

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121824\  
 Data File : VY020640.D  
 Acq On : 18 Dec 2024 16:51  
 Operator : SY/MD  
 Sample : P5299-03  
 Misc : 5.73g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-01

Quant Time: Dec 19 02:50:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

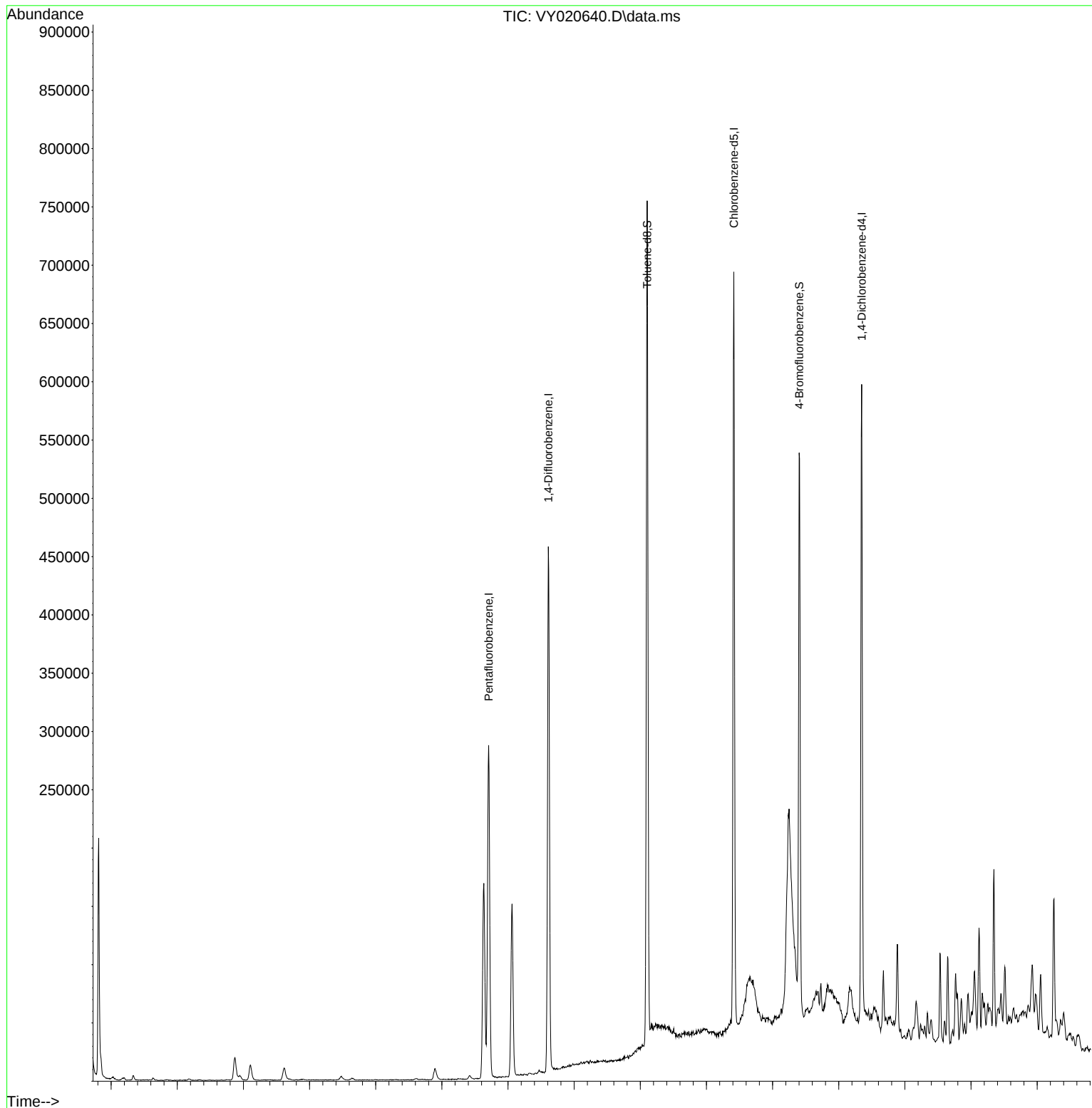
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 223514   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.609  | 114   | 392391   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 337704   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 138439   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 119025   | 48.622   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 97.240%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 120658   | 43.630   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 87.260%  |
| 50) Toluene-d8              | 10.103 | 98    | 476055   | 49.181   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 98.360%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 151545   | 40.024   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =      | 80.040%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.872  | 43    | 35108    | 67.492   | ug/l   | 96       |
| 17) Carbon Disulfide        | 4.110  | 76    | 26537    | 2.910    | ug/l   | 97       |
| 25) 2-Butanone              | 6.896  | 43    | 16117    | 17.716   | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

