

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111723\  
 Data File : VN080175.D  
 Acq On : 17 Nov 2023 20:03  
 Operator : JC\MD  
 Sample : 05462-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-27

Quant Time: Nov 18 02:38:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 17 01:19:32 2023  
 Response via : Initial Calibration

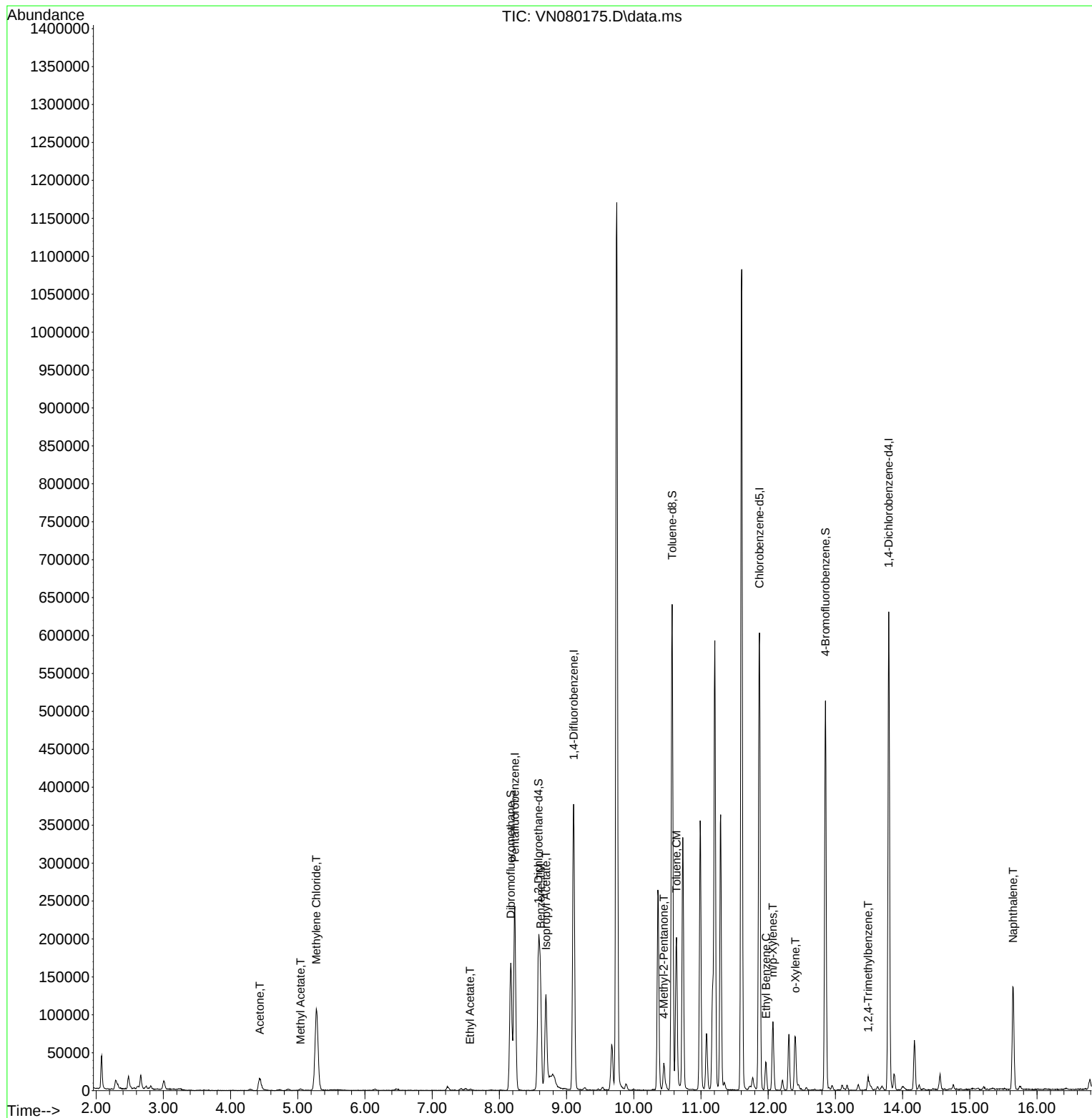
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.229  | 168   | 162609   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 315914   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.870 | 117   | 347550   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 162766   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 152528   | 56.809   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 113.620% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 117099   | 50.235   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 100.460% |          |
| 50) Toluene-d8              | 10.570 | 98    | 434647   | 51.726   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 103.460% |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 177890   | 56.048   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 112.100% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436  | 43    | 30944    | 34.313   | ug/l       | 92       |
| 18) Methyl Acetate          | 5.041  | 43    | 3680     | 1.270    | ug/l #     | 60       |
| 20) Methylene Chloride      | 5.277  | 84    | 90229    | 47.778   | ug/l       | 95       |
| 37) Ethyl Acetate           | 7.565  | 43    | 3096     | 1.323    | ug/l #     | 74       |
| 40) Benzene                 | 8.612  | 78    | 138119   | 14.400   | ug/l       | 100      |
| 43) Isopropyl Acetate       | 8.694  | 43    | 137348   | 30.151   | ug/l #     | 84       |
| 51) 4-Methyl-2-Pentanone    | 10.447 | 43    | 24690    | 10.469   | ug/l       | 90       |
| 52) Toluene                 | 10.635 | 92    | 88677    | 14.773   | ug/l       | 97       |
| 67) Ethyl Benzene           | 11.970 | 91    | 16543    | 1.181    | ug/l       | 91       |
| 68) m/p-Xylenes             | 12.070 | 106   | 26400    | 5.167    | ug/l       | 87       |
| 69) o-Xylene                | 12.406 | 106   | 18140    | 3.767    | ug/l       | 87       |
| 84) 1,2,4-Trimethylbenzene  | 13.488 | 105   | 11591    | 1.069    | ug/l       | 81       |
| 95) Naphthalene             | 15.647 | 128   | 125280   | 13.511   | ug/l       | 98       |
| -----                       |        |       |          |          |            |          |

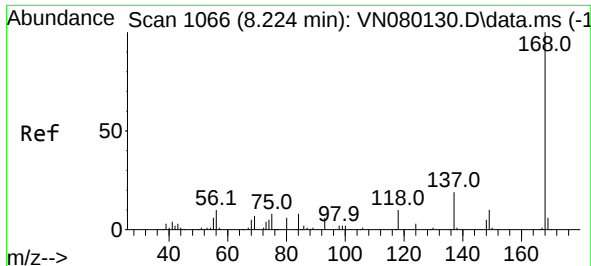
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111723\  
Data File : VN080175.D  
Acq On : 17 Nov 2023 20:03  
Operator : JC\MD  
Sample : 05462-07  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

