

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111023\  
 Data File : VY016305.D  
 Acq On : 10 Nov 2023 13:58  
 Operator : SY/MD  
 Sample : 05351-01  
 Misc : 4.12 g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-241

Quant Time: Nov 10 22:21:28 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  | 100699   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 178056   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 170093   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 78625    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 61042    | 66.325   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.640% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 55183    | 54.557   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.120% |
| 50) Toluene-d8              | 10.191 | 98    | 208274   | 50.777   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.560% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 72257    | 54.240   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 108.480% |

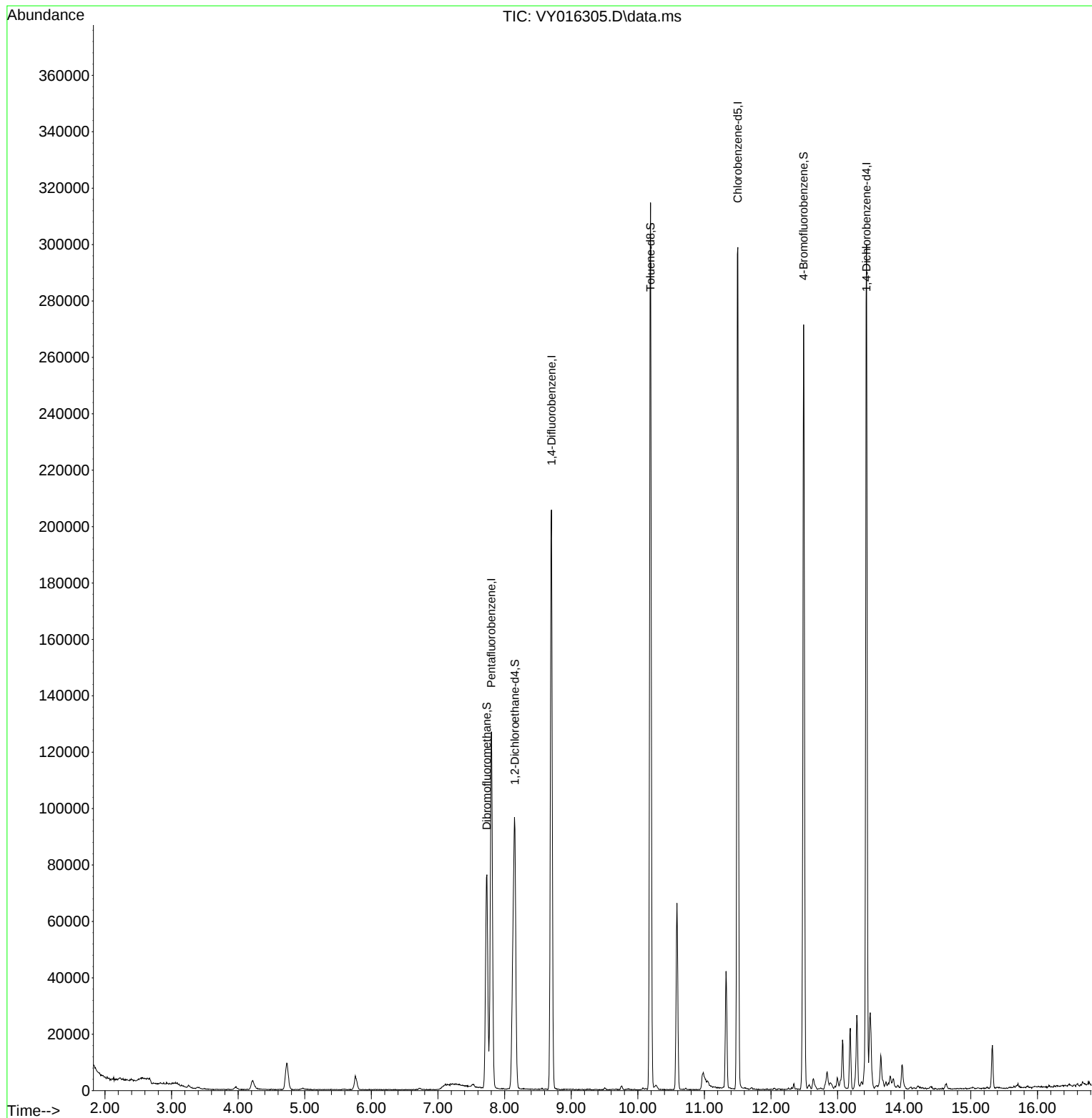
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

