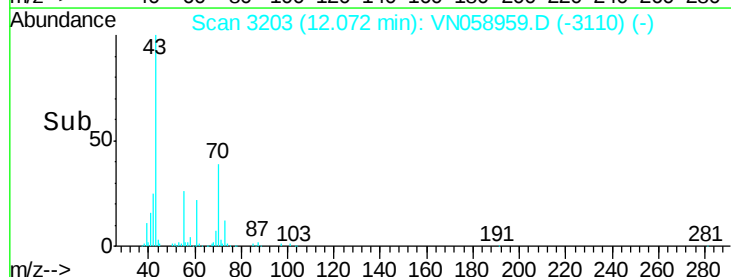
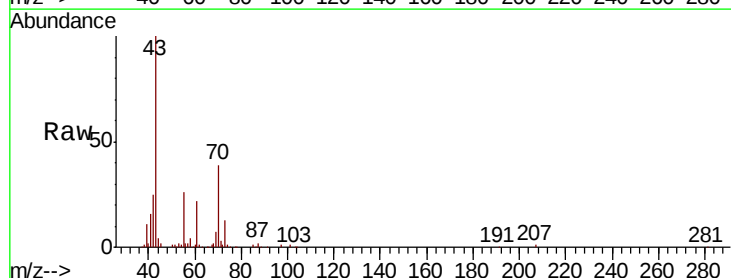
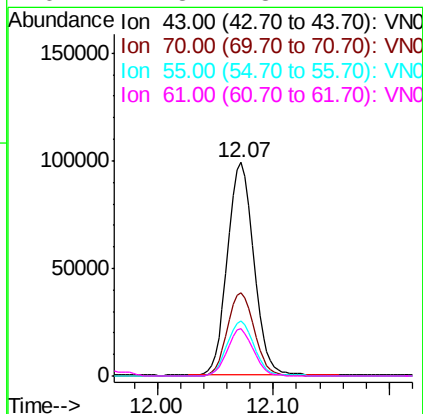
Ion Ratio Lower Upper

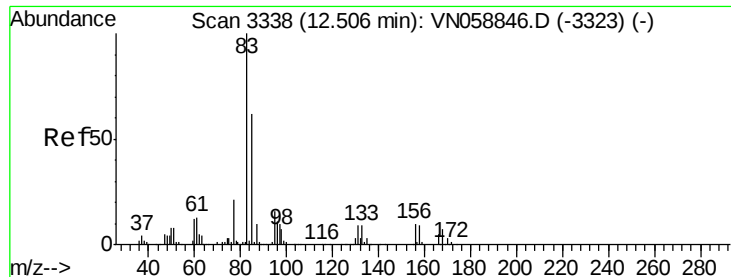
43 100

70 40.0 30.9 46.3

55 26.7 19.7 29.5

61 21.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.276 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 83 Resp: 119999

Ion Ratio Lower Upper

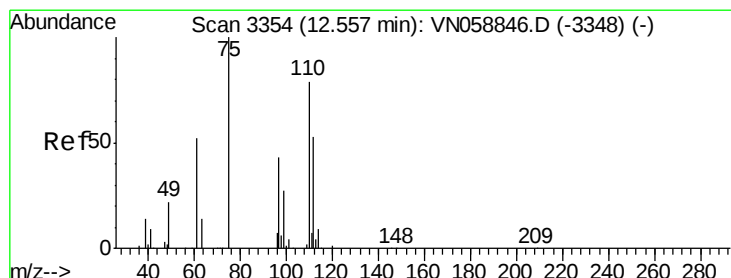
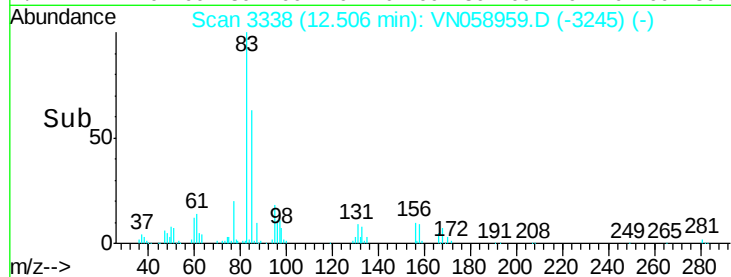
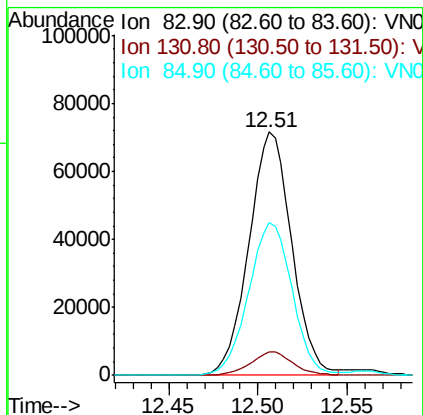
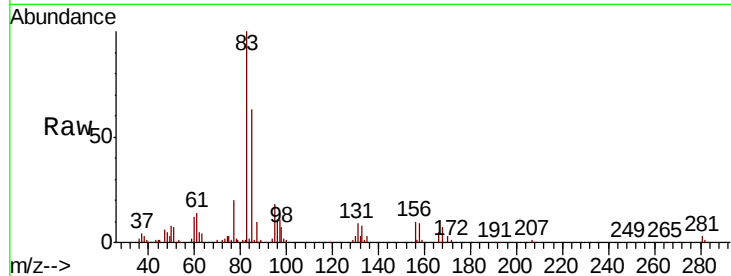
83 100

131 9.5 4.7 14.1

85 64.0 31.7 95.1

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#76

1,2,3-Trichloropropane

Concen: 19.040 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058959.D

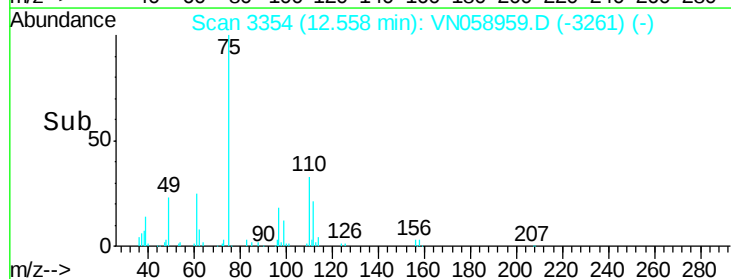
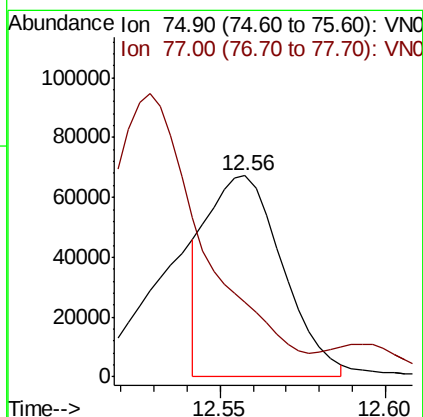
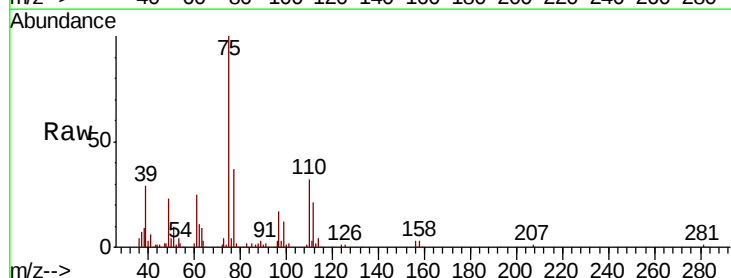
Acq: 24 Oct 2019 14:28

