

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110824\  
 Data File : VY020231.D  
 Acq On : 08 Nov 2024 14:25  
 Operator : SY/MD  
 Sample : P4771-07  
 Misc : 5.45g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P-2

Quant Time: Nov 08 22:18:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

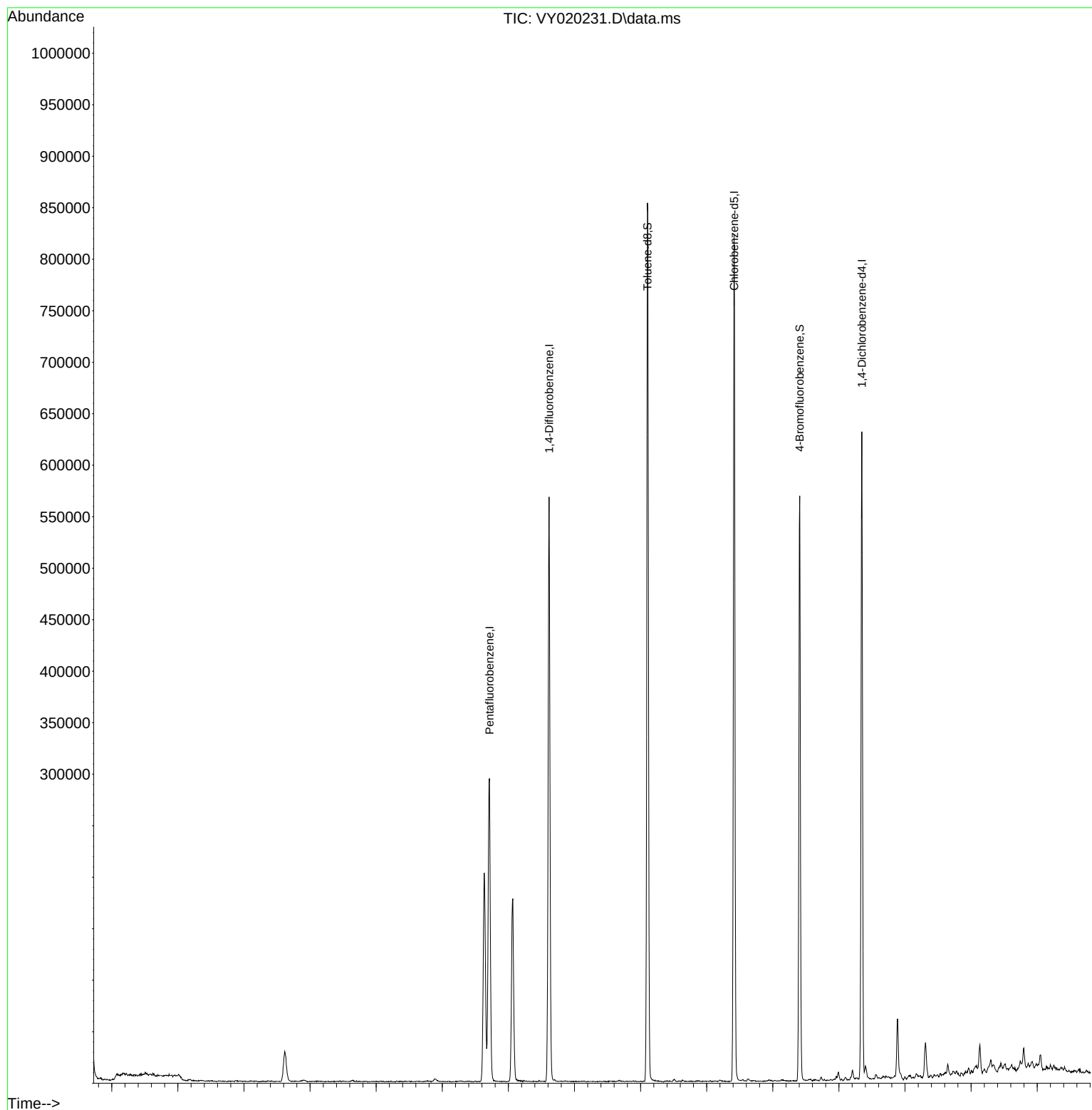
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 203773   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 433180   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 397248   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 140693   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 139510   | 54.856   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 109.720% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 140377   | 50.970   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 101.940% |
| 50) Toluene-d8              | 10.103 | 98    | 535286   | 48.827   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 97.660%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 165786   | 46.558   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 93.120%  |
| Target Compounds            |        |       |          |          |       |          |
| 20) Methylene Chloride      | 4.616  | 84    | 21047    | 7.922    | ug/l  | # 89     |
| -----                       |        |       |          |          |       |          |