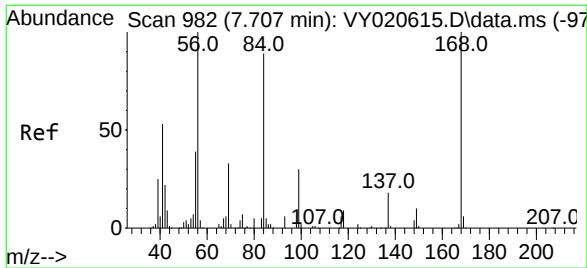
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration

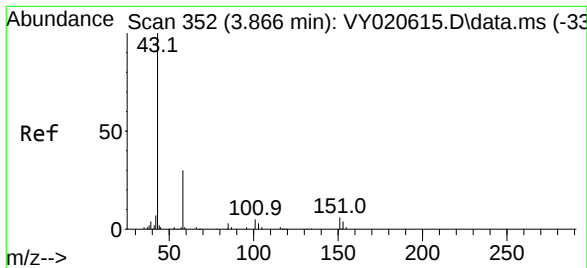
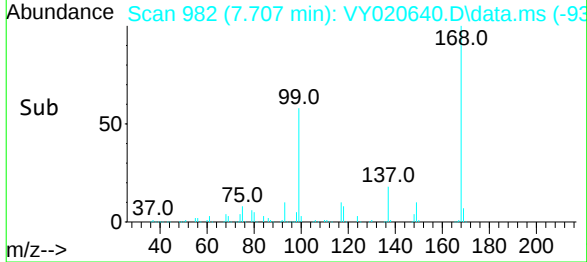
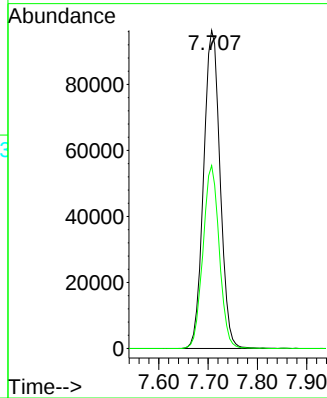
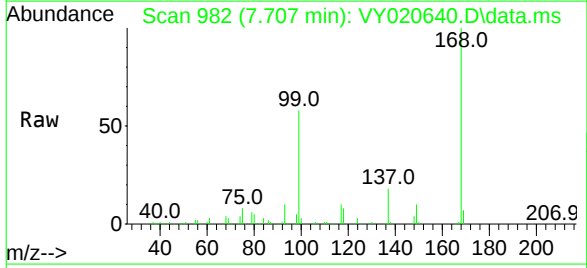




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 98  
Delta R.T. 0.000 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

