

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081721\  
 Data File : VY005706.D  
 Acq On : 17 Aug 2021 11:34  
 Operator : SY/MD  
 Sample : VY0817SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0817SBL01

Quant Time: Aug 18 01:50:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 200126   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 334436   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 340317   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 172304   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 126050   | 62.223   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 124.440% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 102018   | 54.484   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.960% |
| 50) Toluene-d8              | 10.185 | 98    | 431375   | 54.932   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.860% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 150397   | 57.835   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 115.660% |

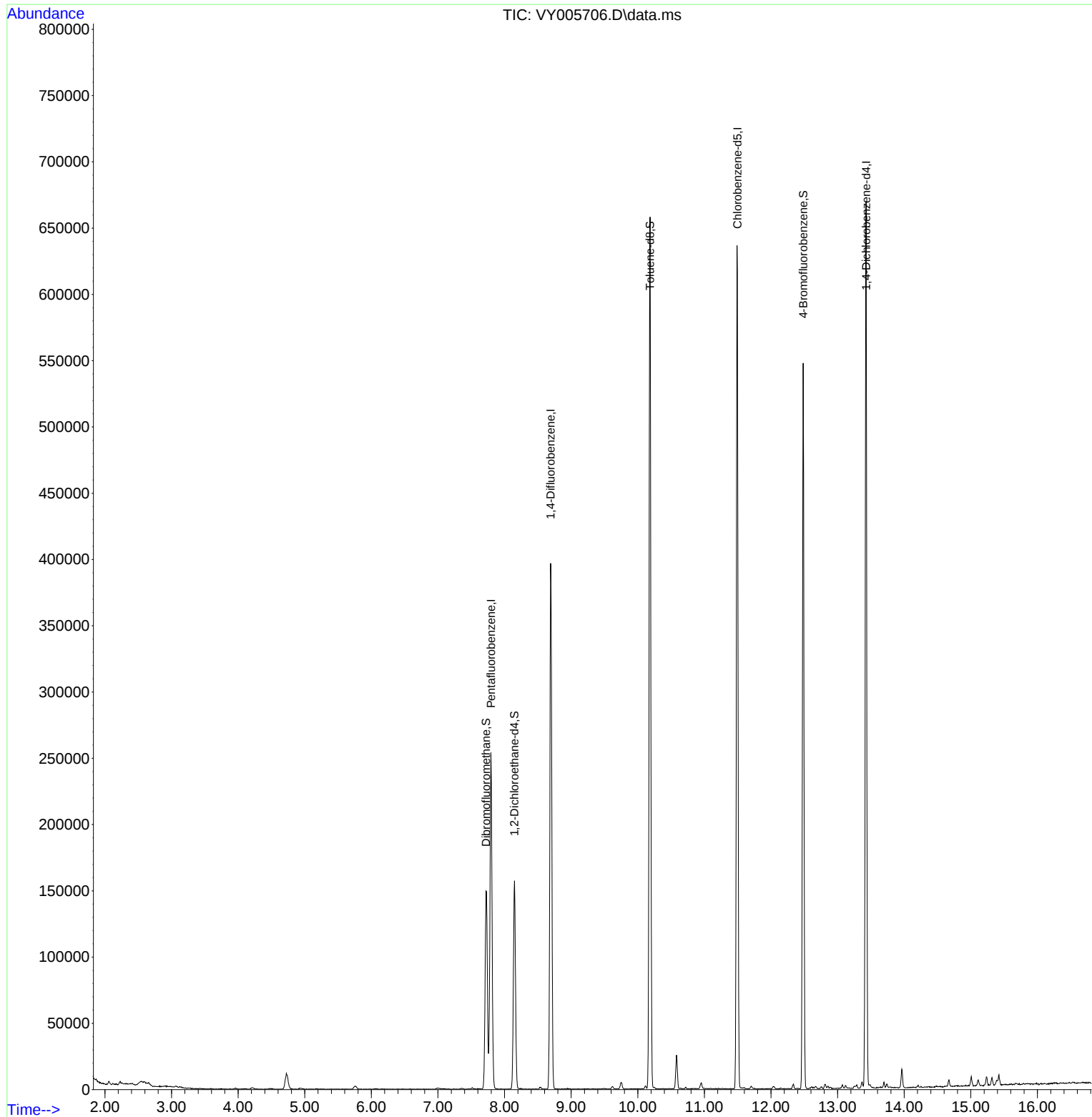
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