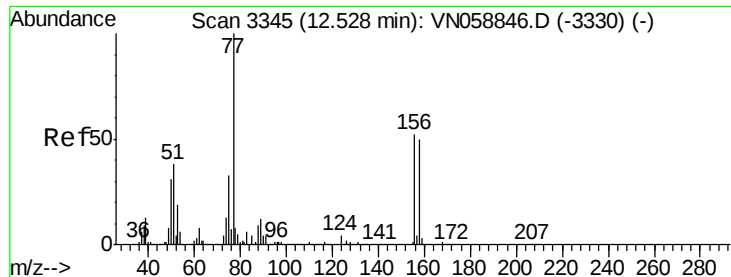
Tgt Ion: 75 Resp: 106905

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.236 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion:156 Resp: 83943

Ion Ratio Lower Upper

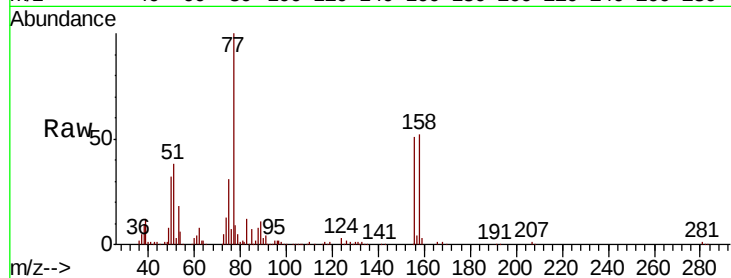
156 100

77 234.0 118.0 354.0

158 99.6 48.3 144.8

Manual Integrations  
APPROVED

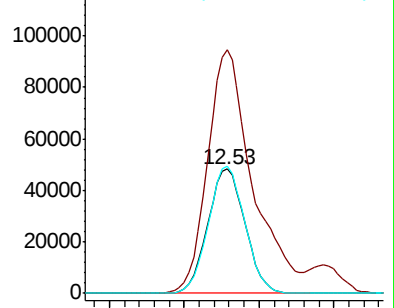
MMDadoda  
10/26/2019 1:16:06 AM



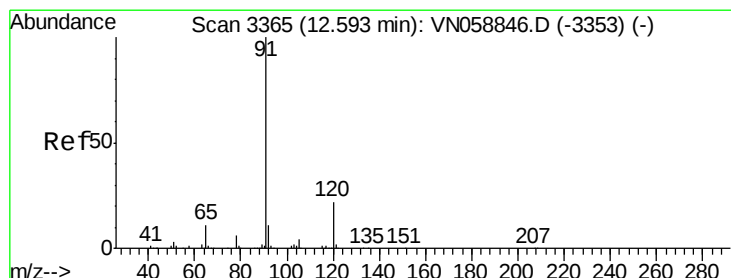
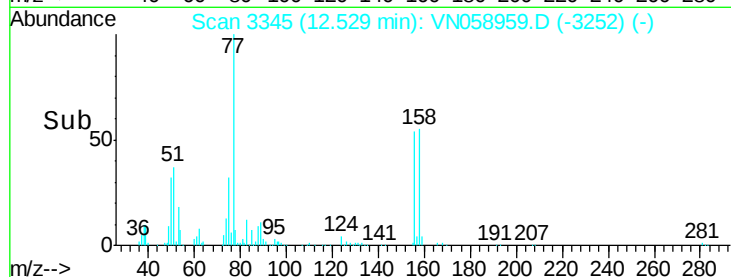
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.821 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058959.D

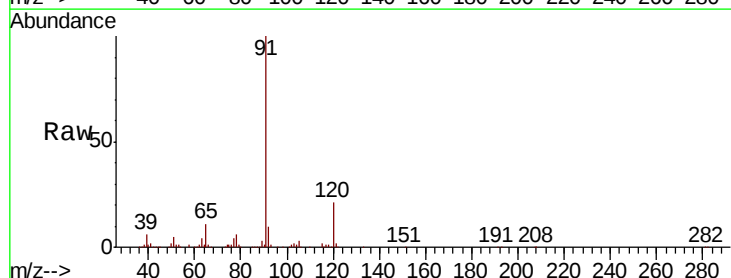
Acq: 24 Oct 2019 14:28

Tgt Ion: 91 Resp: 414802

Ion Ratio Lower Upper

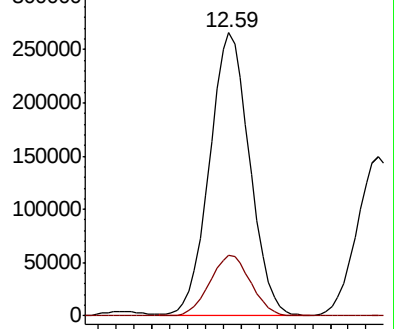
91 100

120 21.9 11.1 33.1

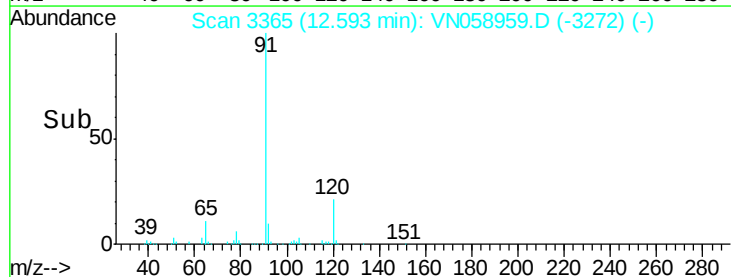


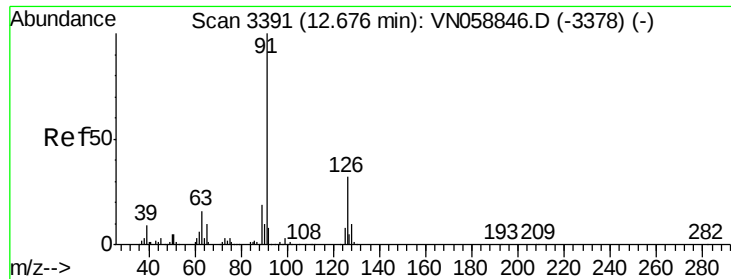
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 19.340 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion: 91 Resp: 247714

