

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110723\  
 Data File : VN079969.D  
 Acq On : 07 Nov 2023 16:58  
 Operator : JC\MD  
 Sample : 05107-25DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1049DL

Quant Time: Nov 08 04:31:02 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

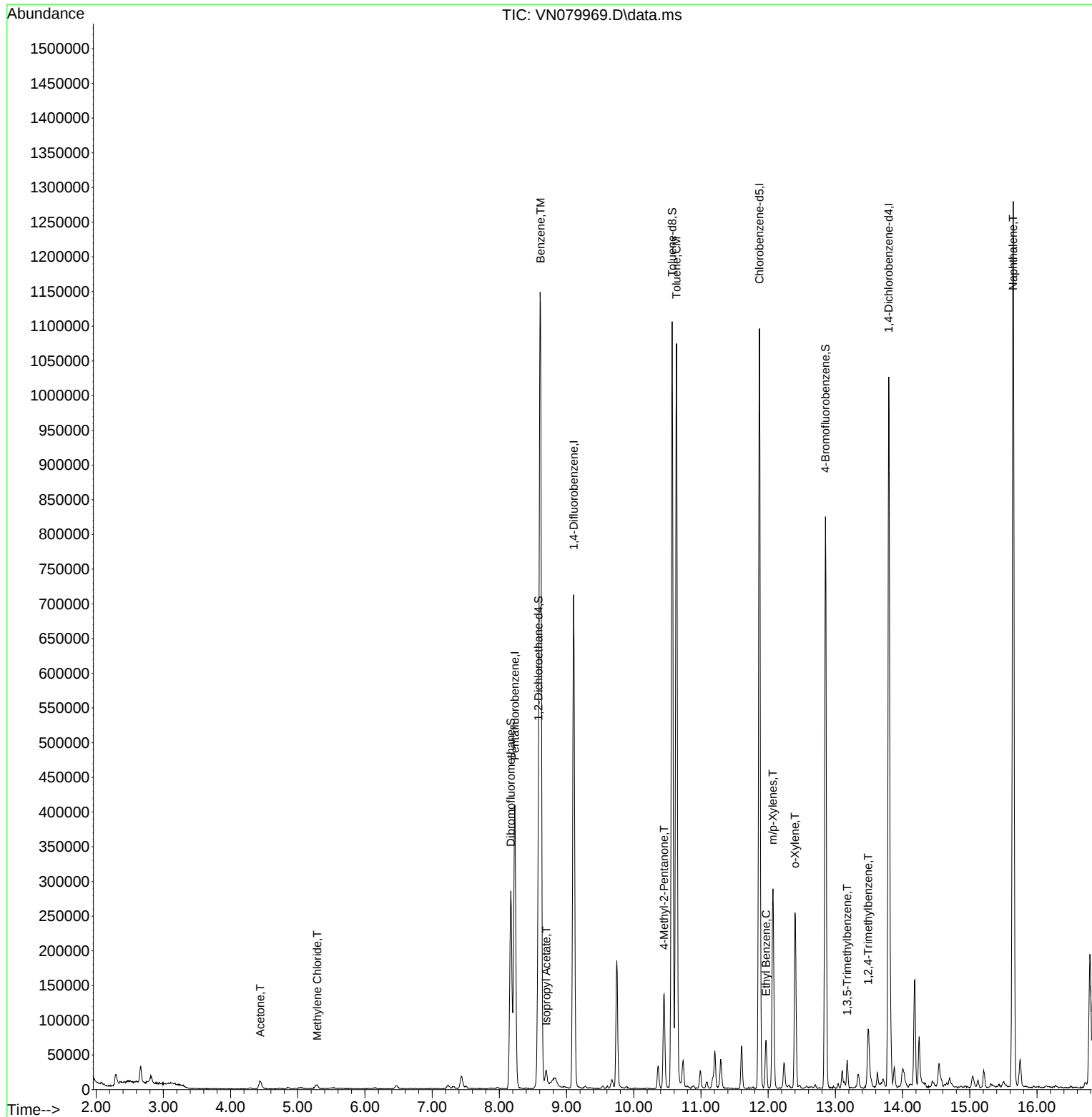
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 8.229          | 168  | 282441              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 582166              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.870         | 117  | 604686              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 267681              | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.582          | 65   | 241526              | 56.129 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 112.260% |        |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 201319              | 48.860 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 97.720%  |        |        |          |
| 50) Toluene-d8              | 10.570         | 98   | 740173              | 48.797 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 97.600%  |        |        |          |
| 62) 4-Bromofluorobenzene    | 12.853         | 95   | 279099              | 55.480 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = 110.960% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 4.441          | 43   | 22431               | 14.840 | ug/l   | 96       |
| 20) Methylene Chloride      | 5.288          | 84   | 4445                | 1.165  | ug/l # | 88       |
| 40) Benzene                 | 8.612          | 78   | 1105194             | 62.721 | ug/l   | 100      |
| 43) Isopropyl Acetate       | 8.700          | 43   | 30180               | 3.190  | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone    | 10.453         | 43   | 96653               | 18.144 | ug/l   | 87       |
| 52) Toluene                 | 10.635         | 92   | 459781              | 44.013 | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.970         | 91   | 48222               | 2.110  | ug/l   | 99       |
| 68) m/p-Xylenes             | 12.070         | 106  | 90456               | 10.626 | ug/l   | 96       |
| 69) o-Xylene                | 12.400         | 106  | 65808               | 8.028  | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene  | 13.176         | 105  | 18167               | 1.149  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.488         | 105  | 54332               | 3.494  | ug/l   | 87       |
| 95) Naphthalene             | 15.647         | 128  | 1112580             | 78.994 | ug/l   | 99       |
| -----                       |                |      |                     |        |        |          |

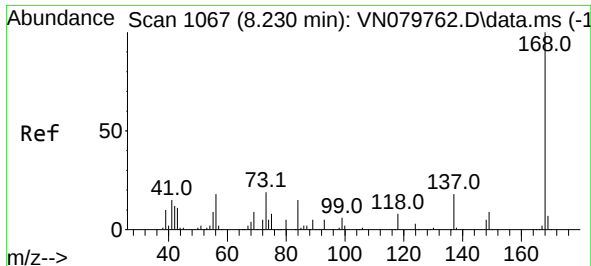
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110723\  
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Sample : 05107-25DL 10X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
1049DL

