

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090424\  
 Data File : VN083649.D  
 Acq On : 04 Sep 2024 15:06  
 Operator : JC\MD  
 Sample : P3777-05RE  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 05 02:26:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 00:48:10 2024  
 Response via : Initial Calibration

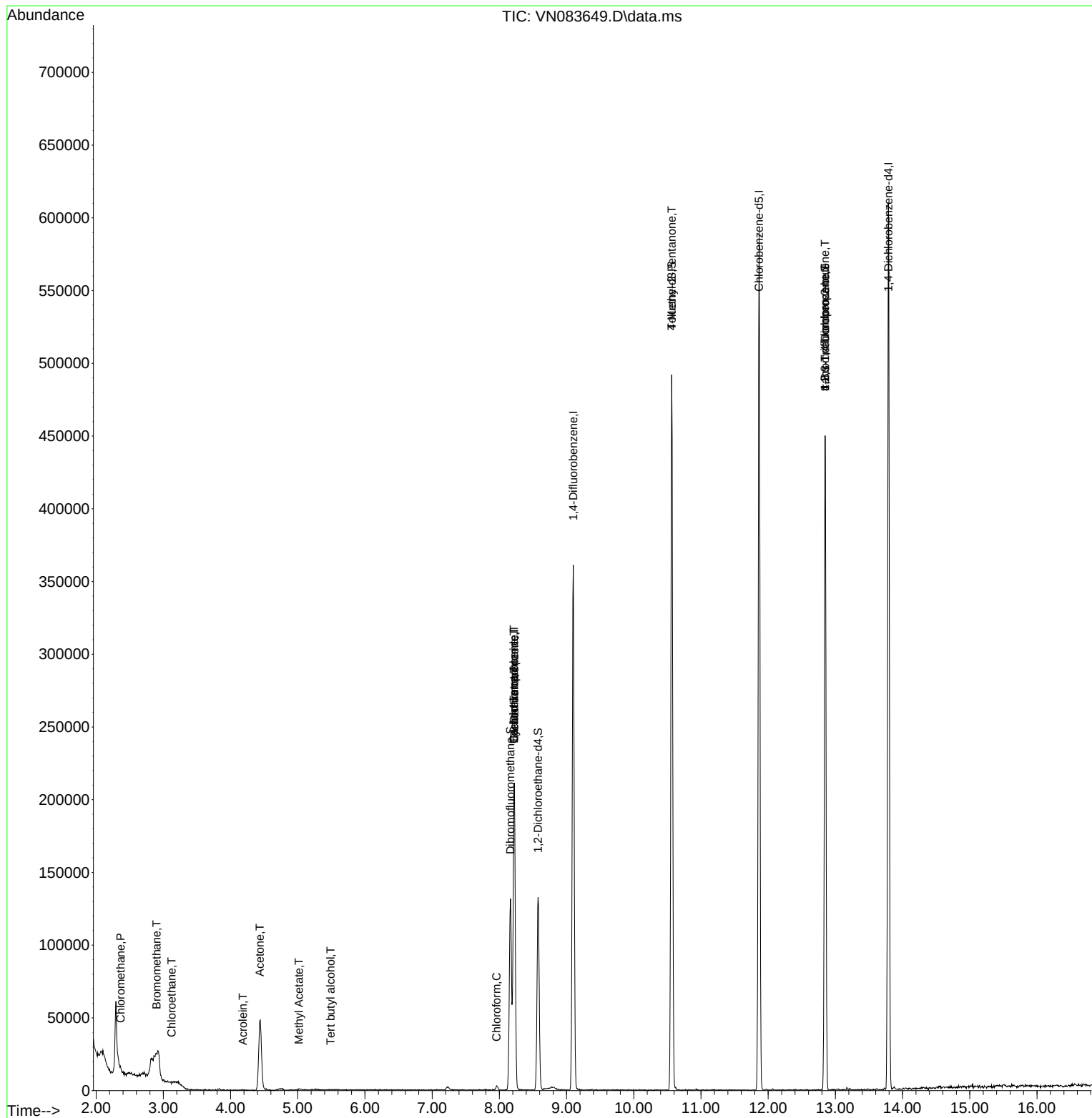
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|-----------|--------|-----------|
| -----                         |        |       |          |           |        |           |
| Internal Standards            |        |       |          |           |        |           |
| 1) Pentafluorobenzene         | 8.224  | 168   | 144230   | 50.000    | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 296531   | 50.000    | ug/l   | 0.00      |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 321093   | 50.000    | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 157118   | 50.000    | ug/l   | 0.00      |
| System Monitoring Compounds   |        |       |          |           |        |           |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65    | 112725   | 55.922    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 111.840%  |
| 35) Dibromofluoromethane      | 8.165  | 113   | 92968    | 52.090    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 104.180%  |
| 50) Toluene-d8                | 10.565 | 98    | 333551   | 47.985    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 95.960%   |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 158486   | 61.556    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | =      | 123.120%# |
| Target Compounds              |        |       |          |           |        |           |
|                               |        |       |          |           | Qvalue |           |
| 3) Chloromethane              | 2.365  | 50    | 1311     | 0.737     | ug/l # | 41        |
| 5) Bromomethane               | 2.901  | 94    | 295      | 0.315     | ug/l # | 61        |
| 6) Chloroethane               | 3.124  | 64    | 782      | 0.672     | ug/l   | 94        |
| 11) Tert butyl alcohol        | 5.489  | 59    | 113      | 0.360     | ug/l # | 71        |
| 13) Acrolein                  | 4.183  | 56    | 63       | 0.212     | ug/l   | 84        |
| 16) Acetone                   | 4.436  | 43    | 2098     | 2.610     | ug/l # | 45        |
| 18) Methyl Acetate            | 5.018  | 43    | 1220     | 0.571     | ug/l # | 64        |
| 30) Chloroform                | 7.959  | 83    | 2823     | 0.846     | ug/l # | 73        |
| 31) Cyclohexane               | 8.218  | 56    | 4222     | 1.354     | ug/l # | 20        |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 13626    | 5.005     | ug/l # | 50        |
| 38) Carbon Tetrachloride      | 8.218  | 117   | 16992    | 5.471     | ug/l # | 16        |
| 43) Isopropyl Acetate         | 8.671  | 43    | 720      | Below Cal | #      | 57        |
| 51) 4-Methyl-2-Pentanone      | 10.565 | 43    | 1594     | 0.633     | ug/l # | 1         |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 88990    | 28.053    | ug/l # | 1         |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 88990    | 66.166    | ug/l # | 9         |
| -----                         |        |       |          |           |        |           |

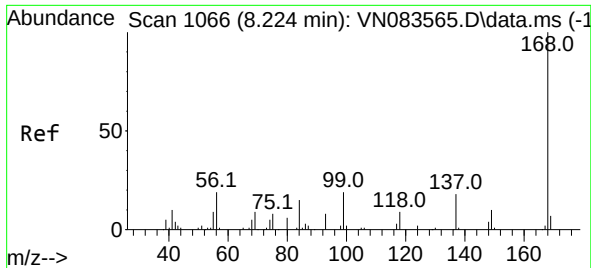
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090424\  
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Sample : P3777-05RE  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

