

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112723\  
 Data File : VY016506.D  
 Acq On : 27 Nov 2023 13:51  
 Operator : SY/MD  
 Sample : 05521-06  
 Misc : 5.43g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-2-GRAB

Quant Time: Nov 28 00:16:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 97316    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 169828   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 162211   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 70855    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 55095    | 61.944   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 123.880% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 54231    | 56.214   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.420% |
| 50) Toluene-d8              | 10.191 | 98    | 198298   | 50.687   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.380% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 66227    | 52.122   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.240% |

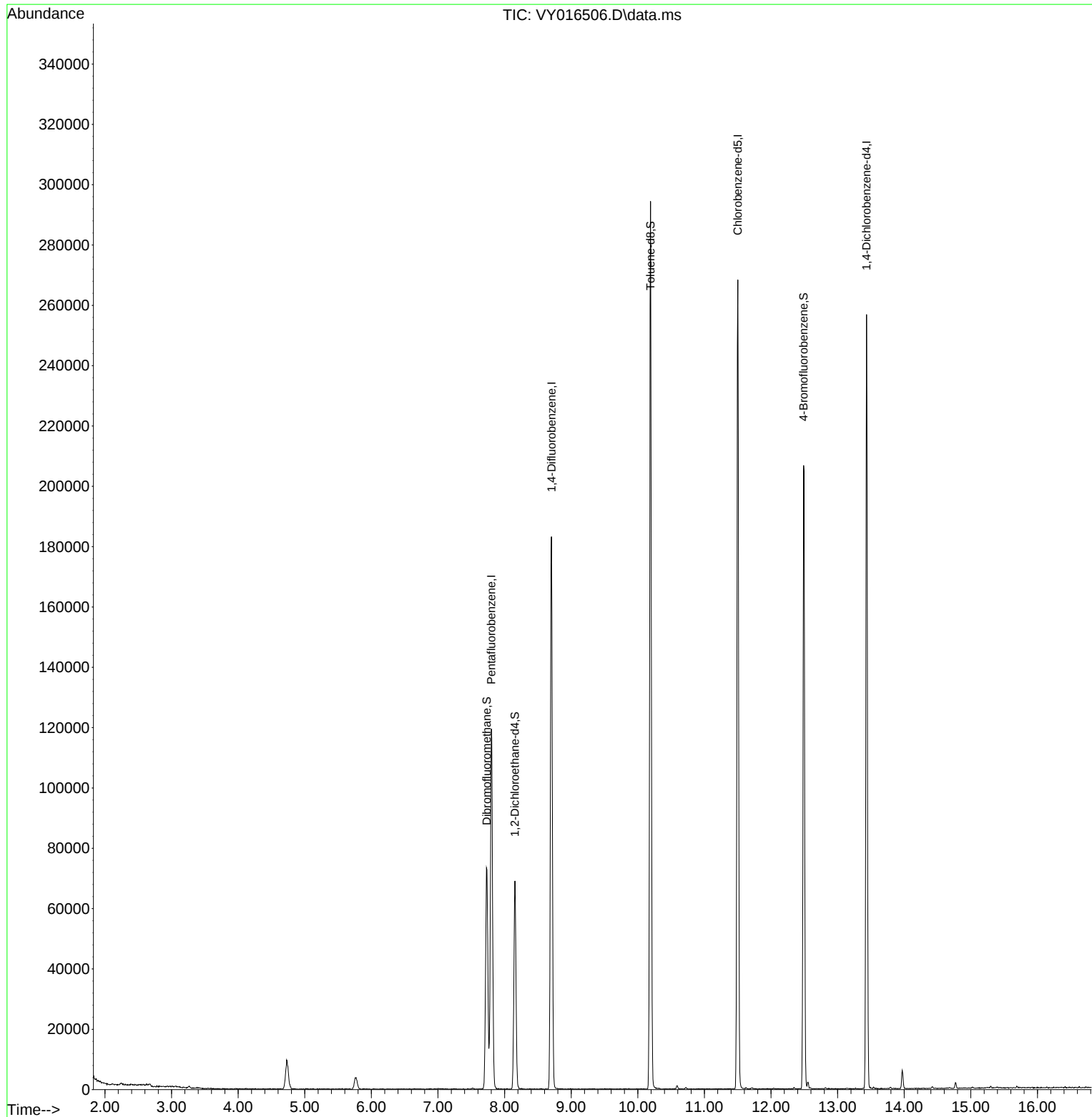
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