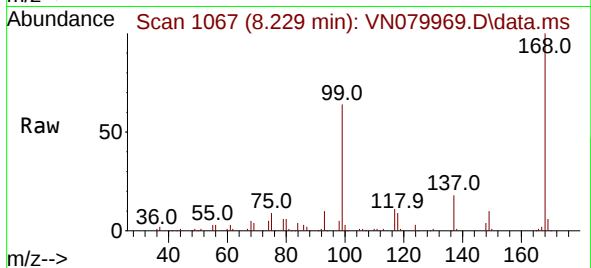
Quant Time: Nov 08 04:31:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:49:08 2023  
Response via : Initial Calibration



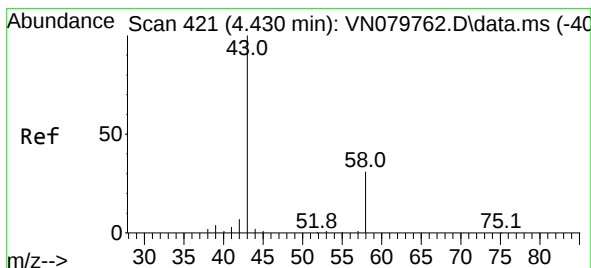
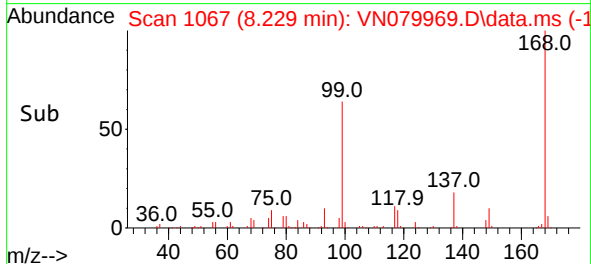
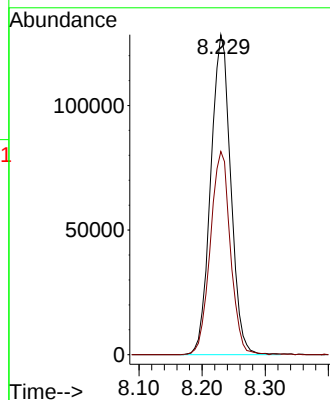


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. 0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
1049DL

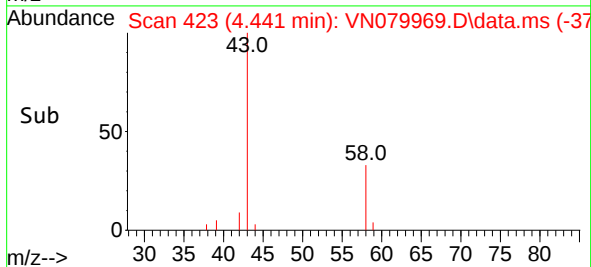
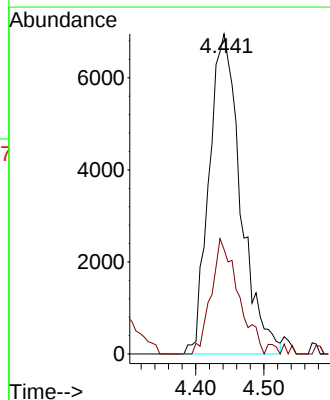
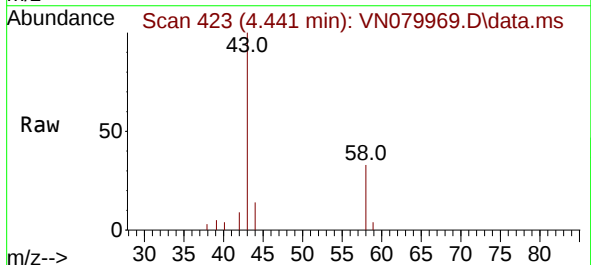


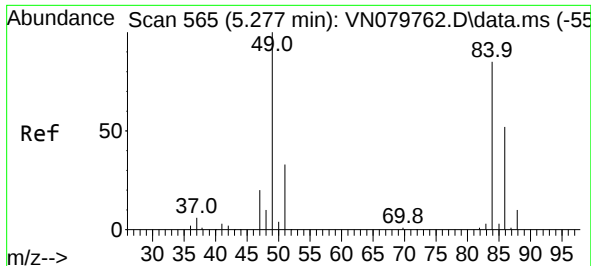
Tgt Ion:168 Resp: 282441  
Ion Ratio Lower Upper  
168 100  
99 63.5 53.0 79.6



#16  
Acetone  
Concen: 14.840 ug/l  
RT: 4.441 min Scan# 423  
Delta R.T. 0.012 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion: 43 Resp: 22431  
Ion Ratio Lower Upper  
43 100  
58 32.6 28.0 42.0

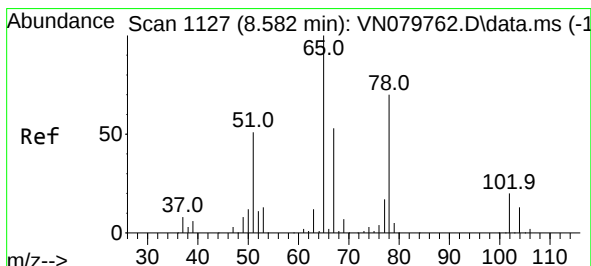
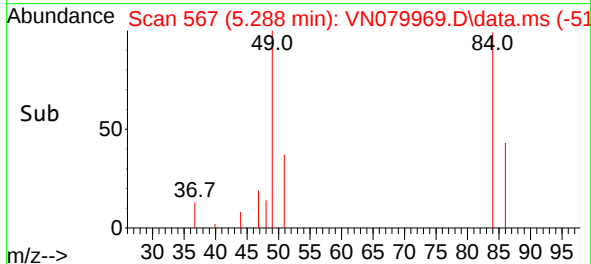
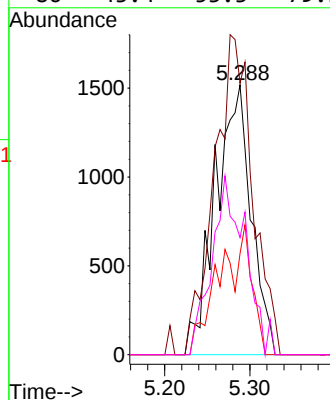
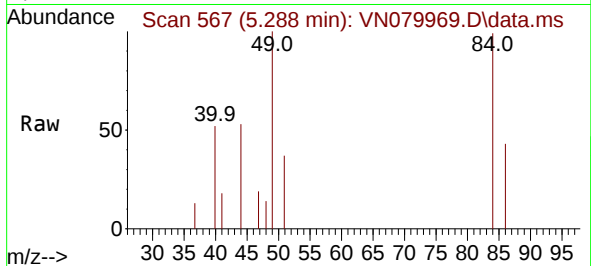




