

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN083024\  
 Data File : VN083576.D  
 Acq On : 30 Aug 2024 15:33  
 Operator : JC\MD  
 Sample : P3795-03 20X  
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 31 02:38:47 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  | 158344   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 318835   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 339590   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 163531   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 118807   | 53.686   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 107.380% |
| 35) Dibromofluoromethane    | 8.165  | 113   | 97165    | 50.633   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.260% |
| 50) Toluene-d8              | 10.565 | 98    | 347042   | 46.470   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 92.940%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 164761   | 59.517   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 119.040% |

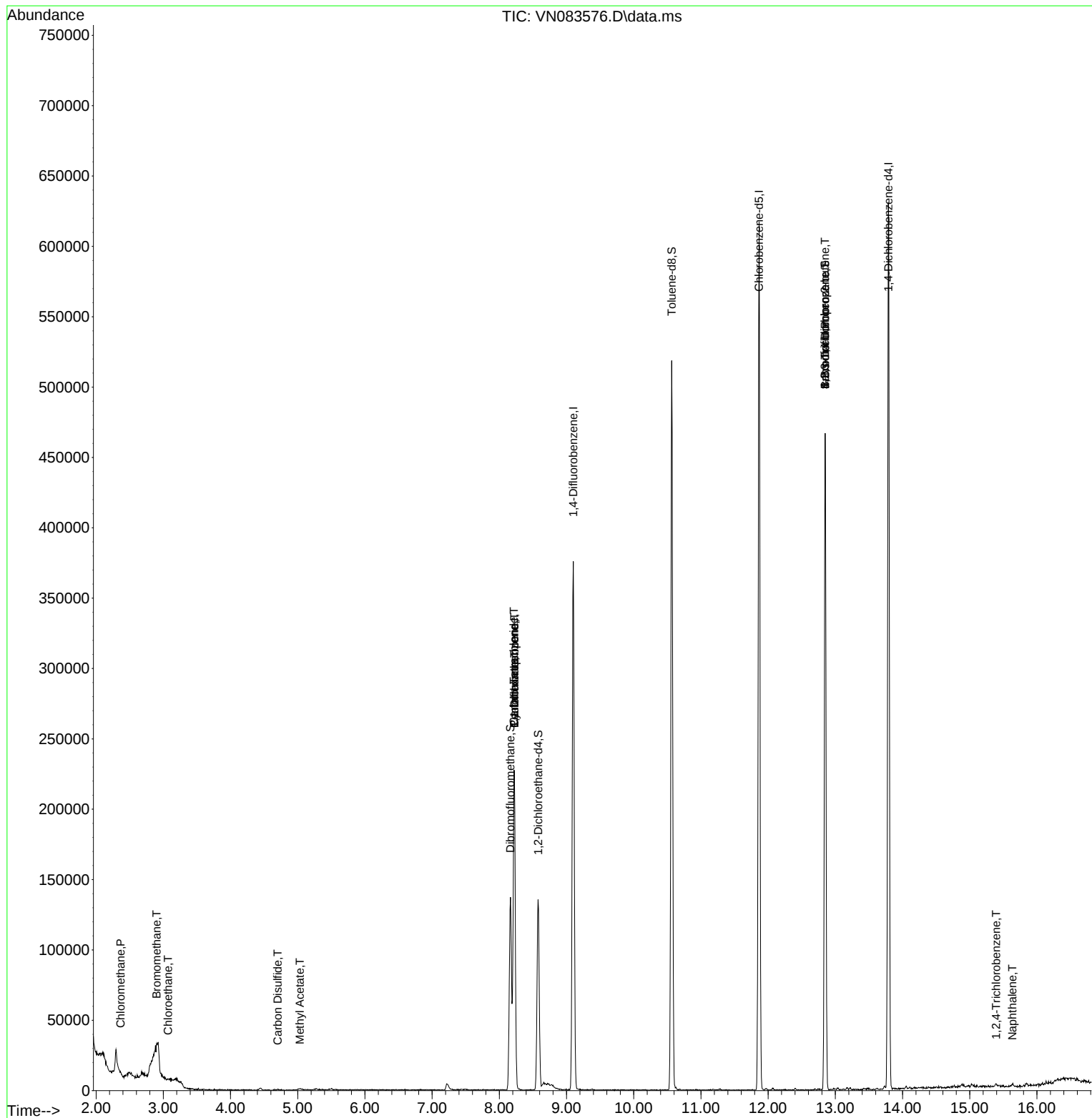
| Target Compounds              |        |     |       |           | Qvalue |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| 3) Chloromethane              | 2.365  | 50  | 502   | 0.257     | ug/l # | 41 |
| 5) Bromomethane               | 2.901  | 94  | 573   | 0.558     | ug/l # | 60 |
| 6) Chloroethane               | 3.071  | 64  | 689   | 0.540     | ug/l # | 45 |
| 17) Carbon Disulfide          | 4.701  | 76  | 1121  | 0.222     | ug/l # | 75 |
| 18) Methyl Acetate            | 5.030  | 43  | 2059  | 0.877     | ug/l # | 65 |
| 31) Cyclohexane               | 8.224  | 56  | 4268  | 1.247     | ug/l # | 51 |
| 36) 1,1-Dichloropropene       | 8.224  | 75  | 14134 | 4.829     | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 8.218  | 117 | 17619 | 5.276     | ug/l # | 17 |
| 43) Isopropyl Acetate         | 8.659  | 43  | 6674  | Below Cal | #      | 57 |
| 71) Bromoform                 | 12.847 | 173 | 997   | 0.544     | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75  | 89483 | 27.102    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75  | 89483 | 63.923    | ug/l # | 9  |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180 | 821   | 0.249     | ug/l # | 68 |
| 95) Naphthalene               | 15.635 | 128 | 2302  | 0.218     | ug/l # | 94 |

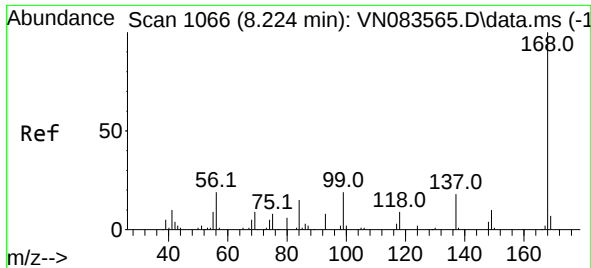
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN083024\  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Aug 31 02:38:47 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

