

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110623\  
 Data File : VN079951.D  
 Acq On : 07 Nov 2023 07:17  
 Operator : JC\MD  
 Sample : 05230-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 60108

Quant Time: Nov 07 08:31:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

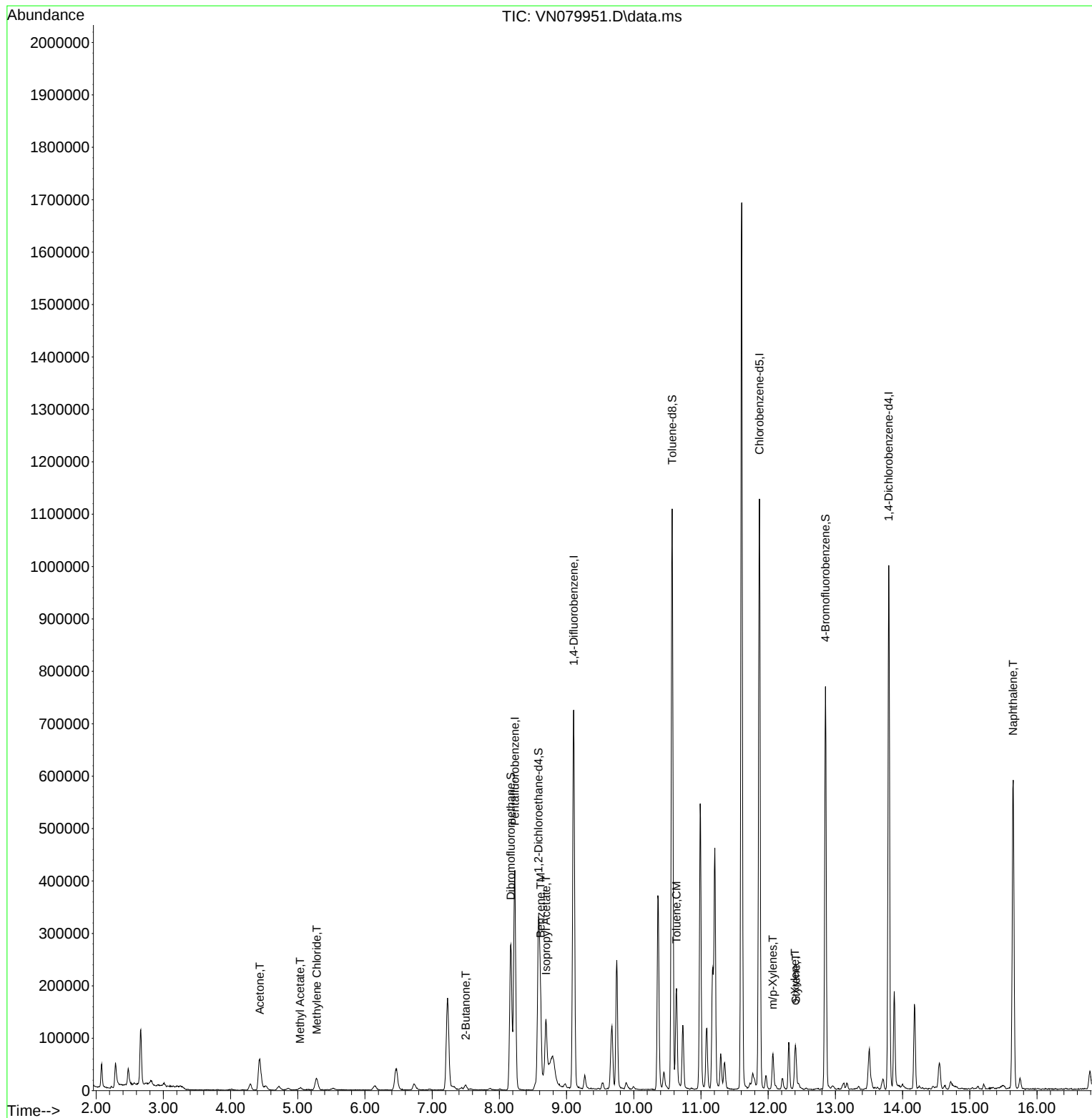
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 289176   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 598071   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 635231   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 253984   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 243790   | 55.335   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 110.680% |          |
| 35) Dibromofluoromethane    | 8.171  | 113   | 199075   | 47.030   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 94.060%  |          |
| 50) Toluene-d8              | 10.571 | 98    | 739881   | 47.480   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 94.960%  |          |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 258481   | 50.015   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 100.040% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.436  | 43    | 113983   | 73.654   | ug/l       | 92       |
| 18) Methyl Acetate          | 5.036  | 43    | 9404     | 1.270    | ug/l #     | 83       |
| 20) Methylene Chloride      | 5.283  | 84    | 16316    | 4.178    | ug/l #     | 82       |
| 25) 2-Butanone              | 7.500  | 43    | 15699    | 6.928    | ug/l #     | 77       |
| 40) Benzene                 | 8.612  | 78    | 163563   | 9.035    | ug/l       | 99       |
| 43) Isopropyl Acetate       | 8.694  | 43    | 168619   | 17.346   | ug/l #     | 72       |
| 52) Toluene                 | 10.635 | 92    | 81946    | 7.636    | ug/l       | 98       |
| 68) m/p-Xylenes             | 12.071 | 106   | 19910    | 2.226    | ug/l       | 88       |
| 69) o-Xylene                | 12.400 | 106   | 16534    | 1.920    | ug/l       | 95       |
| 70) Styrene                 | 12.412 | 104   | 17479    | 1.263    | ug/l       | 91       |
| 95) Naphthalene             | 15.647 | 128   | 528206   | 39.526   | ug/l       | 99       |
| -----                       |        |       |          |          |            |          |