#20  
Methylene Chloride  
Concen: 1.165 ug/l  
RT: 5.288 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

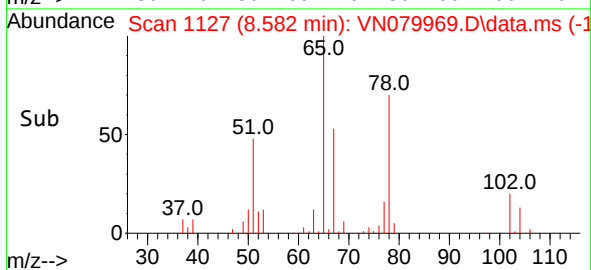
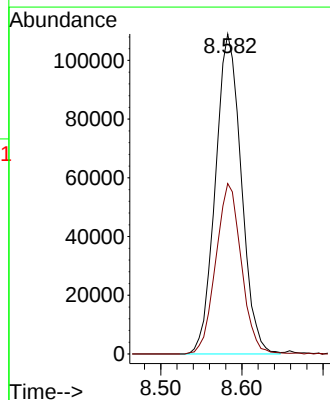
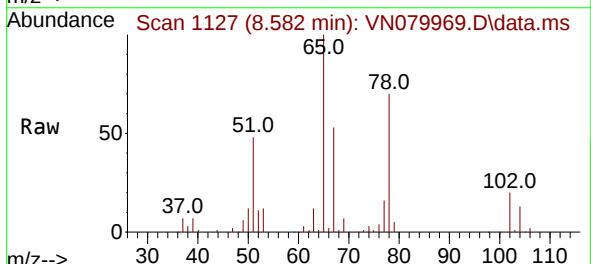
Instrument :  
MSVOA\_N  
ClientSampleId :  
1049DL

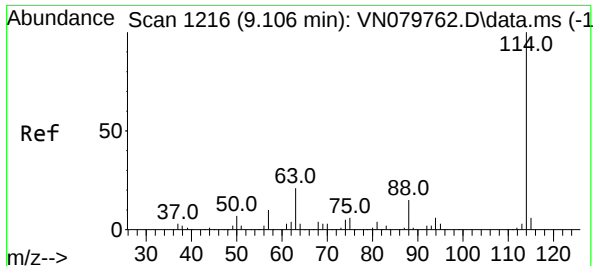
Tgt Ion: 84 Resp: 4445  
Ion Ratio Lower Upper  
84 100  
49 100.7 79.7 119.5  
51 37.5 25.2 37.8  
86 43.4 53.3 79.9#



#33  
1,2-Dichloroethane-d4  
Concen: 56.129 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion: 65 Resp: 241526  
Ion Ratio Lower Upper  
65 100  
67 52.6 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: VN079969.D

Acq: 07 Nov 2023 16:58

Instrument :

MSVOA\_N

ClientSampleId :

1049DL

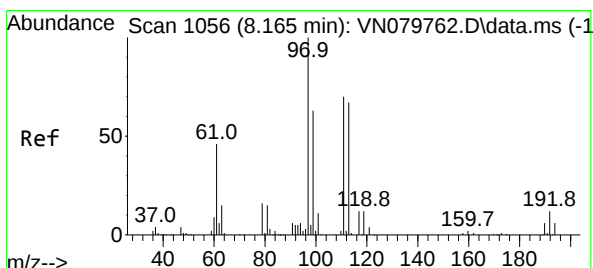
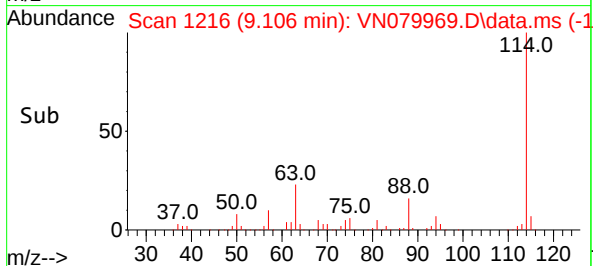
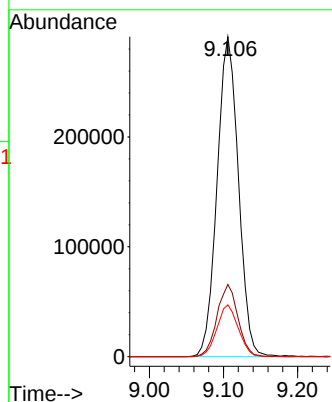
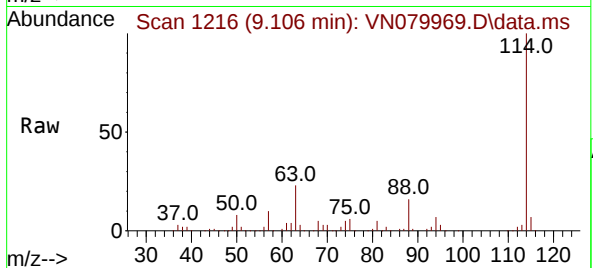
Tgt Ion:114 Resp: 582166

Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.860 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079969.D

Acq: 07 Nov 2023 16:58

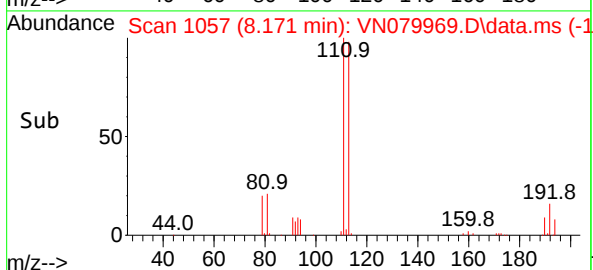
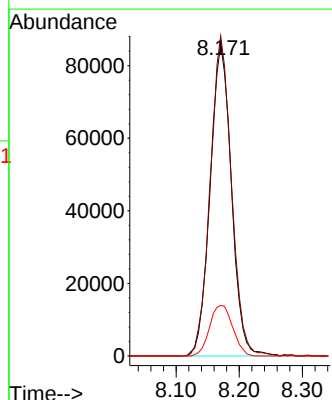
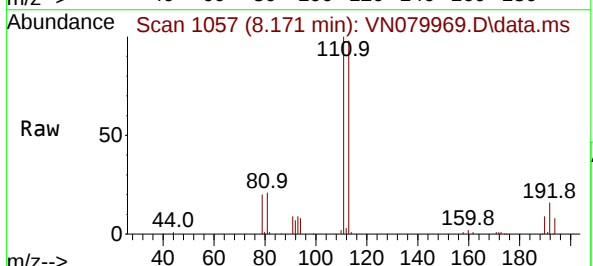
Tgt Ion:113 Resp: 201319