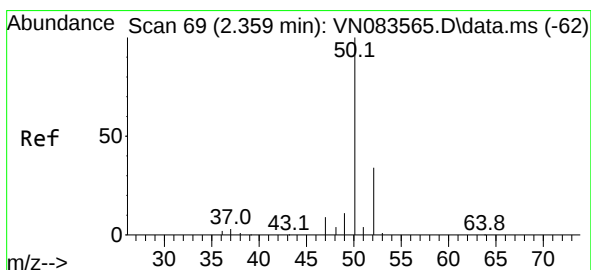
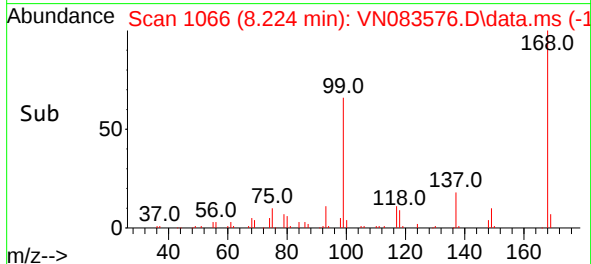
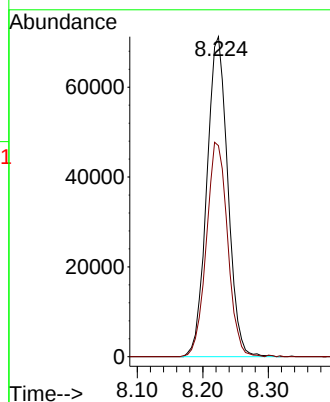
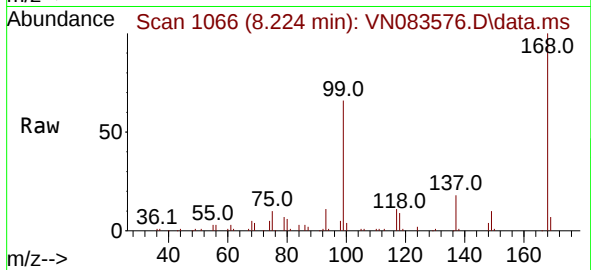




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

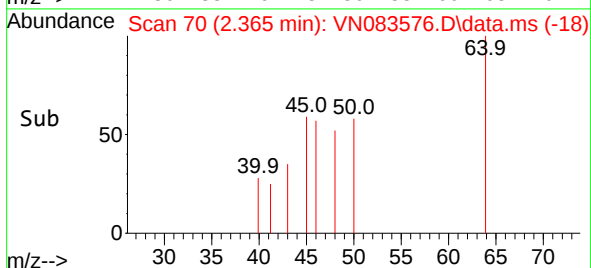
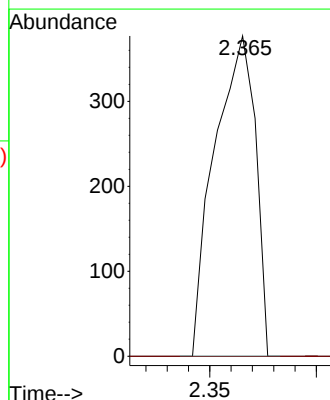
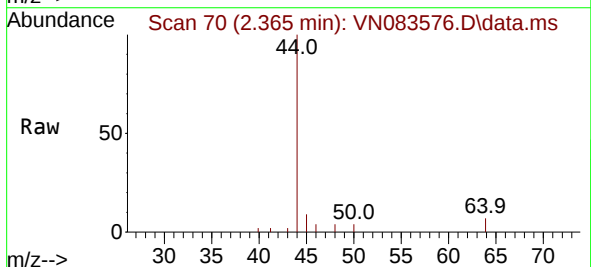
Instrument :  
MSVOA\_N  
ClientSampleId :

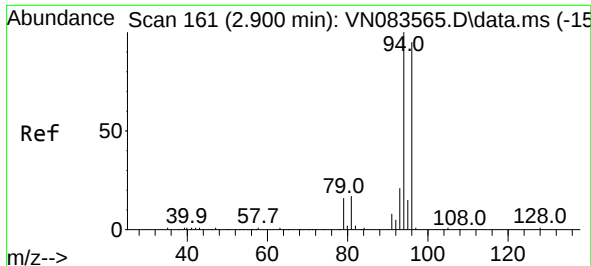
Tgt Ion:168 Resp: 158344  
Ion Ratio Lower Upper  
168 100  
99 66.0 54.2 81.2



#3  
Chloromethane  
Concen: 0.257 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

Tgt Ion: 50 Resp: 502  
Ion Ratio Lower Upper  
50 100  
52 0.0 27.2 40.8#

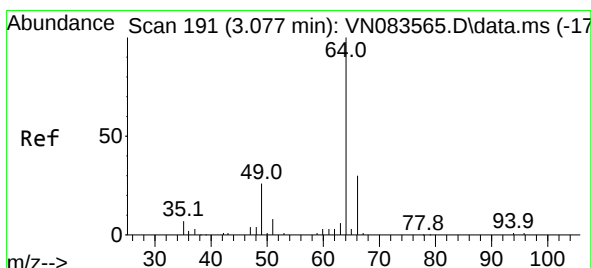
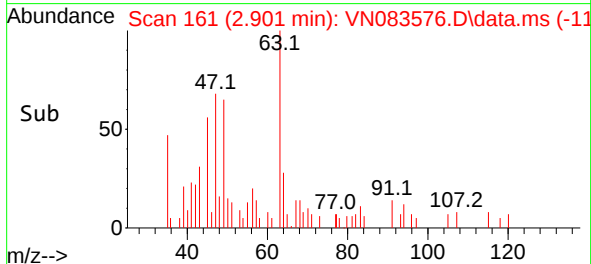
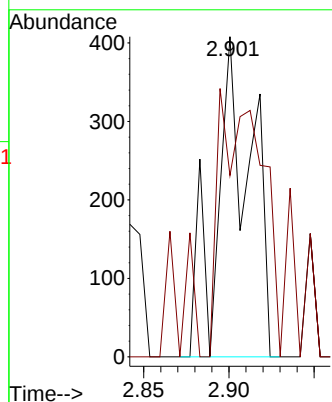
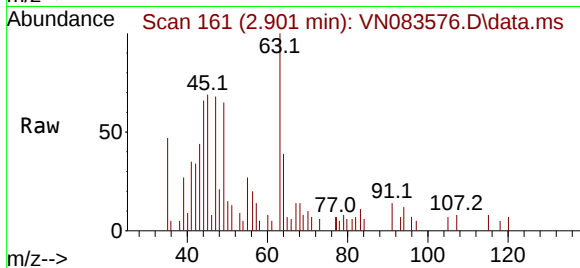




#5  
Bromomethane  
Concen: 0.558 ug/l  
RT: 2.901 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