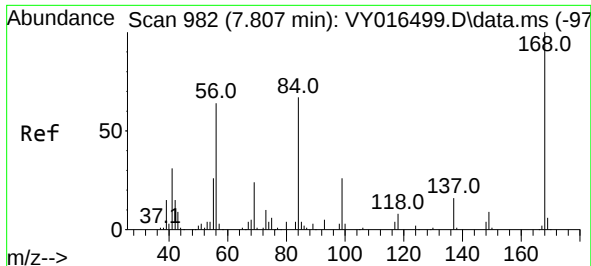
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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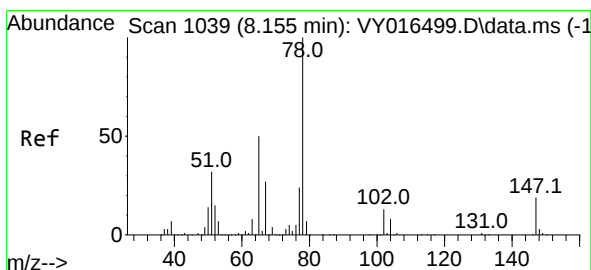
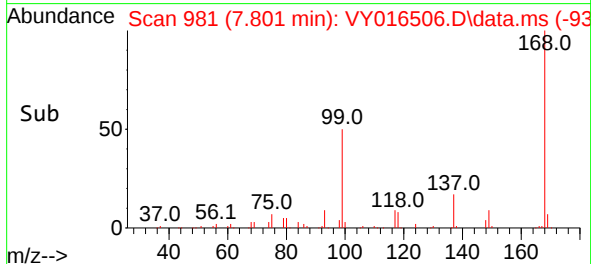
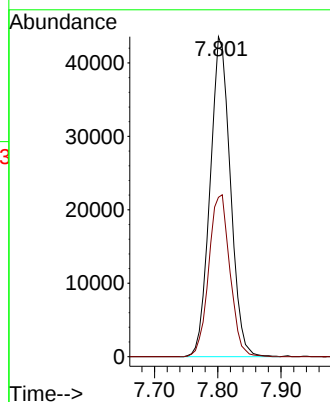
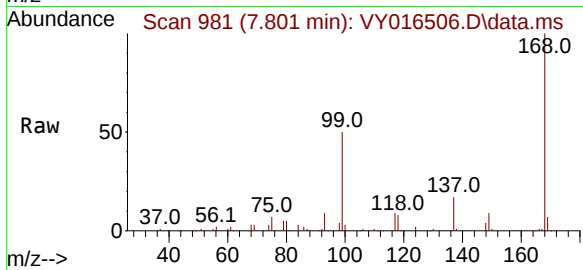




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016506.D  
Acq: 27 Nov 2023 13:51

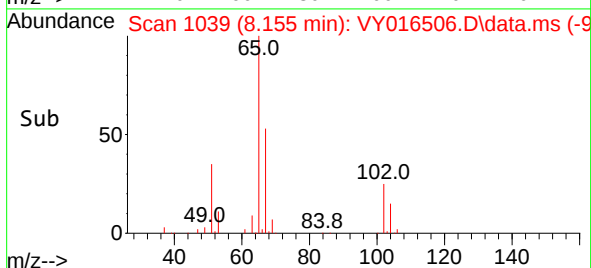
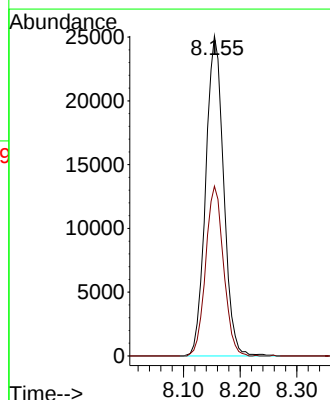
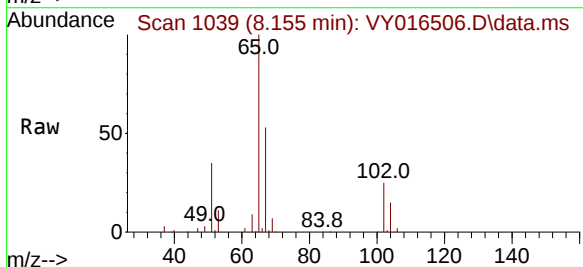
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-2-GRAB