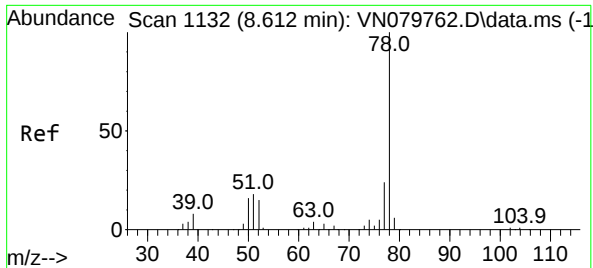
Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 17.6 12.7 19.1

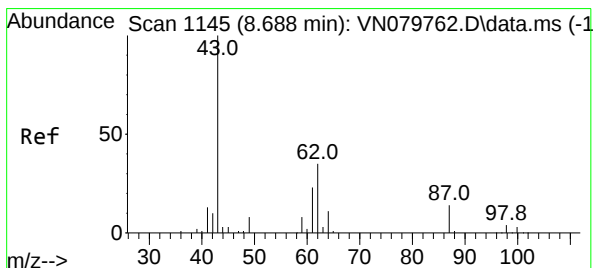
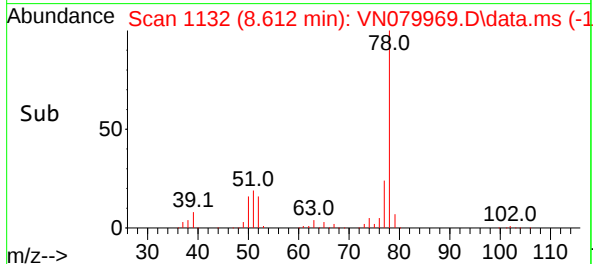
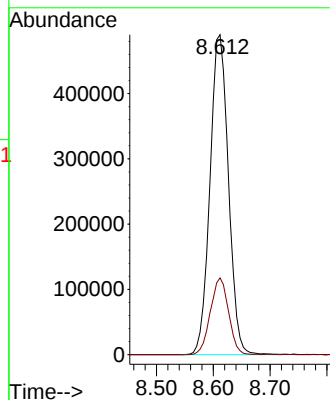
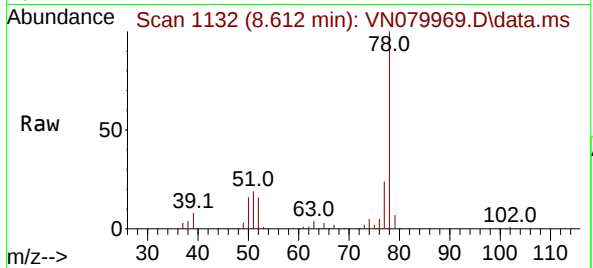




#40  
Benzene  
Concen: 62.721 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

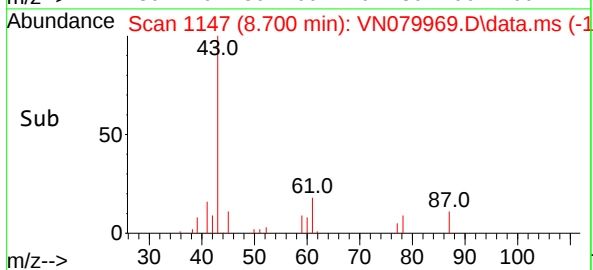
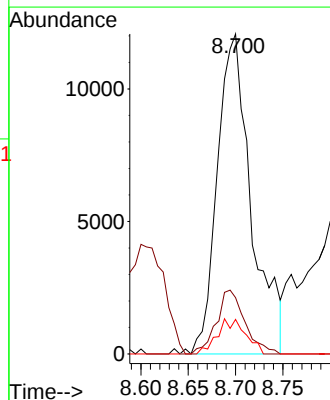
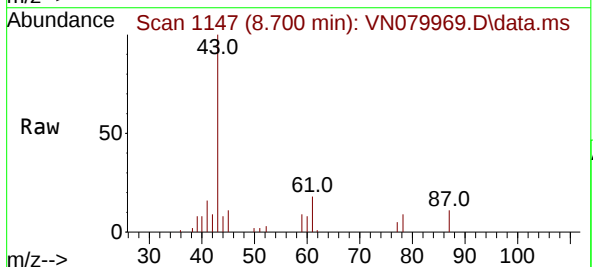
Instrument :  
MSVOA\_N  
ClientSampleId :  
1049DL

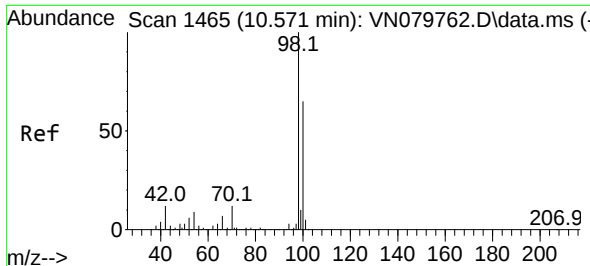
Tgt Ion: 78 Resp: 1105194  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.0 28.6



#43  
Isopropyl Acetate  
Concen: 3.190 ug/l  
RT: 8.700 min Scan# 1147  
Delta R.T. 0.012 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion: 43 Resp: 30180  
Ion Ratio Lower Upper  
43 100  
61 16.7 24.7 37.1#  
87 9.1 14.6 21.8#