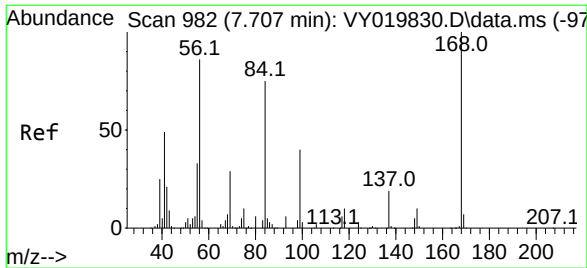
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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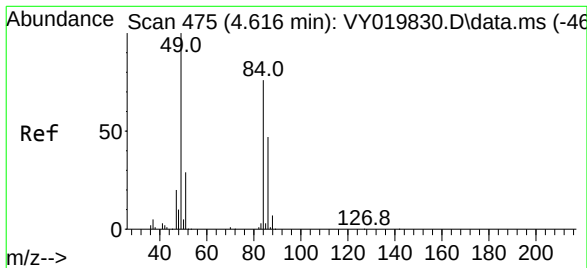
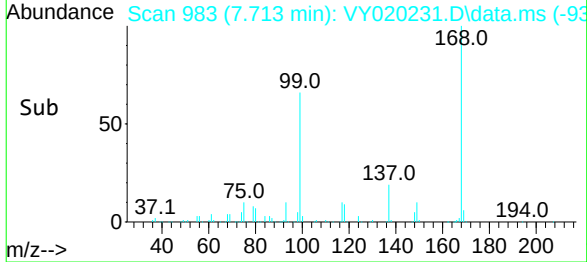
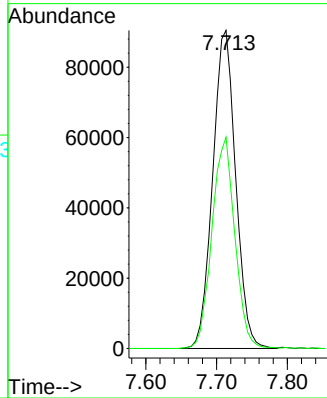
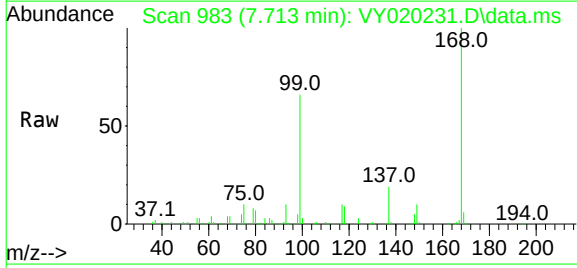




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. 0.006 min  
Lab File: VY020231.D  
Acq: 08 Nov 2024 14:25

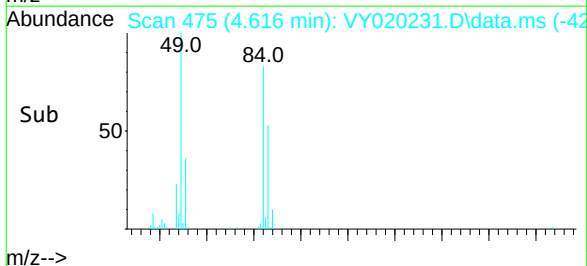
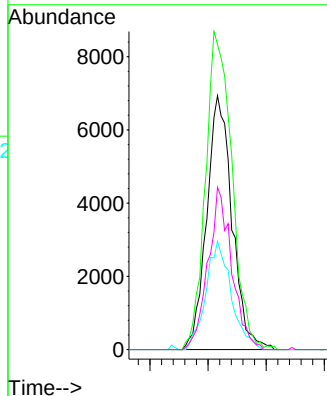
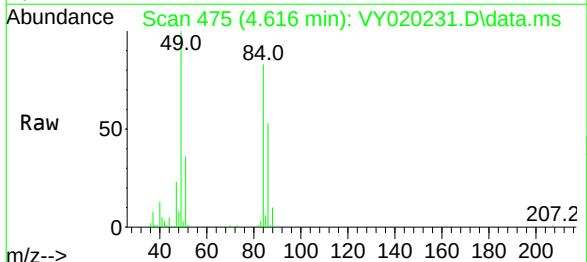
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P-2