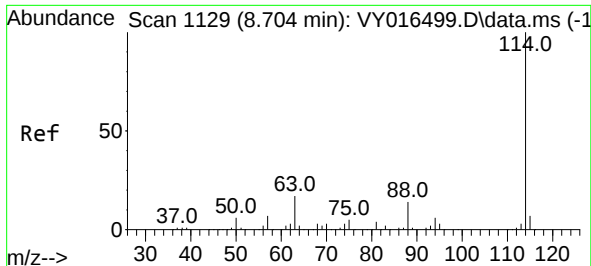
Tgt Ion:168 Resp: 97316  
Ion Ratio Lower Upper  
168 100  
99 49.8 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 61.944 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY016506.D  
Acq: 27 Nov 2023 13:51

Tgt Ion: 65 Resp: 55095  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 101.8

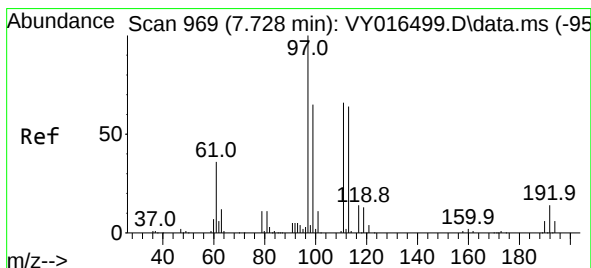
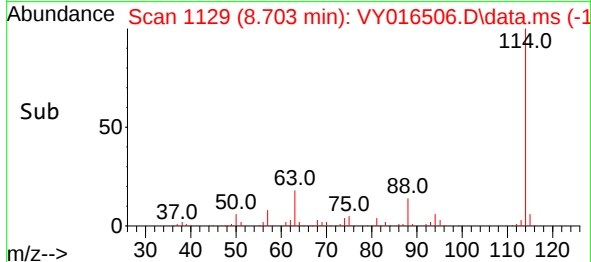
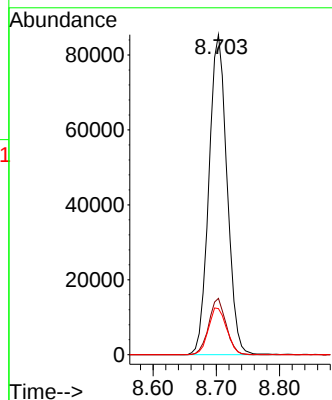
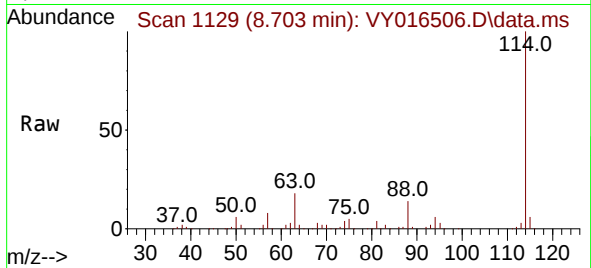




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.703 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VY016506.D  
Acq: 27 Nov 2023 13:51