Ion Ratio Lower Upper

91 100

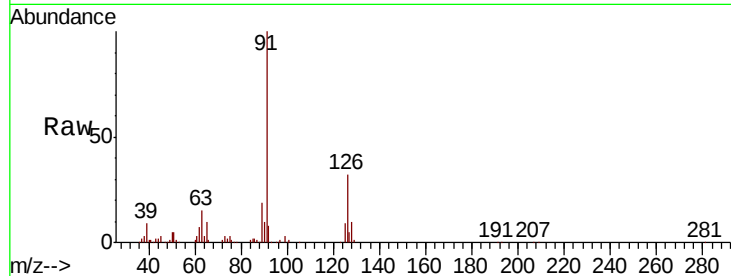
126 32.5 16.2 48.6

Manual Integrations

APPROVED

MMDadoda

10/26/2019 1:16:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

250000

200000

150000

100000

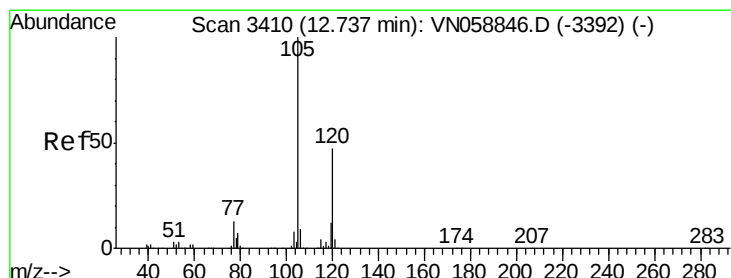
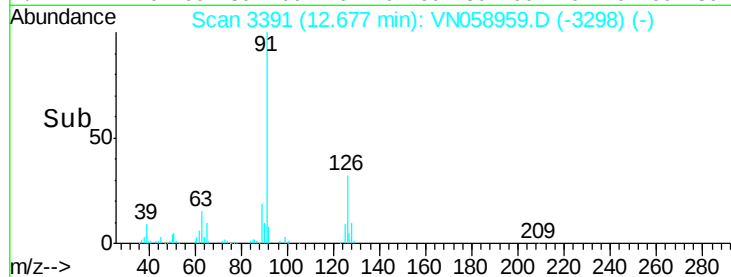
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.935 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058959.D

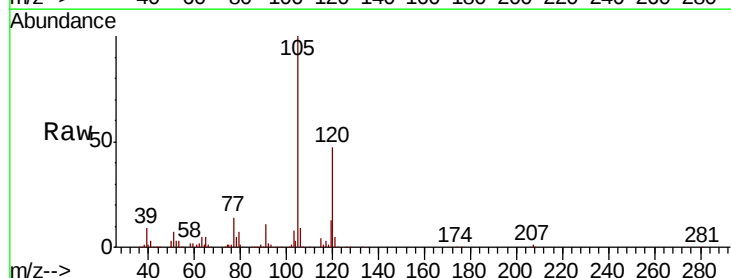
Acq: 24 Oct 2019 14:28

Tgt Ion: 105 Resp: 296536

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

200000

150000

100000

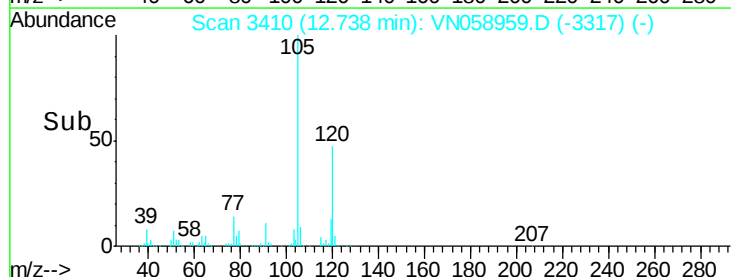
50000

0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.069 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

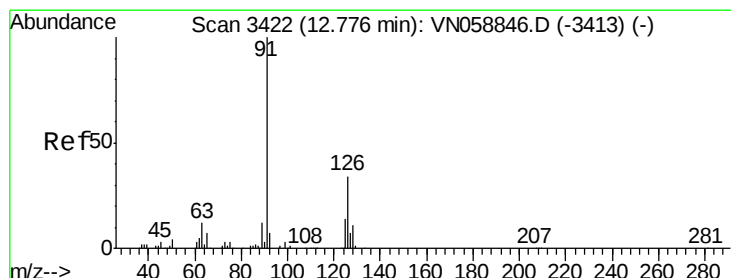
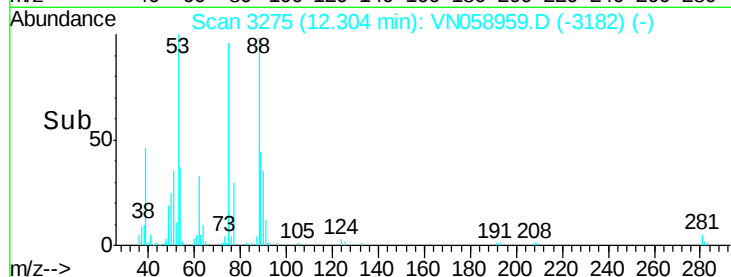
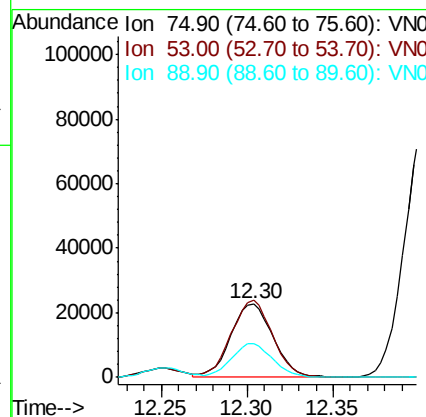
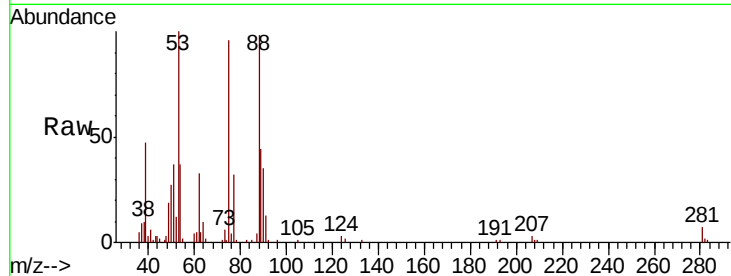
ClientSampleId :

VN1025WBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 38943 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 100.5 | 78.6  | 118.0 |
| 89       | 44.5  | 35.4  | 53.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#82

4-Chlorotoluene

Concen: 19.295 ug/l

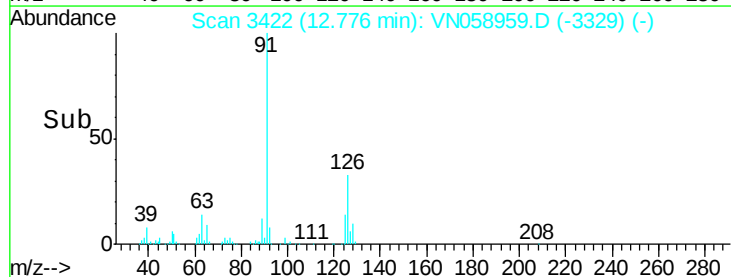
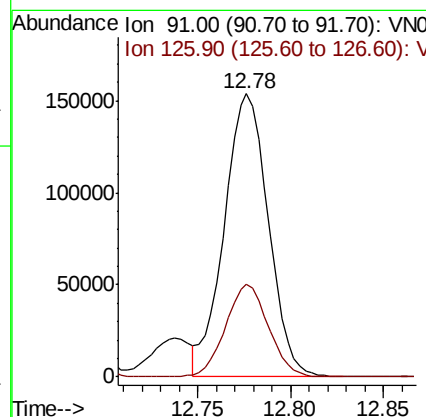
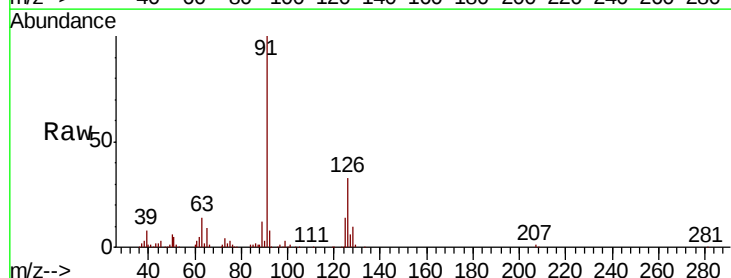
RT: 12.78 min Scan# 3422

