

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110323\  
 Data File : VY016209.D  
 Acq On : 03 Nov 2023 12:49  
 Operator : SY/MD  
 Sample : 05207-02  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC

Quant Time: Nov 03 23:01:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

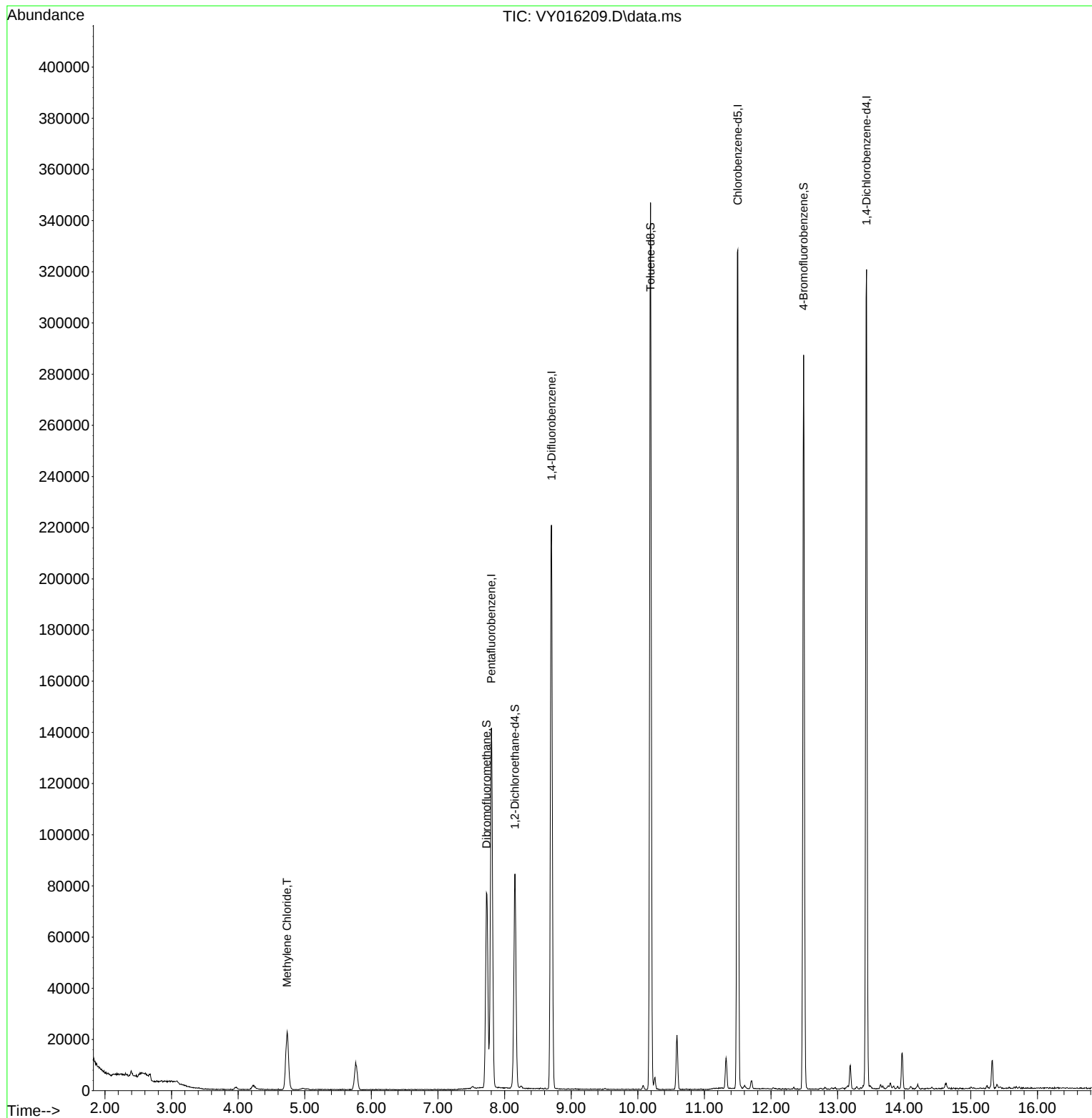
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 111597   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 196108   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 184673   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 84603    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 65042    | 62.286   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 124.580% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 55865    | 47.783   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 95.560%  |
| 50) Toluene-d8              | 10.191 | 98    | 230355   | 49.695   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.380%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 79510    | 50.162   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 100.320% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 4.735  | 84    | 17647    | 14.449   | ug/l  | # 79     |
| -----                       |        |       |          |          |       |          |