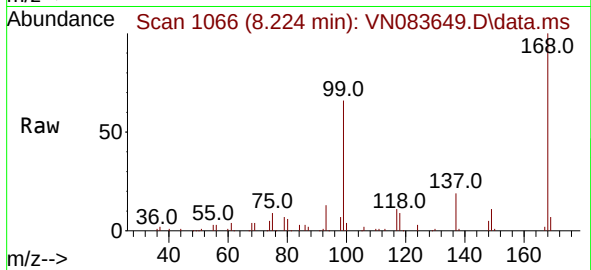
Quant Time: Sep 05 02:26:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 31 00:48:10 2024  
Response via : Initial Calibration



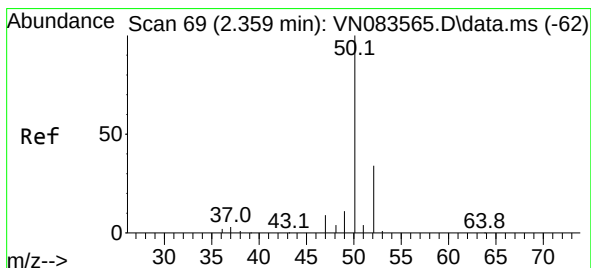
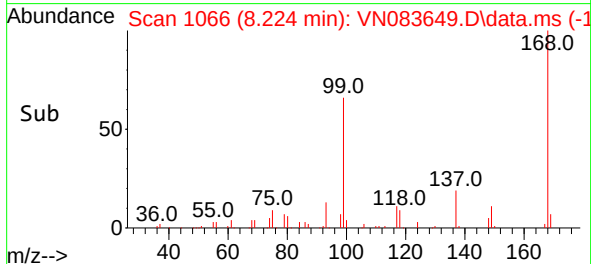
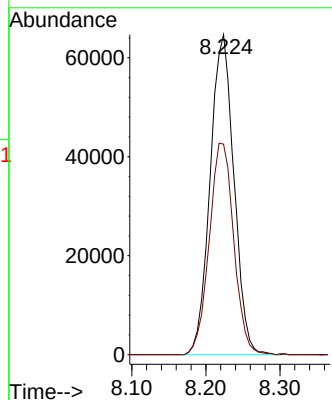


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :

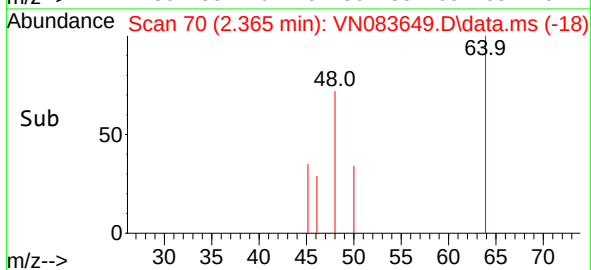
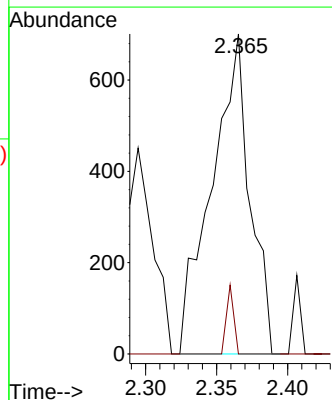
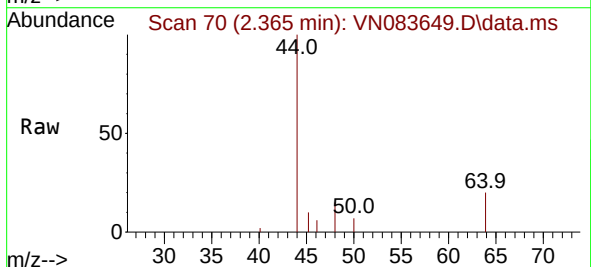


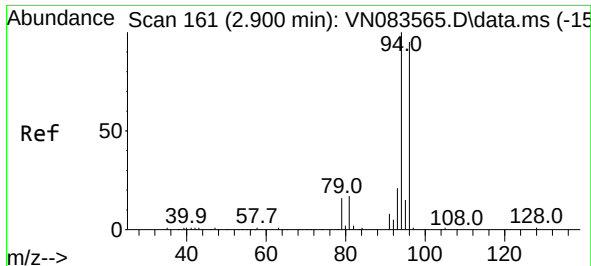
Tgt Ion:168 Resp: 144230  
Ion Ratio Lower Upper  
168 100  
99 65.8 54.2 81.2



#3  
Chloromethane  
Concen: 0.737 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Tgt Ion: 50 Resp: 1311  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.2 40.8#

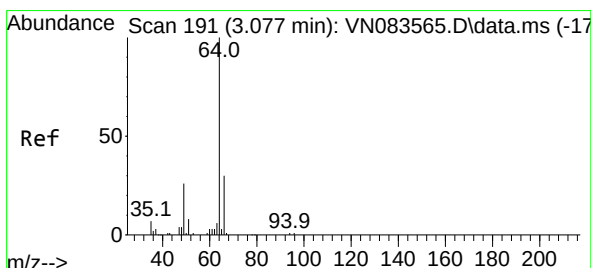
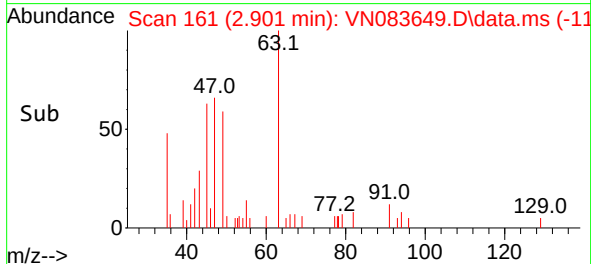
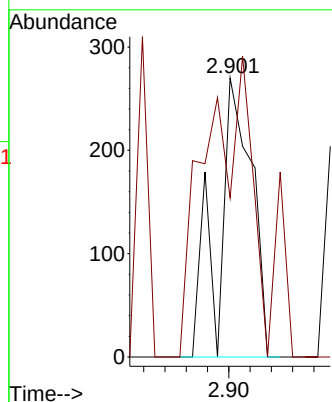
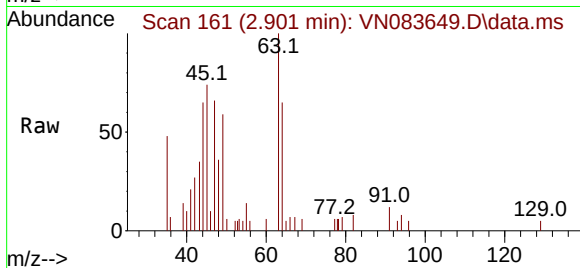




#5  
Bromomethane  
Concen: 0.315 ug/l  
RT: 2.901 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