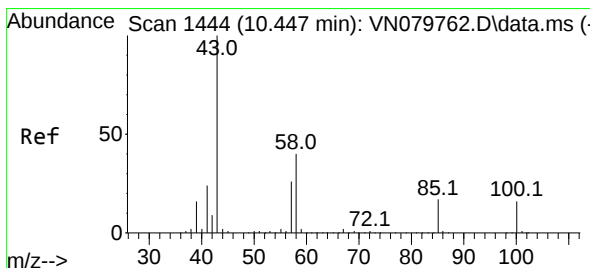
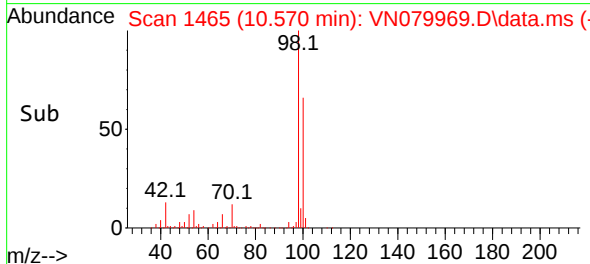
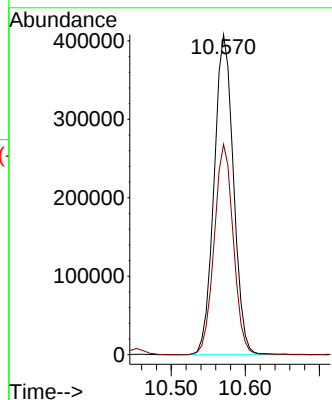
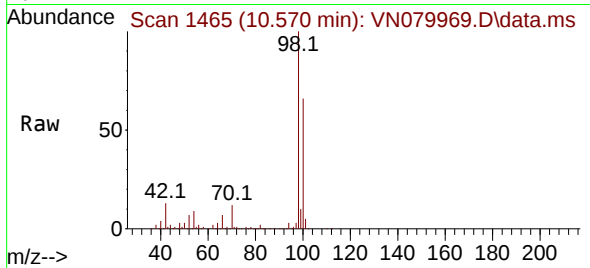




#50  
Toluene-d8  
Concen: 48.797 ug/l  
RT: 10.570 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

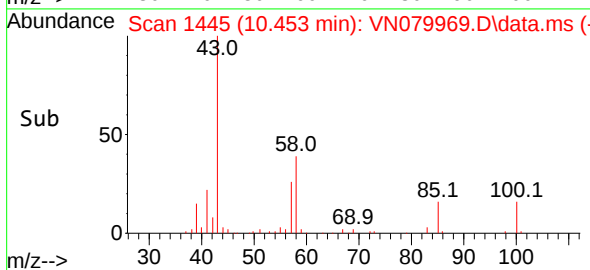
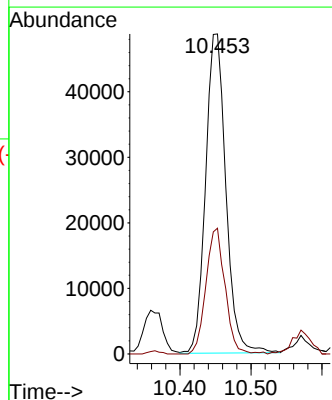
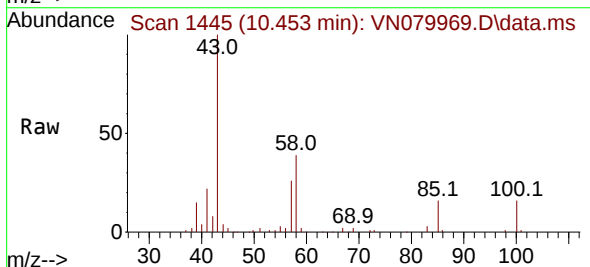
Instrument :  
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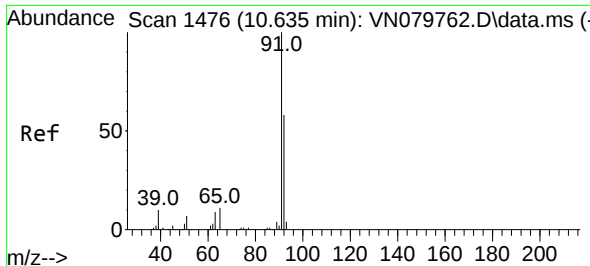
Tgt Ion: 98 Resp: 740173  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 18.144 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion: 43 Resp: 96653  
Ion Ratio Lower Upper  
43 100  
58 37.3 36.6 54.8

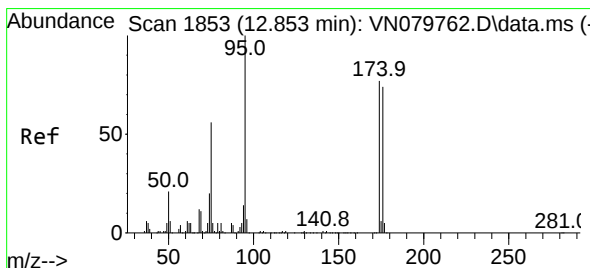
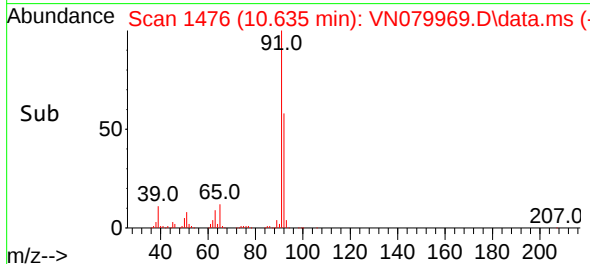
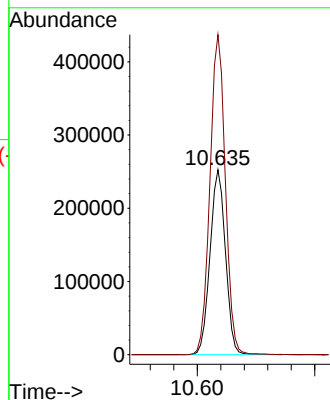
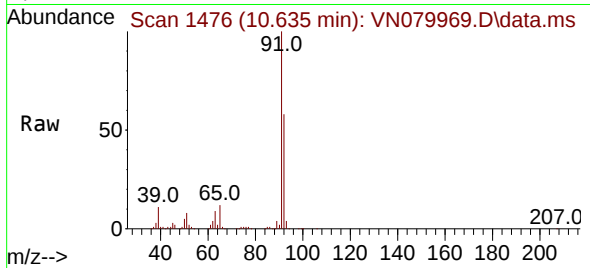




#52  
Toluene  
Concen: 44.013 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