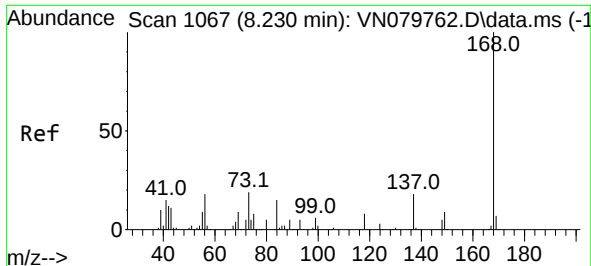
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110623\  
Data File : VN079951.D  
Acq On : 07 Nov 2023 07:17  
Operator : JC\MD  
Sample : 05230-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

Quant Time: Nov 07 08:31:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:49:08 2023  
Response via : Initial Calibration

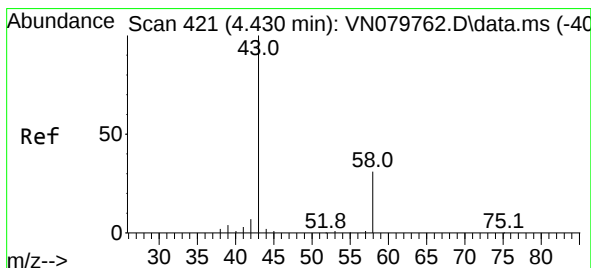
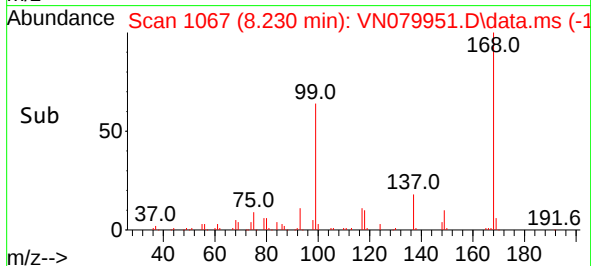
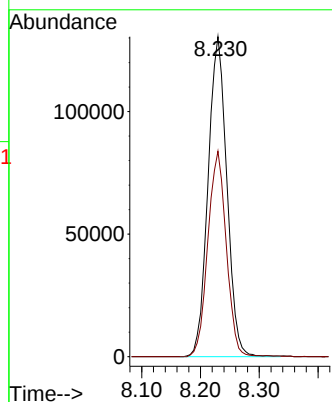
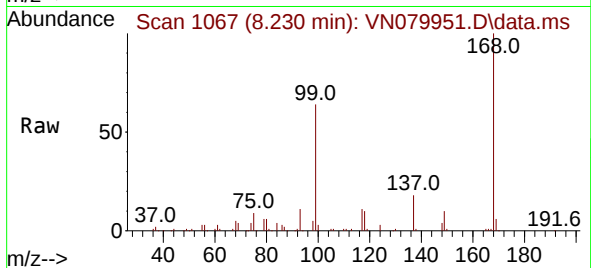




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

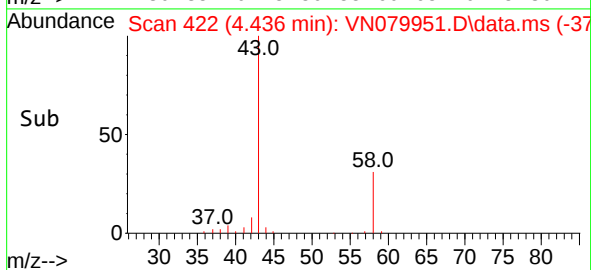
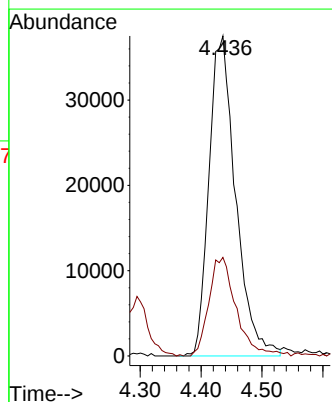
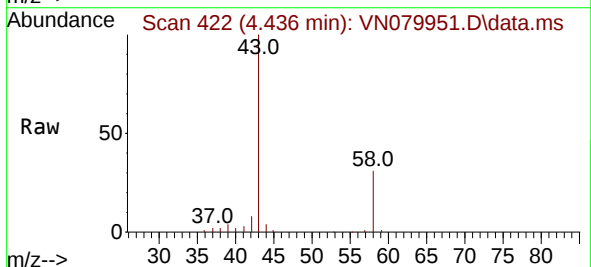
Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

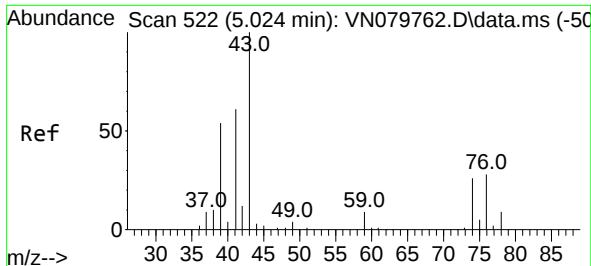
Tgt Ion:168 Resp: 289176  
Ion Ratio Lower Upper  
168 100  
99 64.2 53.0 79.6



#16  
Acetone  
Concen: 73.654 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