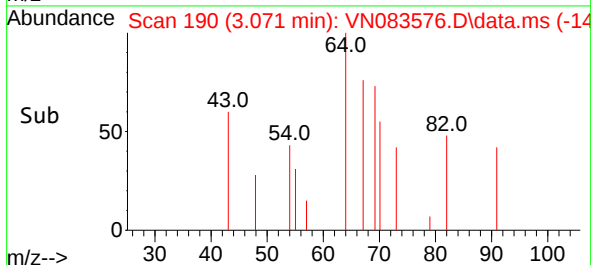
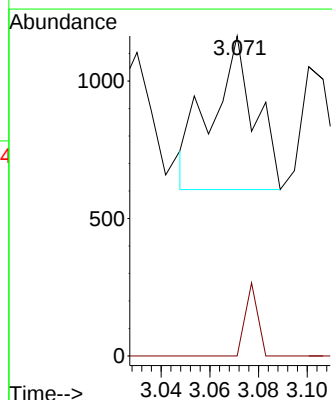
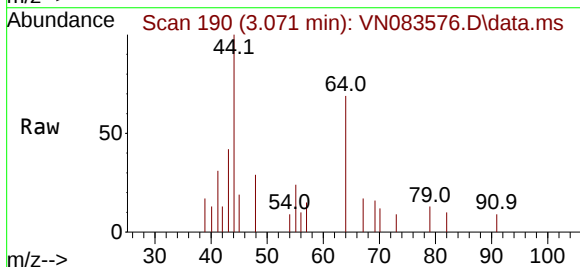
Instrument :  
MSVOA\_N  
ClientSampleId :

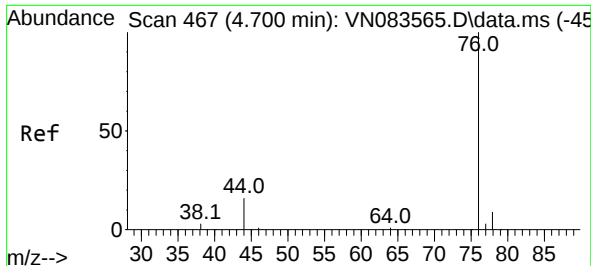
Tgt Ion: 94 Resp: 573  
Ion Ratio Lower Upper  
94 100  
96 56.6 76.0 114.0#



#6  
Chloroethane  
Concen: 0.540 ug/l  
RT: 3.071 min Scan# 190  
Delta R.T. -0.006 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

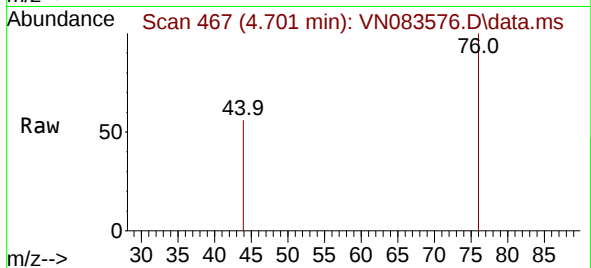
Tgt Ion: 64 Resp: 689  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.9 35.9#



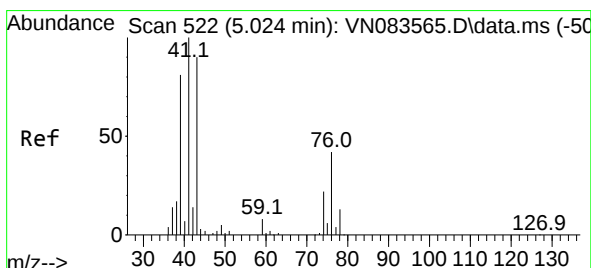
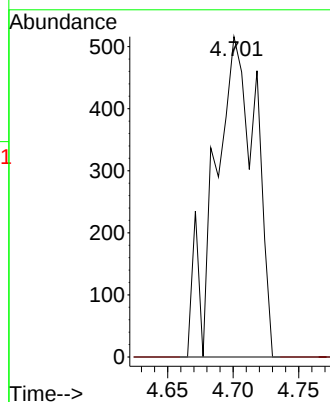
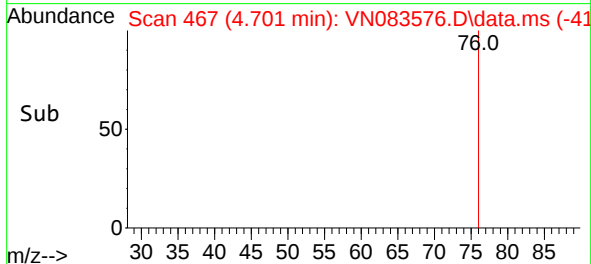


#17  
Carbon Disulfide  
Concen: 0.222 ug/l  
RT: 4.701 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

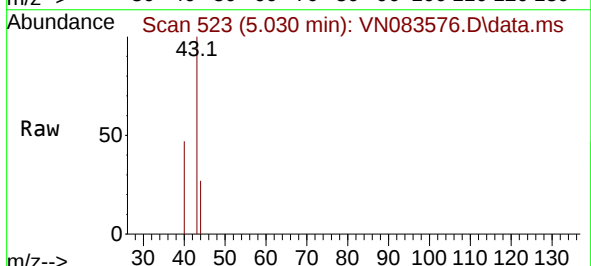
Instrument :  
MSVOA\_N  
ClientSampleId :



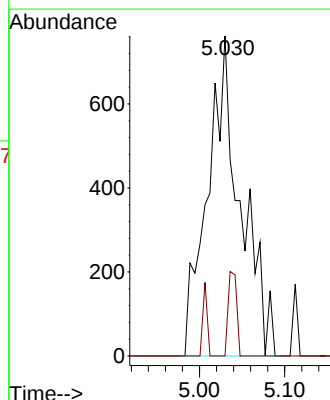
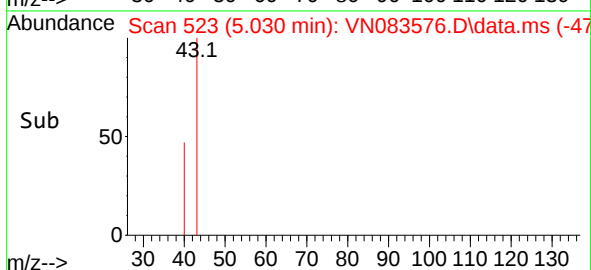
Tgt Ion: 76 Resp: 1121  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.1 10.7#

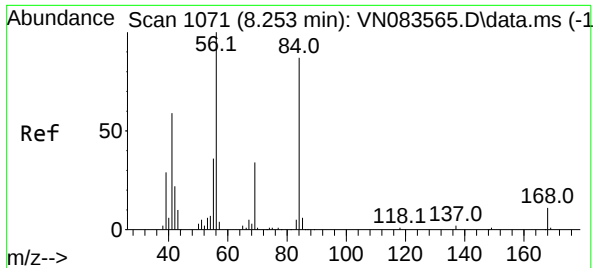


#18  
Methyl Acetate  
Concen: 0.877 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. 0.006 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33