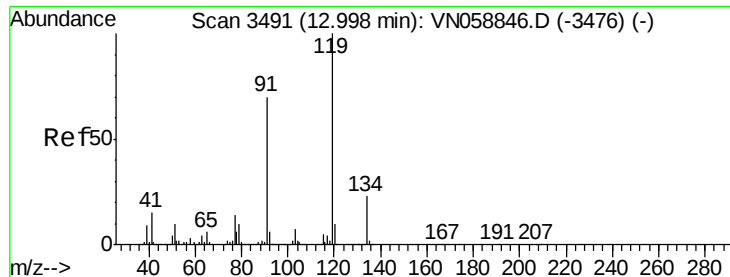
Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 252562 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.0  | 16.0  | 47.9   |





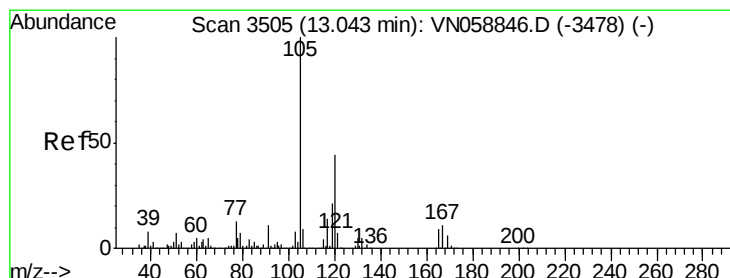
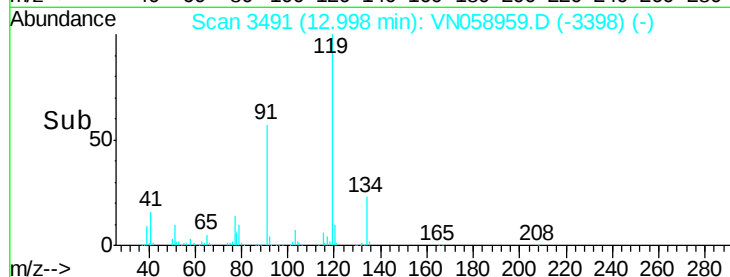
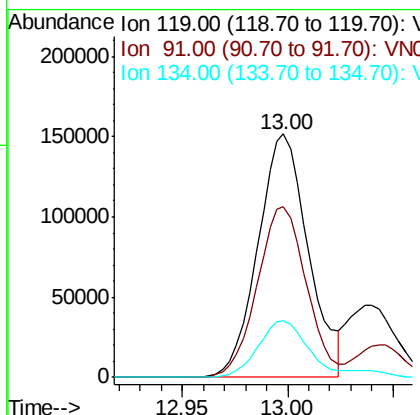
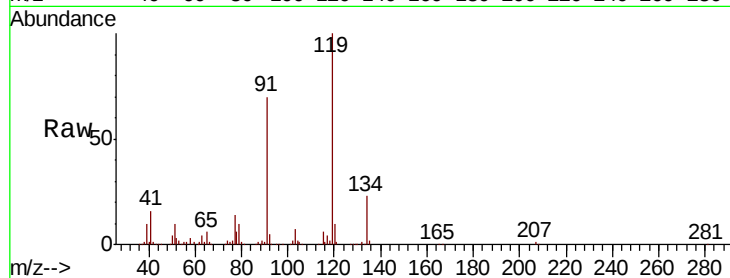
#83  
tert-Butylbenzene  
Concen: 19.771 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 69.0  | 34.1  | 102.3 |
| 134     | 23.0  | 11.6  | 34.8  |

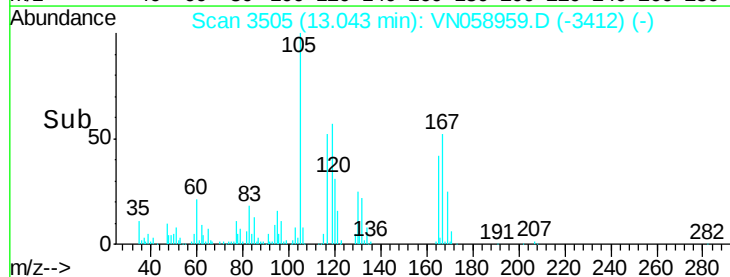
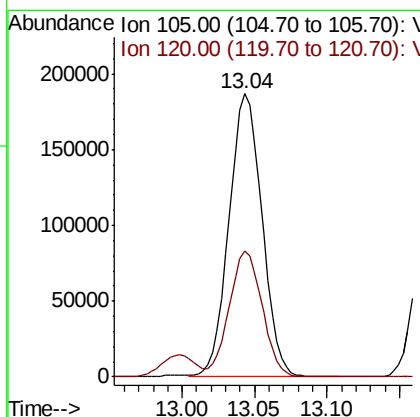
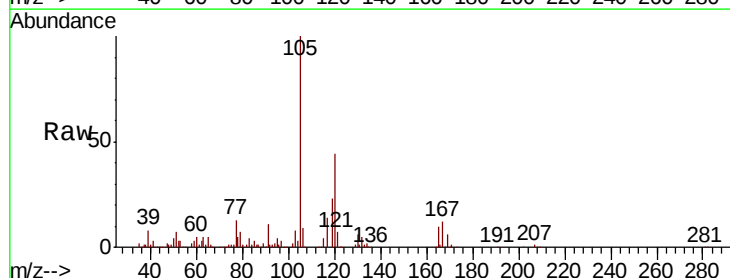
Manual Integrations  
APPROVED

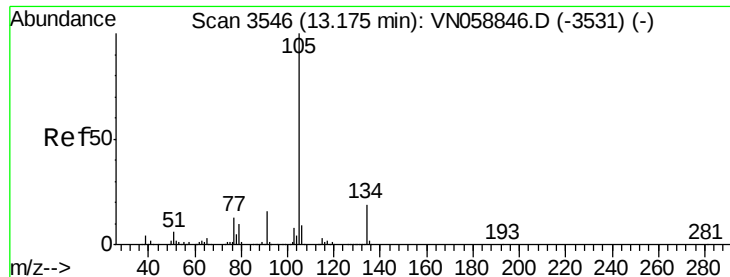
MMDadoda  
10/26/2019 1:16:06 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.120 ug/l  
RT: 13.04 min Scan# 3505  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.5  | 21.9  | 65.8  |