Tgt Ion: 43 Resp: 113983  
Ion Ratio Lower Upper  
43 100  
58 30.4 28.0 42.0

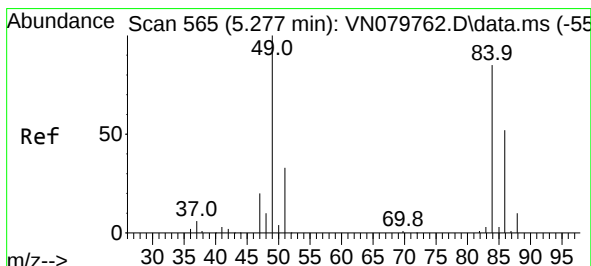
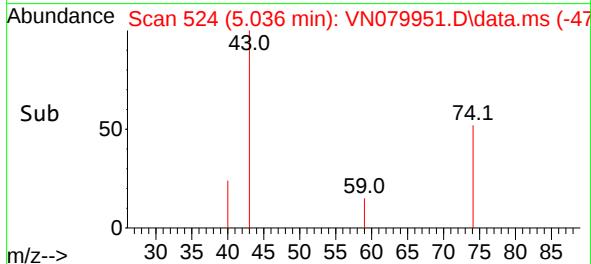
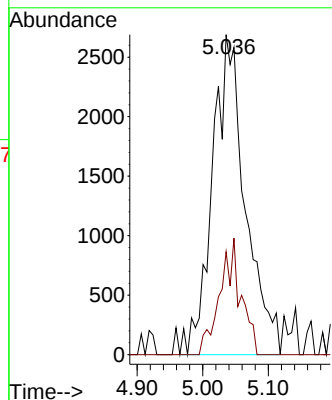
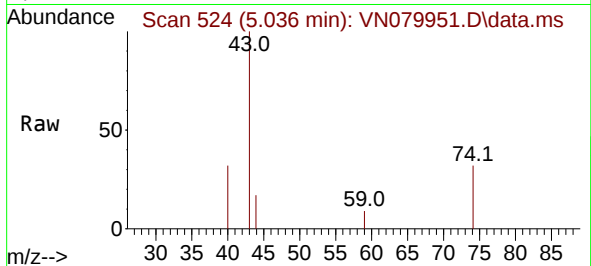




#18  
Methyl Acetate  
Concen: 1.270 ug/l  
RT: 5.036 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

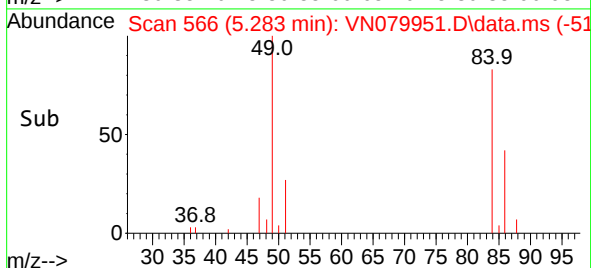
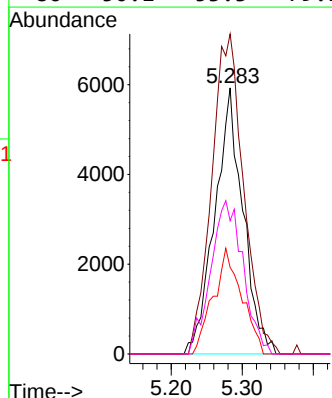
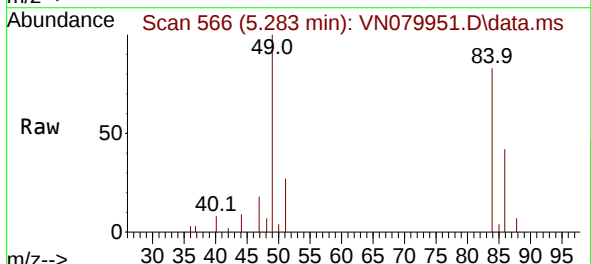
Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

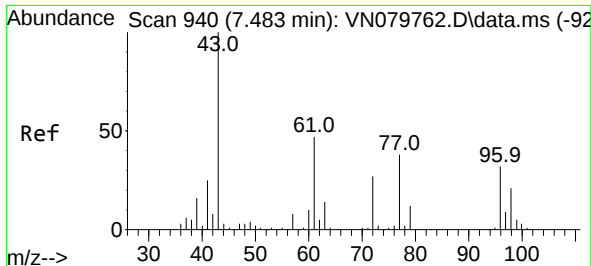
Tgt Ion: 43 Resp: 9404  
Ion Ratio Lower Upper  
43 100  
74 23.0 26.2 39.4#



#20  
Methylene Chloride  
Concen: 4.178 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

Tgt Ion: 84 Resp: 16316  
Ion Ratio Lower Upper  
84 100  
49 120.3 79.7 119.5#  
51 32.5 25.2 37.8  
86 50.1 53.3 79.9#

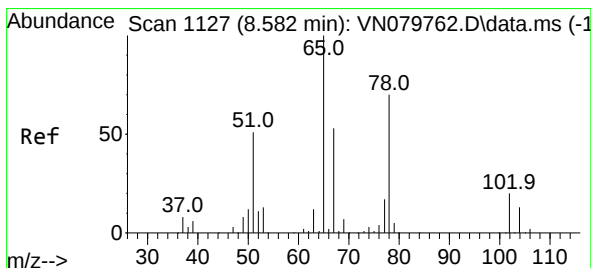
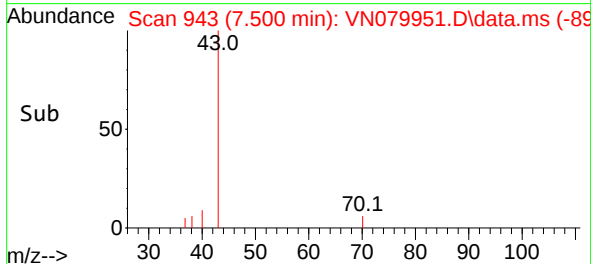
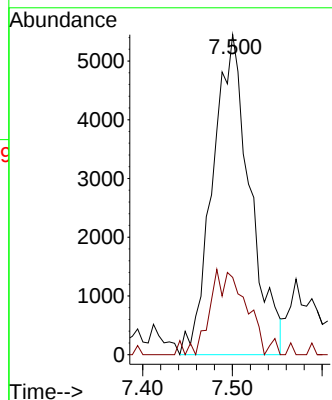
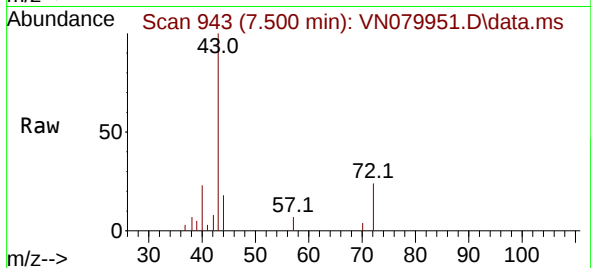




#25  
2-Butanone  
Concen: 6.928 ug/l  
RT: 7.500 min Scan# 940  
Delta R.T. 0.012 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