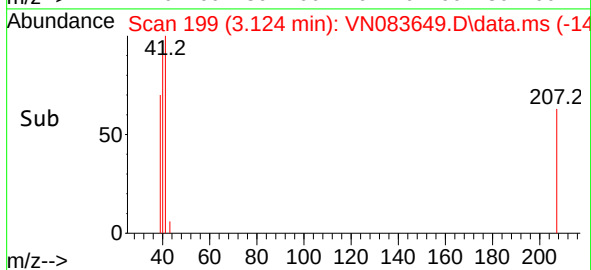
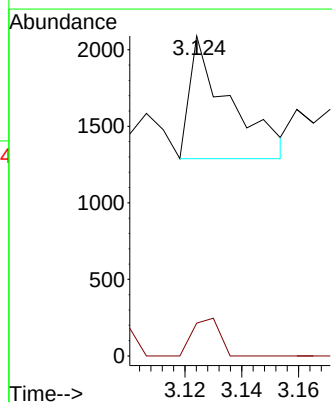
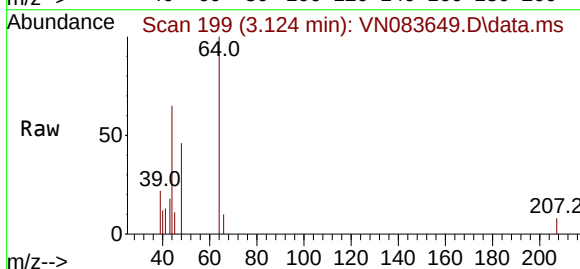
Instrument :  
MSVOA\_N  
ClientSampleId :

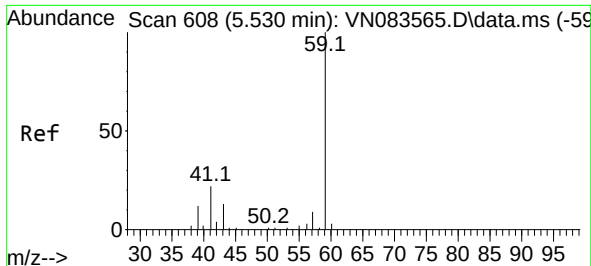
Tgt Ion: 94 Resp: 295  
Ion Ratio Lower Upper  
94 100  
96 57.0 76.0 114.0#



#6  
Chloroethane  
Concen: 0.672 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.047 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

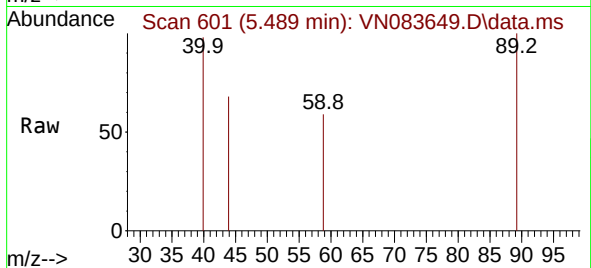
Tgt Ion: 64 Resp: 782  
Ion Ratio Lower Upper  
64 100  
66 26.7 23.9 35.9



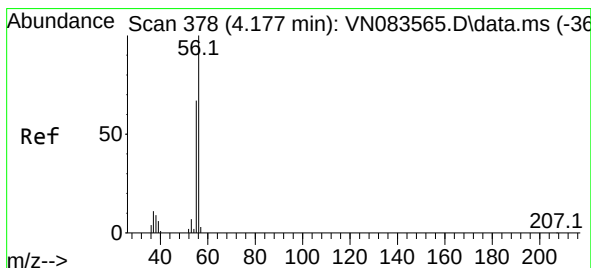
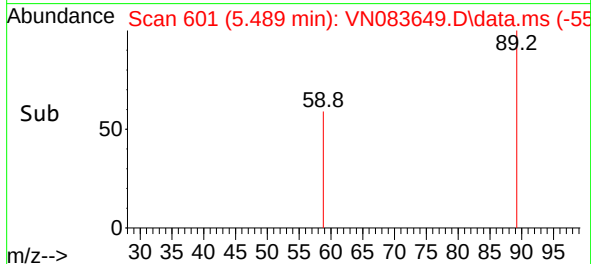
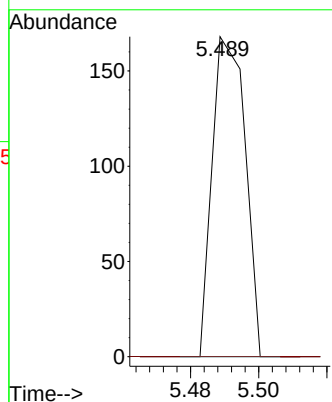


#11  
Tert butyl alcohol  
Concen: 0.360 ug/l  
RT: 5.489 min Scan# 608  
Delta R.T. -0.041 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :

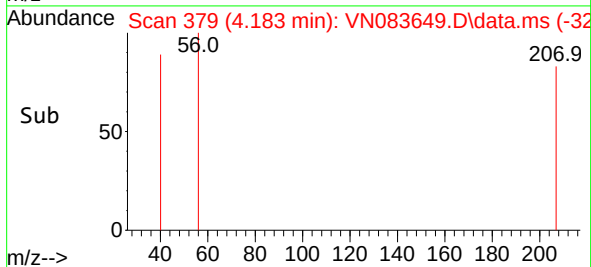
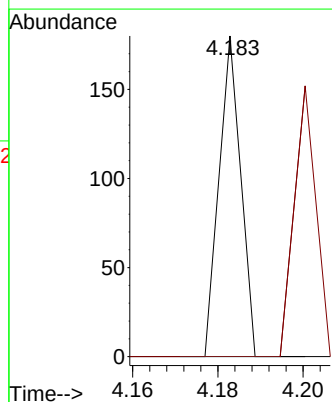
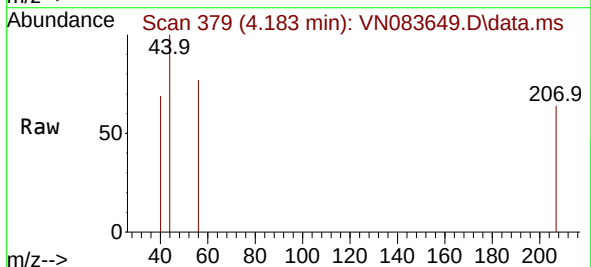


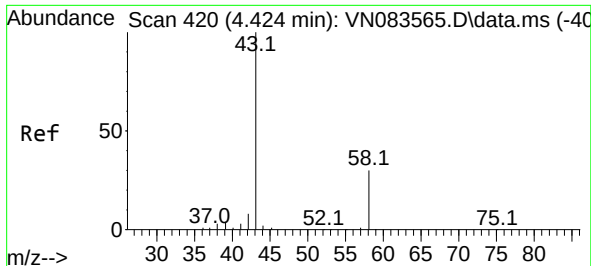
Tgt Ion: 59 Resp: 113  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.7 13.1#



#13  
Acrolein  
Concen: 0.212 ug/l  
RT: 4.183 min Scan# 379  
Delta R.T. 0.006 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

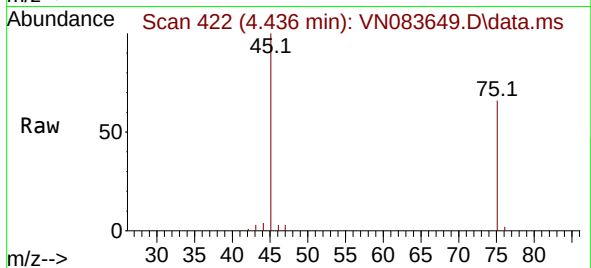
Tgt Ion: 56 Resp: 63  
Ion Ratio Lower Upper  
56 100  
55 85.7 58.2 87.2