#85

sec-Butylbenzene

Concen: 19.857 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1025WBS02

Tot Ion:105 Resp: 336767

Ion Ratio Lower Upper

105 100

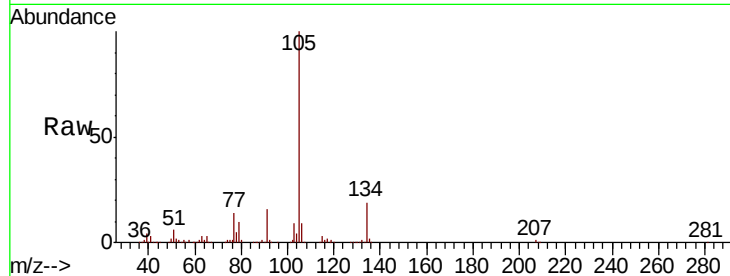
134 19.2 9.4 28.2

Manual Integrations

APPROVED

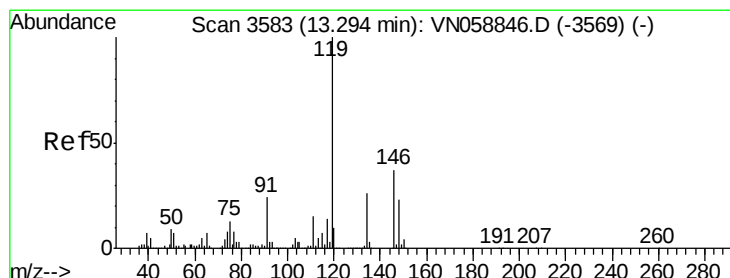
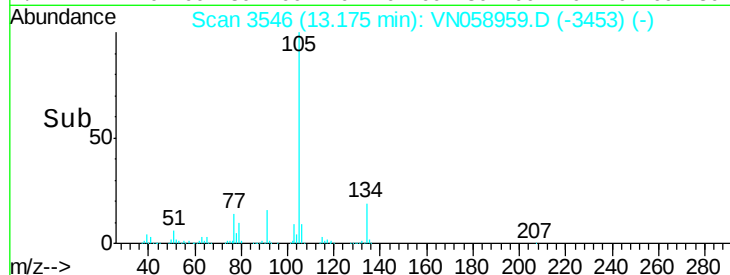
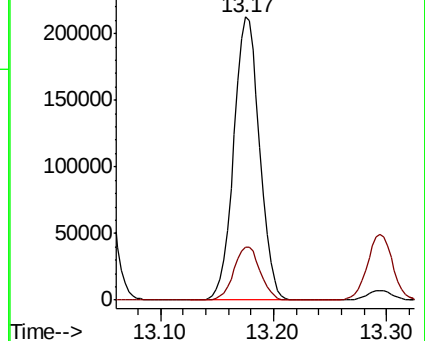
MMDadoda

10/26/2019 1:16:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.883 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

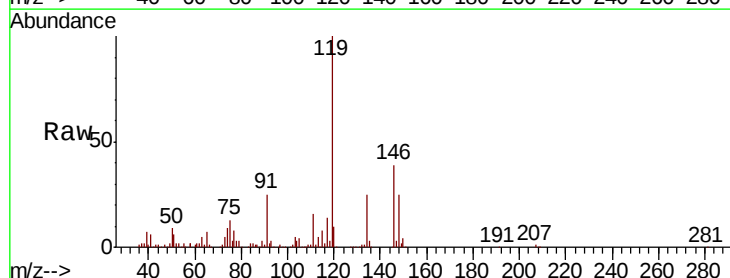
Tgt Ion:119 Resp: 297533

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

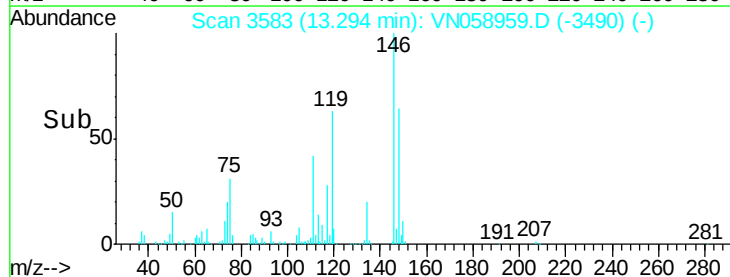
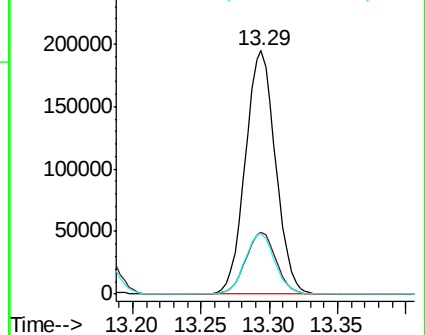
91 24.9 12.2 36.4

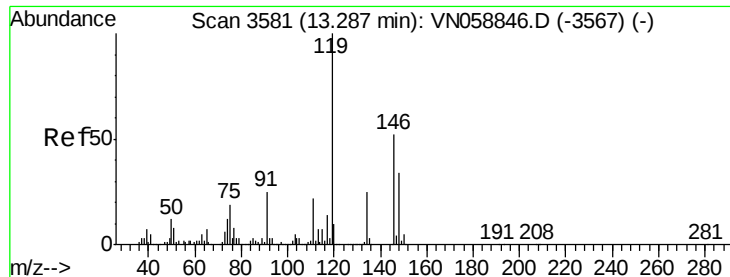


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





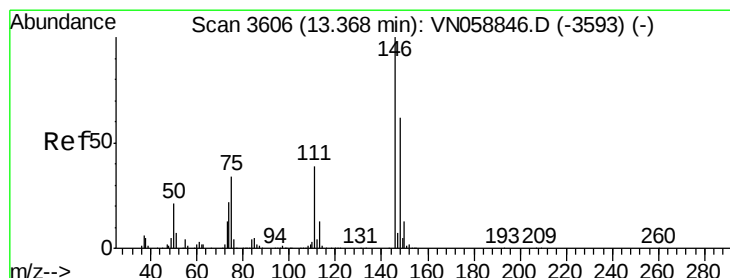
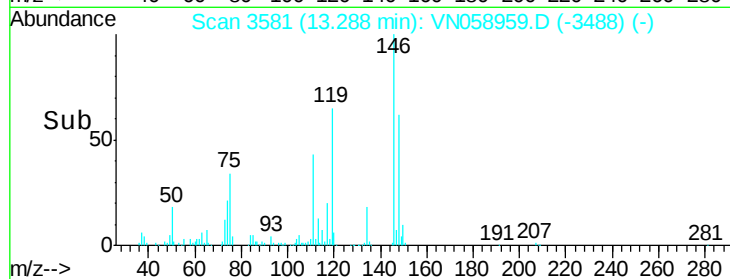
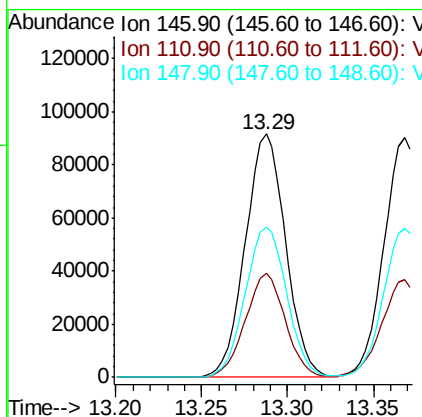
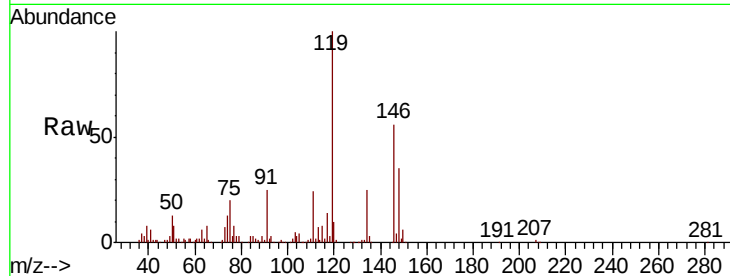
#87  
 1,3-Dichlorobenzene  
 Concen: 19.184 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 21.0  | 63.0  |
| 148     | 63.7  | 32.1  | 96.3  |