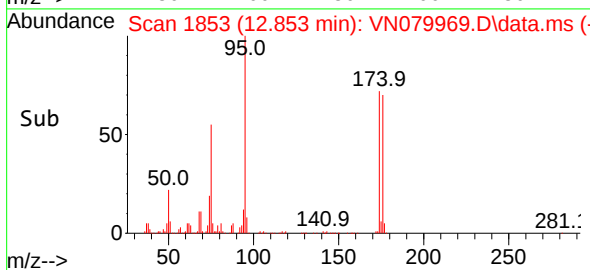
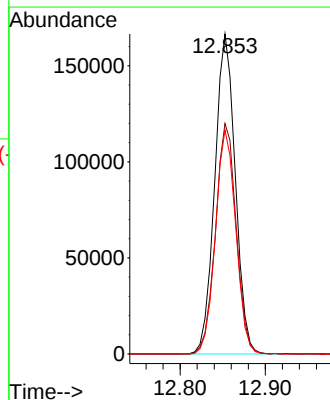
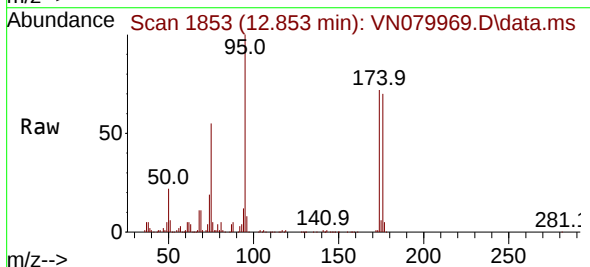
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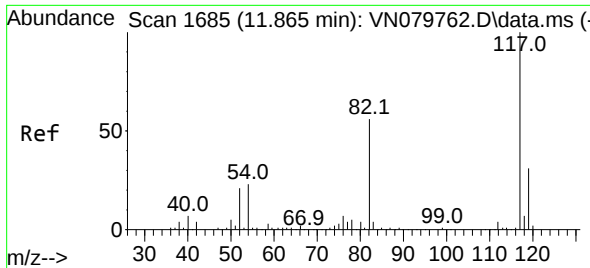
Tgt Ion: 92 Resp: 459781  
Ion Ratio Lower Upper  
92 100  
91 172.7 137.4 206.0



#62  
4-Bromofluorobenzene  
Concen: 55.480 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion: 95 Resp: 279099  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 143.8  
176 69.3 0.0 135.8

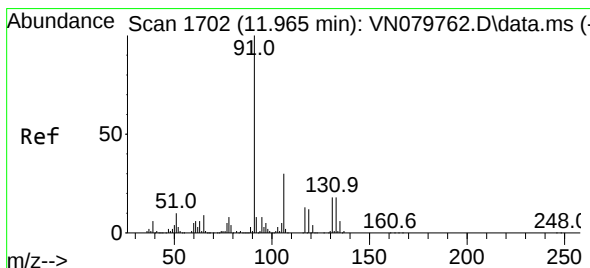
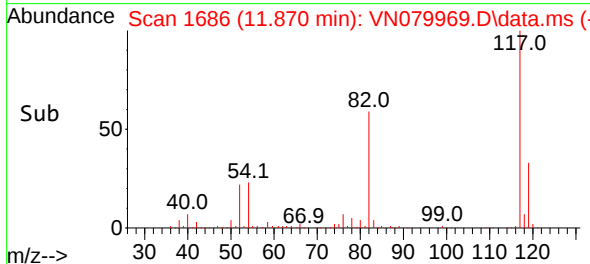
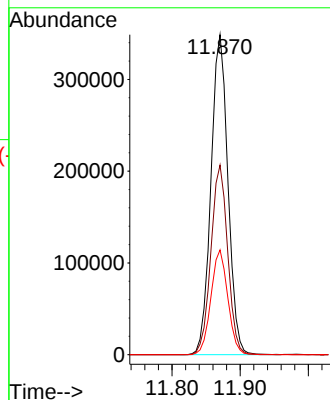
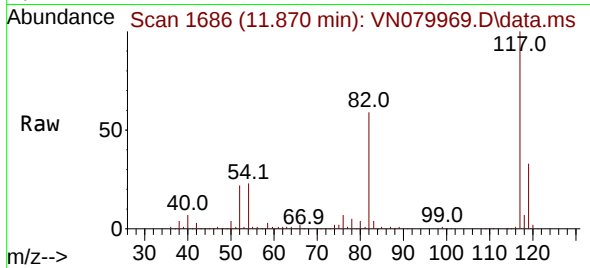




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

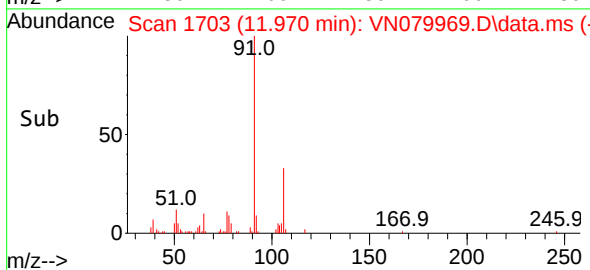
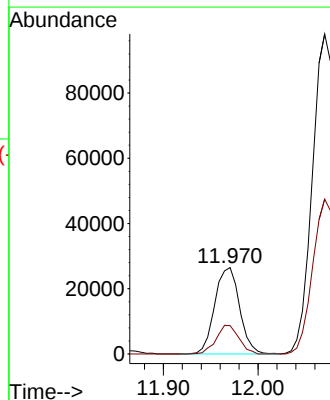
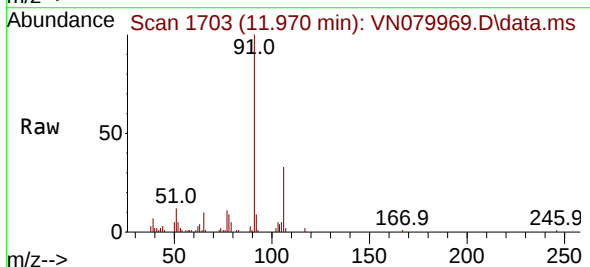
Instrument :  
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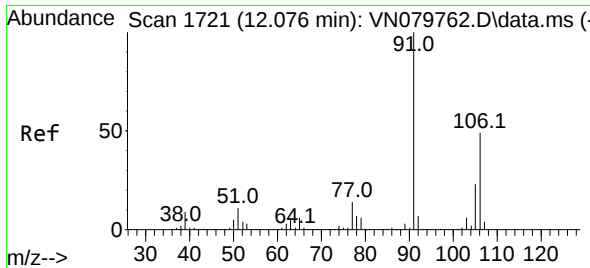
Tgt Ion:117 Resp: 604686  
Ion Ratio Lower Upper  
117 100  
82 59.3 44.0 66.0  
119 32.8 25.6 38.4