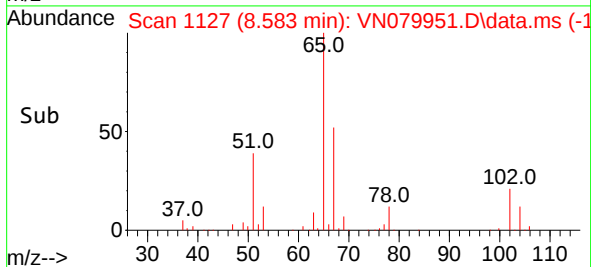
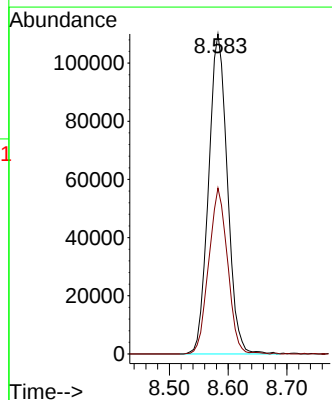
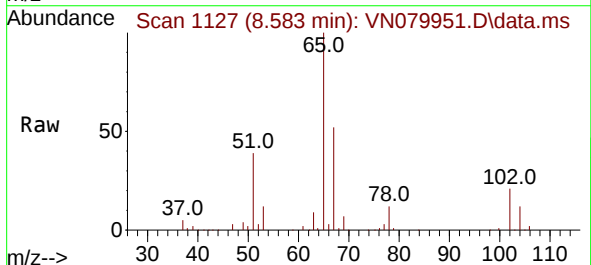
Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

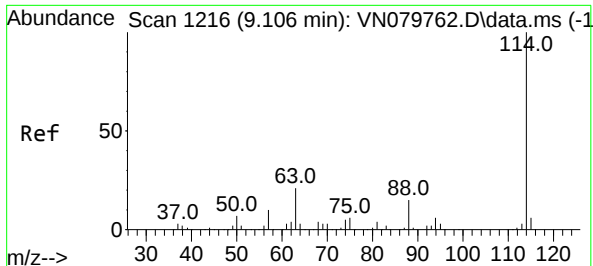
Tgt Ion: 43 Resp: 15699  
Ion Ratio Lower Upper  
43 100  
72 24.2 30.2 45.2#



#33  
1,2-Dichloroethane-d4  
Concen: 55.335 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

Tgt Ion: 65 Resp: 243790  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 106.6

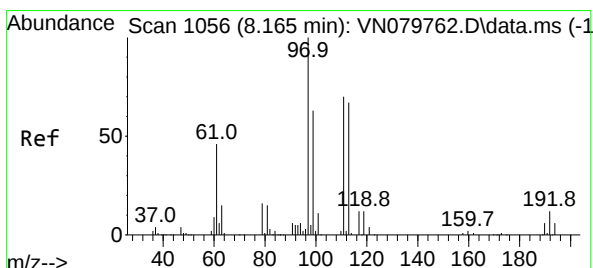
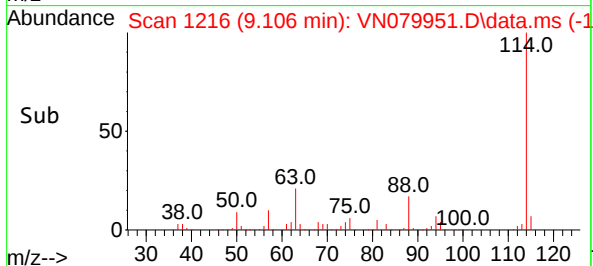
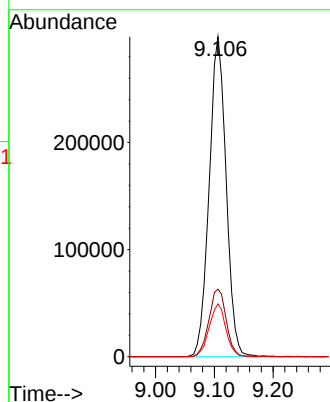
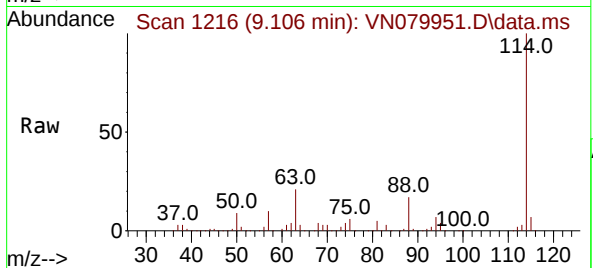




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

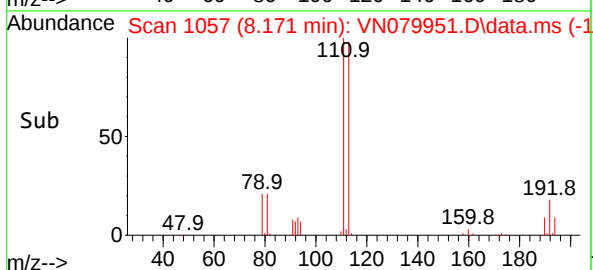
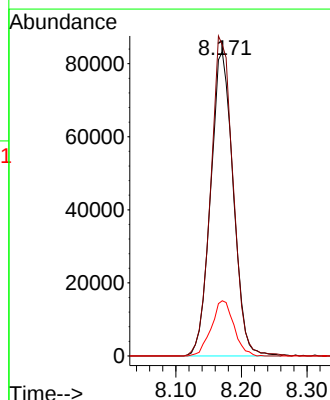
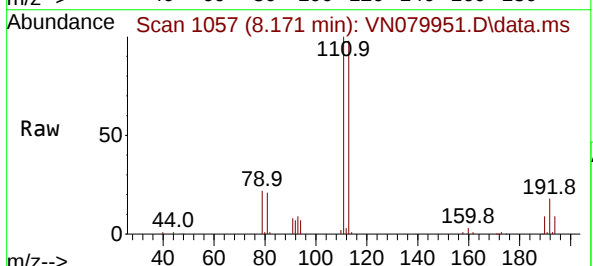
Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