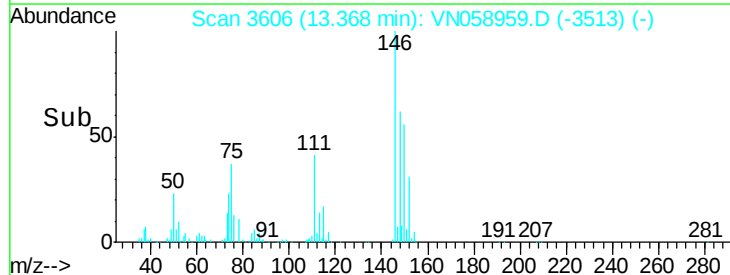
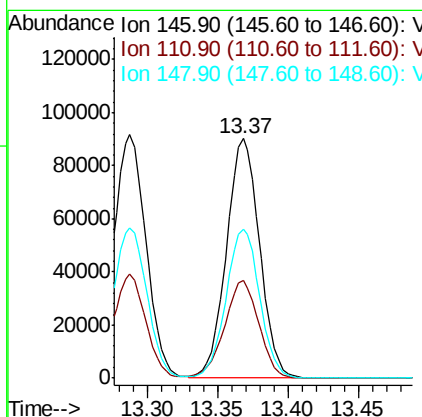
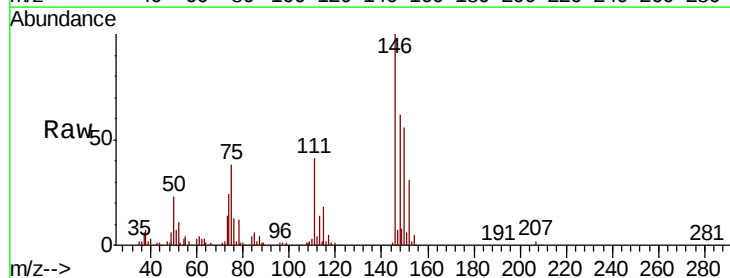
Manual Integrations  
 APPROVED

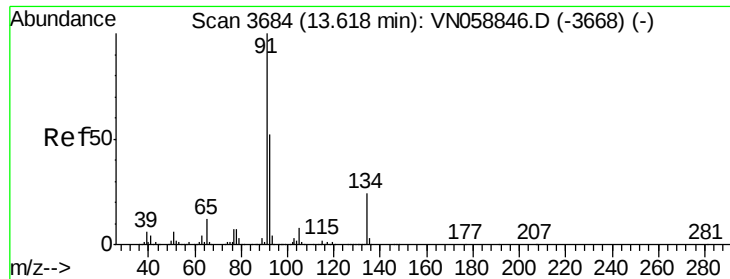
MMDadoda  
 10/26/2019 1:16:06 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.010 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 20.2  | 60.6  |
| 148     | 62.9  | 31.6  | 94.7  |





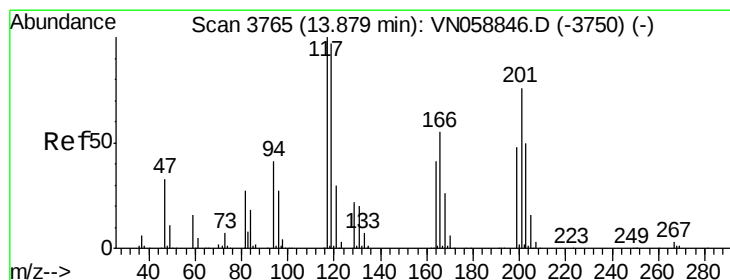
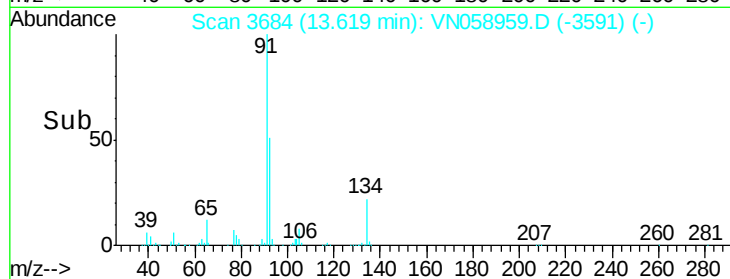
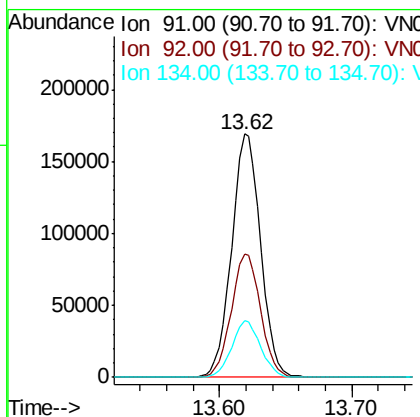
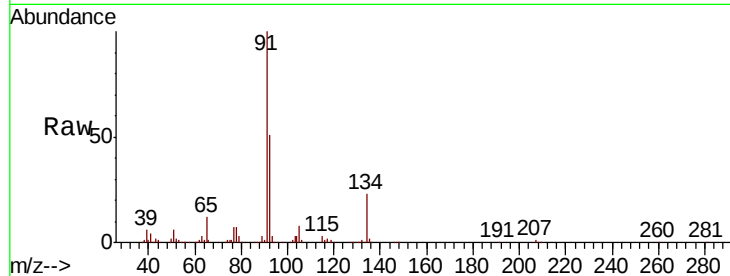
#89  
n-Butylbenzene  
Concen: 18.649 ug/l  
RT: 13.62 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.2  | 25.7  | 77.1  |
| 134     | 23.2  | 11.9  | 35.5  |

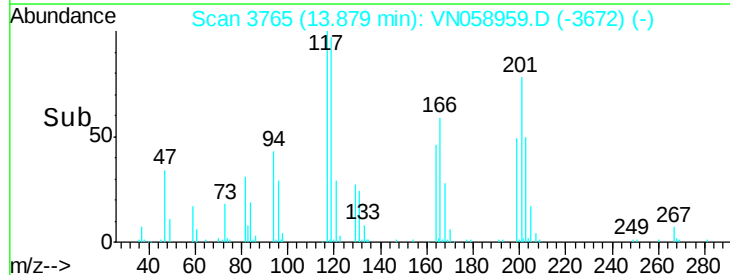
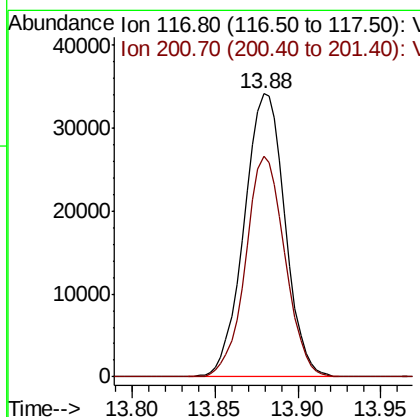
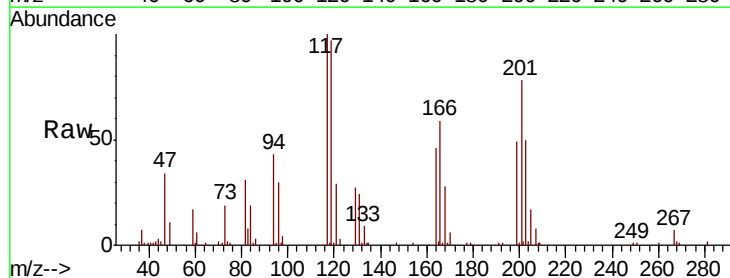
Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#90  
Hexachloroethane  
Concen: 19.355 ug/l  
RT: 13.88 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 74.7  | 38.9  | 116.6 |