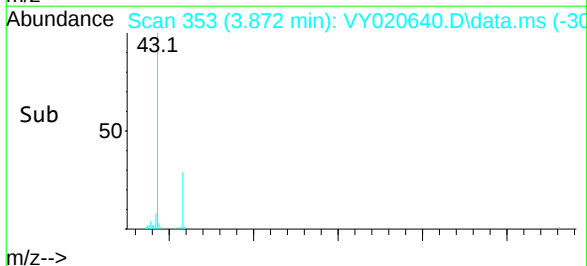
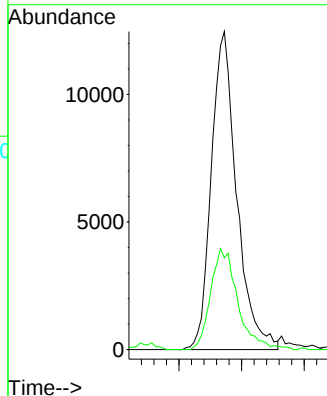
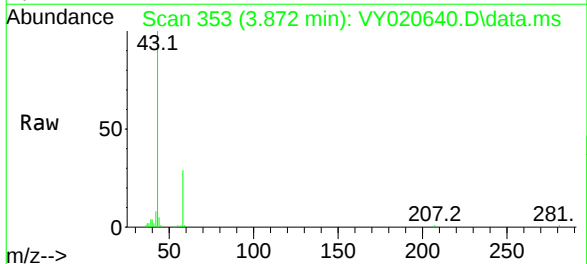
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01

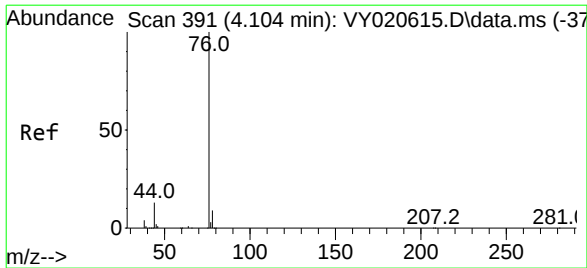
Tgt Ion:168 Resp: 223514  
Ion Ratio Lower Upper  
168 100  
99 57.5 47.0 70.6



#16  
Acetone  
Concen: 67.492 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. 0.006 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

Tgt Ion: 43 Resp: 35108  
Ion Ratio Lower Upper  
43 100  
58 28.9 25.0 37.6

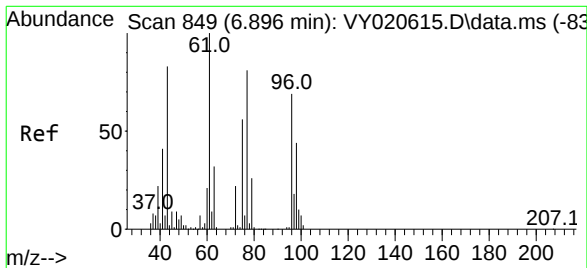
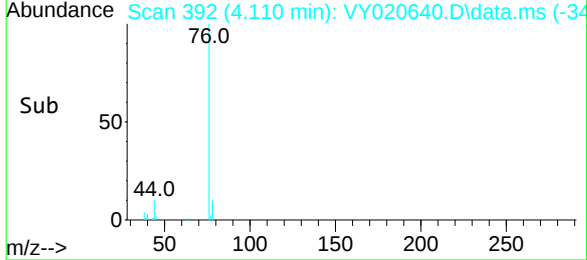
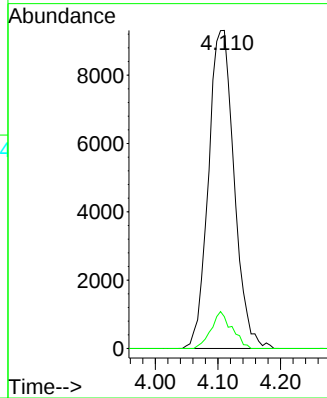
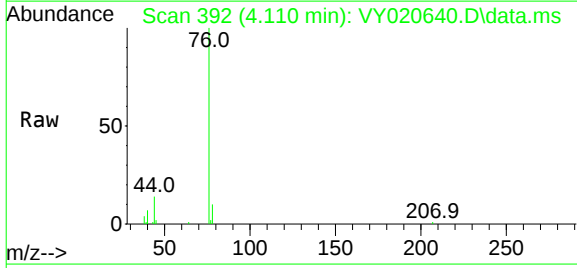




#17  
Carbon Disulfide  
Concen: 2.910 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