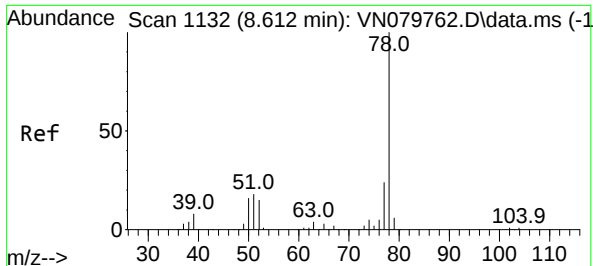
Tgt Ion:114 Resp: 598071  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 36.4  
88 16.5 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 47.030 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

Tgt Ion:113 Resp: 199075  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.6 123.8  
192 18.1 12.7 19.1

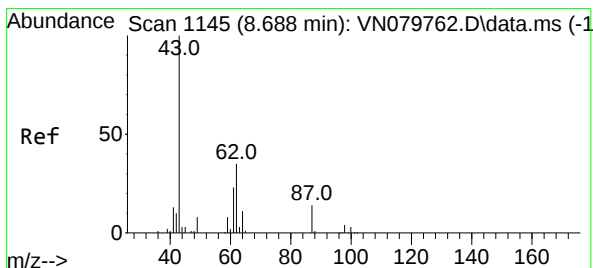
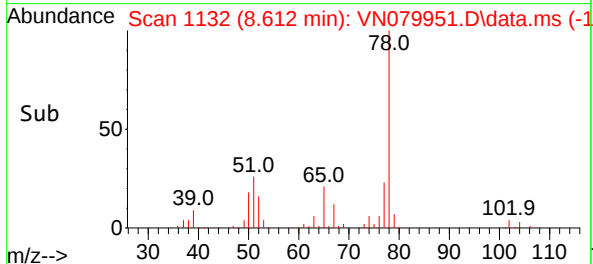
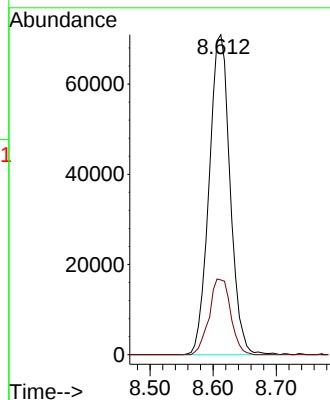
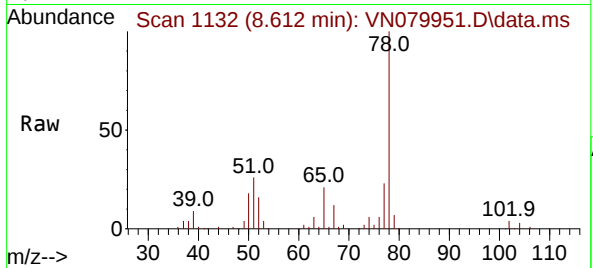




#40  
Benzene  
Concen: 9.035 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

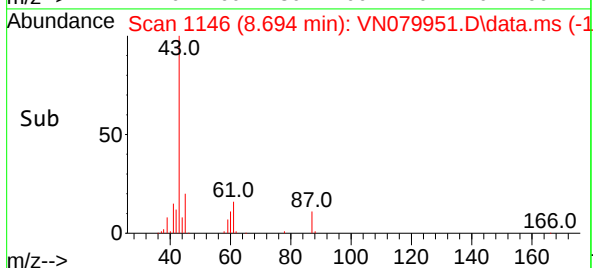
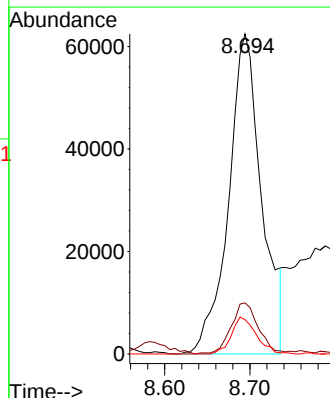
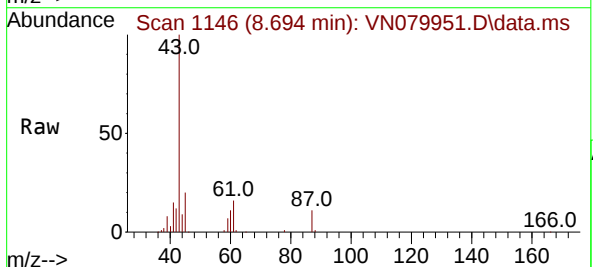
Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

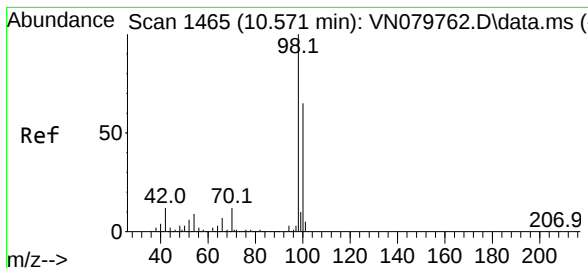
Tgt Ion: 78 Resp: 163563  
Ion Ratio Lower Upper  
78 100  
77 23.3 19.0 28.6



#43  
Isopropyl Acetate  
Concen: 17.346 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

Tgt Ion: 43 Resp: 168619  
Ion Ratio Lower Upper  
43 100  
61 13.2 24.7 37.1#  
87 8.7 14.6 21.8#