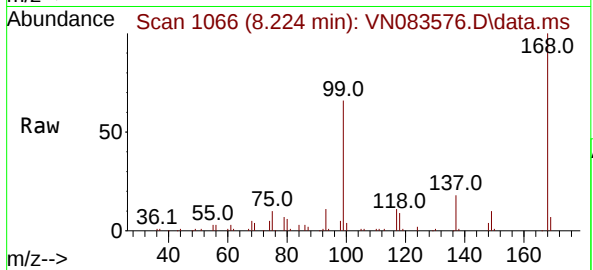
Tgt Ion: 43 Resp: 2059  
Ion Ratio Lower Upper  
43 100  
74 6.8 19.0 28.4#



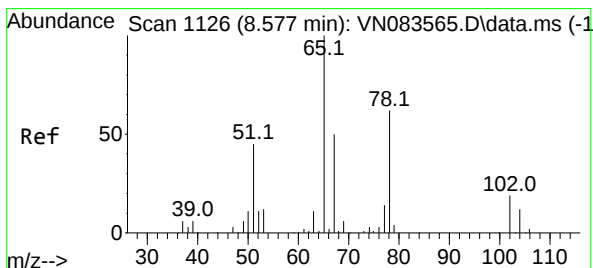
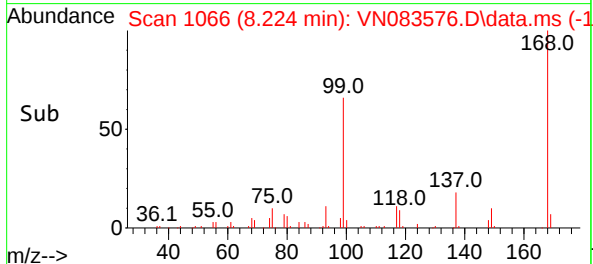
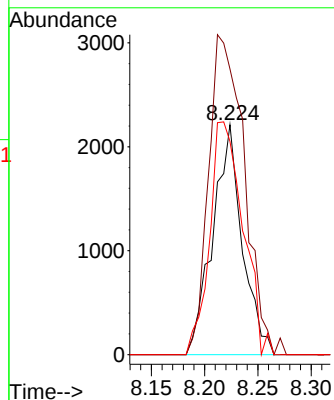


#31  
Cyclohexane  
Concen: 1.247 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :

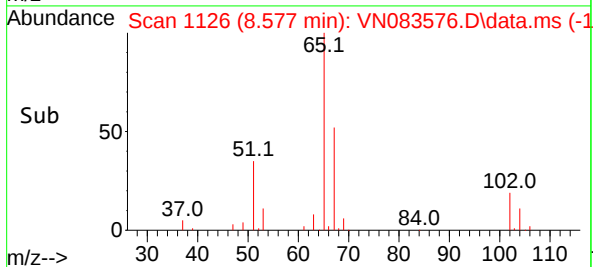
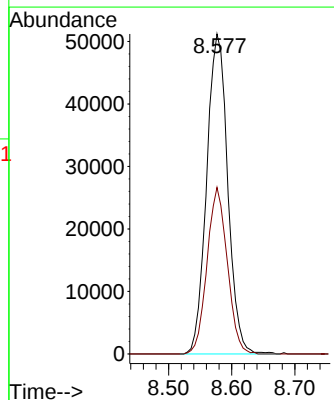
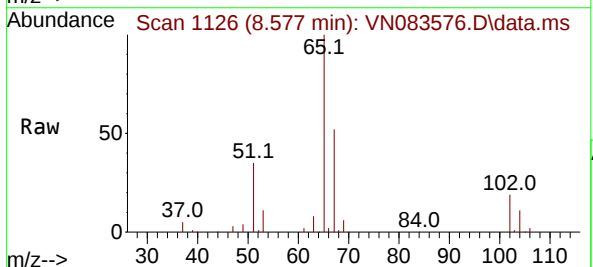


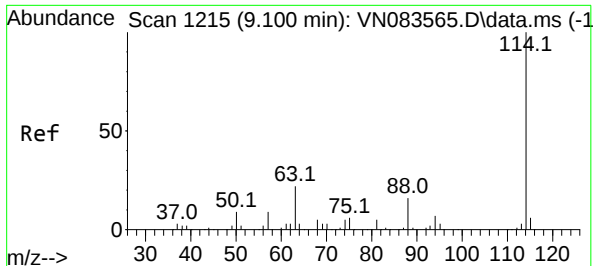
Tgt Ion: 56 Resp: 4268  
Ion Ratio Lower Upper  
56 100  
69 124.3 26.9 40.3#  
84 92.8 69.2 103.8



#33  
1,2-Dichloroethane-d4  
Concen: 53.686 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

Tgt Ion: 65 Resp: 118807  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 100.8

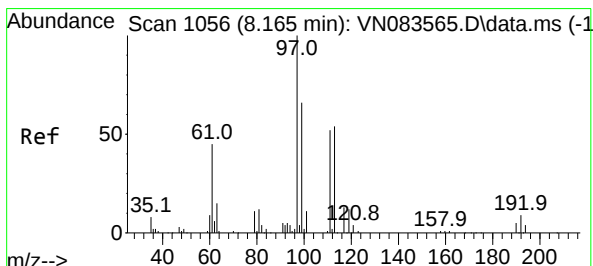
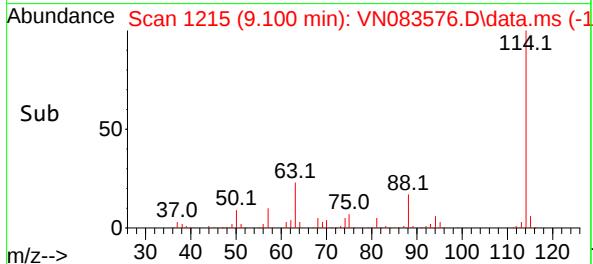
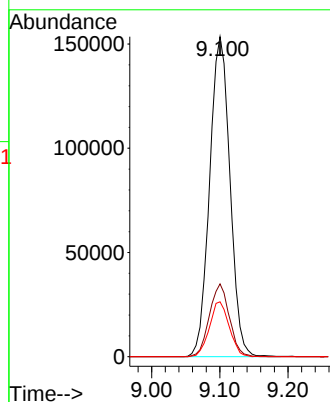
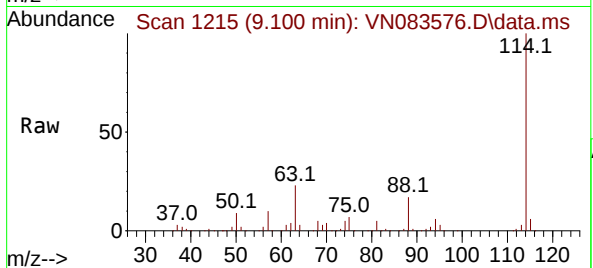