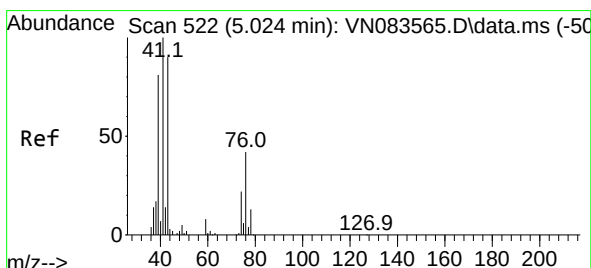
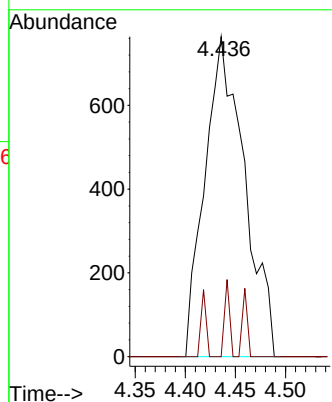
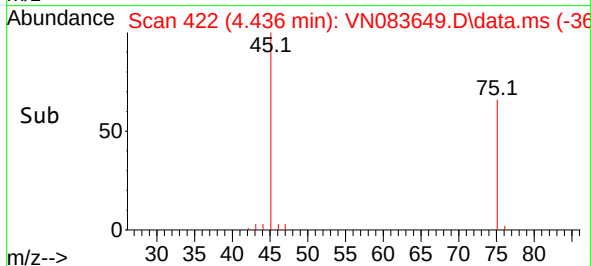


#16  
Acetone  
Concen: 2.610 ug/l  
RT: 4.436 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Instrument :  
MSVOA\_N  
ClientSampleId :

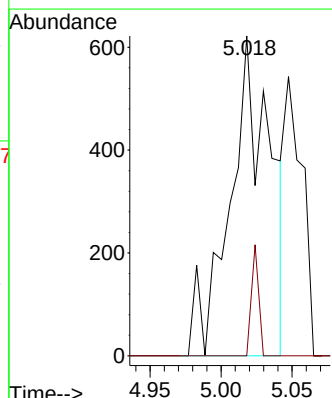
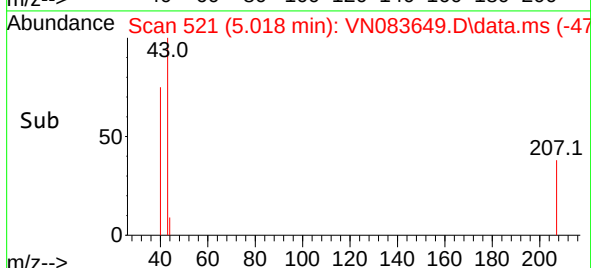
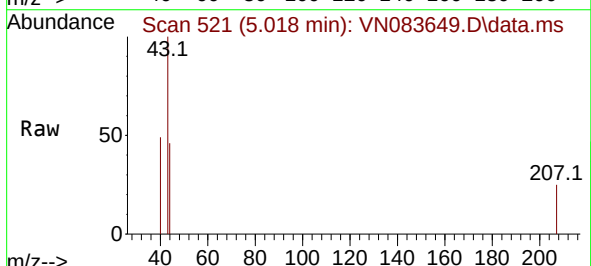


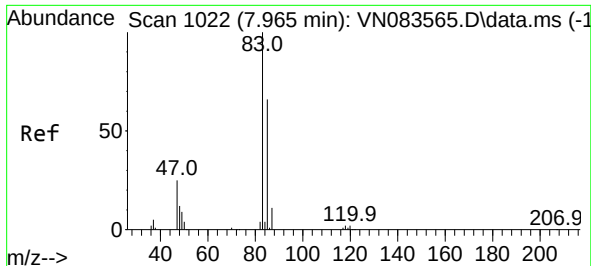
Tgt Ion: 43 Resp: 2098  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.7 35.5#



#18  
Methyl Acetate  
Concen: 0.571 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.006 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Tgt Ion: 43 Resp: 1220  
Ion Ratio Lower Upper  
43 100  
74 6.2 19.0 28.4#





#30

Chloroform

Concen: 0.846 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN083649.D

Acq: 04 Sep 2024 15:06

Instrument :

MSVOA\_N

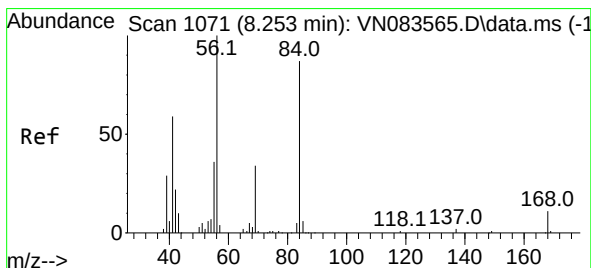
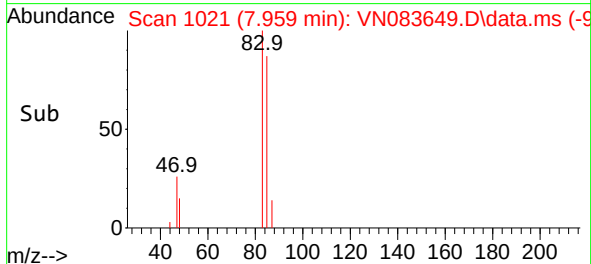
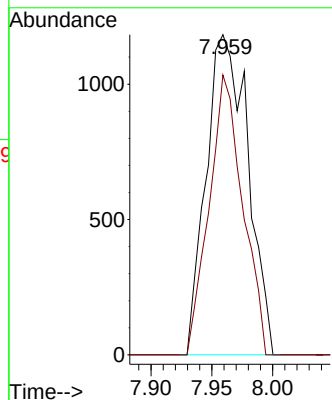
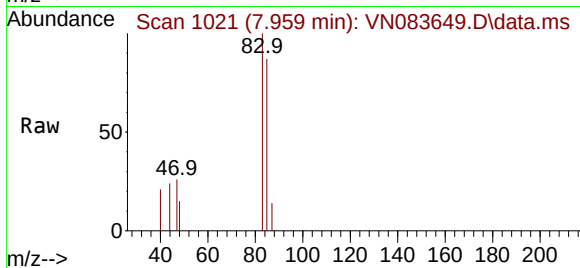
ClientSampleId :

Tgt Ion: 83 Resp: 2823

Ion Ratio Lower Upper

83 100

85 87.4 52.8 79.2#



#31

Cyclohexane

Concen: 1.354 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN083649.D

Acq: 04 Sep 2024 15:06

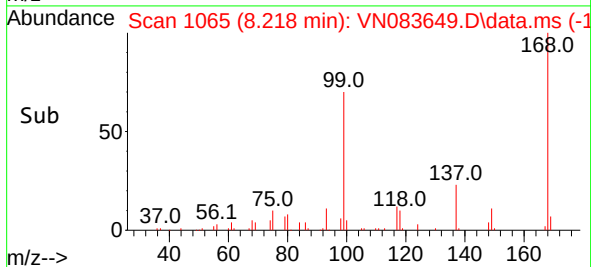
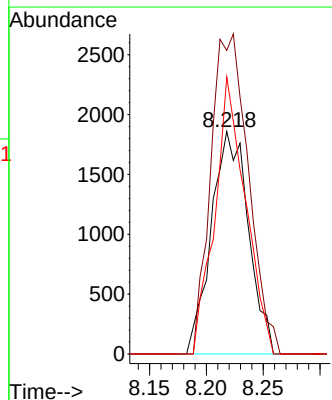
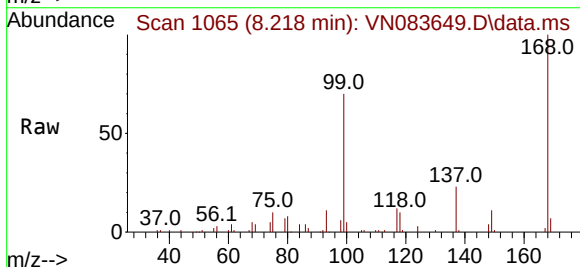
Tgt Ion: 56 Resp: 4222