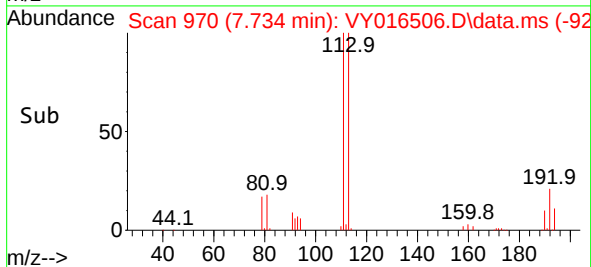
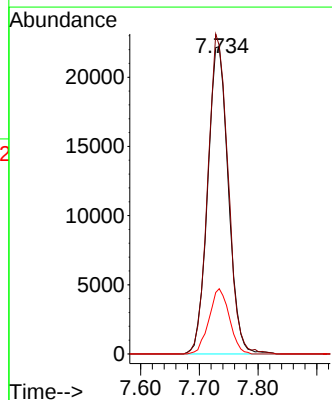
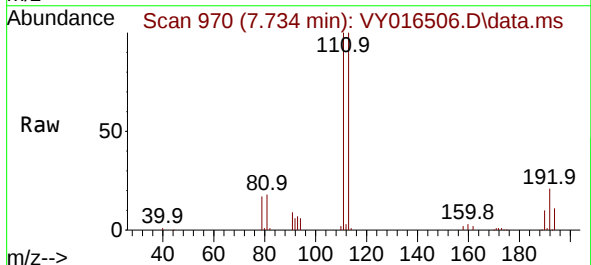
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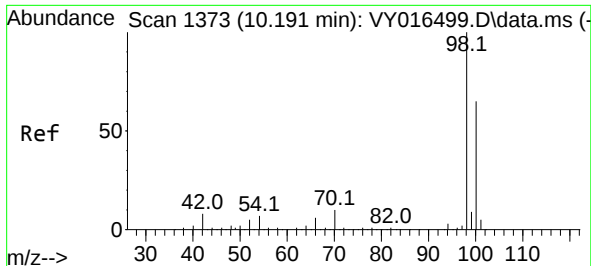
Tgt Ion:114 Resp: 169828  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 42.4  
88 14.4 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 56.214 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY016506.D  
Acq: 27 Nov 2023 13:51

Tgt Ion:113 Resp: 54231  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.3 121.9  
192 20.9 16.9 25.3

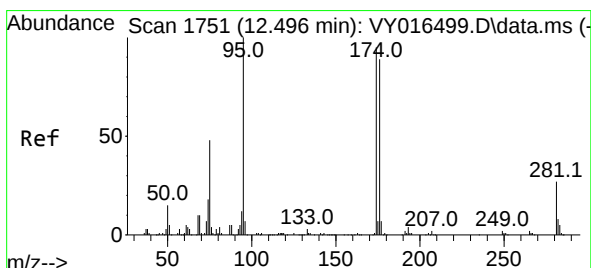
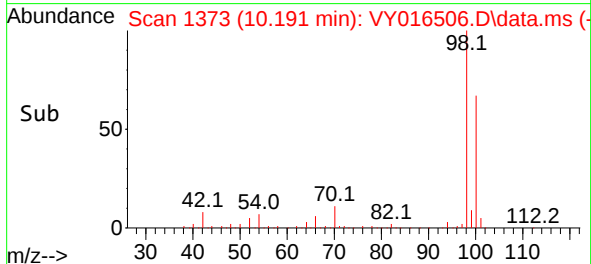
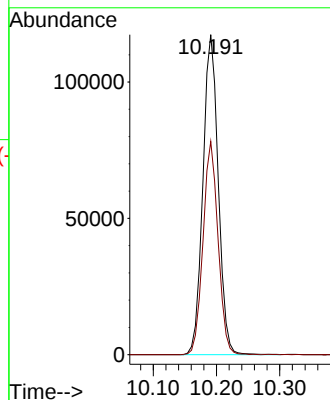
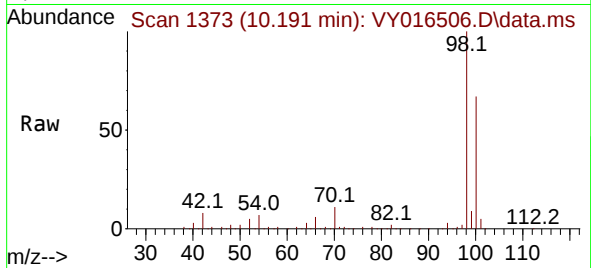




#50  
Toluene-d8  
Concen: 50.687 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016506.D  
Acq: 27 Nov 2023 13:51