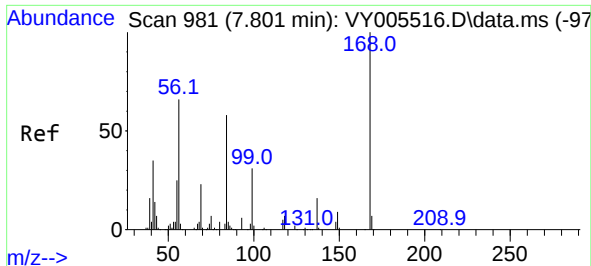
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY0817SBL01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0817SBL01

Quant Time: Aug 18 01:50:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

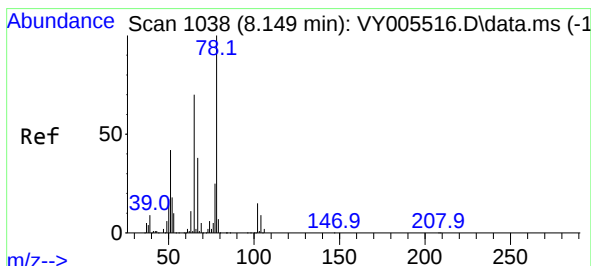
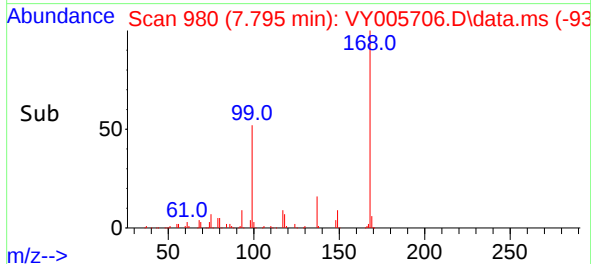
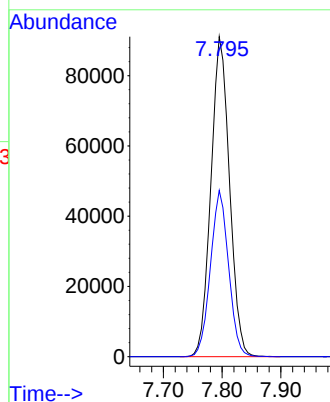
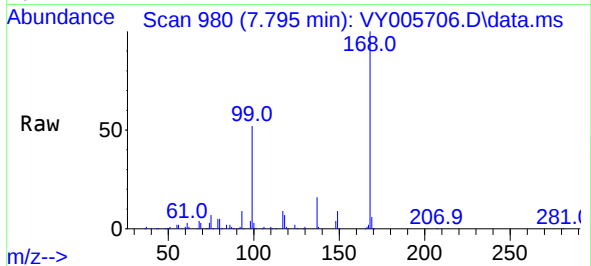




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

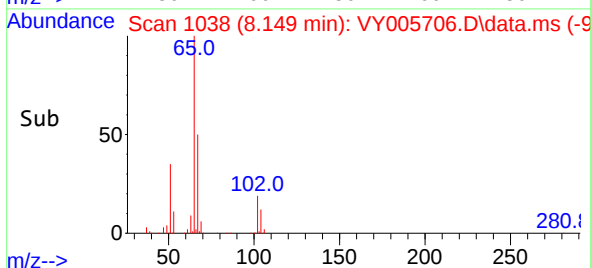
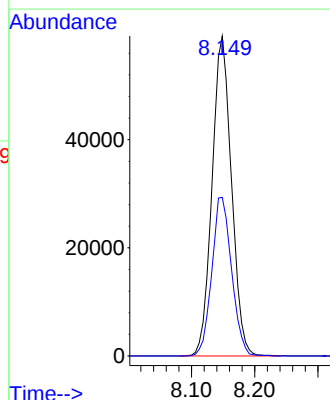
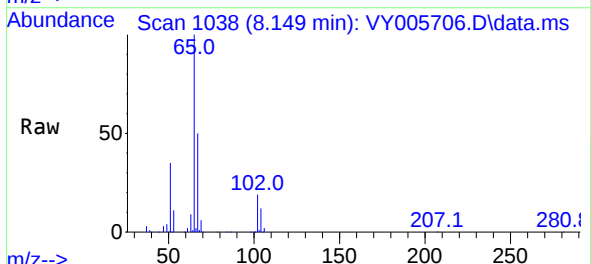
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0817SBL01