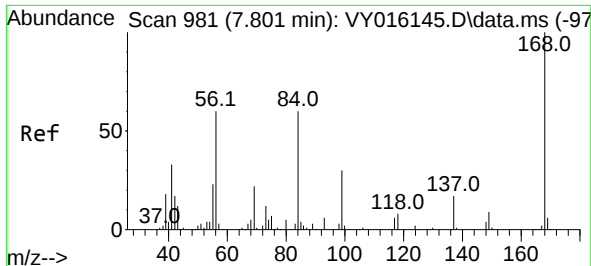
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05207-02  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

Quant Time: Nov 03 23:01:33 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 01 03:33:29 2023  
Response via : Initial Calibration

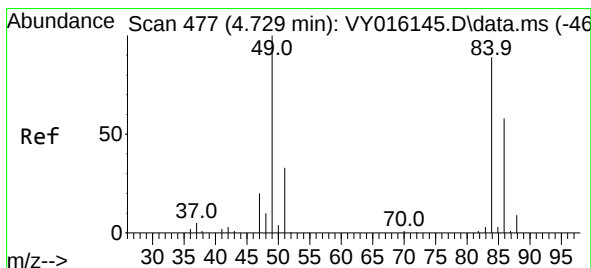
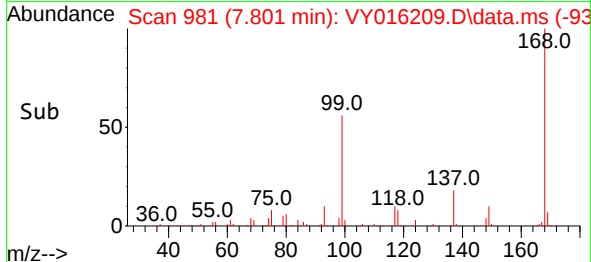
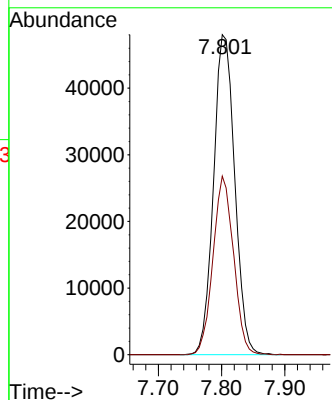
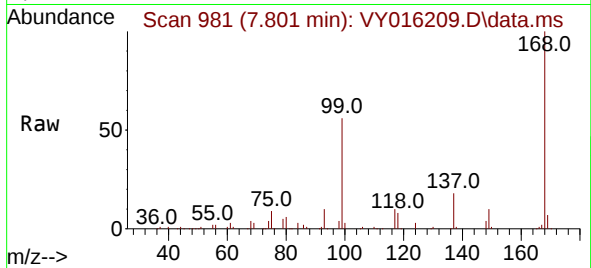




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016209.D  
Acq: 03 Nov 2023 12:49