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

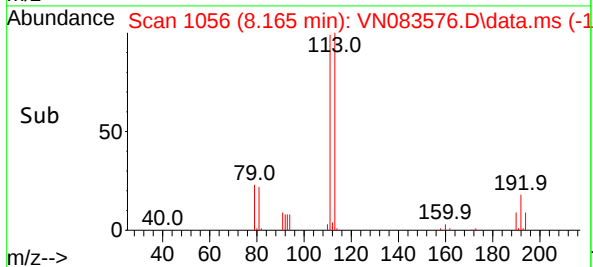
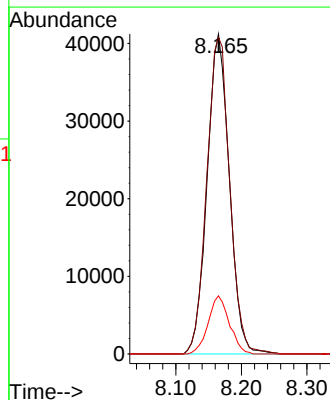
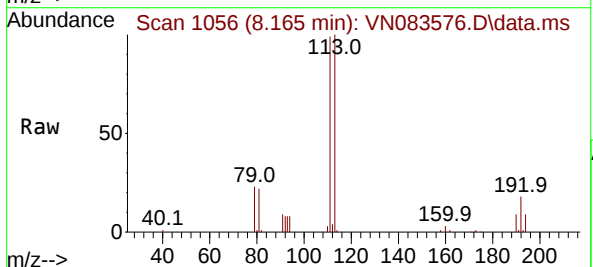
Instrument :  
MSVOA\_N  
ClientSampleId :

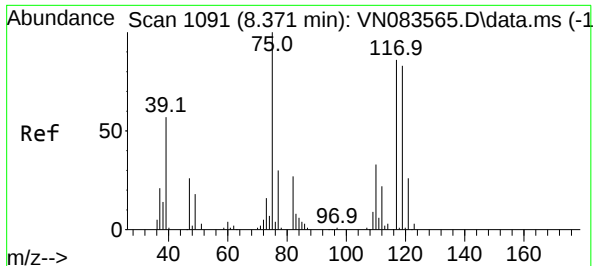
Tgt Ion:114 Resp: 318835  
Ion Ratio Lower Upper  
114 100  
63 22.7 0.0 43.4  
88 17.1 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 50.633 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

Tgt Ion:113 Resp: 97165  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.6 124.0  
192 17.3 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.829 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

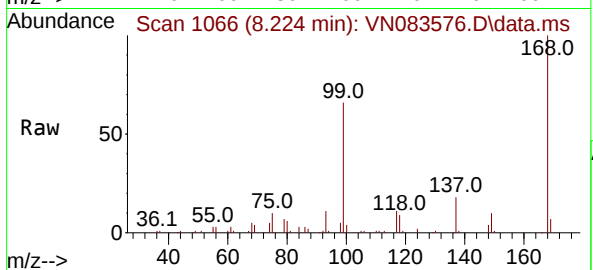
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Acq: 30 Aug 2024 15:33

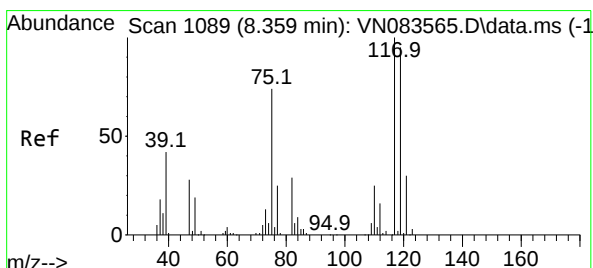
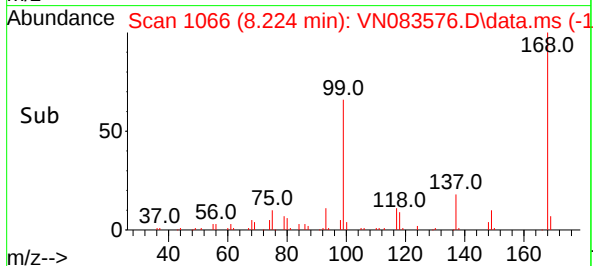
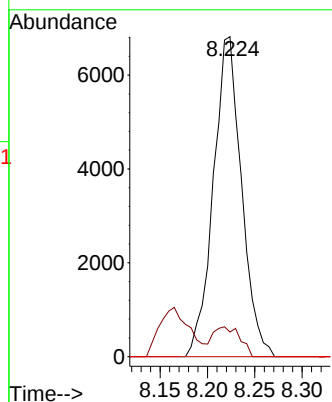
Instrument :

MSVOA\_N

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 14134 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.7   | 16.7  | 50.1# |
| 77        | 0.0   | 25.2  | 37.8# |



#38

Carbon Tetrachloride

Concen: 5.276 ug/l

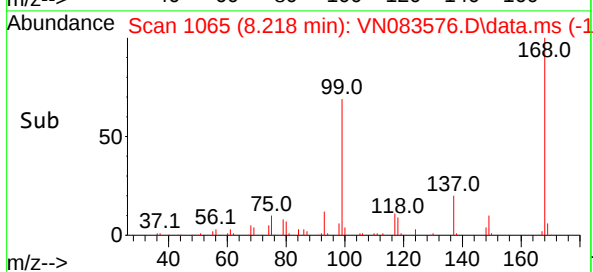
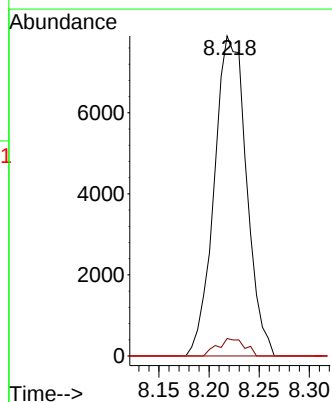
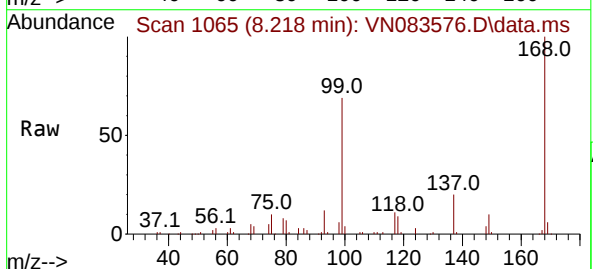
RT: 8.218 min Scan# 1065