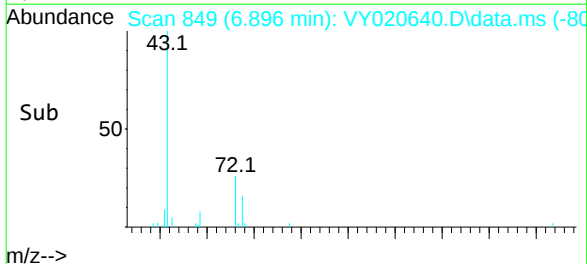
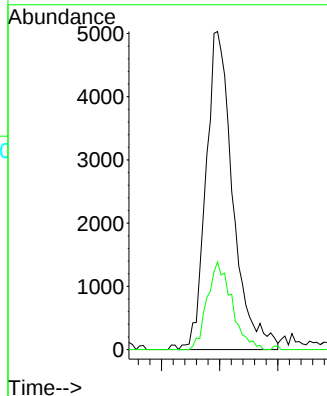
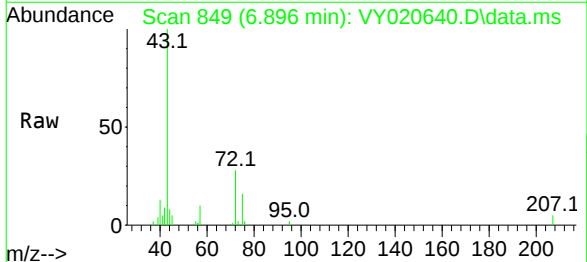
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01

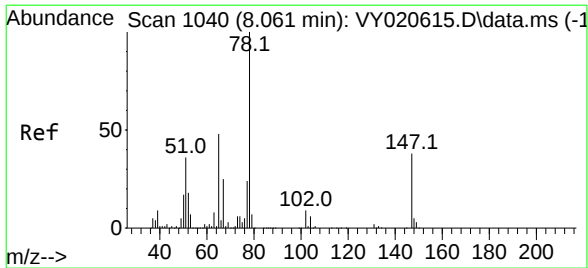
Tgt Ion: 76 Resp: 26537  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.2 10.8



#25  
2-Butanone  
Concen: 17.716 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

Tgt Ion: 43 Resp: 16117  
Ion Ratio Lower Upper  
43 100  
72 27.6 20.6 31.0

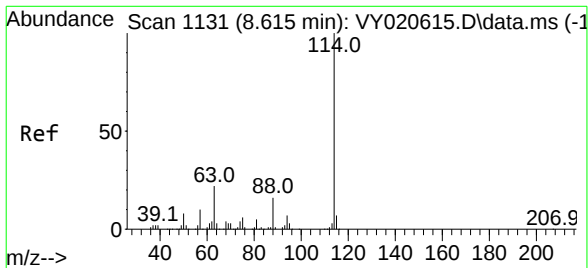
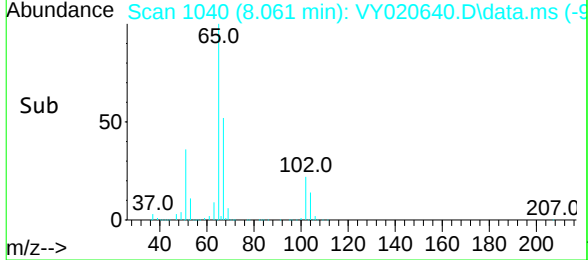
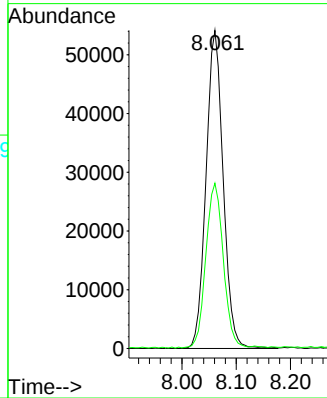
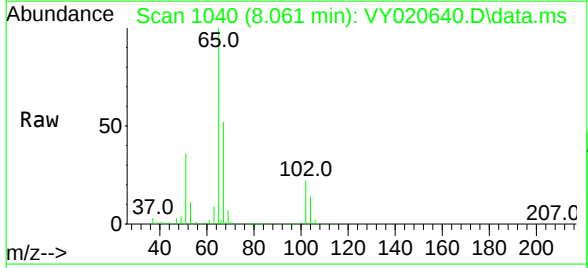