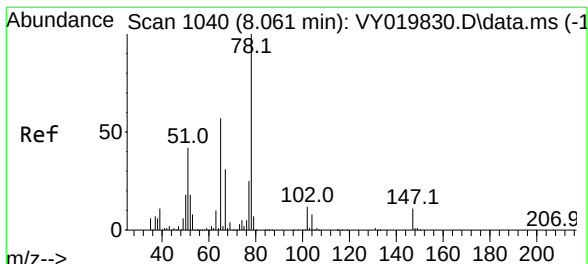
Tgt Ion:168 Resp: 203773  
Ion Ratio Lower Upper  
168 100  
99 66.4 39.1 58.7#



#20  
Methylene Chloride  
Concen: 7.922 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY020231.D  
Acq: 08 Nov 2024 14:25

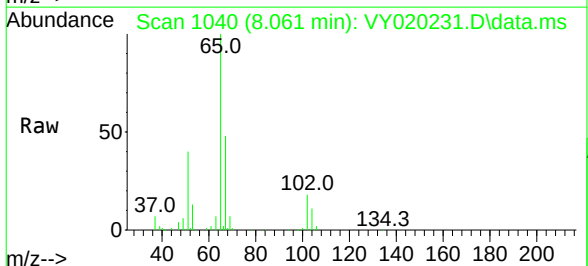
Tgt Ion: 84 Resp: 21047  
Ion Ratio Lower Upper  
84 100  
49 120.1 84.4 126.6  
51 42.7 26.0 39.0#  
86 64.0 49.5 74.3



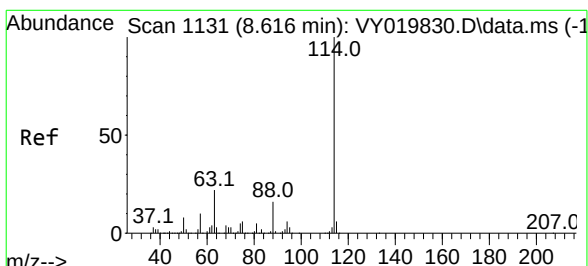
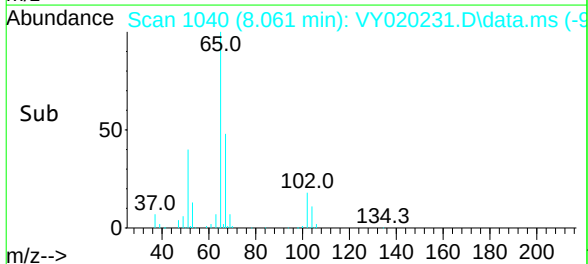
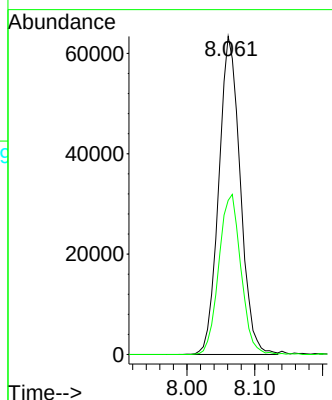


#33  
 1,2-Dichloroethane-d4  
 Concen: 54.856 ug/l  
 RT: 8.061 min Scan# 1040  
 Delta R.T. 0.000 min  
 Lab File: VY020231.D  
 Acq: 08 Nov 2024 14:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P-2