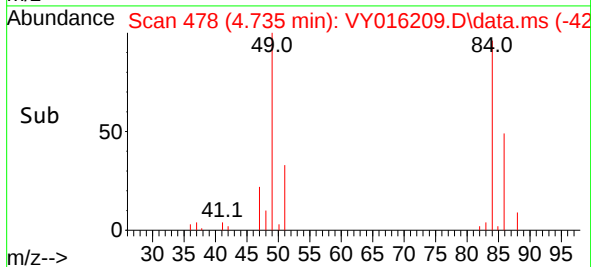
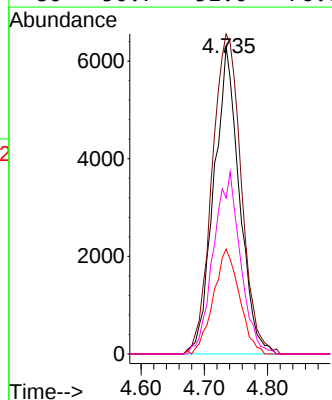
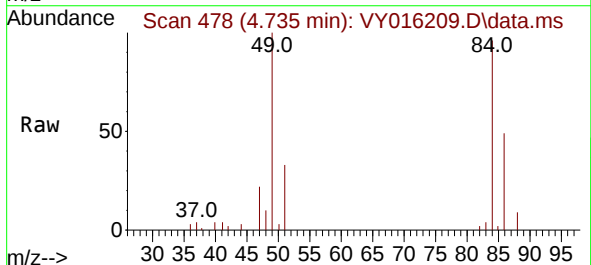
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

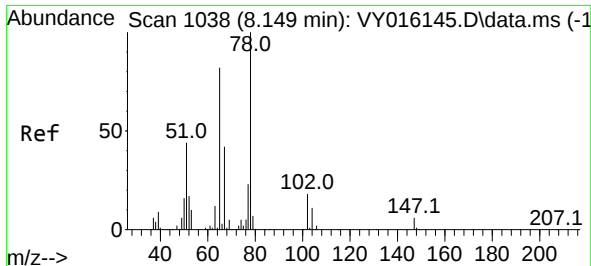
Tgt Ion:168 Resp: 111597  
Ion Ratio Lower Upper  
168 100  
99 55.8 43.4 65.0



#20  
Methylene Chloride  
Concen: 14.449 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.006 min  
Lab File: VY016209.D  
Acq: 03 Nov 2023 12:49

Tgt Ion: 84 Resp: 17647  
Ion Ratio Lower Upper  
84 100  
49 104.0 106.9 160.3#  
51 34.1 33.2 49.8  
86 50.7 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 62.286 ug/l

RT: 8.155 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016209.D

Acq: 03 Nov 2023 12:49

Instrument :

MSVOA\_Y

ClientSampleId :

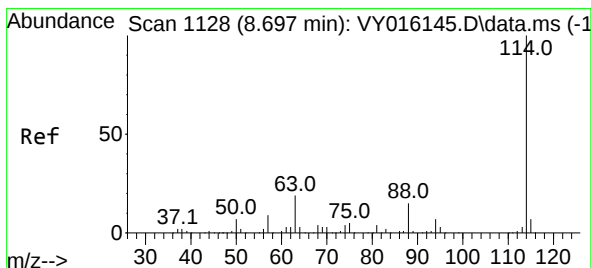
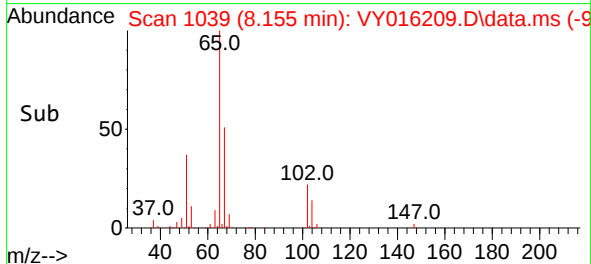
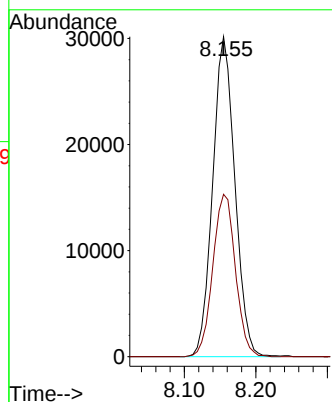
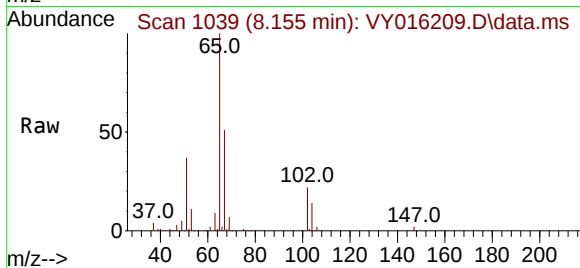
VOC