#33  
1,2-Dichloroethane-d4  
Concen: 48.622 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

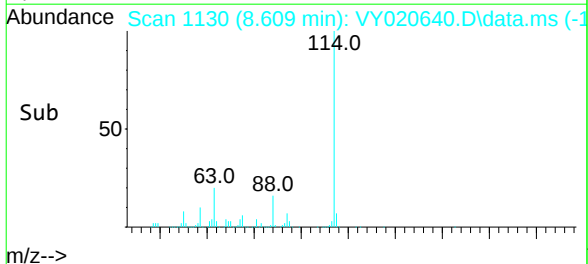
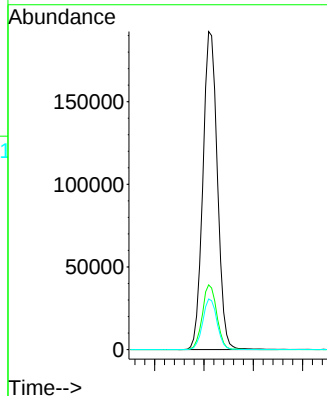
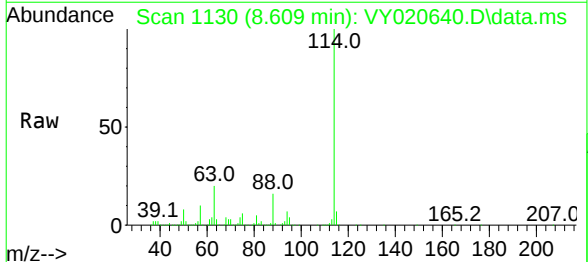
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01

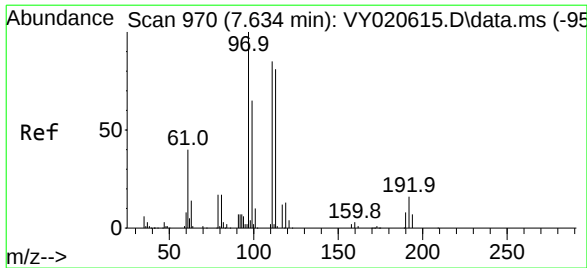
Tgt Ion: 65 Resp: 119025  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 108.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.609 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

Tgt Ion: 114 Resp: 392391  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 44.0  
88 15.9 0.0 32.8

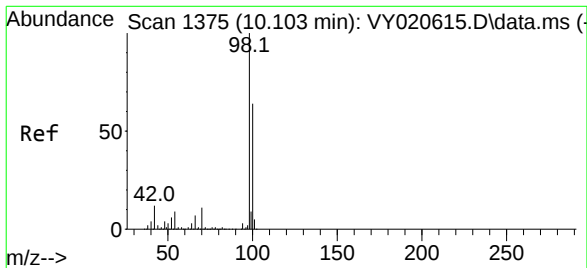
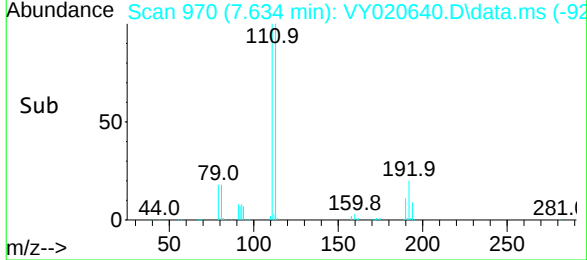
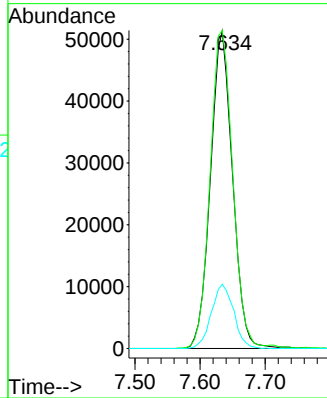
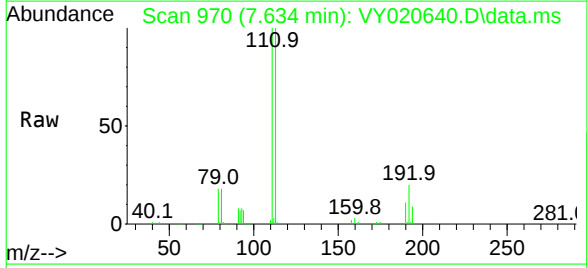