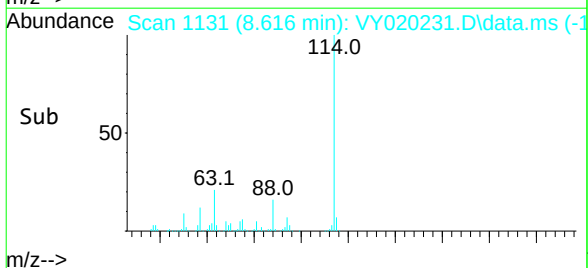
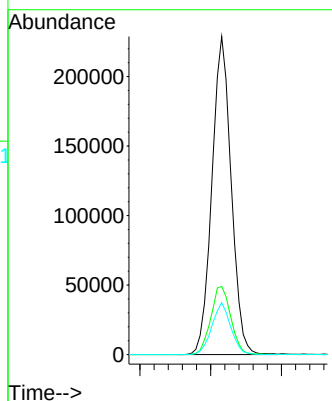
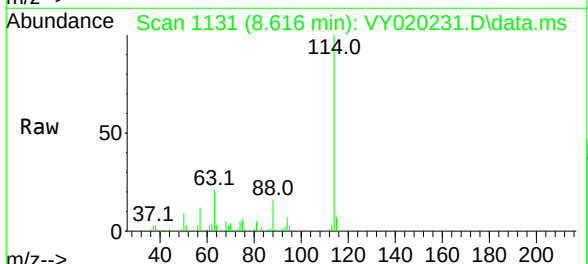


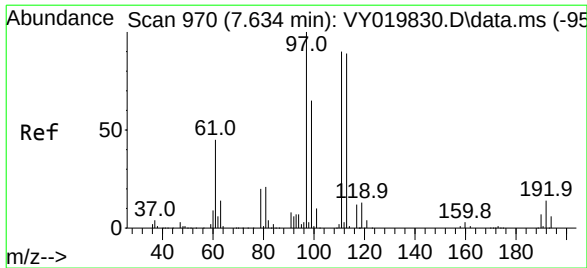
Tgt Ion: 65 Resp: 139510  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY020231.D  
 Acq: 08 Nov 2024 14:25

Tgt Ion: 114 Resp: 433180  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 35.0  
 88 16.3 0.0 27.2

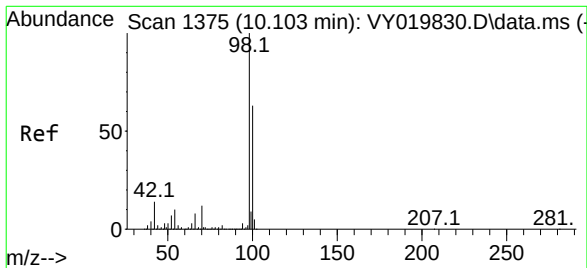
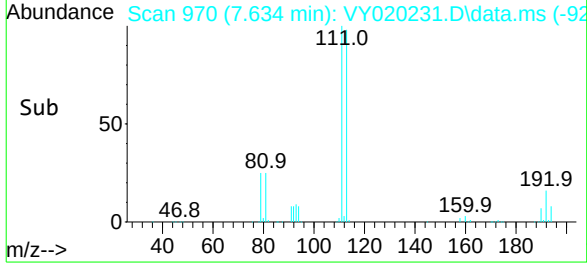
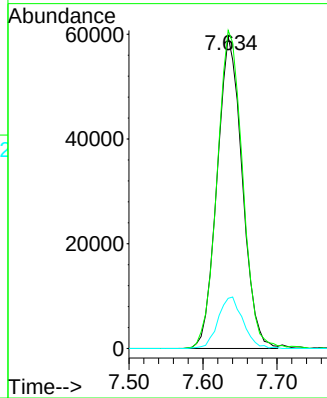
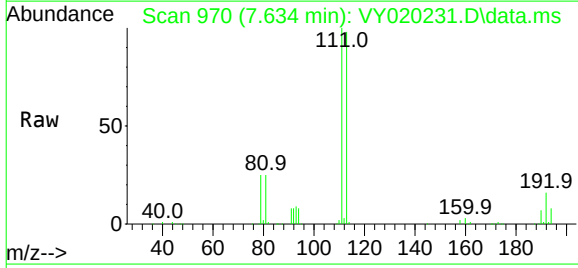