Tgt Ion: 65 Resp: 65042

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016209.D

Acq: 03 Nov 2023 12:49

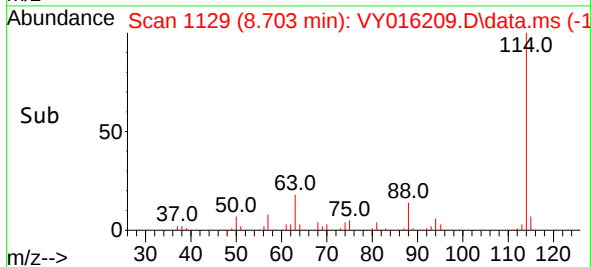
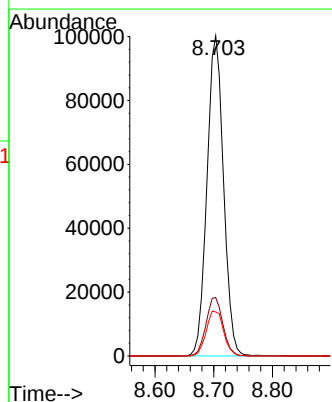
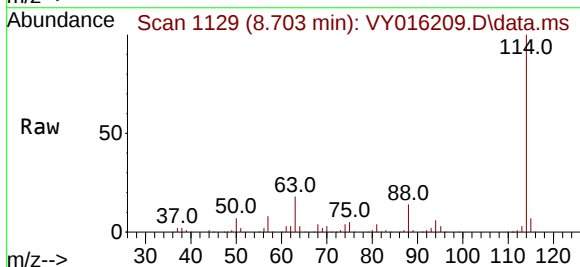
Tgt Ion: 114 Resp: 196108

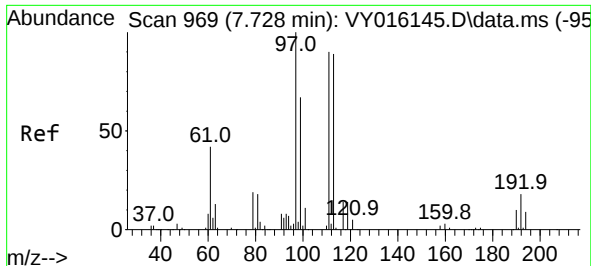
Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 13.8 0.0 30.6

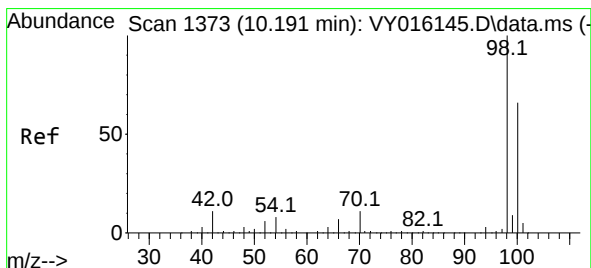
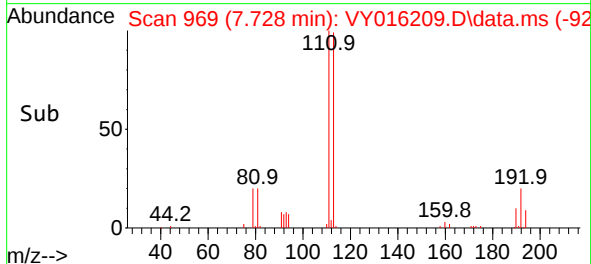
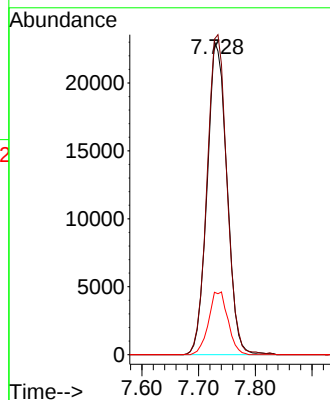
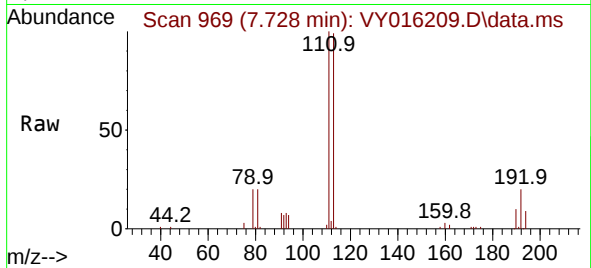