#35  
Dibromofluoromethane  
Concen: 43.630 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

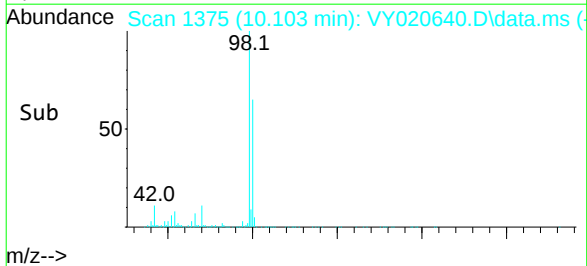
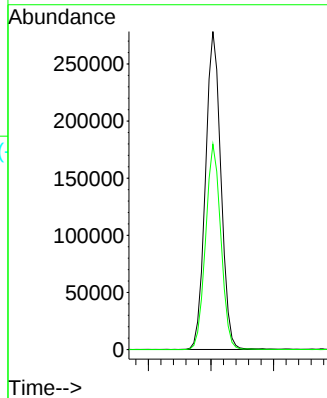
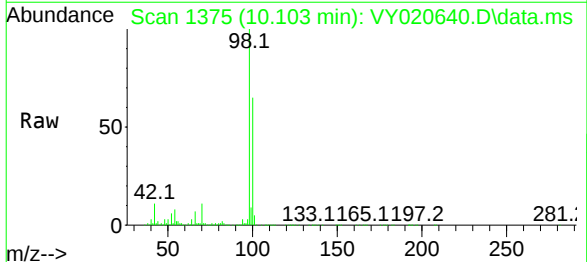
Instrument :  
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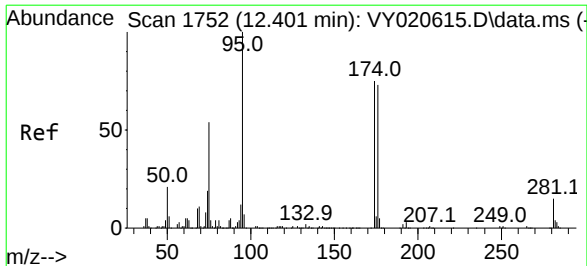
Tgt Ion: 113 Resp: 120658  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.9 124.3  
192 20.5 15.7 23.5



#50  
Toluene-d8  
Concen: 49.181 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY020640.D  
Acq: 18 Dec 2024 16:51

Tgt Ion: 98 Resp: 476055  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 40.024 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY020640.D

Acq: 18 Dec 2024 16:51

Instrument :

MSVOA\_Y

ClientSampleId :

SB-01

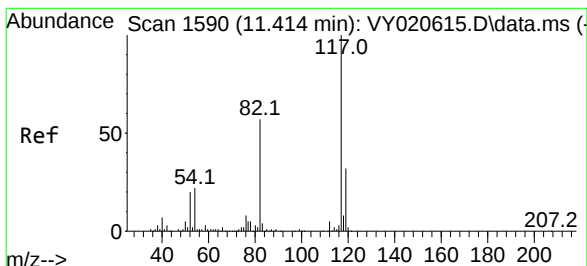
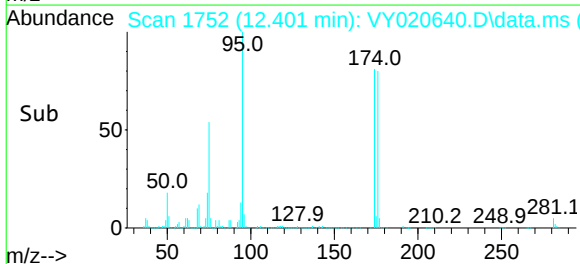
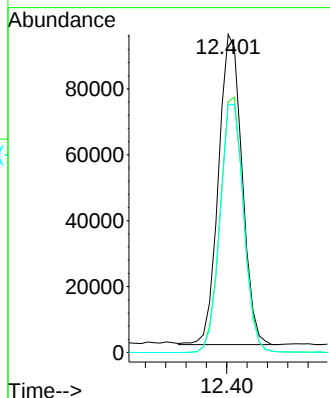
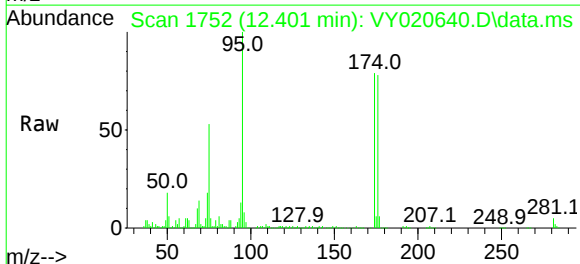
Tgt Ion: 95 Resp: 151545