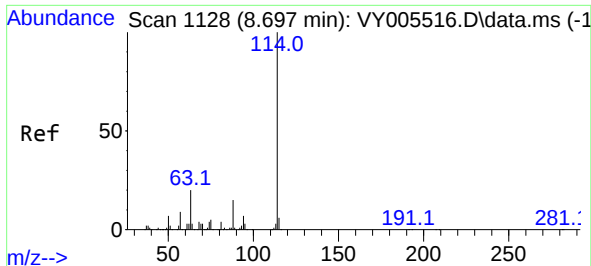
Tgt Ion:168 Resp: 200126  
Ion Ratio Lower Upper  
168 100  
99 52.0 38.9 58.3



#33  
1,2-Dichloroethane-d4  
Concen: 62.223 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

Tgt Ion: 65 Resp: 126050  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 103.4

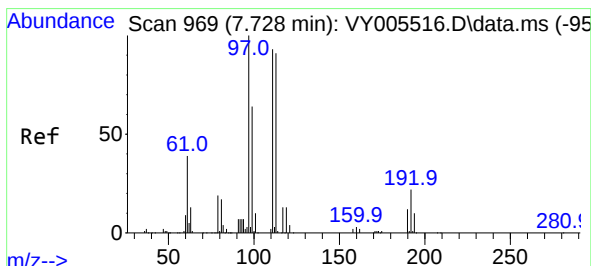
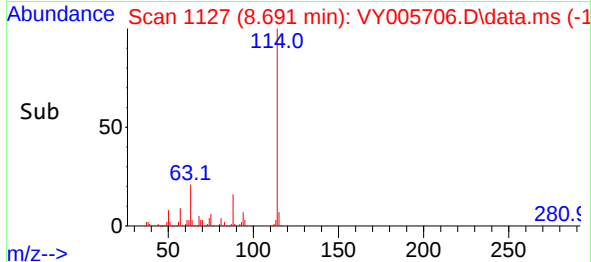
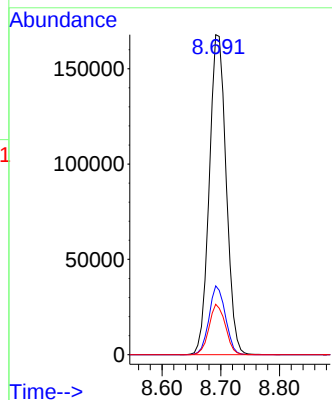
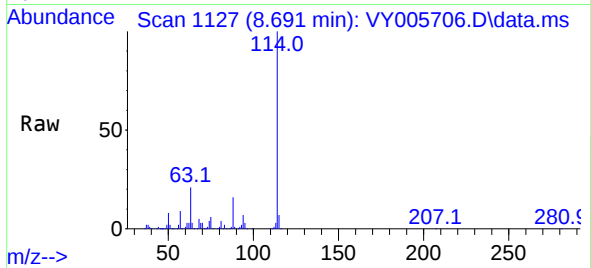




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

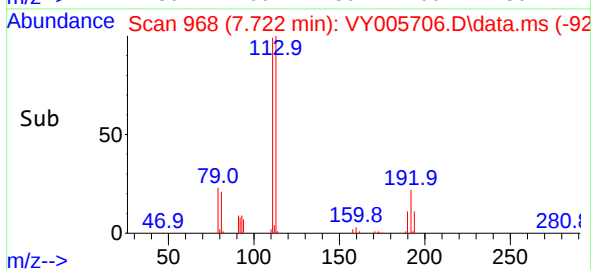
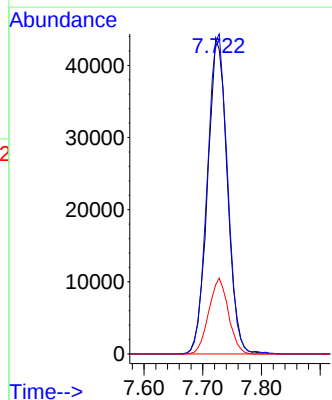
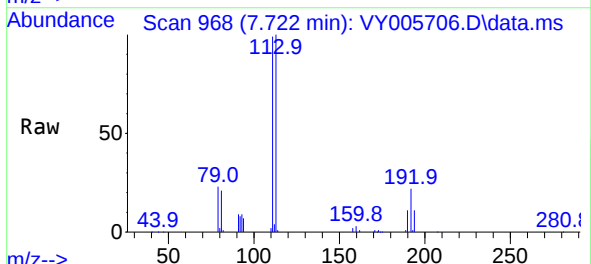
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0817SBL01