Quant Time: Nov 18 02:38:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N111623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 17 01:19:32 2023  
Response via : Initial Calibration

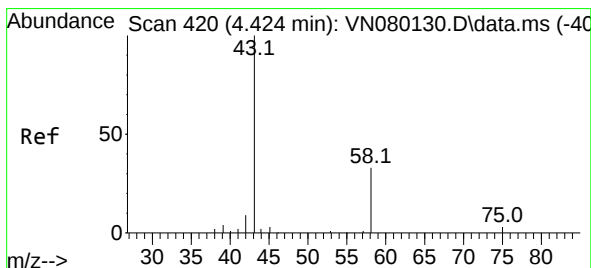
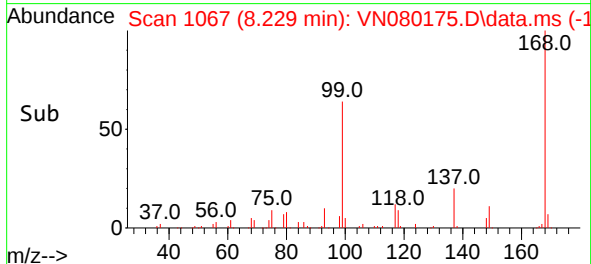
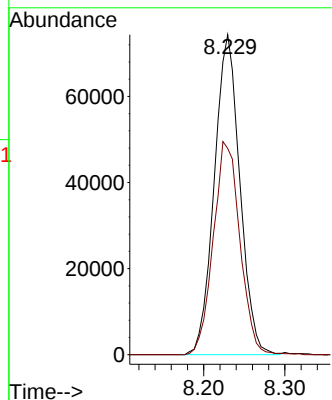
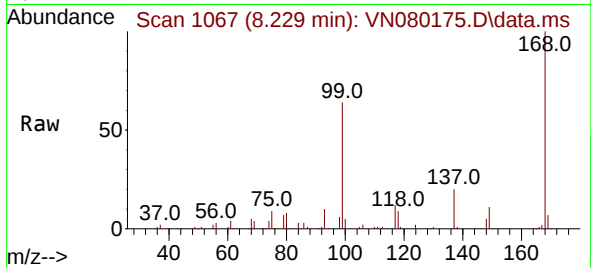




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1066  
Delta R.T. 0.005 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

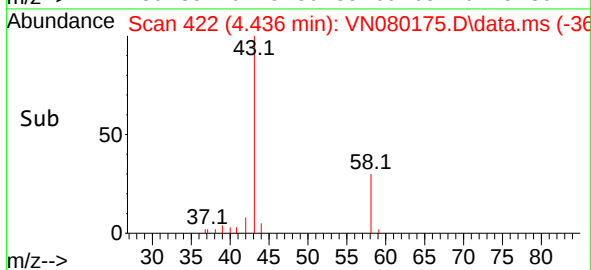
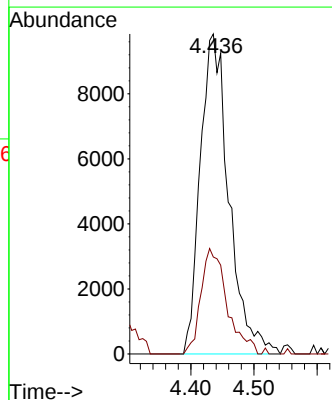
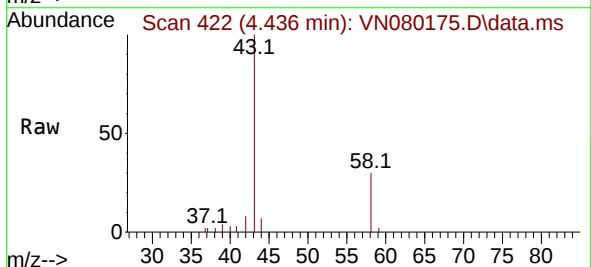
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

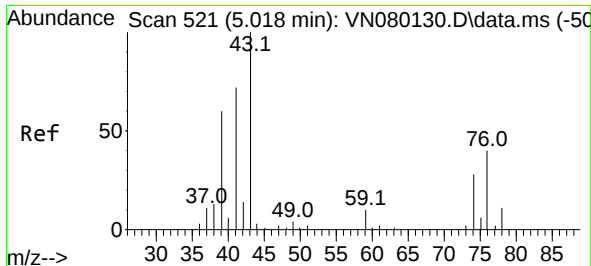
Tgt Ion:168 Resp: 162609  
Ion Ratio Lower Upper  
168 100  
99 64.4 53.0 79.6



#16  
Acetone  
Concen: 34.313 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Tgt Ion: 43 Resp: 30944  
Ion Ratio Lower Upper  
43 100  
58 30.3 28.0 42.0

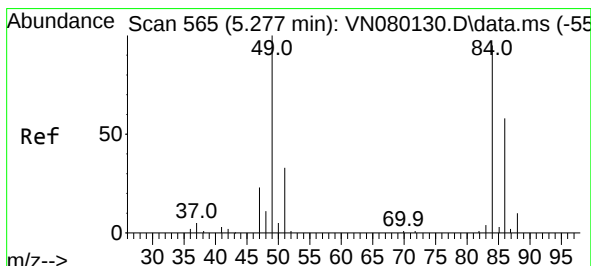
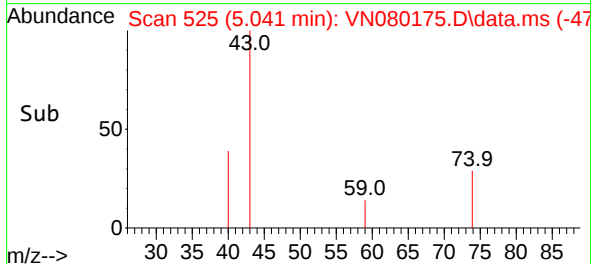
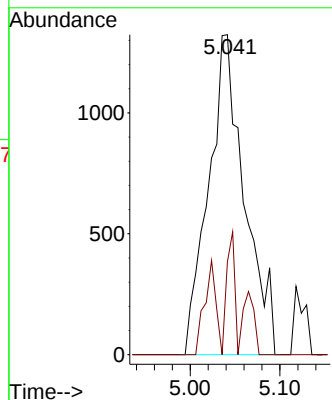
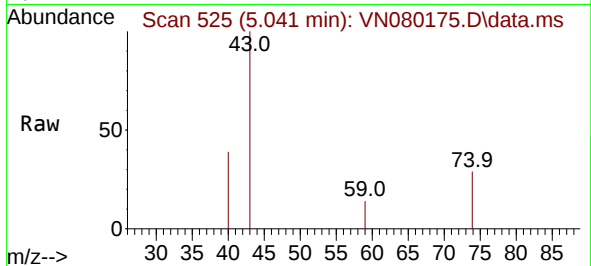