#67  
Ethyl Benzene  
Concen: 2.110 ug/l  
RT: 11.970 min Scan# 1703  
Delta R.T. 0.006 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion: 91 Resp: 48222  
Ion Ratio Lower Upper  
91 100  
106 32.8 25.6 38.4

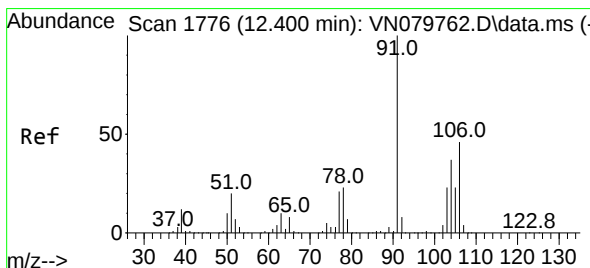
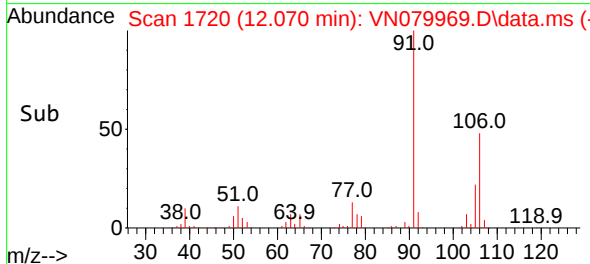
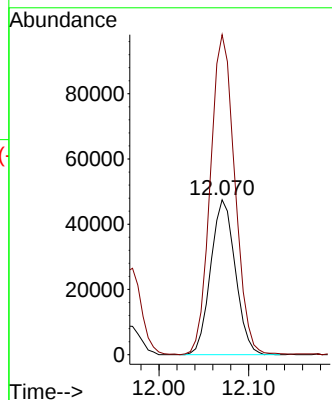
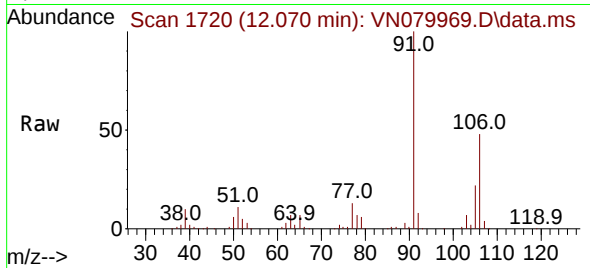




#68  
m/p-Xylenes  
Concen: 10.626 ug/l  
RT: 12.070 min Scan# 1721  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

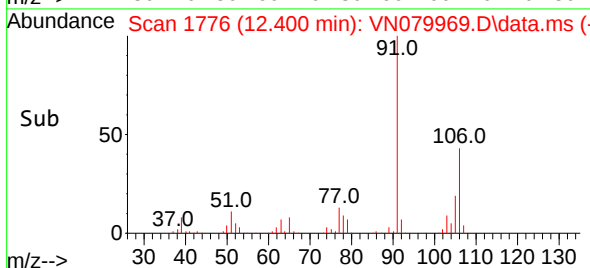
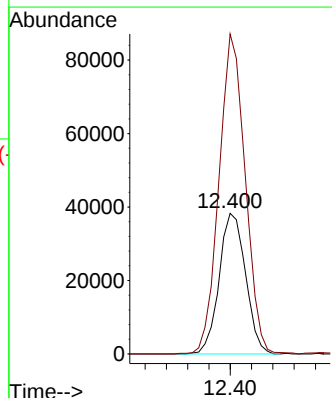
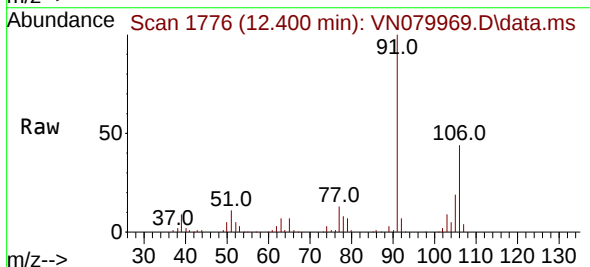
Instrument :  
MSVOA\_N  
ClientSampleId :  
1049DL

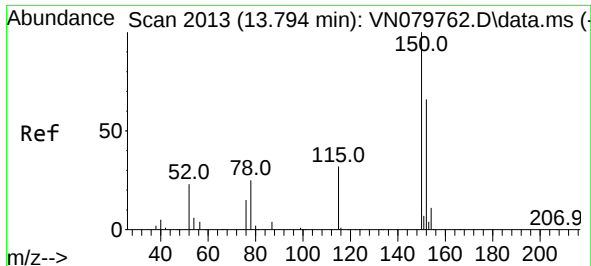
Tgt Ion:106 Resp: 90456  
Ion Ratio Lower Upper  
106 100  
91 205.9 159.6 239.4



#69  
o-Xylene  
Concen: 8.028 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion:106 Resp: 65808  
Ion Ratio Lower Upper  
106 100  
91 226.2 105.2 315.5

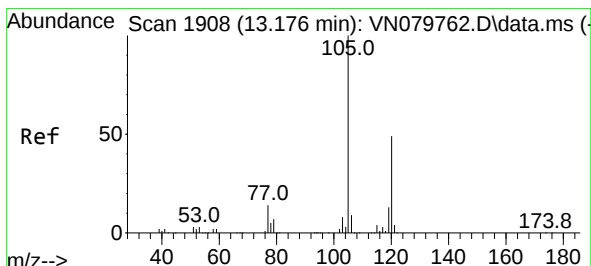
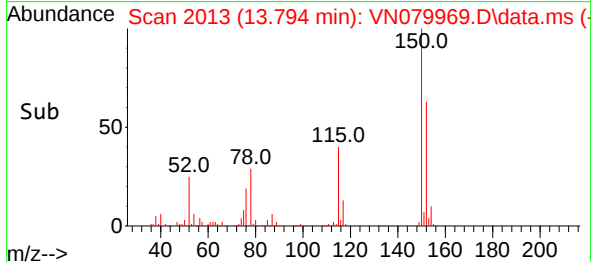
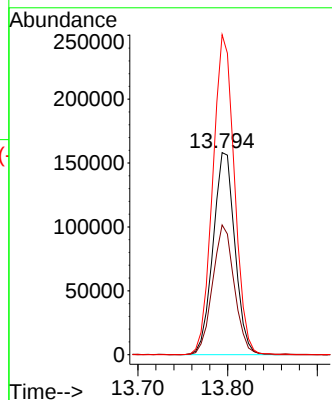
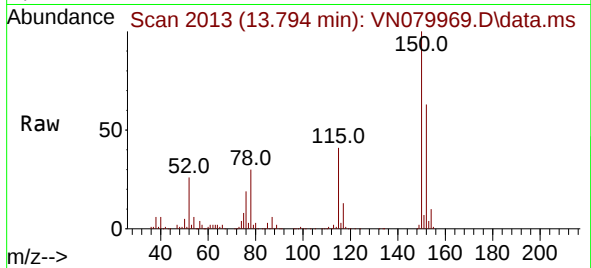