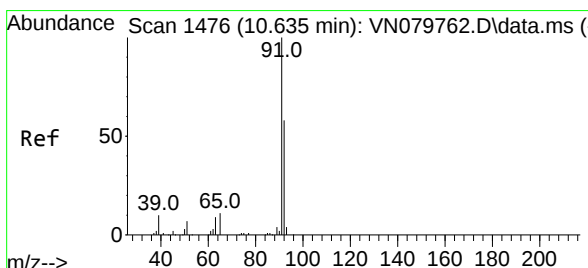
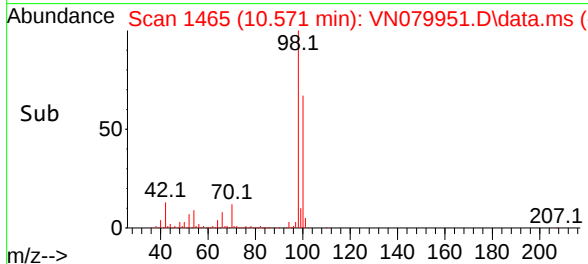
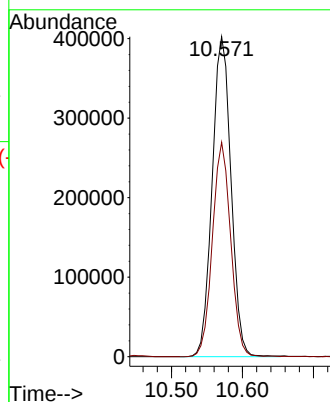
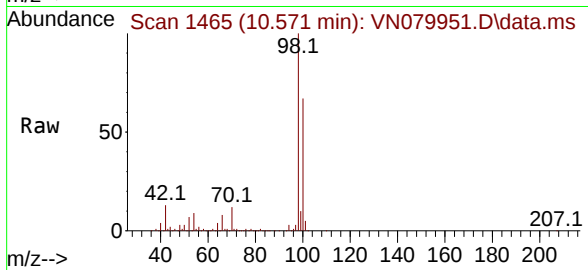




#50  
Toluene-d8  
Concen: 47.480 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

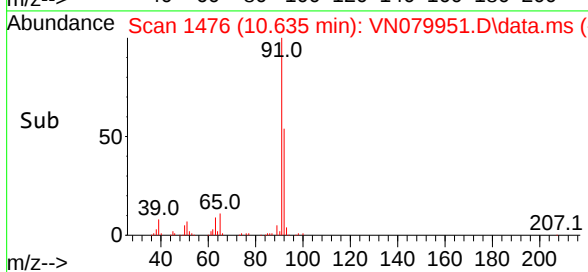
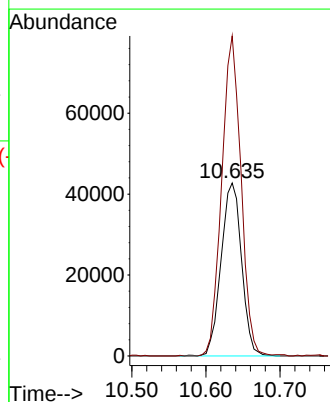
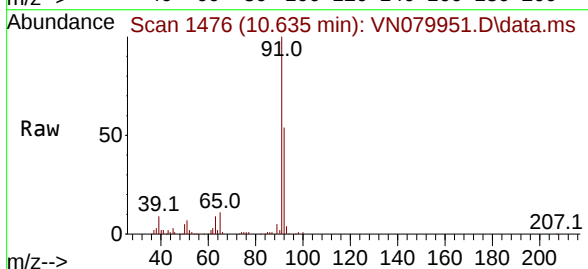
Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

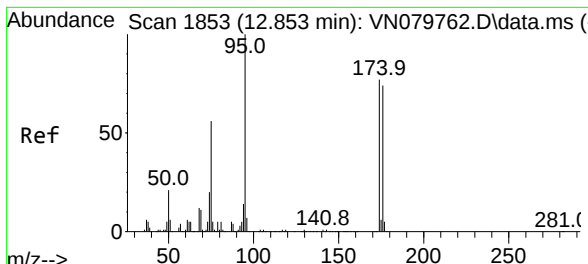
Tgt Ion: 98 Resp: 739881  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0



#52  
Toluene  
Concen: 7.636 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

Tgt Ion: 92 Resp: 81946  
Ion Ratio Lower Upper  
92 100  
91 174.9 137.4 206.0

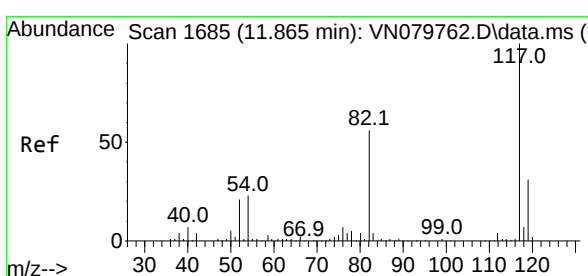
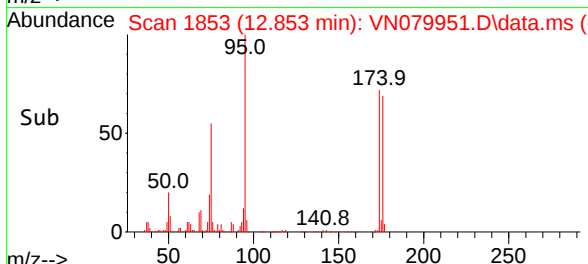
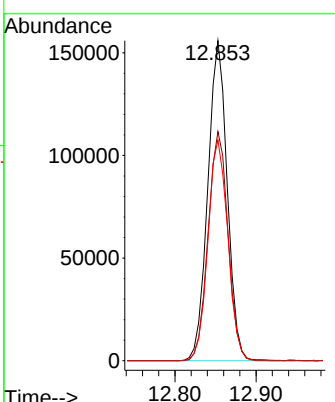
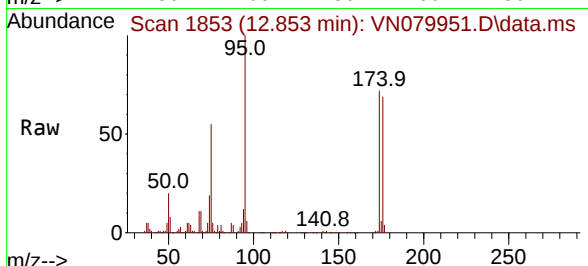




#62  
 4-Bromofluorobenzene  
 Concen: 50.015 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: VN079951.D  
 Acq: 07 Nov 2023 07:17