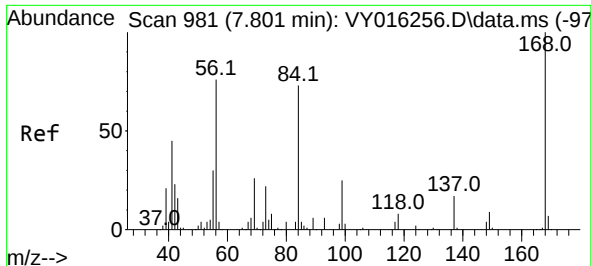
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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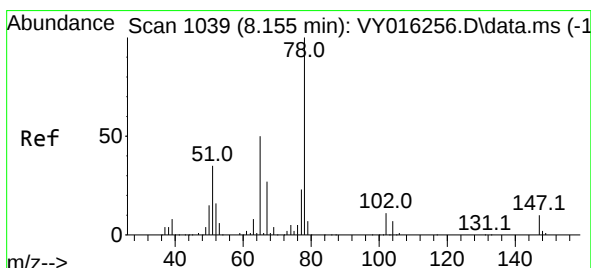
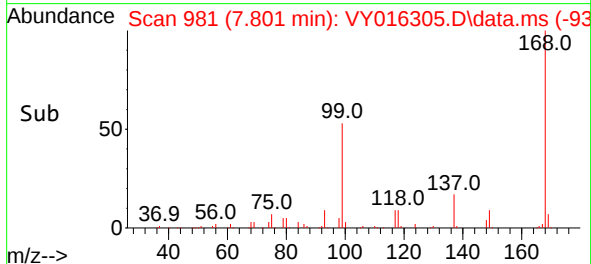
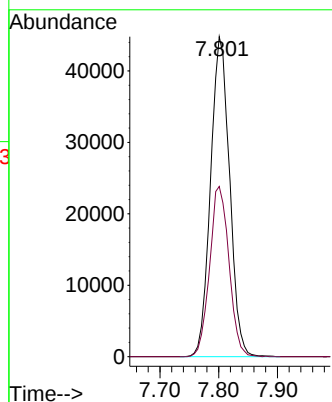
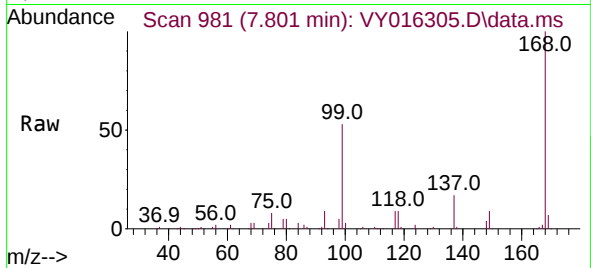




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016305.D  
Acq: 10 Nov 2023 13:58