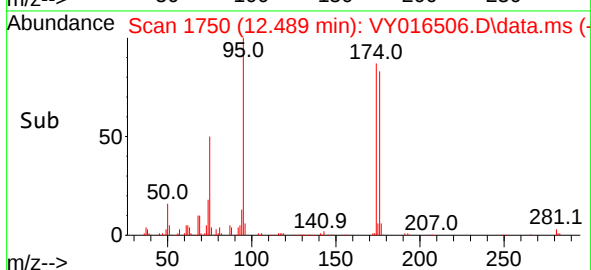
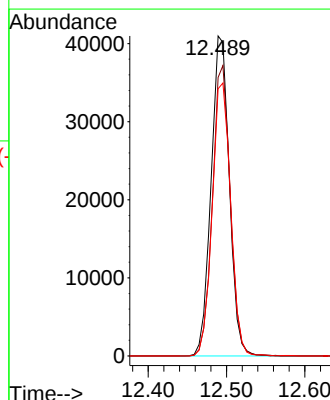
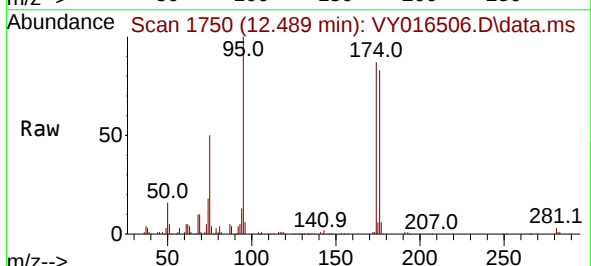
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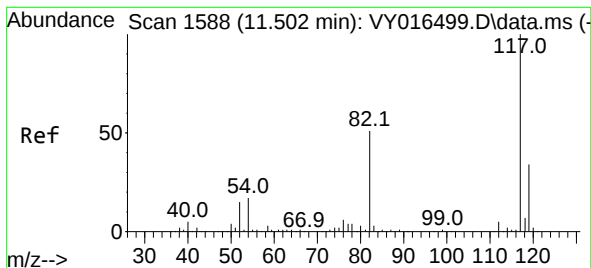
Tgt Ion: 98 Resp: 198298  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 52.122 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016506.D  
Acq: 27 Nov 2023 13:51

Tgt Ion: 95 Resp: 66227  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 178.2  
176 86.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016506.D

Acq: 27 Nov 2023 13:51

Instrument :

MSVOA\_Y

ClientSampleId :

SP-2-GRAB

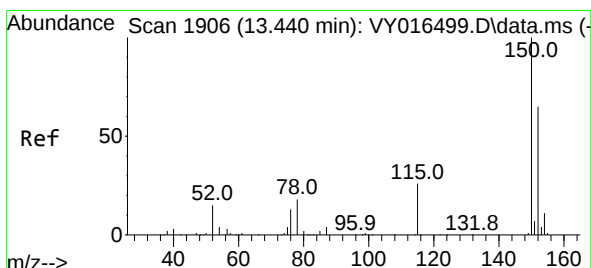
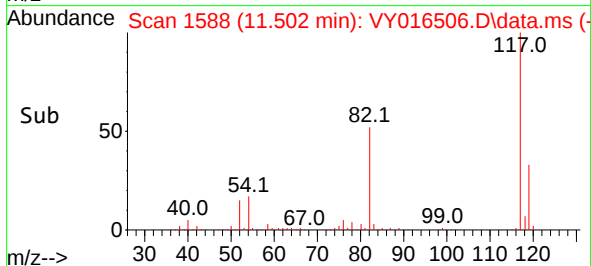
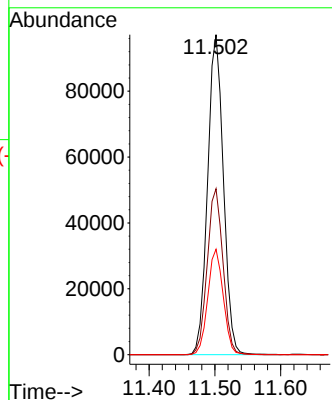
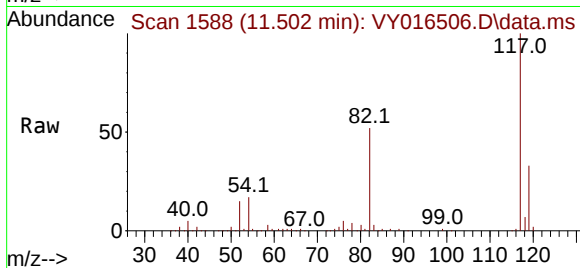
Tgt Ion:117 Resp: 162211

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.9 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: VY016506.D

Acq: 27 Nov 2023 13:51

Tgt Ion:152 Resp: 70855

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 157.6 0.0 348.8