#35  
Dibromofluoromethane  
Concen: 47.783 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY016209.D  
Acq: 03 Nov 2023 12:49

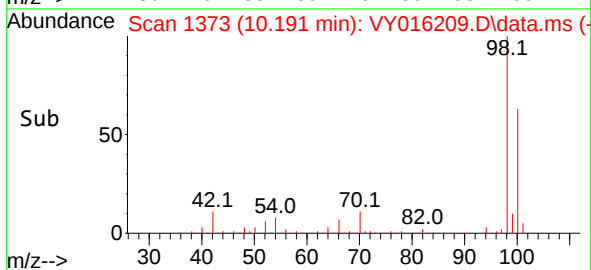
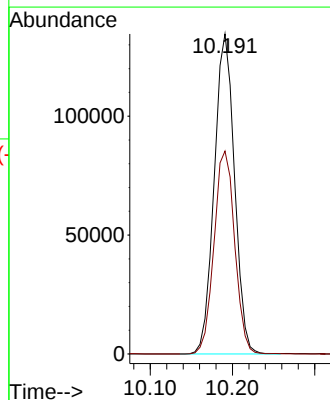
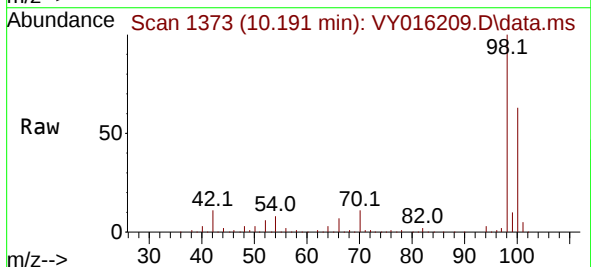
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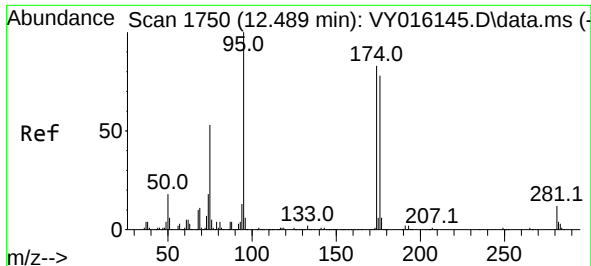
Tgt Ion:113 Resp: 55865  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.3 121.9  
192 19.7 16.9 25.3



#50  
Toluene-d8  
Concen: 49.695 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: VY016209.D  
Acq: 03 Nov 2023 12:49

Tgt Ion: 98 Resp: 230355  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.1 75.1