#18  
Methyl Acetate  
Concen: 1.270 ug/l  
RT: 5.041 min Scan# 51  
Delta R.T. 0.023 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

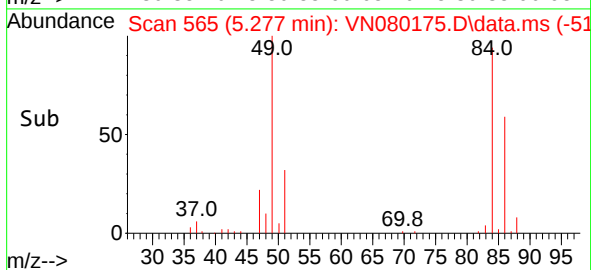
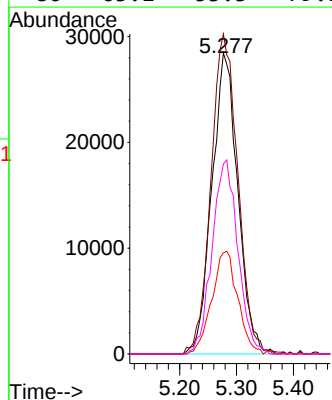
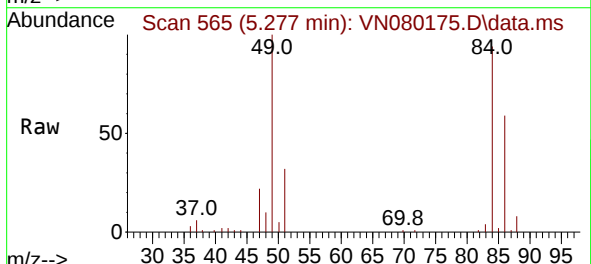
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

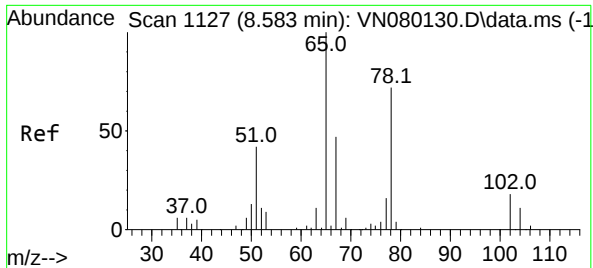
Tgt Ion: 43 Resp: 3680  
Ion Ratio Lower Upper  
43 100  
74 10.4 26.2 39.4#



#20  
Methylene Chloride  
Concen: 47.778 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.000 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Tgt Ion: 84 Resp: 90229  
Ion Ratio Lower Upper  
84 100  
49 106.3 79.7 119.5  
51 33.6 25.2 37.8  
86 63.1 53.3 79.9





#33

1,2-Dichloroethane-d4

Concen: 56.809 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080175.D

Acq: 17 Nov 2023 20:03

Instrument :

MSVOA\_N

ClientSampleId :

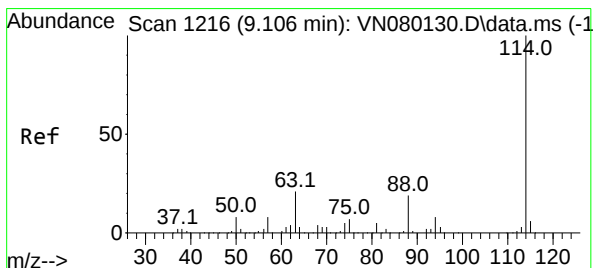
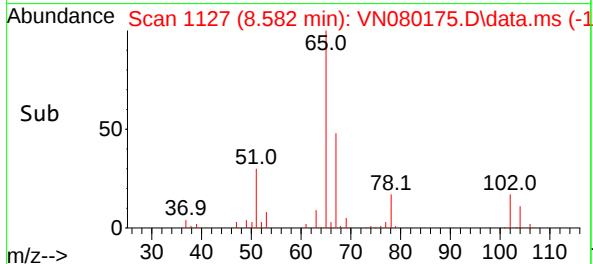
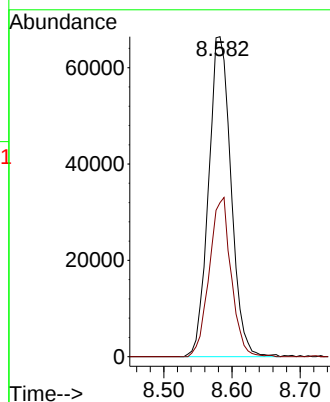
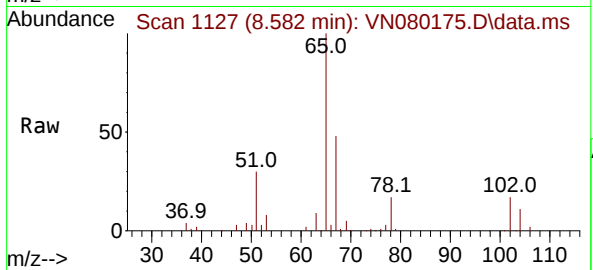
S-27

Tgt Ion: 65 Resp: 152528

Ion Ratio Lower Upper

65 100

67 48.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080175.D

Acq: 17 Nov 2023 20:03

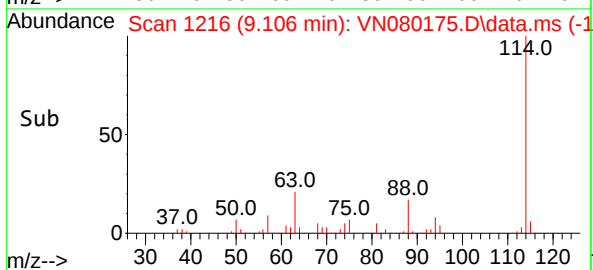
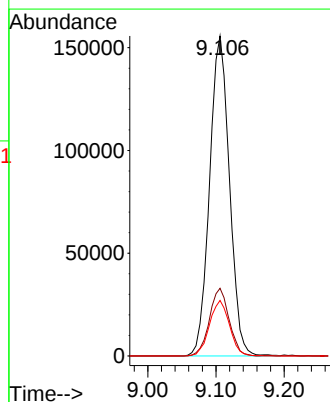
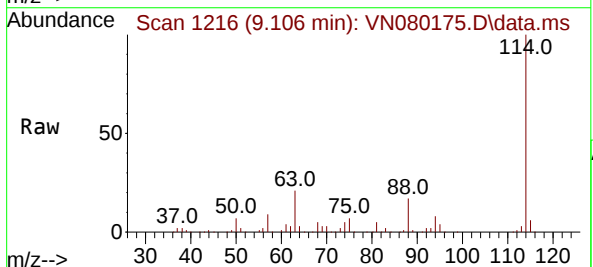
Tgt Ion: 114 Resp: 315914