#91

1,2-Dichlorobenzene

Concen: 19.481 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

Instrument :

MSVOA\_N

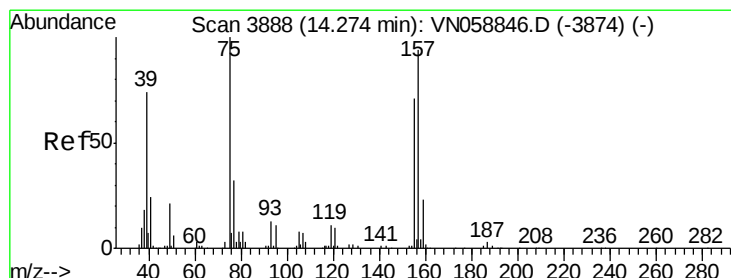
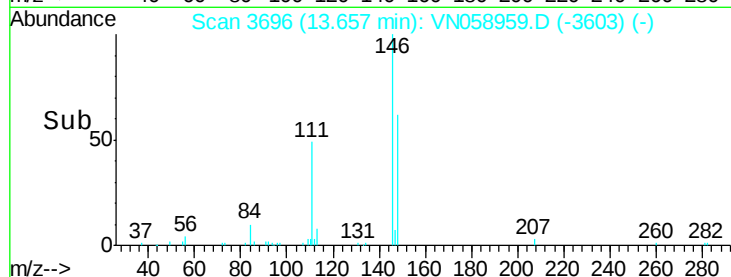
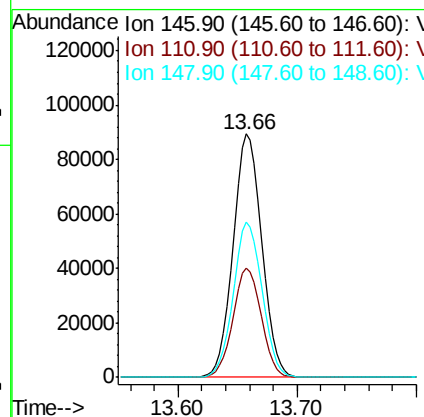
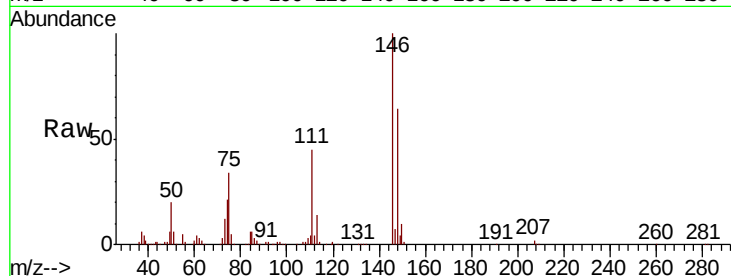
ClientSampleId :

VN1025WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 149406 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 44.1  | 21.6  | 64.8   |
| 148       | 64.0  | 31.9  | 95.9   |

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.522 ug/l

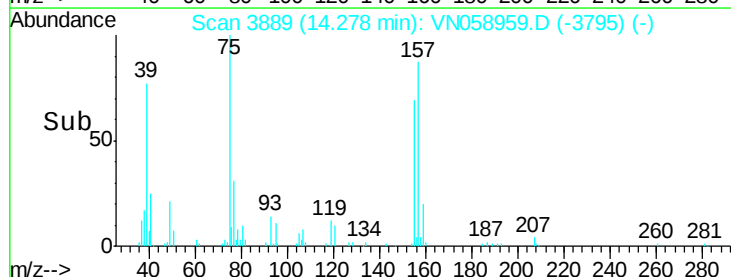
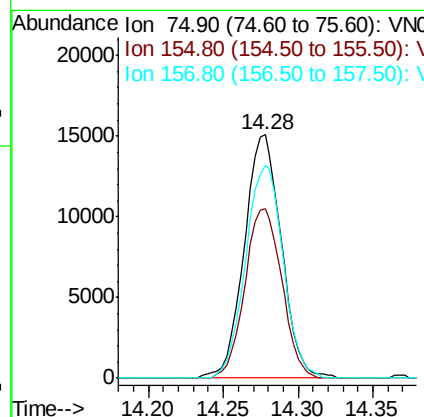
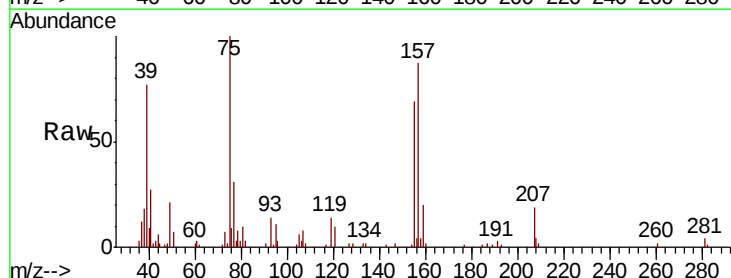
RT: 14.28 min Scan# 3889

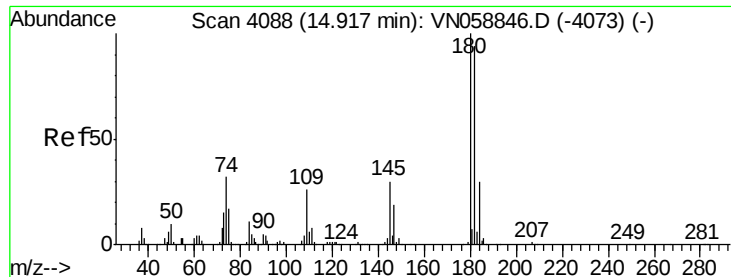
Delta R.T. 0.00 min

Lab File: VN058959.D

Acq: 24 Oct 2019 14:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 26079 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 69.1  | 35.6  | 106.8 |
| 157       | 88.3  | 47.4  | 142.2 |