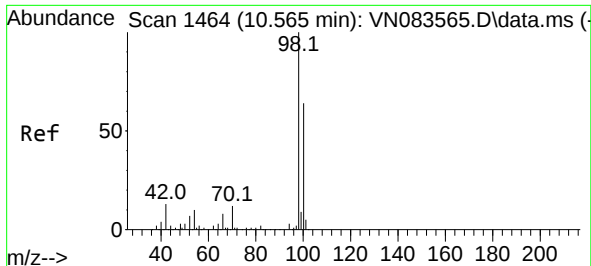
Delta R.T. -0.141 min

Lab File: VN083576.D

Acq: 30 Aug 2024 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 17619  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 5.5   | 76.1  | 114.1# |
| 121       | 0.0   | 24.1  | 36.1#  |

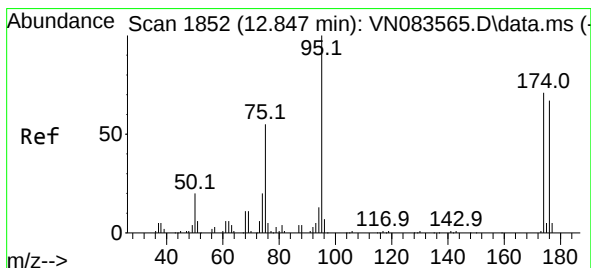
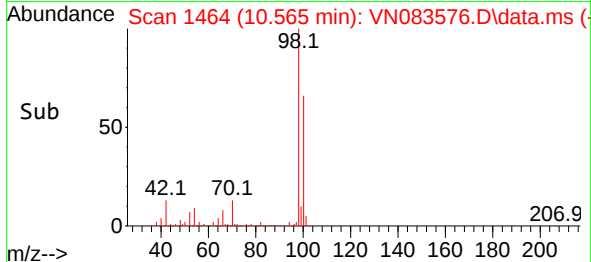
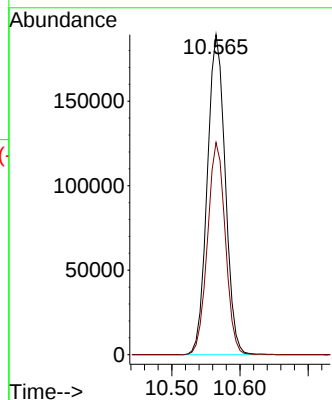
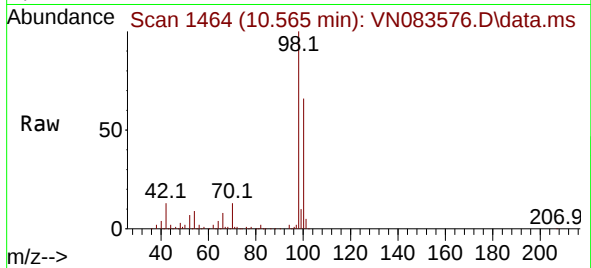




#50  
Toluene-d8  
Concen: 46.470 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

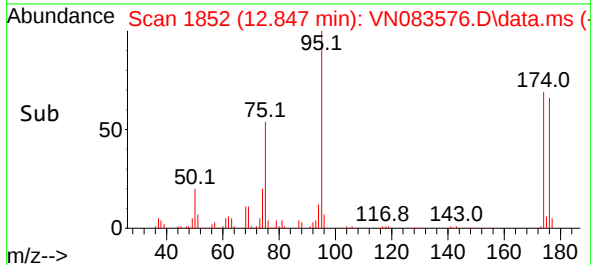
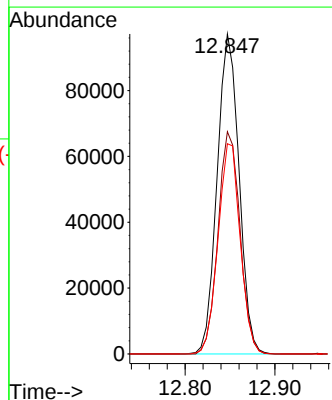
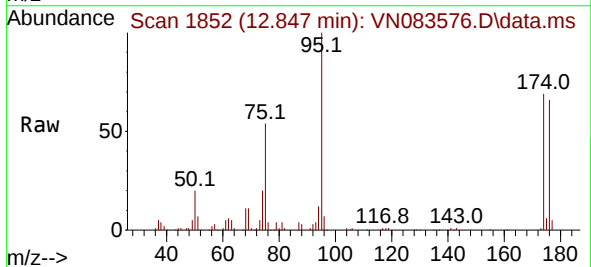
Instrument :  
MSVOA\_N  
ClientSampleId :

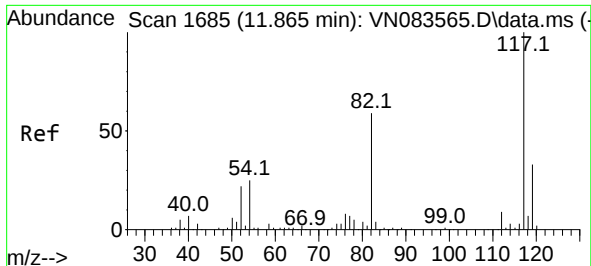
Tgt Ion: 98 Resp: 347042  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 59.517 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

Tgt Ion: 95 Resp: 164761  
Ion Ratio Lower Upper  
95 100  
174 69.6 0.0 139.8  
176 66.4 0.0 131.4

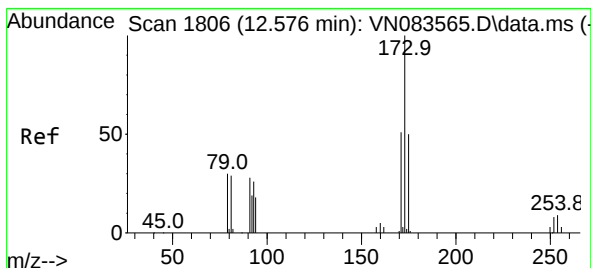
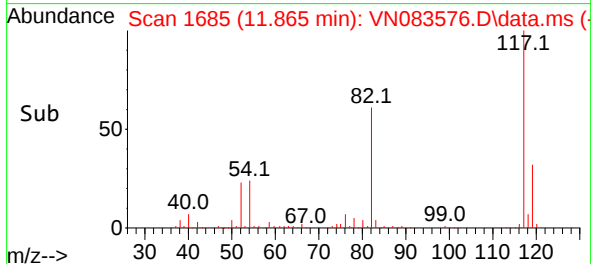
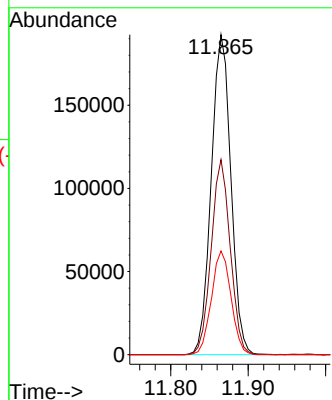
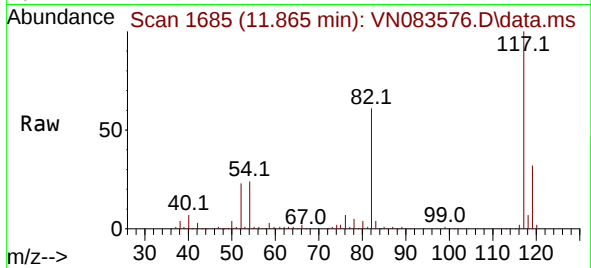