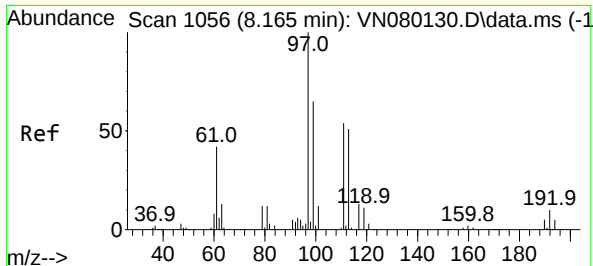
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 17.4 0.0 30.6

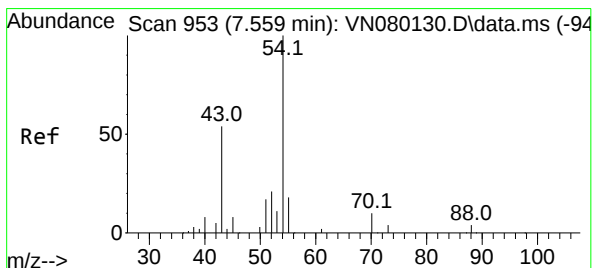
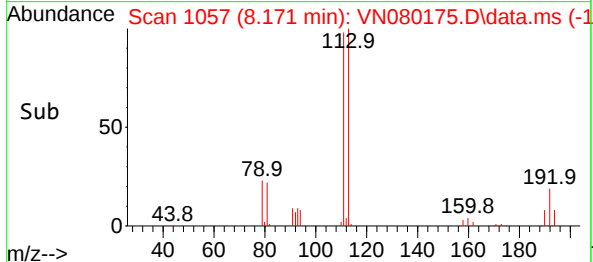
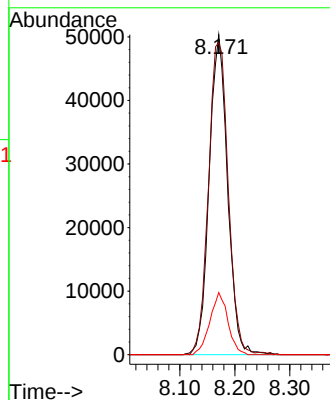
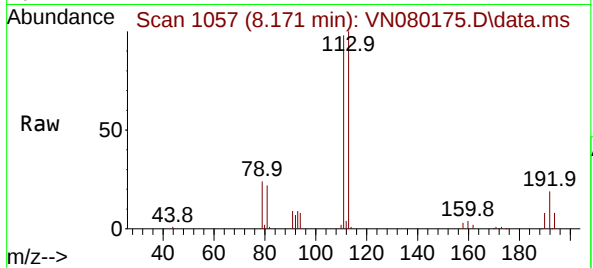




#35  
Dibromofluoromethane  
Concen: 50.235 ug/l  
RT: 8.171 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

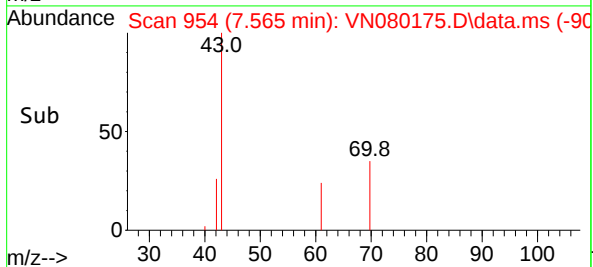
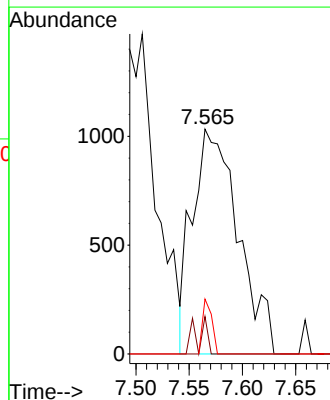
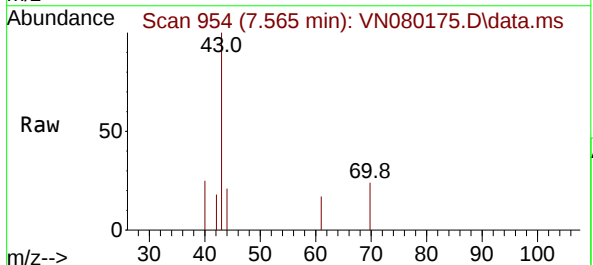
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

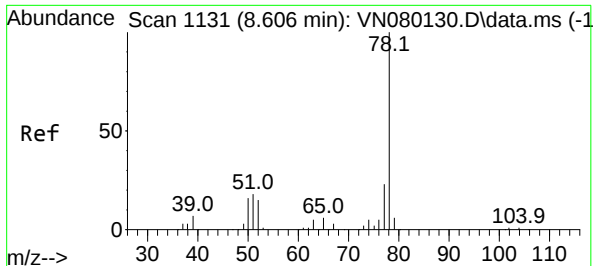
Tgt Ion:113 Resp: 117099  
Ion Ratio Lower Upper  
113 100  
111 104.4 82.6 123.8  
192 19.0 12.7 19.1



#37  
Ethyl Acetate  
Concen: 1.323 ug/l  
RT: 7.565 min Scan# 954  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Tgt Ion: 43 Resp: 3096  
Ion Ratio Lower Upper  
43 100  
61 3.8 13.2 19.8#  
70 5.0 11.3 16.9#

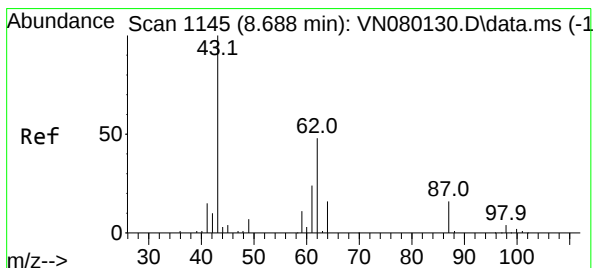
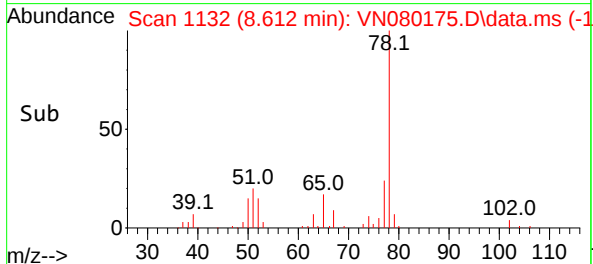
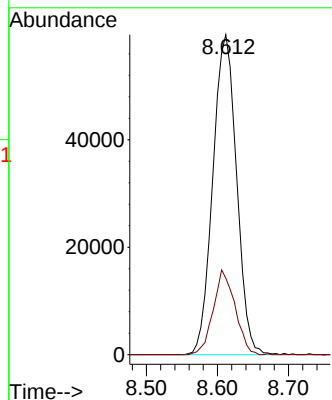
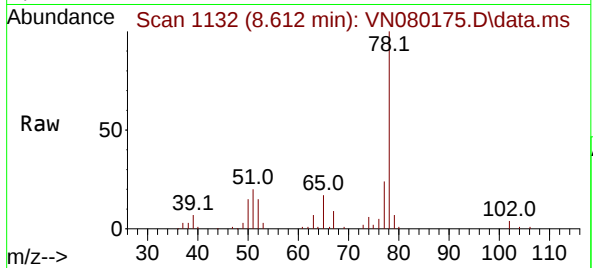