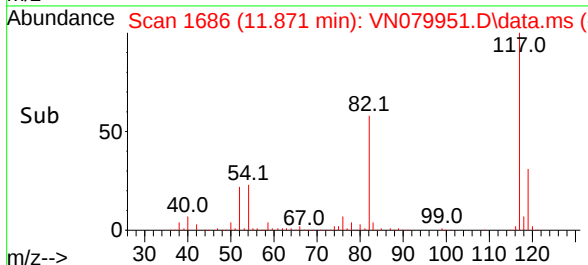
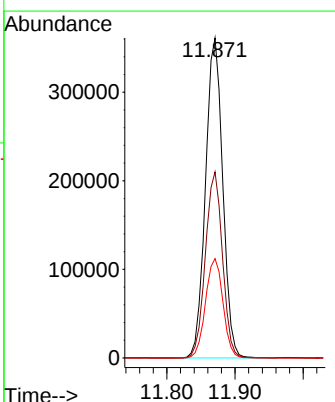
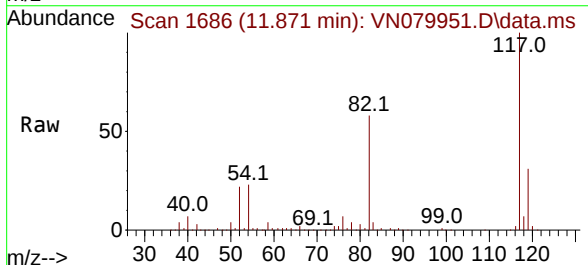
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 60108

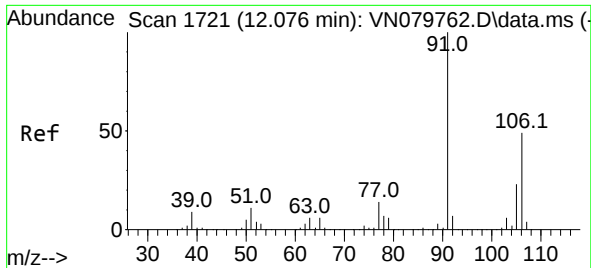
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 258481 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 73.8  | 0.0   | 143.8  |
| 176      | 70.4  | 0.0   | 135.8  |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.871 min Scan# 1686  
 Delta R.T. 0.000 min  
 Lab File: VN079951.D  
 Acq: 07 Nov 2023 07:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 635231 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.1  | 44.0  | 66.0   |
| 119      | 31.1  | 25.6  | 38.4   |

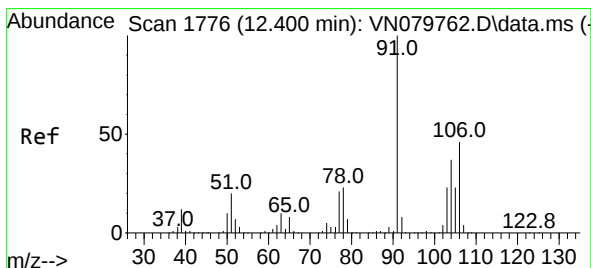
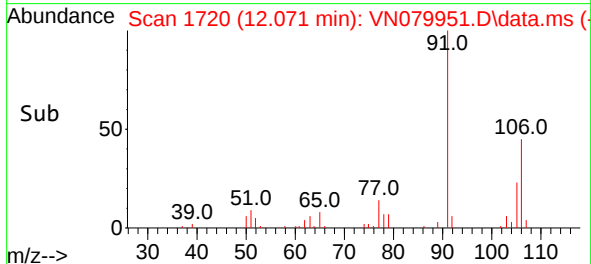
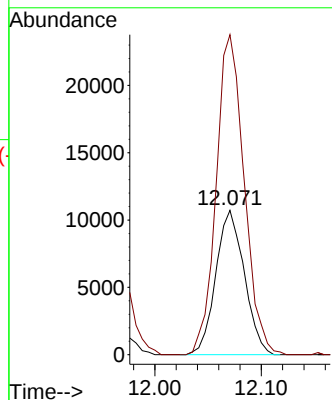
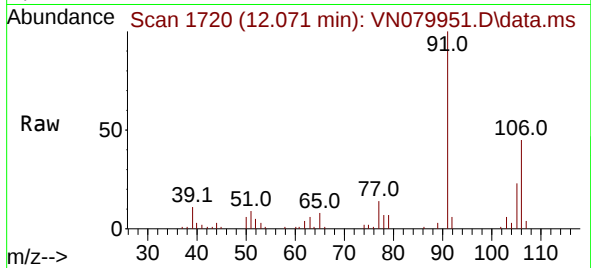




#68  
m/p-Xylenes  
Concen: 2.226 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

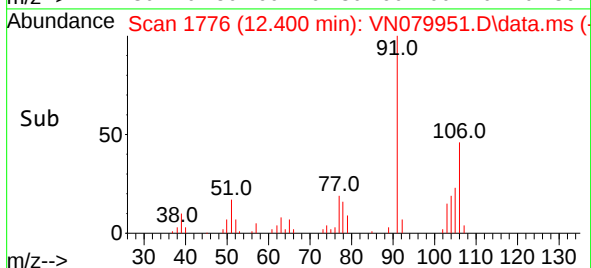
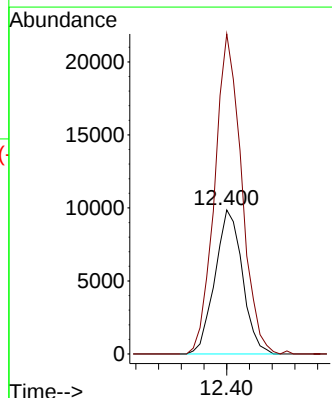
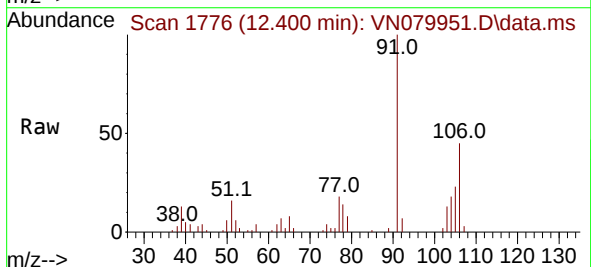
Instrument :  
MSVOA\_N  
ClientSampleId :  
60108