#35  
Dibromofluoromethane  
Concen: 50.970 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020231.D  
Acq: 08 Nov 2024 14:25

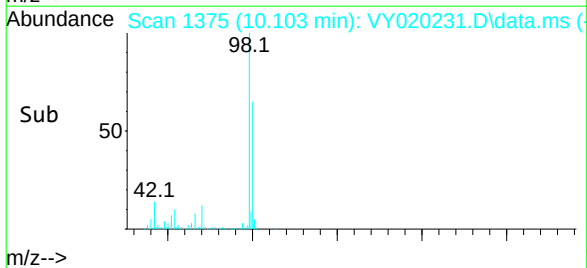
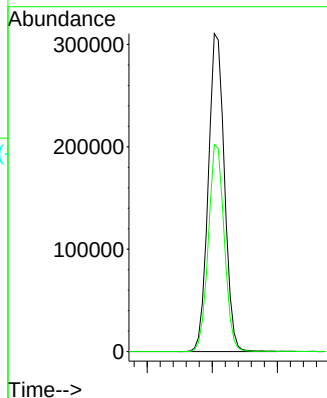
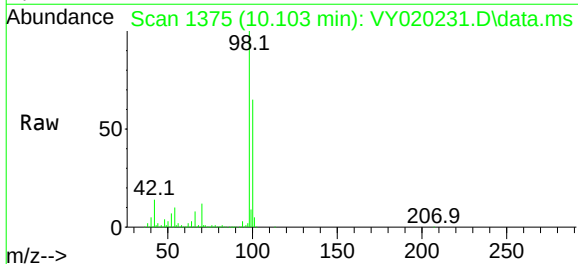
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P-2

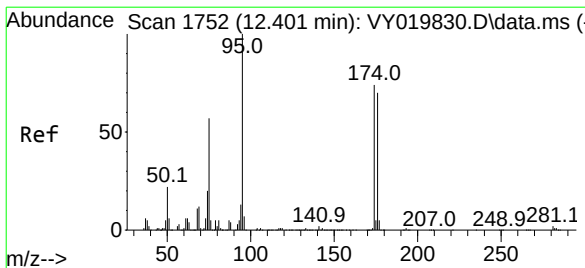
Tgt Ion: 113 Resp: 140377  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.2 123.4  
192 16.4 15.9 23.9



#50  
Toluene-d8  
Concen: 48.827 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY020231.D  
Acq: 08 Nov 2024 14:25

Tgt Ion: 98 Resp: 535286  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 46.558 ug/l

RT: 12.408 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY020231.D

Acq: 08 Nov 2024 14:25

Instrument :

MSVOA\_Y

ClientSampleId :

P-2

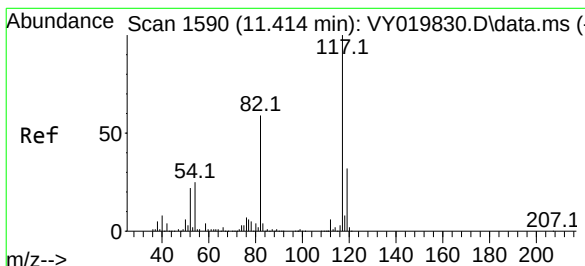
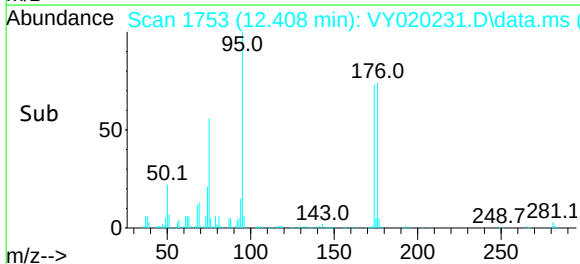
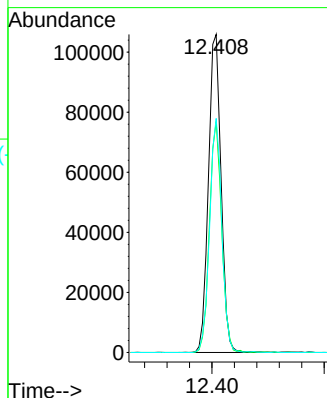
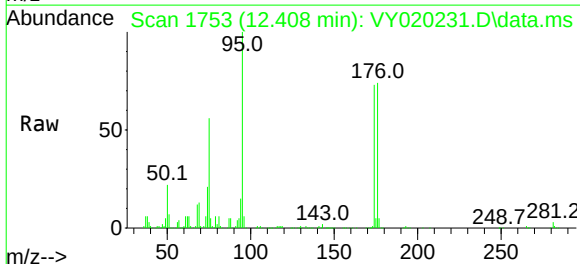
Tgt Ion: 95 Resp: 165786