#40  
Benzene  
Concen: 14.400 ug/l  
RT: 8.612 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

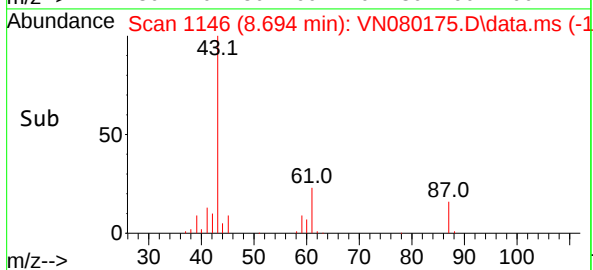
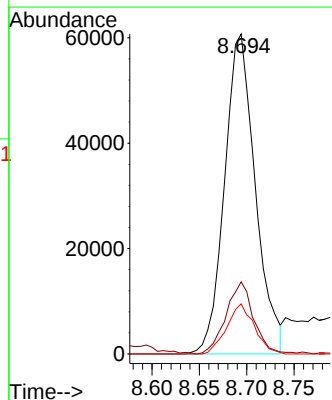
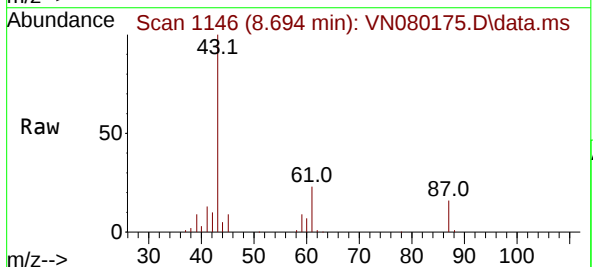
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

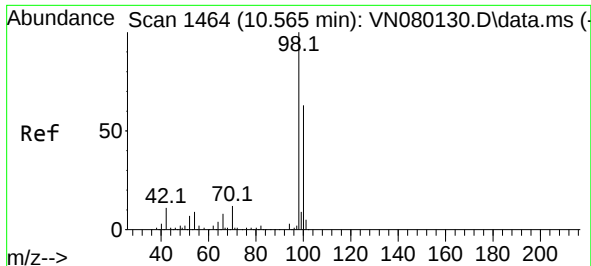
Tgt Ion: 78 Resp: 138119  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.0 28.6



#43  
Isopropyl Acetate  
Concen: 30.151 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Tgt Ion: 43 Resp: 137348  
Ion Ratio Lower Upper  
43 100  
61 20.3 24.7 37.1#  
87 14.0 14.6 21.8#

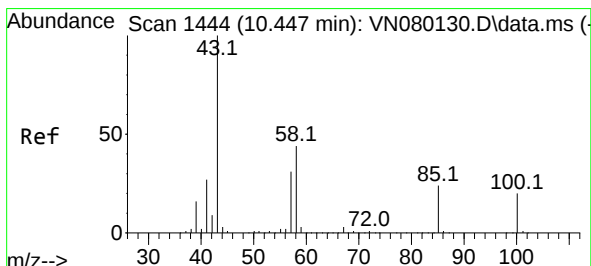
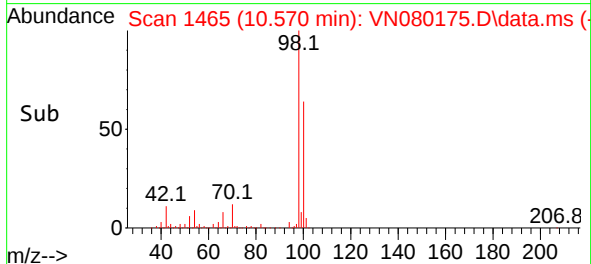
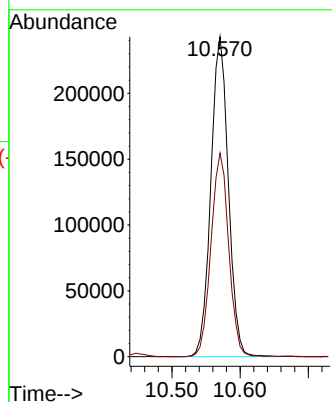
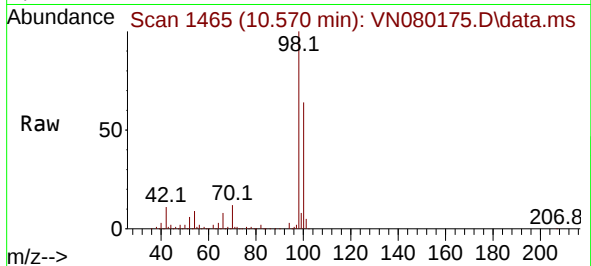




#50  
Toluene-d8  
Concen: 51.726 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

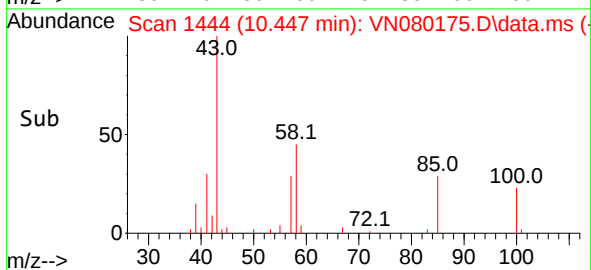
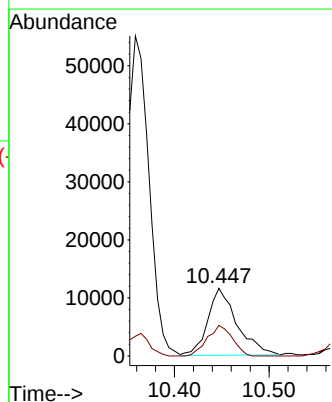
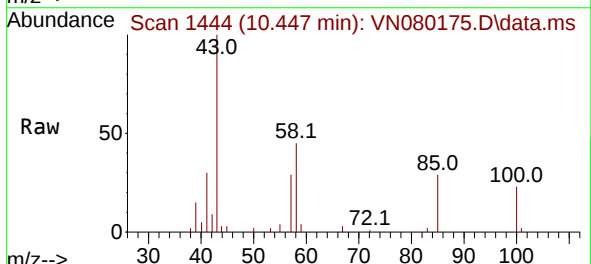
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