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.8

176 80.1 0.0 156.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY020640.D

Acq: 18 Dec 2024 16:51

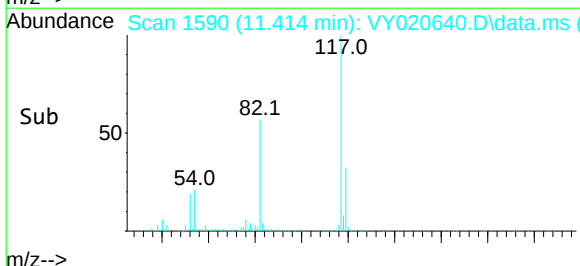
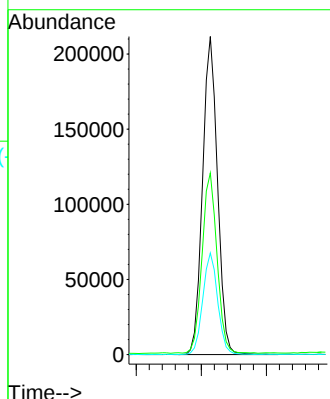
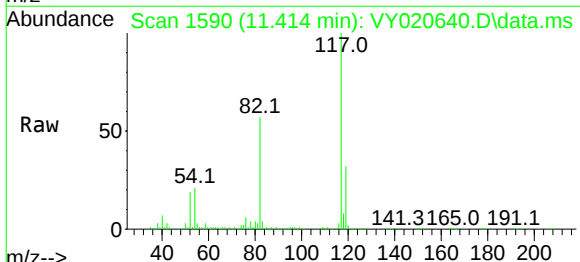
Tgt Ion: 117 Resp: 337704

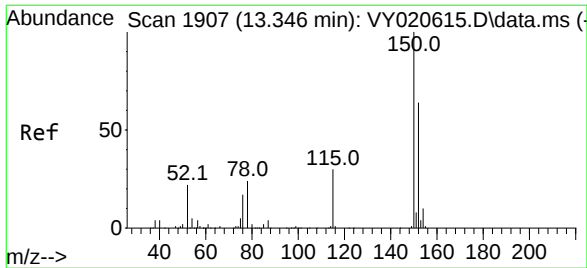
Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.6

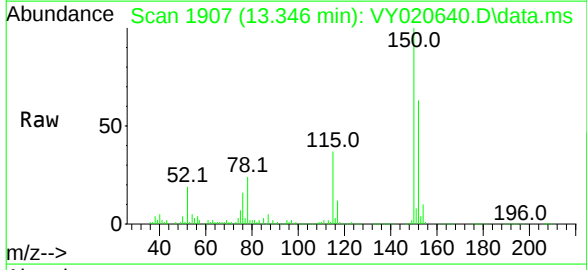
119 31.9 25.3 37.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 19  
 Delta R.T. 0.000 min  
 Lab File: VY020640.D  
 Acq: 18 Dec 2024 16:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 138439 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.9  | 30.2  | 90.6   |
| 150      | 158.0 | 0.0   | 355.4  |