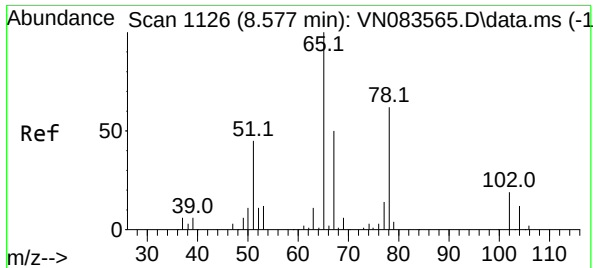
Ion Ratio Lower Upper

56 100

69 136.5 26.9 40.3#

84 124.5 69.2 103.8#

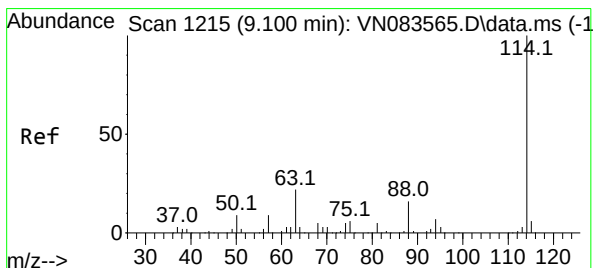
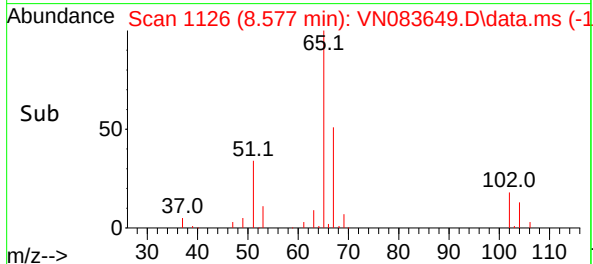
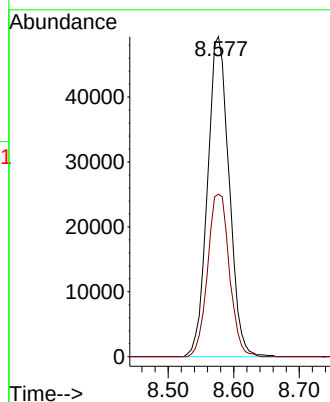
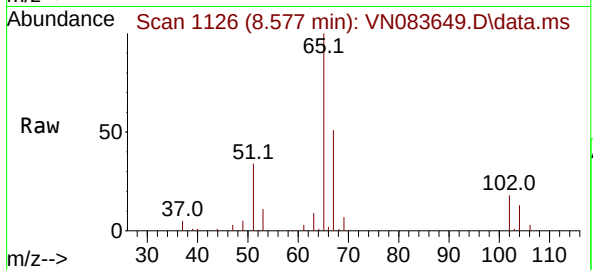




#33  
1,2-Dichloroethane-d4  
Concen: 55.922 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

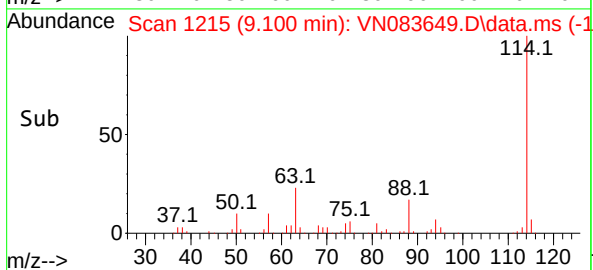
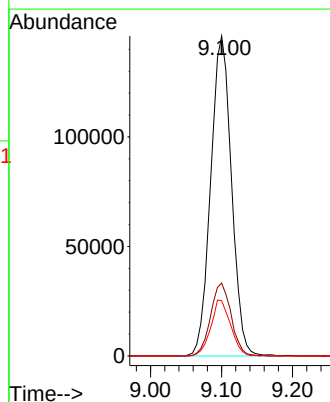
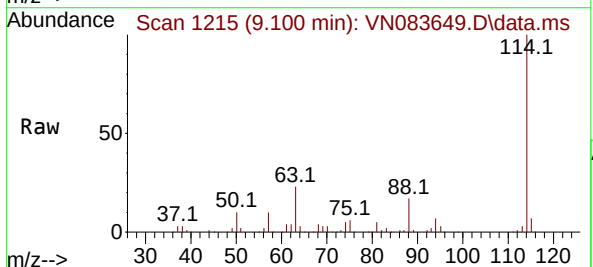
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 65 Resp: 112725  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 100.8

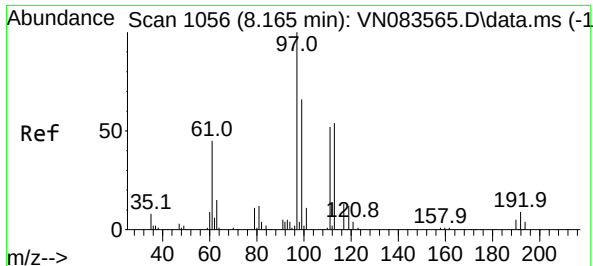


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Tgt Ion: 114 Resp: 296531  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 43.4  
88 17.3 0.0 32.6



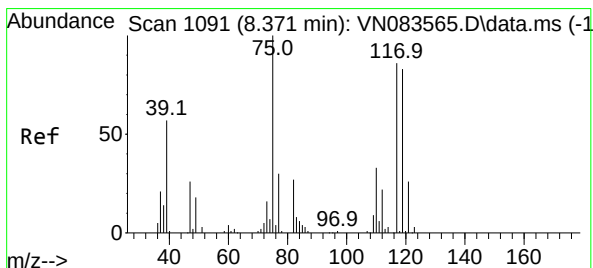
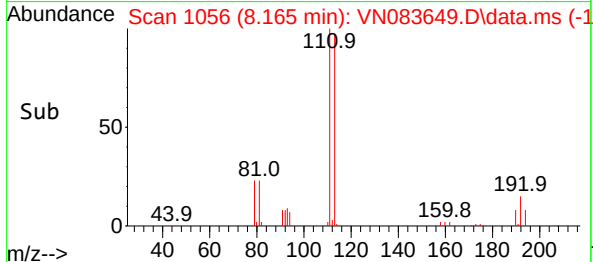
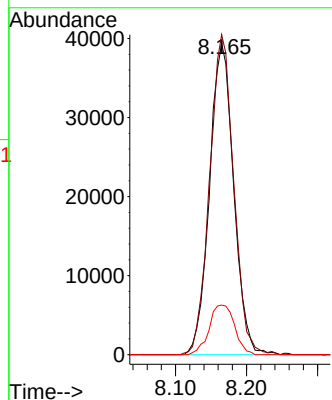
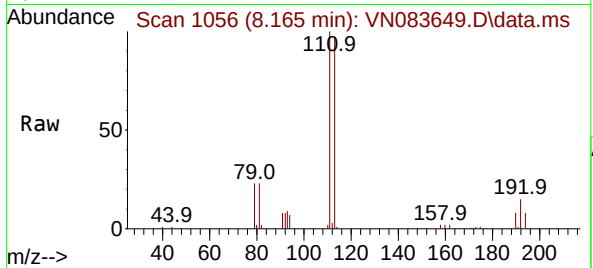