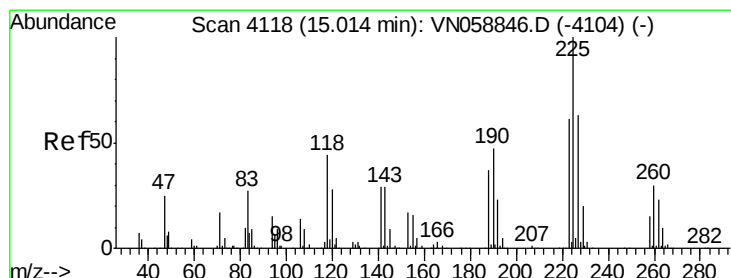
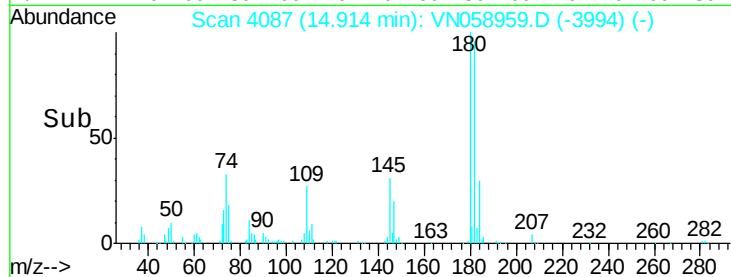
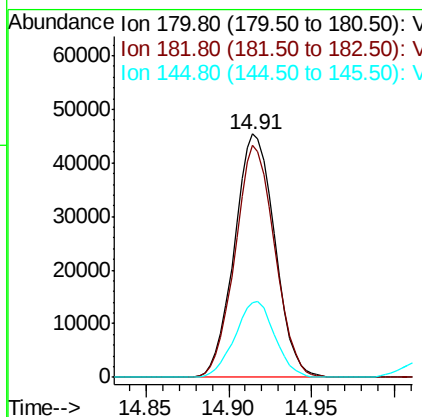
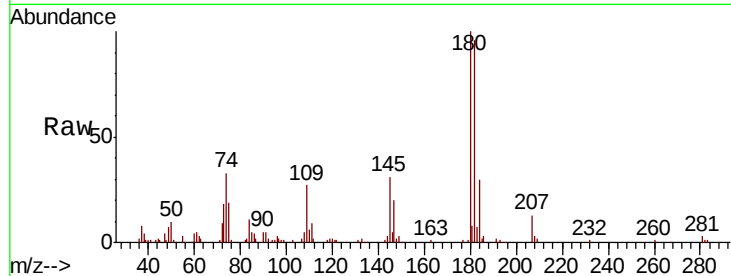
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.617 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. -0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.9  | 47.3  | 142.0 |
| 145     | 30.7  | 15.3  | 45.8  |

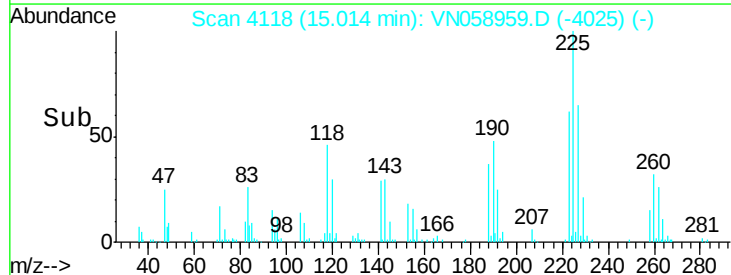
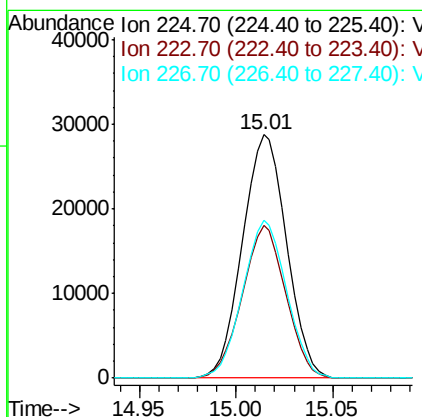
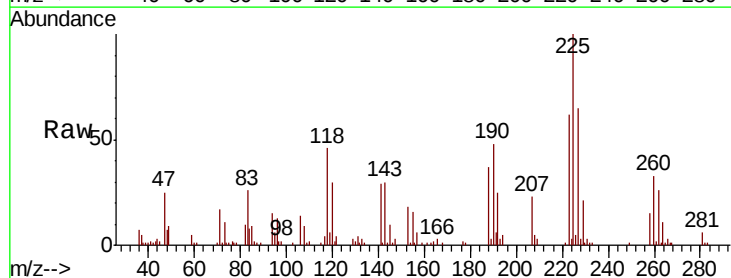
Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2019 1:16:06 AM



#94  
 Hexachlorobutadiene  
 Concen: 18.321 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN058959.D  
 Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.7  | 30.9  | 92.5  |
| 227     | 64.6  | 31.6  | 94.7  |





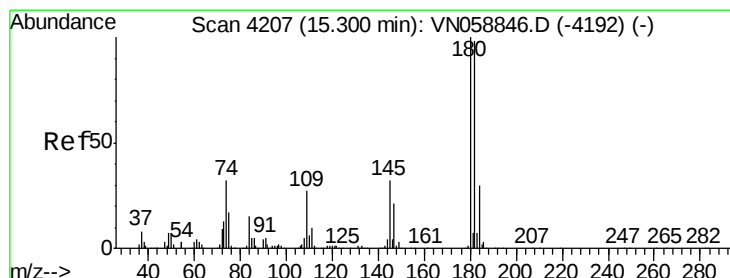
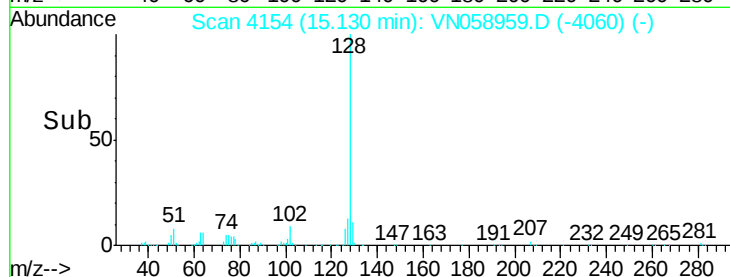
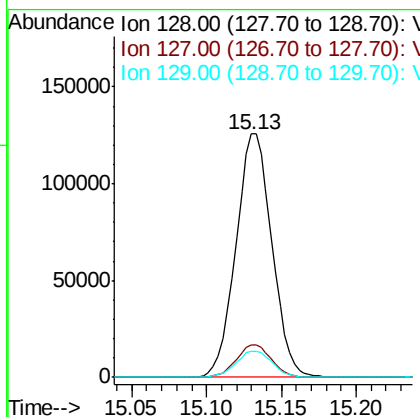
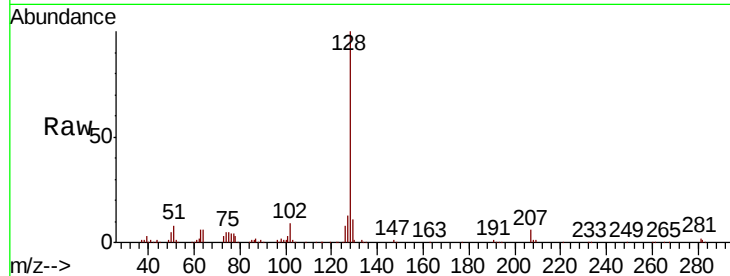
#95  
Naphthalene  
Concen: 16.729 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1025WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.2  | 15.2  |
| 129     | 10.9  | 8.4   | 12.6  |

Manual Integrations  
APPROVED

MMDadoda  
10/26/2019 1:16:06 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 18.251 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. 0.00 min  
Lab File: VN058959.D  
Acq: 24 Oct 2019 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.7  | 47.9  | 143.7 |
| 145     | 32.9  | 15.9  | 47.7  |