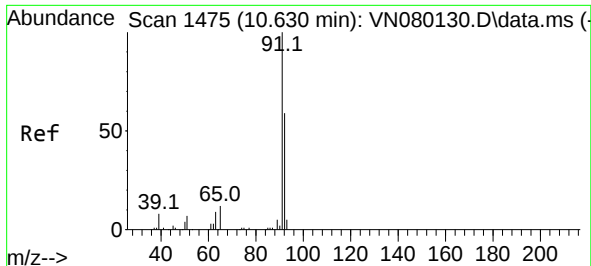
Tgt Ion: 98 Resp: 434647  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 10.469 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Tgt Ion: 43 Resp: 24690  
Ion Ratio Lower Upper  
43 100  
58 39.3 36.6 54.8

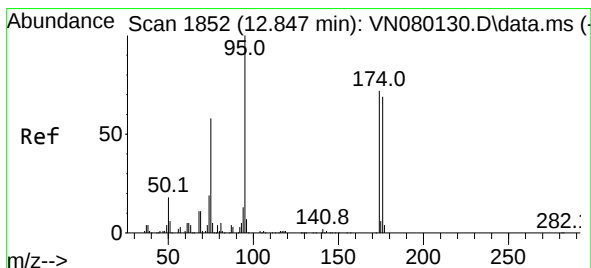
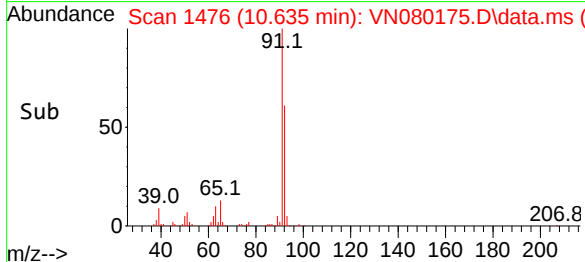
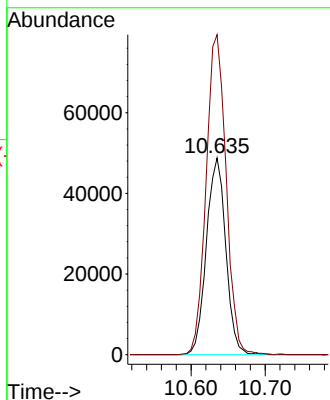
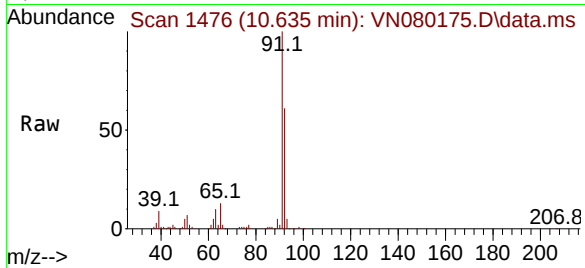




#52  
Toluene  
Concen: 14.773 ug/l  
RT: 10.635 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

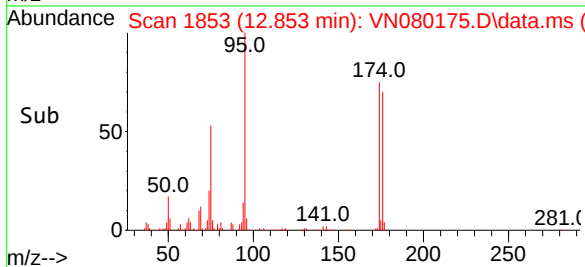
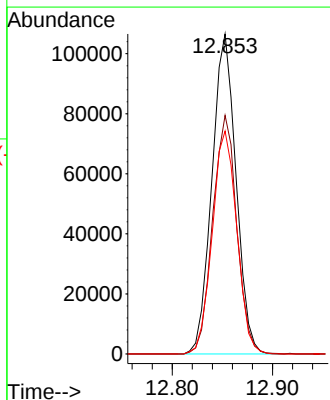
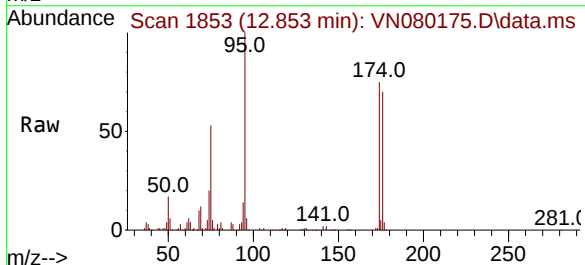
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

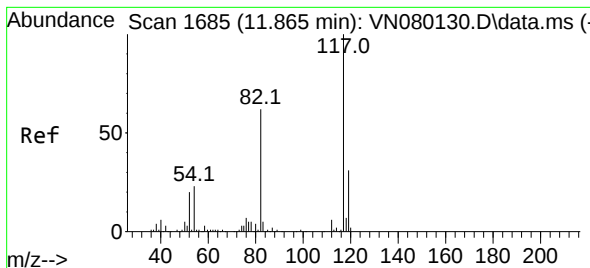
Tgt Ion: 92 Resp: 88677  
Ion Ratio Lower Upper  
92 100  
91 167.5 137.4 206.0



#62  
4-Bromofluorobenzene  
Concen: 56.048 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Tgt Ion: 95 Resp: 177890  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 143.8  
176 70.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080175.D

Acq: 17 Nov 2023 20:03

Instrument :

MSVOA\_N

ClientSampleId :