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

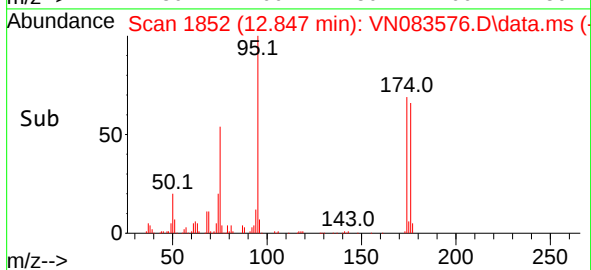
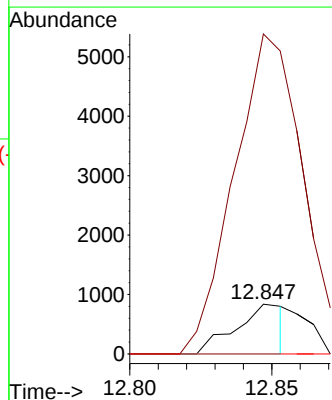
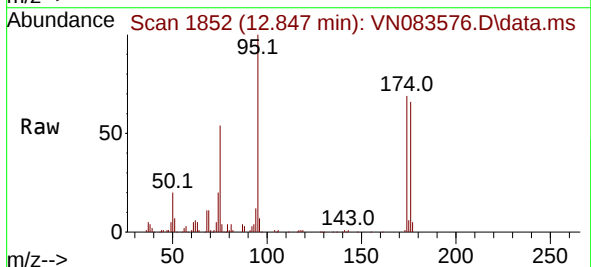
Instrument :  
MSVOA\_N  
ClientSampleId :

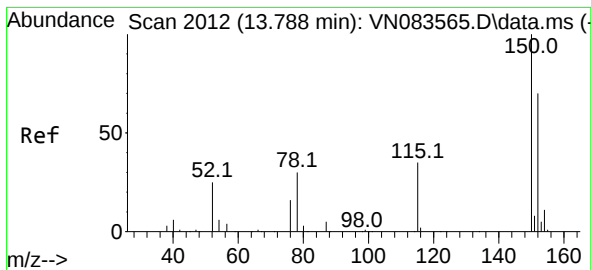
Tgt Ion:117 Resp: 339590  
Ion Ratio Lower Upper  
117 100  
82 60.9 47.4 71.0  
119 32.4 26.3 39.5



#71  
Bromoform  
Concen: 0.544 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.271 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

Tgt Ion:173 Resp: 997  
Ion Ratio Lower Upper  
173 100  
175 667.6 24.1 72.2#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083576.D

Acq: 30 Aug 2024 15:33

Instrument :

MSVOA\_N

ClientSampleId :

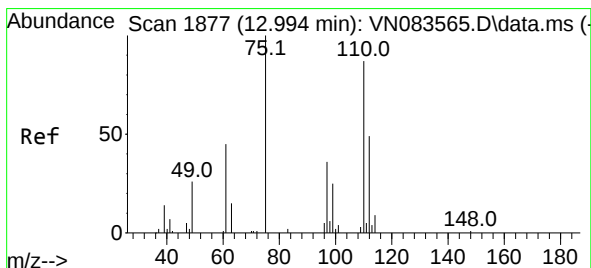
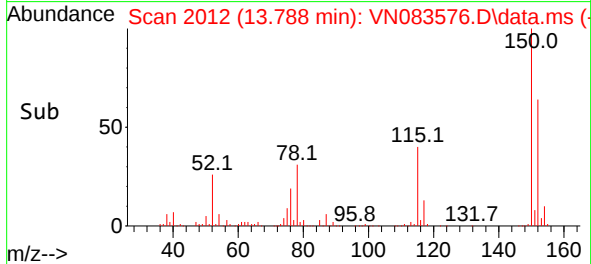
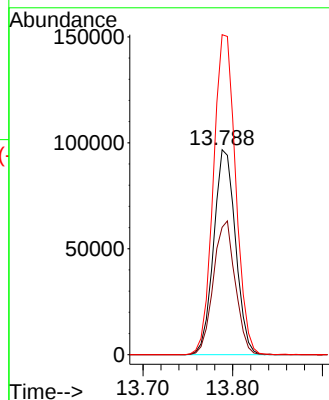
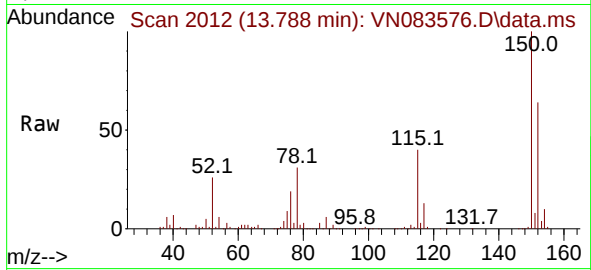
Tgt Ion:152 Resp: 163531

Ion Ratio Lower Upper

152 100

115 65.3 32.2 96.6

150 159.1 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 27.102 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083576.D

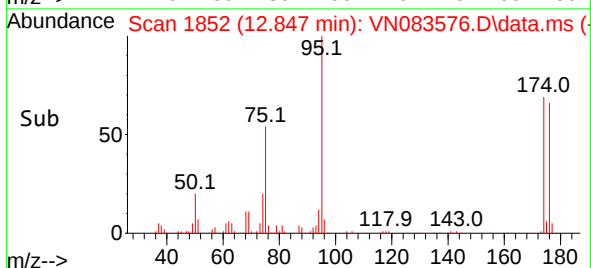
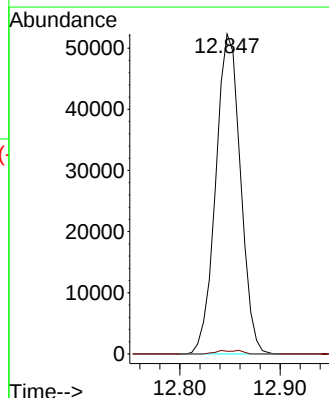
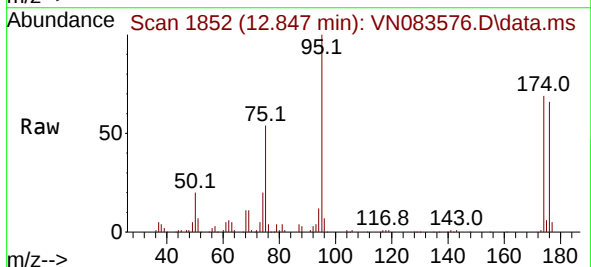
Acq: 30 Aug 2024 15:33