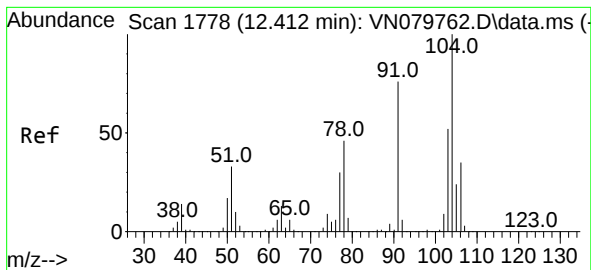
Tgt Ion:106 Resp: 19910  
Ion Ratio Lower Upper  
106 100  
91 218.0 159.6 239.4



#69  
o-Xylene  
Concen: 1.920 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN079951.D  
Acq: 07 Nov 2023 07:17

Tgt Ion:106 Resp: 16534  
Ion Ratio Lower Upper  
106 100  
91 217.8 105.2 315.5





#70

Styrene

Concen: 1.263 ug/l

RT: 12.412 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079951.D

Acq: 07 Nov 2023 07:17

Instrument :

MSVOA\_N

ClientSampleId :

60108

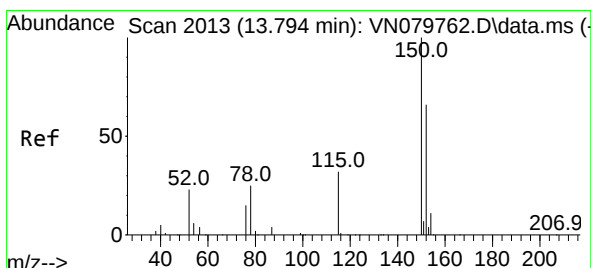
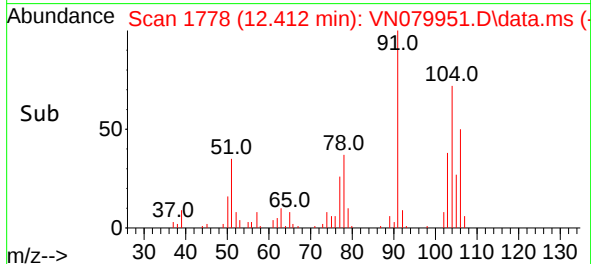
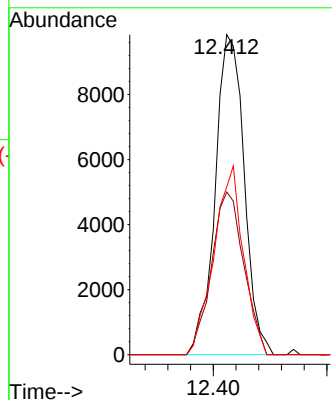
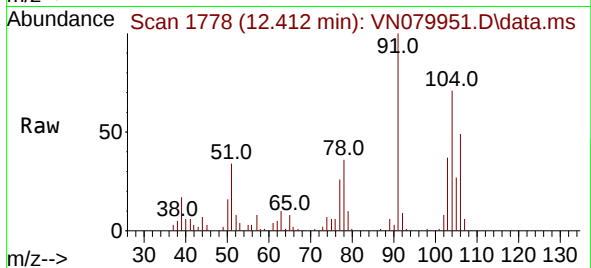
Tgt Ion:104 Resp: 17479

Ion Ratio Lower Upper

104 100

78 56.6 39.5 59.3

103 59.9 43.2 64.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079951.D

Acq: 07 Nov 2023 07:17

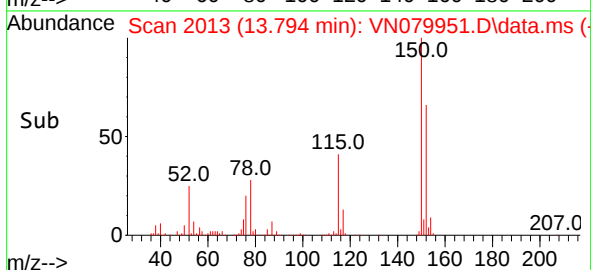
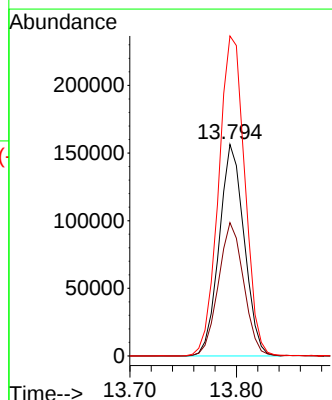
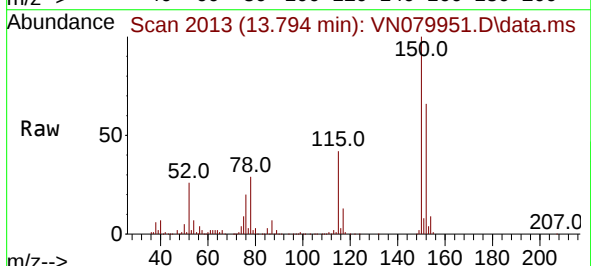
Tgt Ion:152 Resp: 253984

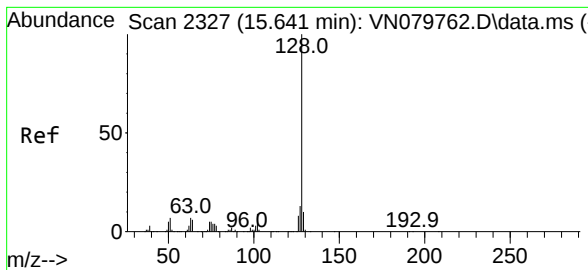
Ion Ratio Lower Upper

152 100

115 63.9 32.3 96.8

150 159.1 0.0 355.8





#95  
 Naphthalene  
 Concen: 39.526 ug/l  
 RT: 15.647 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN079951.D  
 Acq: 07 Nov 2023 07:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 60108

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 528206 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.2  | 10.0  | 15.0   |
| 129      | 10.9  | 8.7   | 13.1   |