Ion Ratio Lower Upper

95 100

174 70.1 0.0 175.6

176 70.7 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020231.D

Acq: 08 Nov 2024 14:25

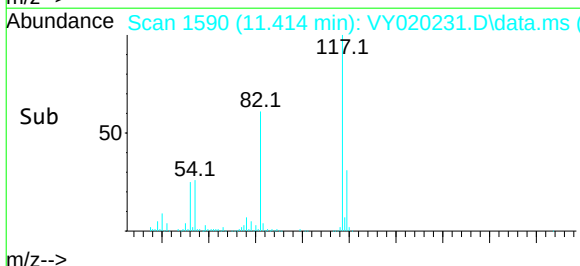
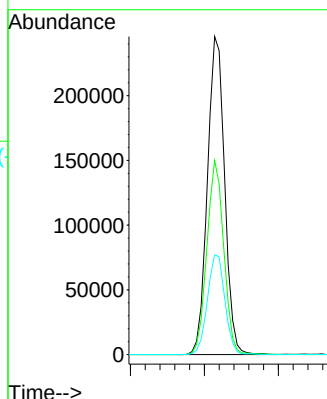
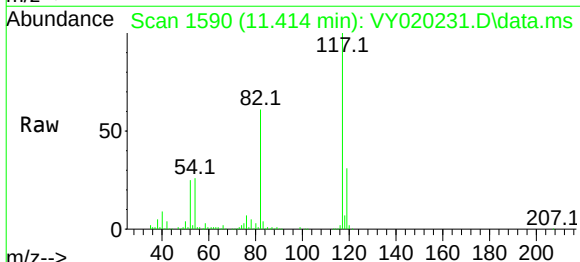
Tgt Ion: 117 Resp: 397248

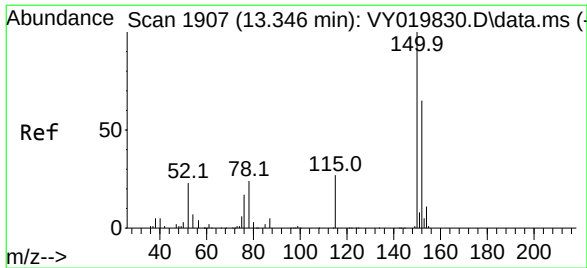
Ion Ratio Lower Upper

117 100

82 61.0 42.4 63.6

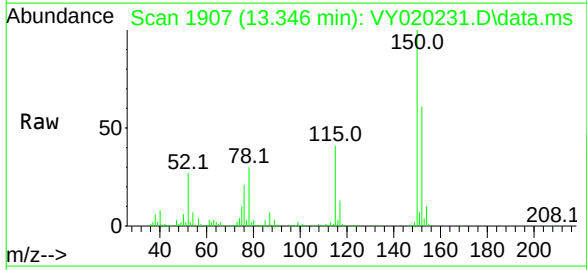
119 31.4 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 19  
 Delta R.T. 0.000 min  
 Lab File: VY020231.D  
 Acq: 08 Nov 2024 14:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P-2



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 140693 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 64.5  | 28.2  | 84.7   |
| 150      | 159.0 | 0.0   | 345.6  |