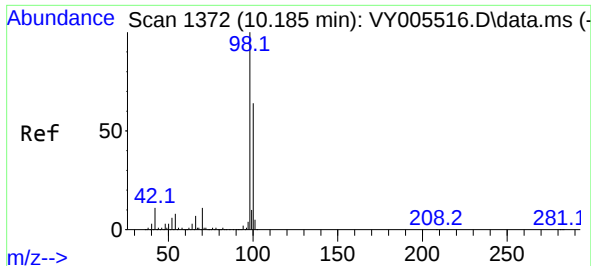
Tgt Ion:114 Resp: 334436  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 39.2  
88 15.8 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 54.484 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

Tgt Ion:113 Resp: 102018  
Ion Ratio Lower Upper  
113 100  
111 103.6 81.9 122.9  
192 23.8 19.2 28.8

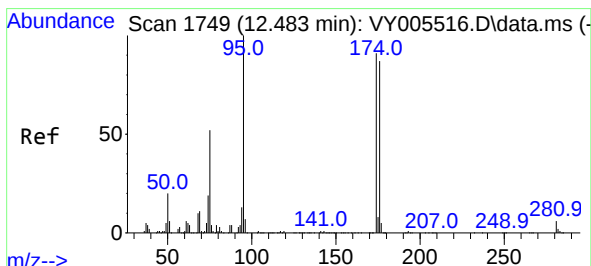
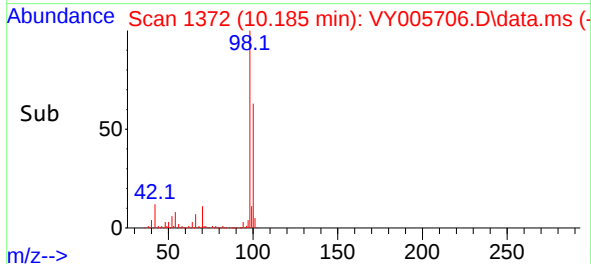
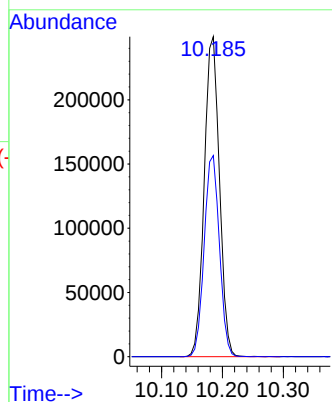
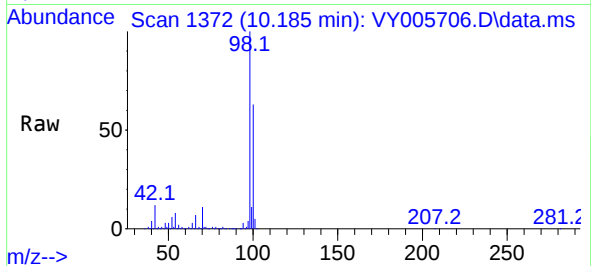




#50  
Toluene-d8  
Concen: 54.932 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