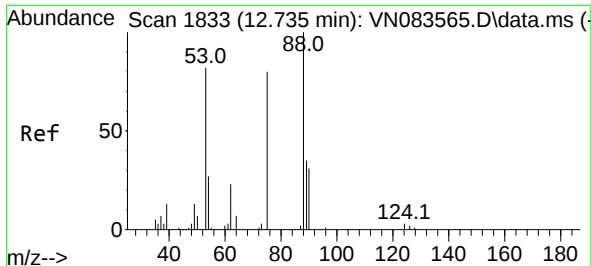
Tgt Ion: 75 Resp: 89483

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#

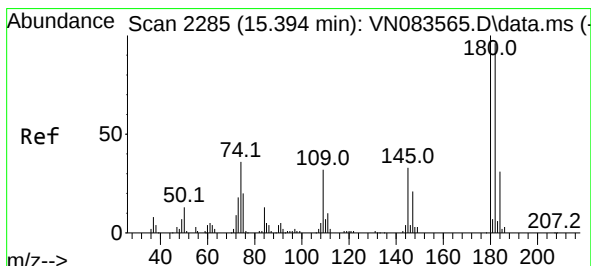
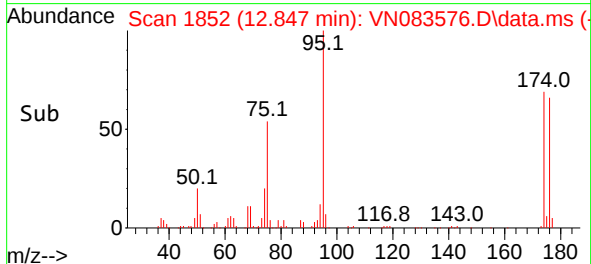
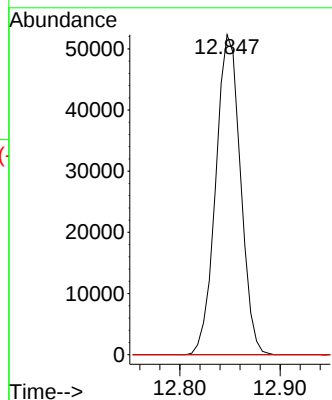
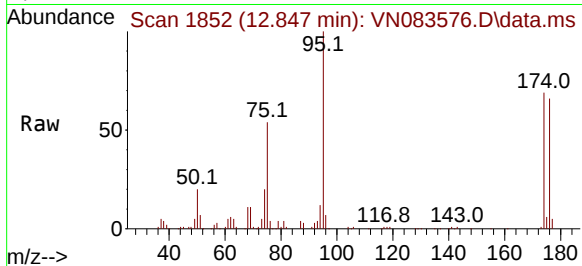




#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.923 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

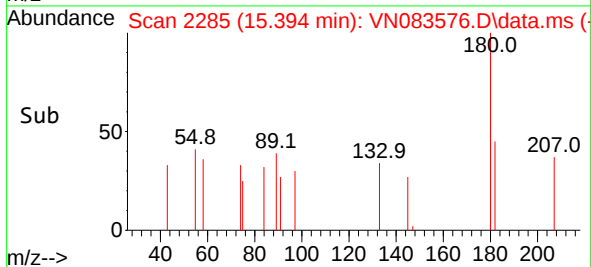
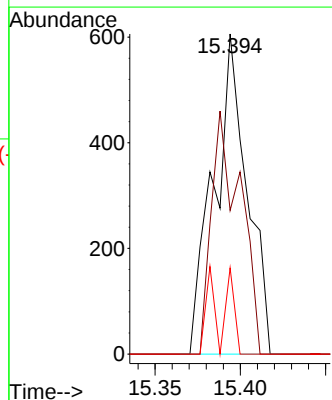
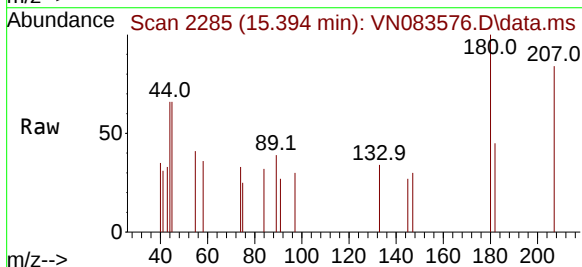
Instrument :  
MSVOA\_N  
ClientSampleId :

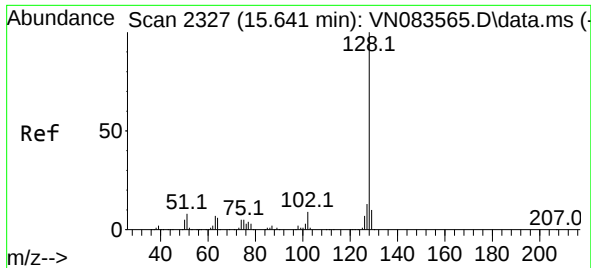
Tgt Ion: 75 Resp: 89483  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.2 121.8#  
89 0.0 35.7 53.5#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.249 ug/l  
RT: 15.394 min Scan# 2285  
Delta R.T. 0.000 min  
Lab File: VN083576.D  
Acq: 30 Aug 2024 15:33

Tgt Ion:180 Resp: 821  
Ion Ratio Lower Upper  
180 100  
182 66.0 48.1 144.3  
145 14.1 16.9 50.7#





#95

Naphthalene

Concen: 0.218 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

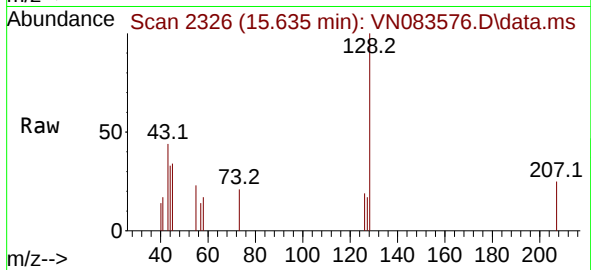
Lab File: VN083576.D

Acq: 30 Aug 2024 15:33

Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2302  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.7  | 10.2  | 15.2  |
| 129      | 7.0   | 8.7   | 13.1# |