#35  
Dibromofluoromethane  
Concen: 52.090 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

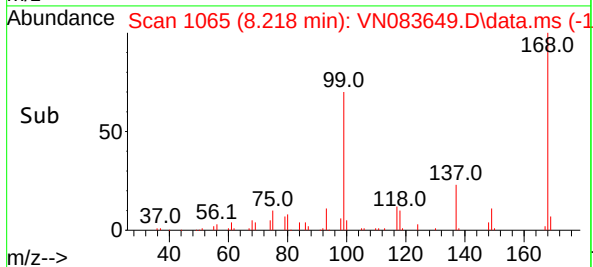
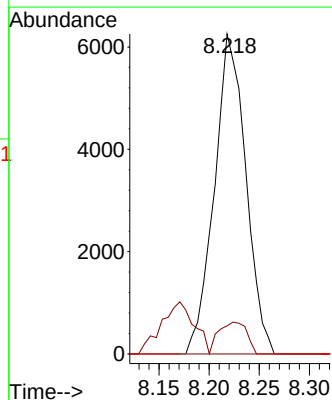
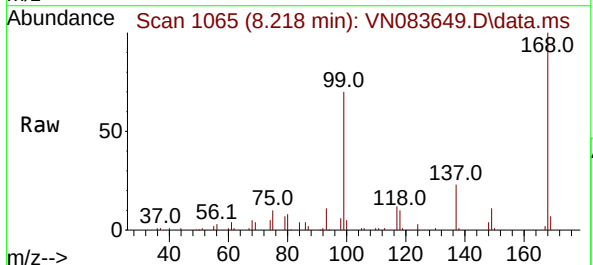
Instrument :  
MSVOA\_N  
ClientSampleId :

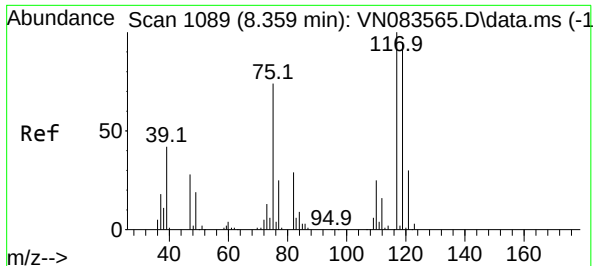
Tgt Ion: 113 Resp: 92968  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.6 124.0  
192 16.8 14.3 21.5



#36  
1,1-Dichloropropene  
Concen: 5.005 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.153 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

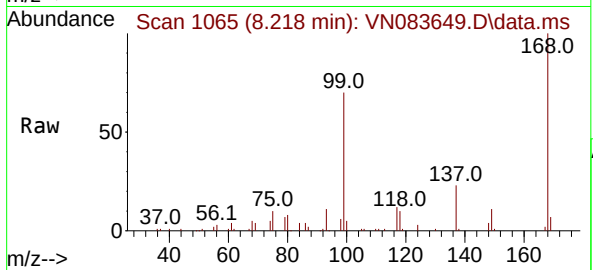
Tgt Ion: 75 Resp: 13626  
Ion Ratio Lower Upper  
75 100  
110 8.9 16.7 50.1#  
77 0.0 25.2 37.8#



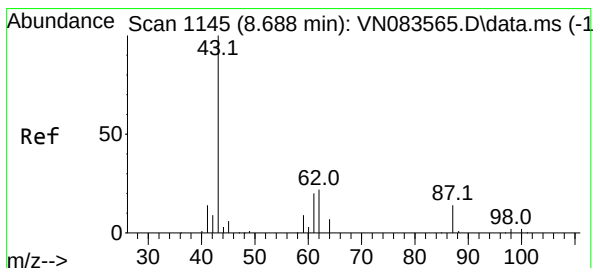
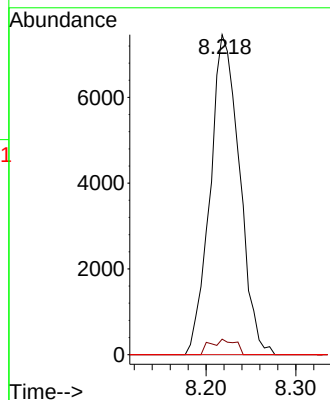
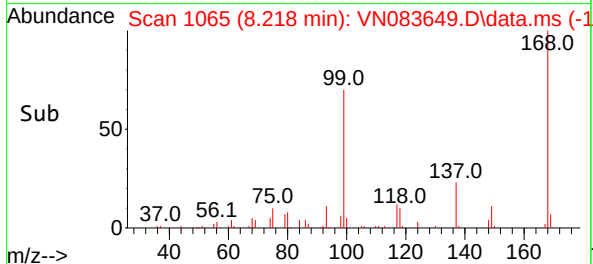


#38  
Carbon Tetrachloride  
Concen: 5.471 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.141 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

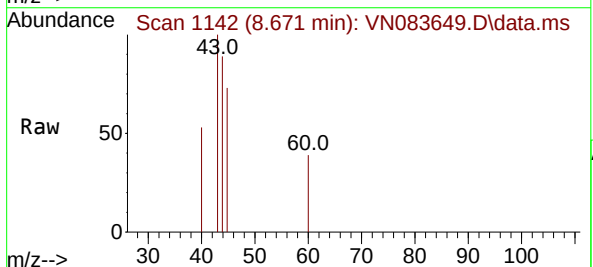
Instrument :  
MSVOA\_N  
ClientSampleId :



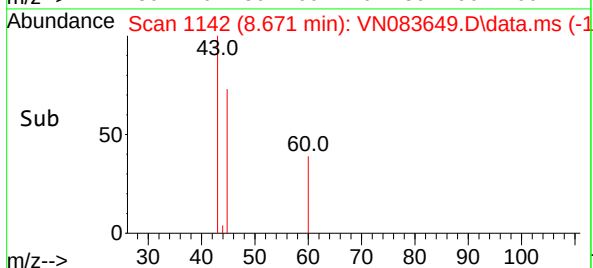
Tgt Ion:117 Resp: 16992  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.1 114.1#  
121 0.0 24.1 36.1#

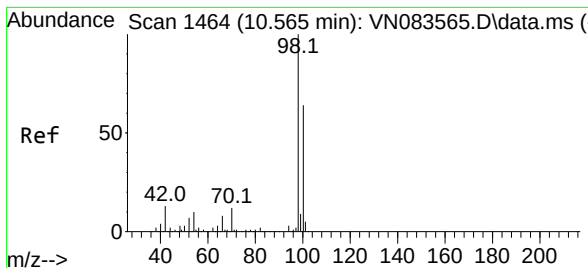


#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.017 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06