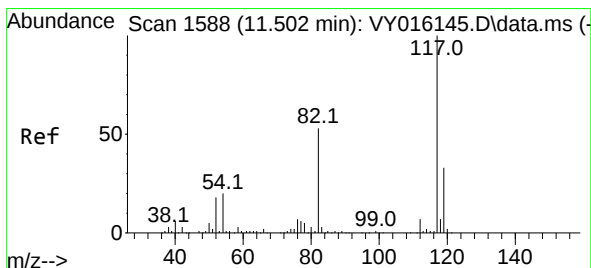
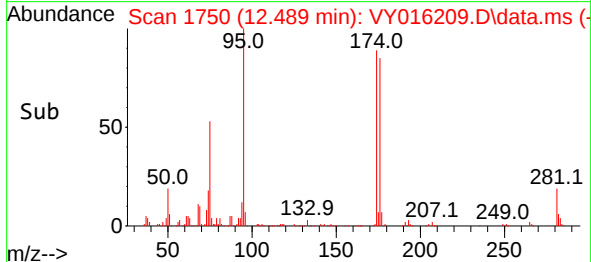
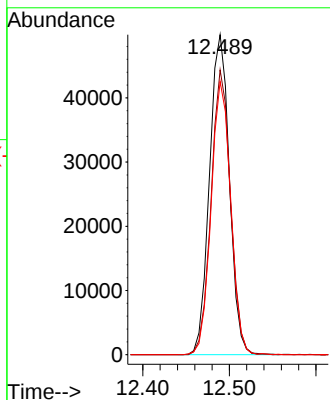
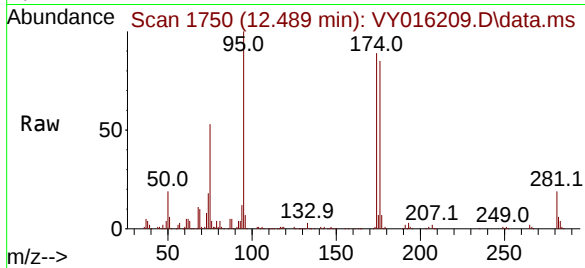




#62  
4-Bromofluorobenzene  
Concen: 50.162 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016209.D  
Acq: 03 Nov 2023 12:49

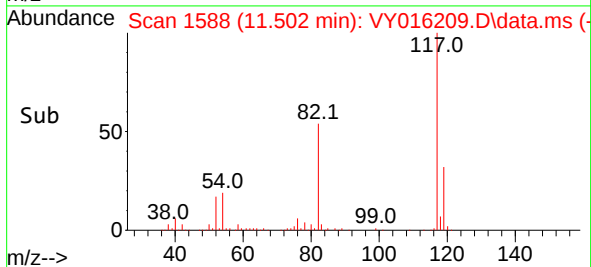
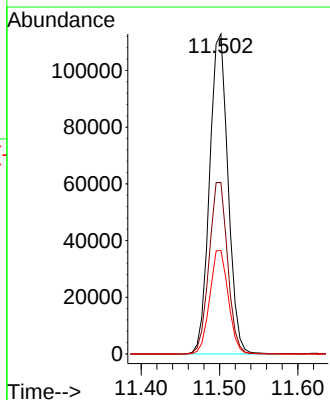
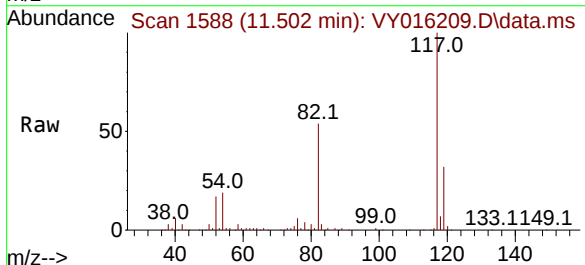
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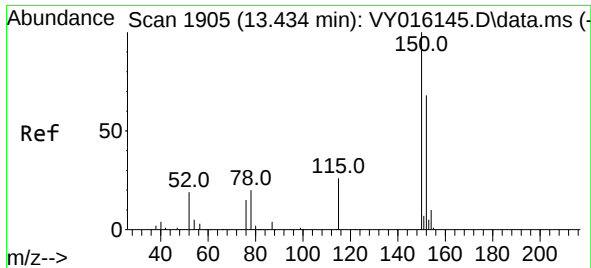
Tgt Ion: 95 Resp: 79510  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 178.2  
176 84.1 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016209.D  
Acq: 03 Nov 2023 12:49

Tgt Ion: 117 Resp: 184673  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.4 65.0  
119 32.4 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. -0.000 min  
 Lab File: VY016209.D  
 Acq: 03 Nov 2023 12:49

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.0  | 28.8  | 86.5  |
| 150     | 155.2 | 0.0   | 348.8 |