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. -0.000 min  
 Lab File: VN079969.D  
 Acq: 07 Nov 2023 16:58

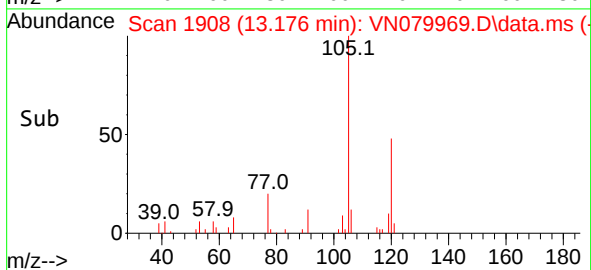
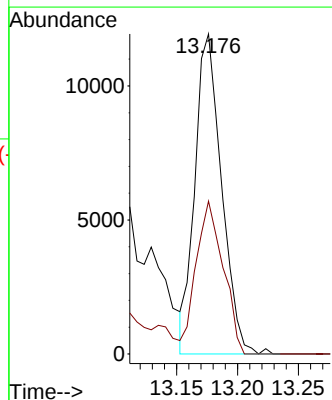
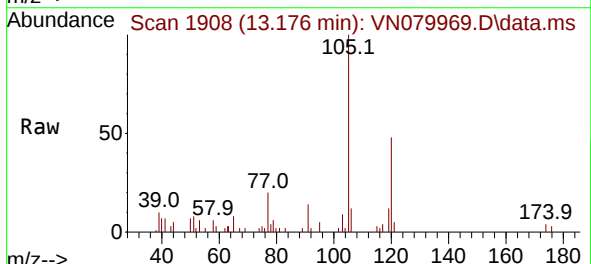
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 1049DL

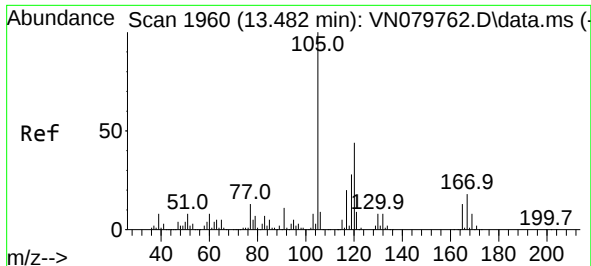
Tgt Ion:152 Resp: 267681  
 Ion Ratio Lower Upper  
 152 100  
 115 63.9 32.3 96.8  
 150 157.0 0.0 355.8



#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.149 ug/l  
 RT: 13.176 min Scan# 1908  
 Delta R.T. -0.000 min  
 Lab File: VN079969.D  
 Acq: 07 Nov 2023 16:58

Tgt Ion:105 Resp: 18167  
 Ion Ratio Lower Upper  
 105 100  
 120 48.6 24.1 72.3

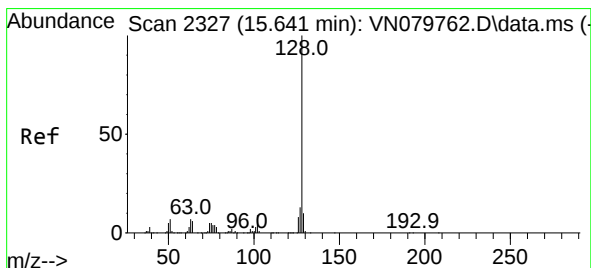
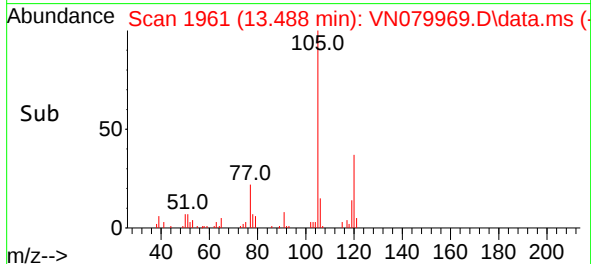
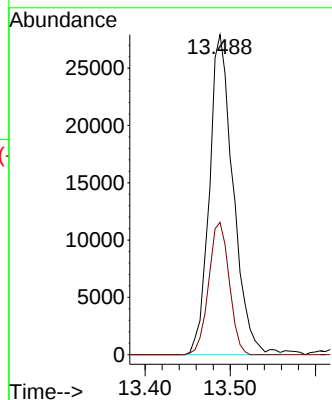
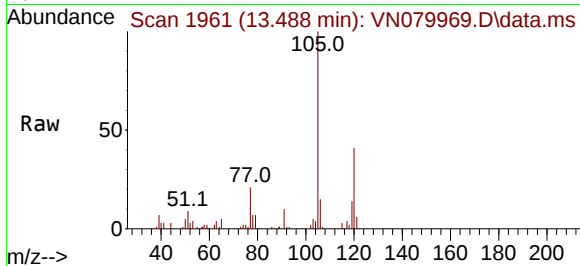




#84  
1,2,4-Trimethylbenzene  
Concen: 3.494 ug/l  
RT: 13.488 min Scan# 1960  
Delta R.T. 0.006 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
1049DL

Tgt Ion:105 Resp: 54332  
Ion Ratio Lower Upper  
105 100  
120 35.6 22.0 66.0



#95  
Naphthalene  
Concen: 78.994 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. 0.006 min  
Lab File: VN079969.D  
Acq: 07 Nov 2023 16:58

Tgt Ion:128 Resp: 1112580  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.0 15.0  
129 10.8 8.7 13.1