S-27

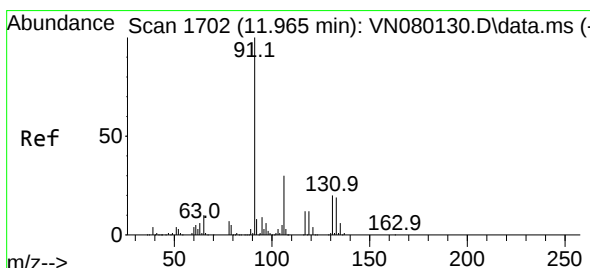
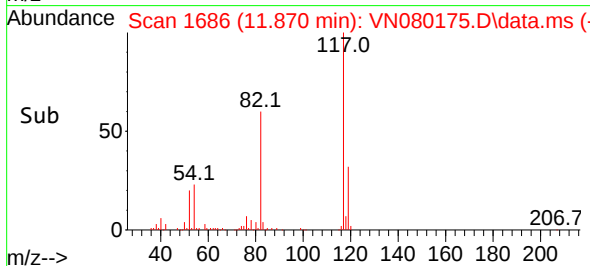
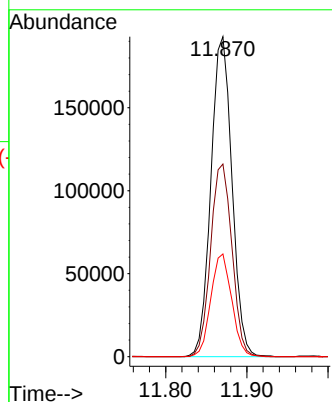
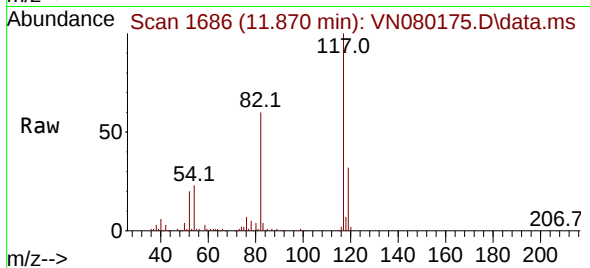
Tgt Ion:117 Resp: 347550

Ion Ratio Lower Upper

117 100

82 60.2 44.0 66.0

119 32.1 25.6 38.4



#67

Ethyl Benzene

Concen: 1.181 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VN080175.D

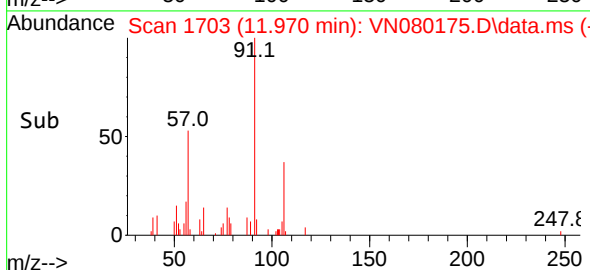
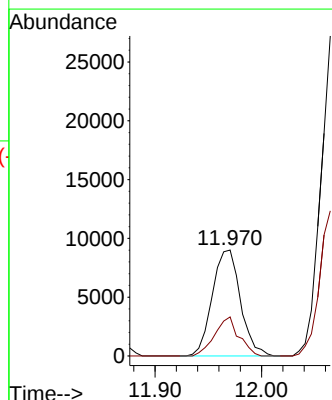
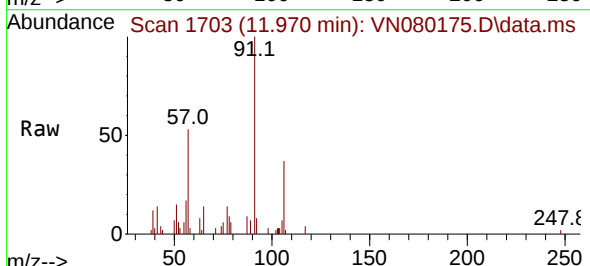
Acq: 17 Nov 2023 20:03

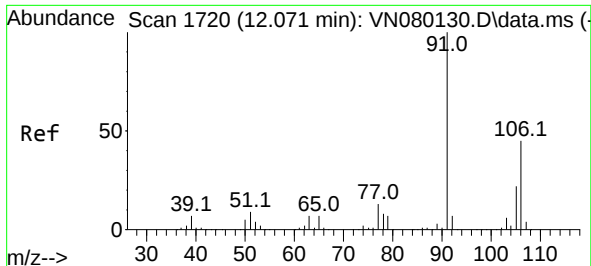
Tgt Ion: 91 Resp: 16543

Ion Ratio Lower Upper

91 100

106 36.8 25.6 38.4

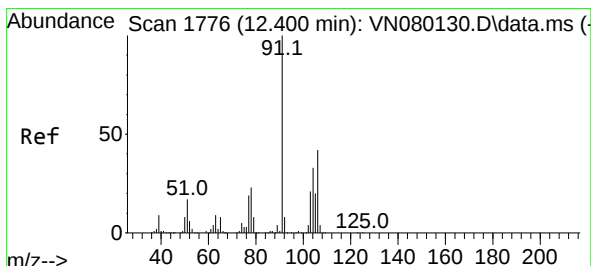
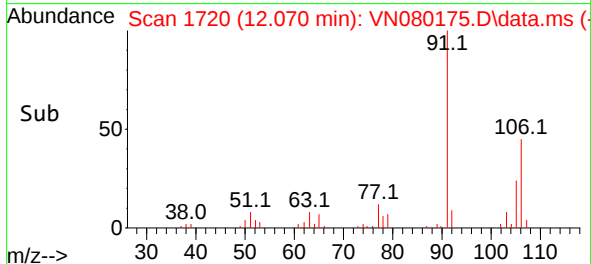
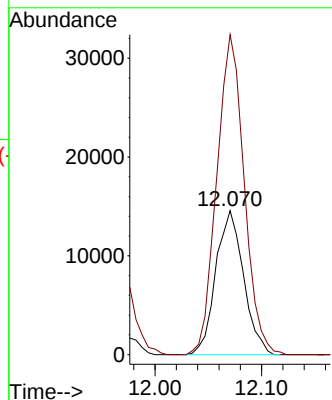
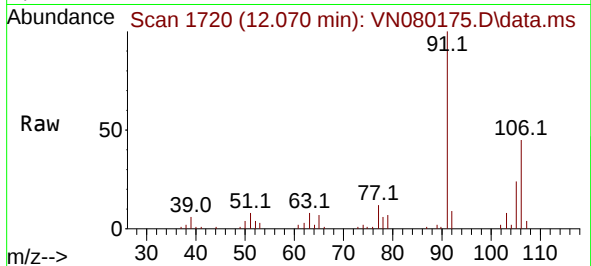




#68  
m/p-Xylenes  
Concen: 5.167 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. -0.000 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