Tgt Ion: 43 Resp: 720  
Ion Ratio Lower Upper  
43 100  
61 0.0 19.4 29.0#  
87 0.0 9.8 14.6#

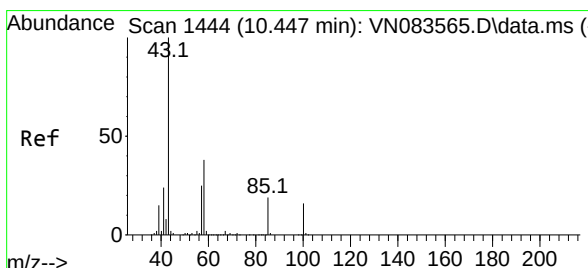
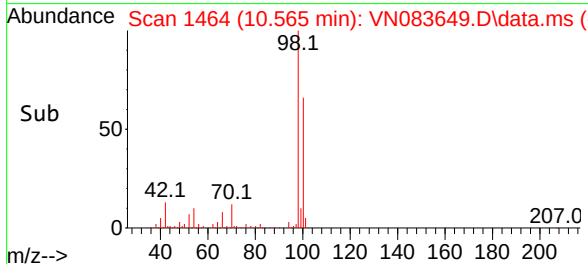
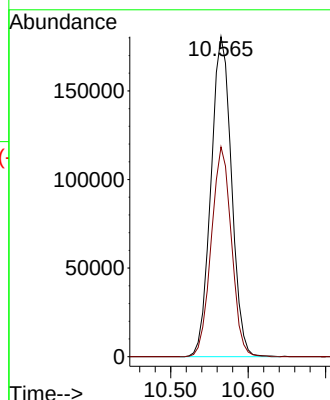
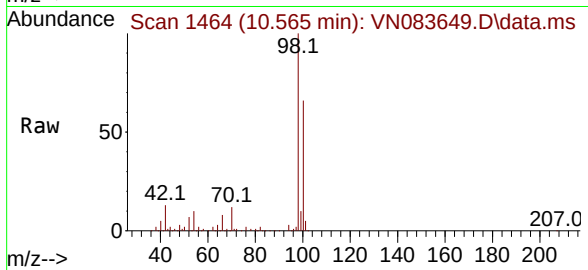




#50  
Toluene-d8  
Concen: 47.985 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

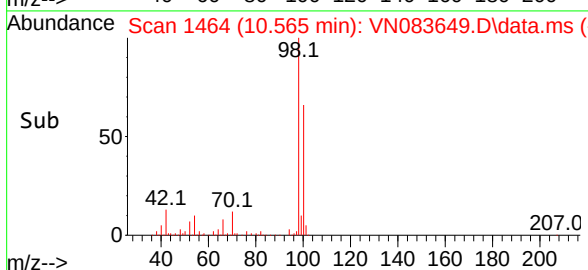
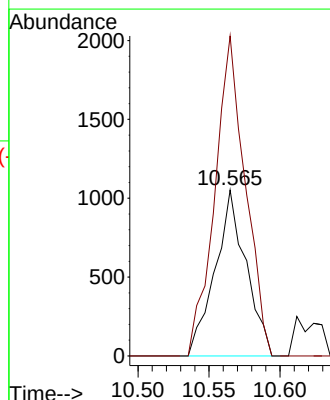
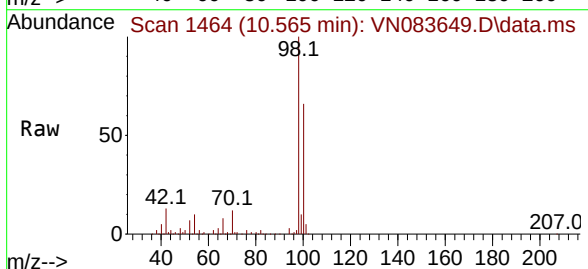
Instrument :  
MSVOA\_N  
ClientSampleId :

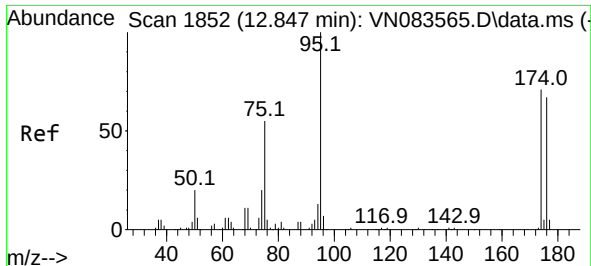
Tgt Ion: 98 Resp: 333551  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.633 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.118 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Tgt Ion: 43 Resp: 1594  
Ion Ratio Lower Upper  
43 100  
58 190.7 31.6 47.4#

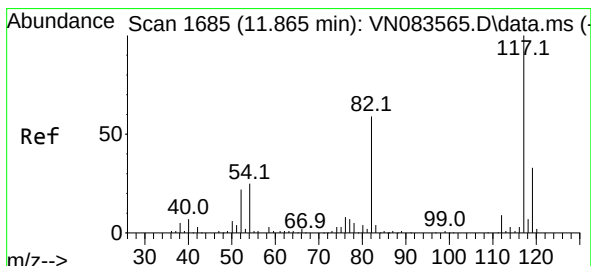
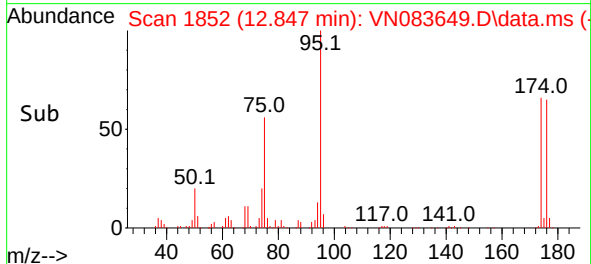
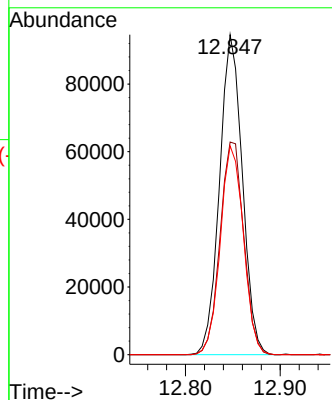
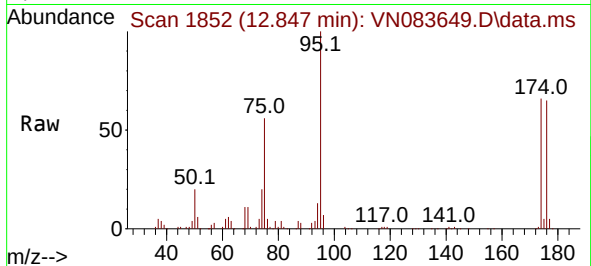




#62  
4-Bromofluorobenzene  
Concen: 61.556 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