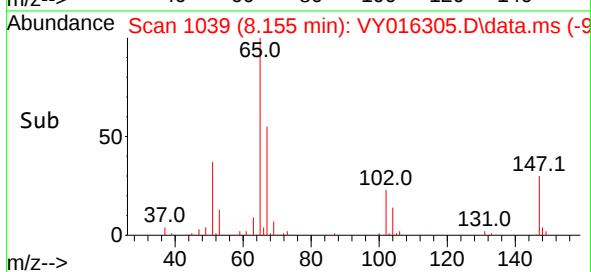
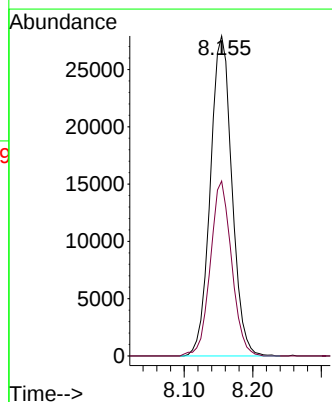
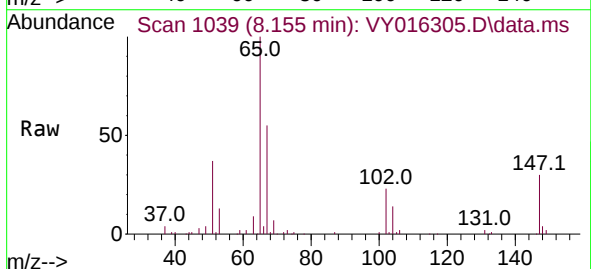
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-241

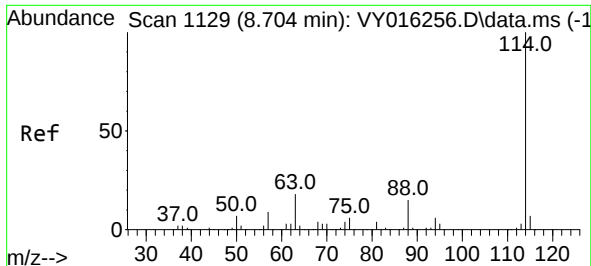
Tgt Ion:168 Resp: 100699  
Ion Ratio Lower Upper  
168 100  
99 53.2 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 66.325 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY016305.D  
Acq: 10 Nov 2023 13:58

Tgt Ion: 65 Resp: 61042  
Ion Ratio Lower Upper  
65 100  
67 53.8 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: VY016305.D

Acq: 10 Nov 2023 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-241

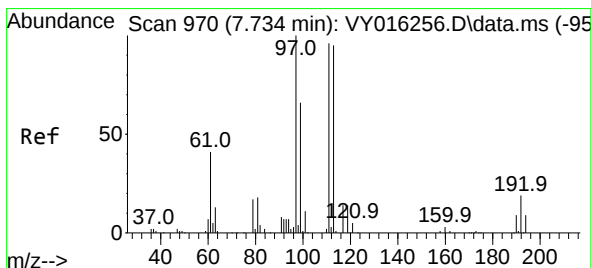
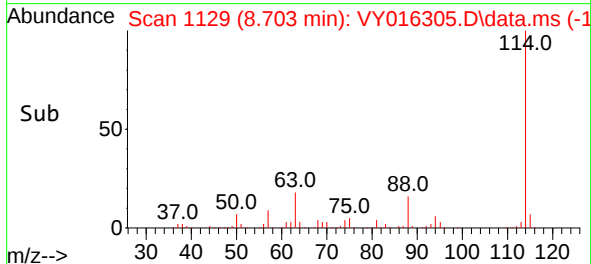
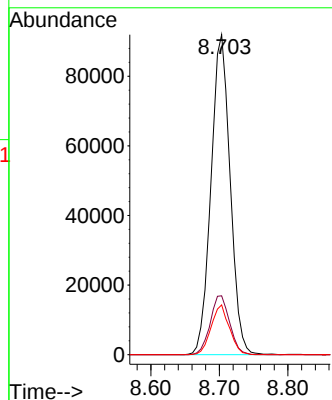
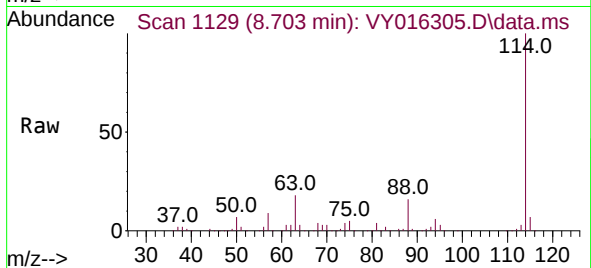
Tgt Ion:114 Resp: 178056