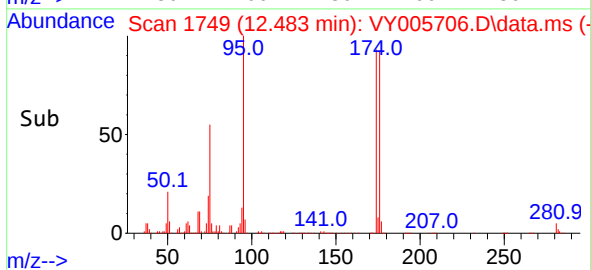
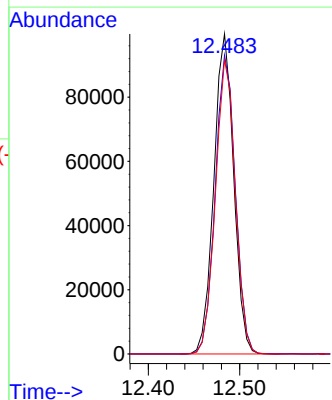
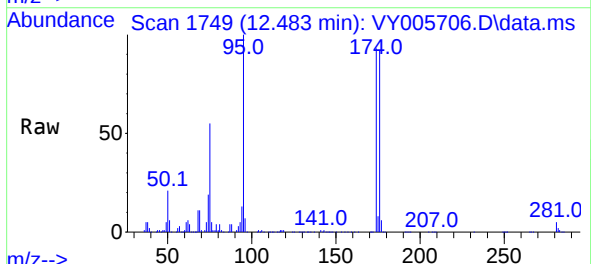
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0817SBL01

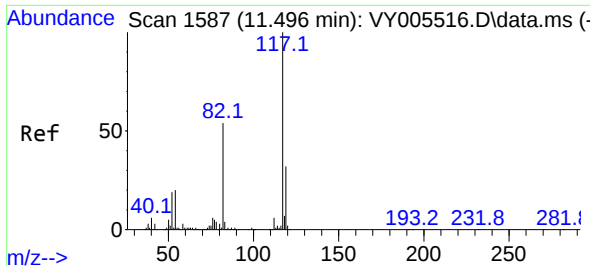
Tgt Ion: 98 Resp: 431375  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 57.835 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

Tgt Ion: 95 Resp: 150397  
Ion Ratio Lower Upper  
95 100  
174 94.6 0.0 191.4  
176 92.1 0.0 183.6

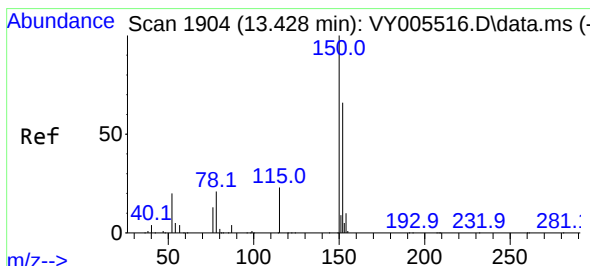
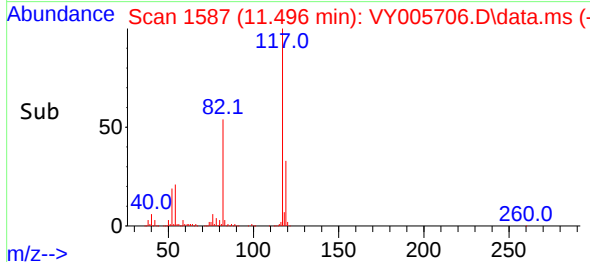
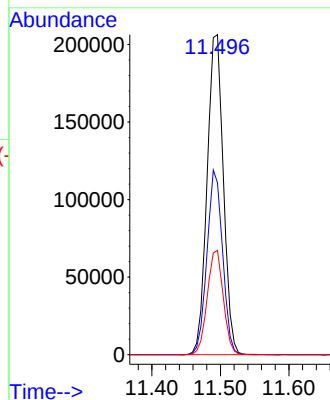
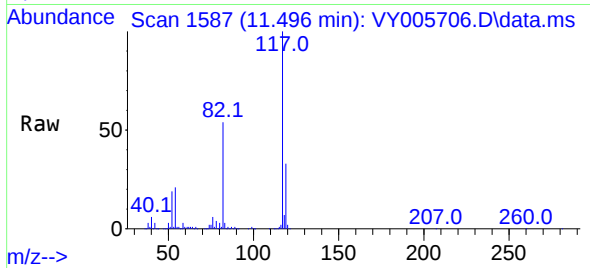




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0817SBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 340317 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 53.7  | 43.5  | 65.3   |
| 119      | 32.6  | 25.5  | 38.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005706.D  
Acq: 17 Aug 2021 11:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 172304 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 53.8  | 27.3  | 81.9   |
| 150      | 155.7 | 0.0   | 350.2  |