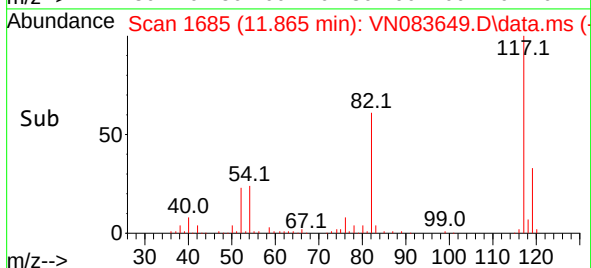
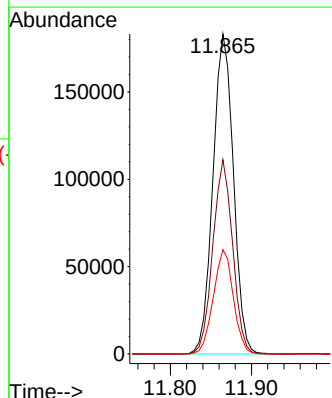
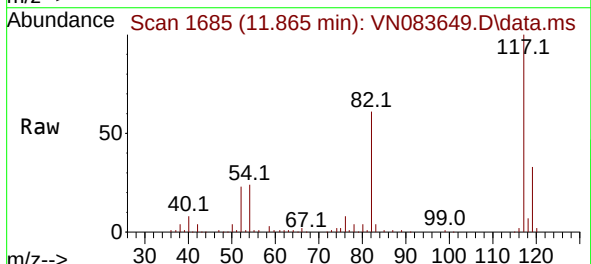
Instrument :  
MSVOA\_N  
ClientSampleId :

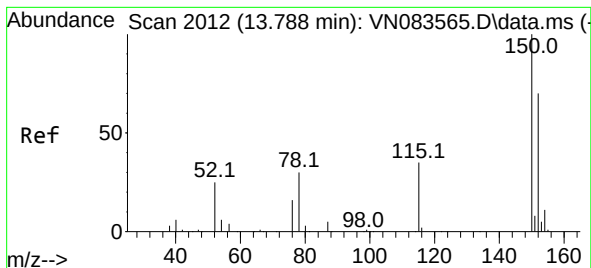
Tgt Ion: 95 Resp: 158486  
Ion Ratio Lower Upper  
95 100  
174 69.0 0.0 139.8  
176 66.1 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Tgt Ion: 117 Resp: 321093  
Ion Ratio Lower Upper  
117 100  
82 60.7 47.4 71.0  
119 32.6 26.3 39.5

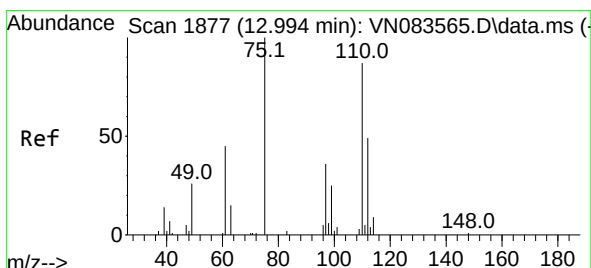
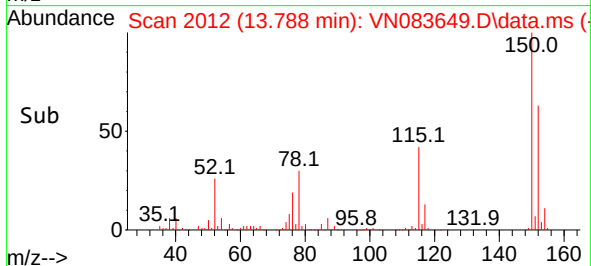
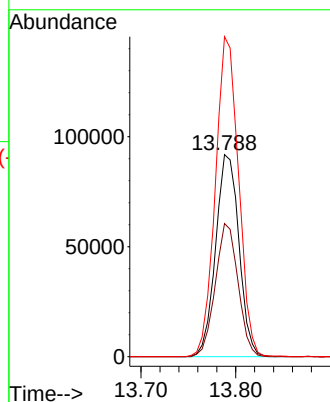
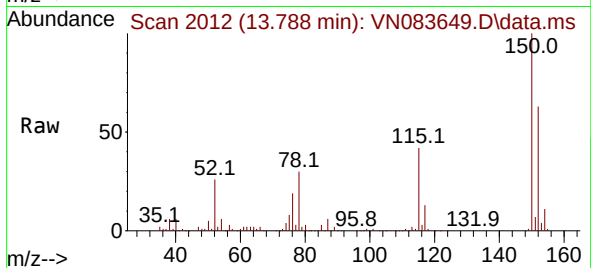




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

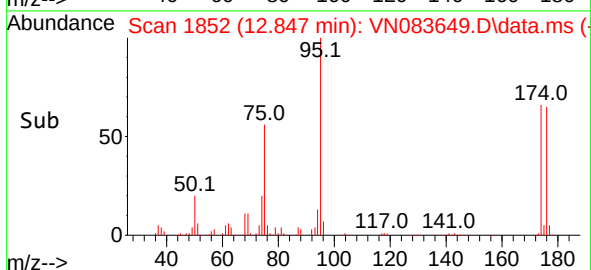
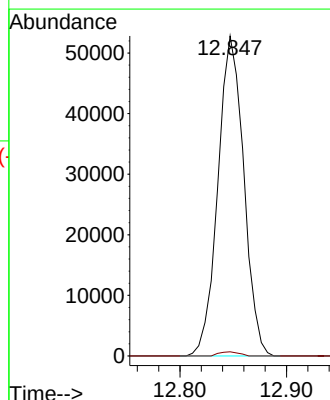
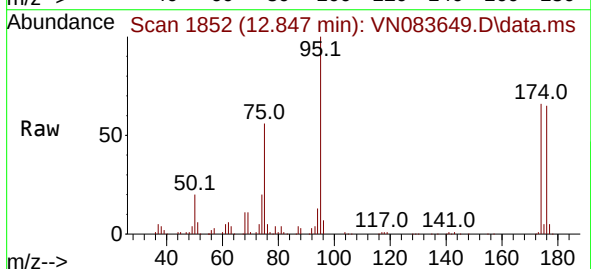
Instrument :  
MSVOA\_N  
ClientSampleId :

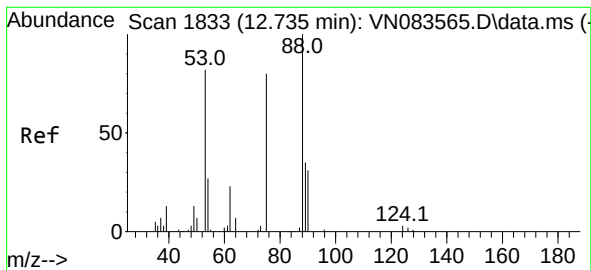
Tgt Ion:152 Resp: 157118  
Ion Ratio Lower Upper  
152 100  
115 64.3 32.2 96.6  
150 157.4 0.0 348.6



#76  
1,2,3-Trichloropropane  
Concen: 28.053 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.147 min  
Lab File: VN083649.D  
Acq: 04 Sep 2024 15:06

Tgt Ion: 75 Resp: 88990  
Ion Ratio Lower Upper  
75 100  
77 1.0 95.2 285.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 66.166 ug/l  
 RT: 12.847 min Scan# 11  
 Delta R.T. 0.112 min  
 Lab File: VN083649.D  
 Acq: 04 Sep 2024 15:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 75 Resp: 88990  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 81.2 121.8#  
 89 0.1 35.7 53.5#