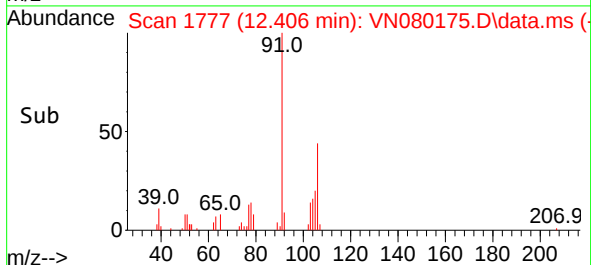
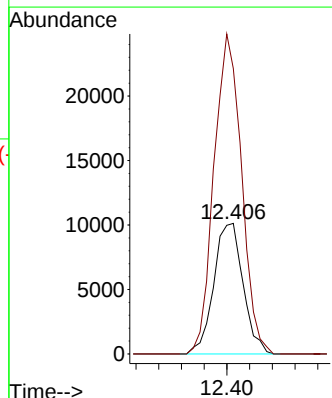
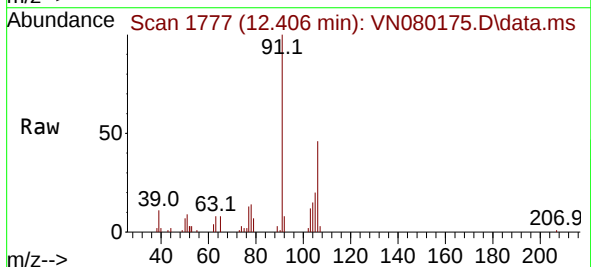
Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

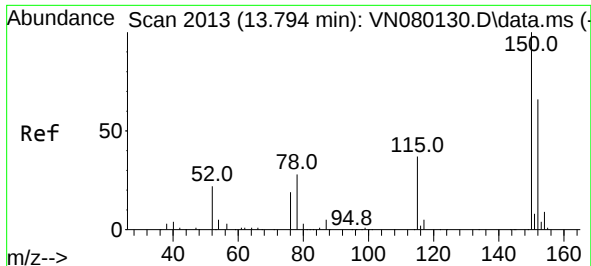
Tgt Ion:106 Resp: 26400  
Ion Ratio Lower Upper  
106 100  
91 219.1 159.6 239.4



#69  
o-Xylene  
Concen: 3.767 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Tgt Ion:106 Resp: 18140  
Ion Ratio Lower Upper  
106 100  
91 230.7 105.2 315.5

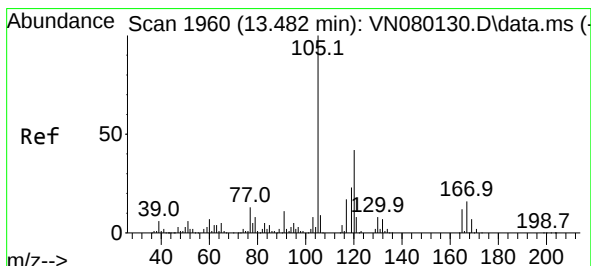
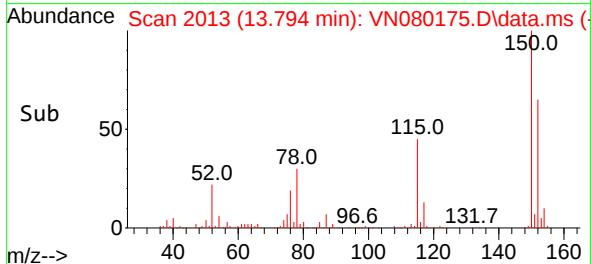
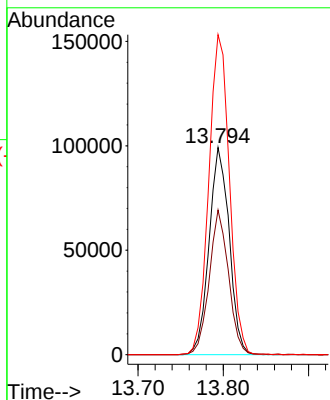
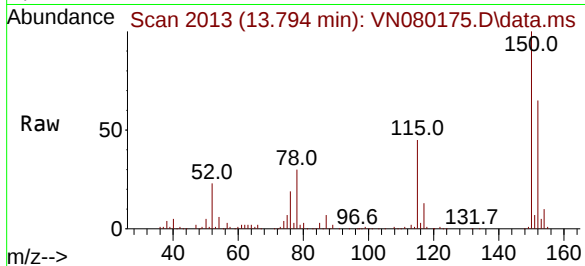




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN080175.D  
 Acq: 17 Nov 2023 20:03

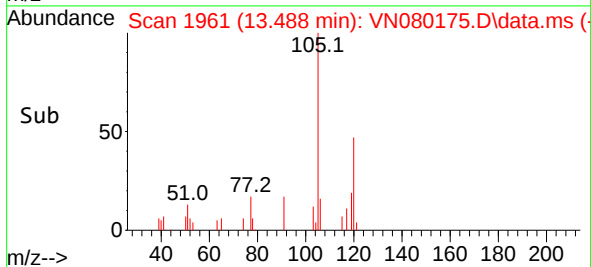
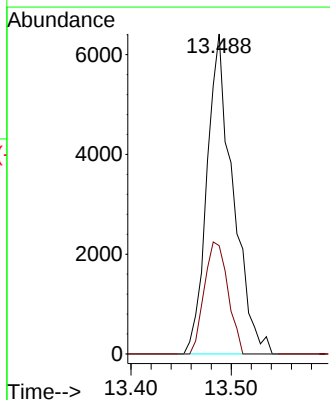
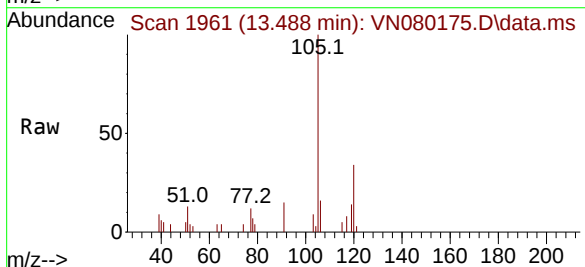
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S-27

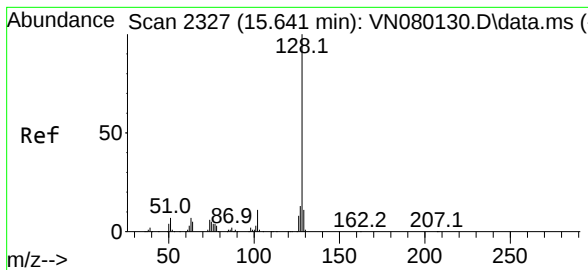
Tgt Ion:152 Resp: 162766  
 Ion Ratio Lower Upper  
 152 100  
 115 67.0 32.3 96.8  
 150 158.1 0.0 355.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.069 ug/l  
 RT: 13.488 min Scan# 1961  
 Delta R.T. 0.006 min  
 Lab File: VN080175.D  
 Acq: 17 Nov 2023 20:03

Tgt Ion:105 Resp: 11591  
 Ion Ratio Lower Upper  
 105 100  
 120 31.7 22.0 66.0





#95  
Naphthalene  
Concen: 13.511 ug/l  
RT: 15.647 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN080175.D  
Acq: 17 Nov 2023 20:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
S-27

Tgt Ion:128 Resp: 125280  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.0 15.0  
129 10.2 8.7 13.1