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.557 ug/l

RT: 7.734 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY016305.D

Acq: 10 Nov 2023 13:58

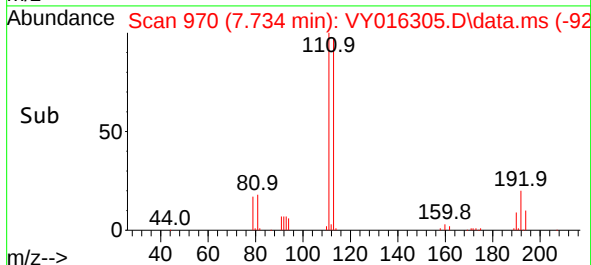
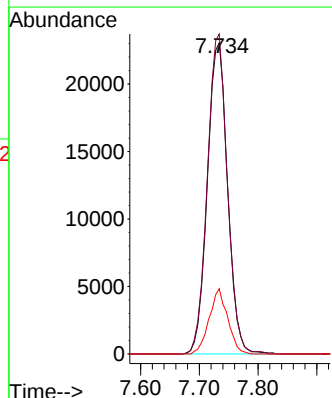
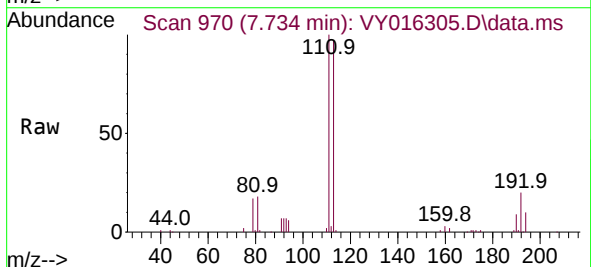
Tgt Ion:113 Resp: 55183

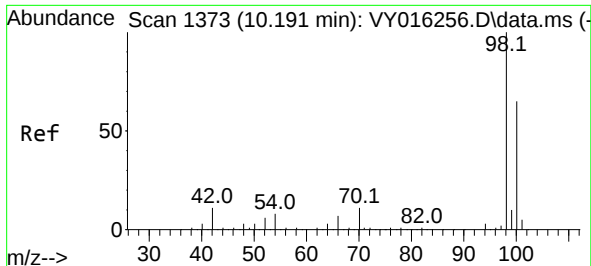
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 19.2 16.9 25.3

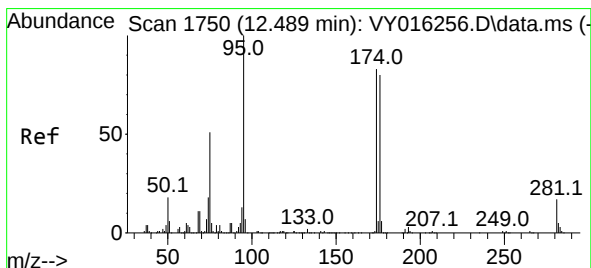
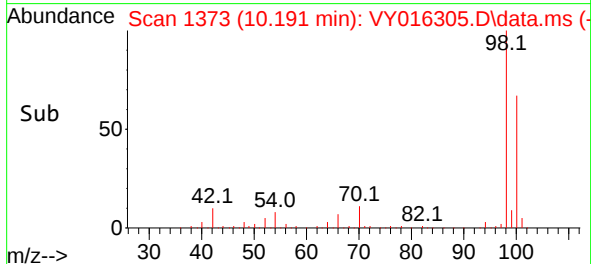
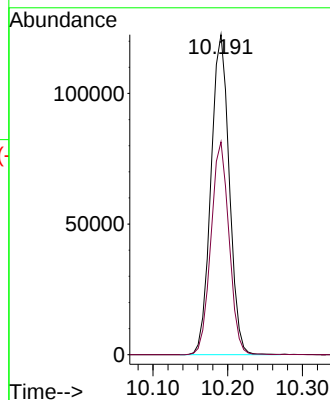
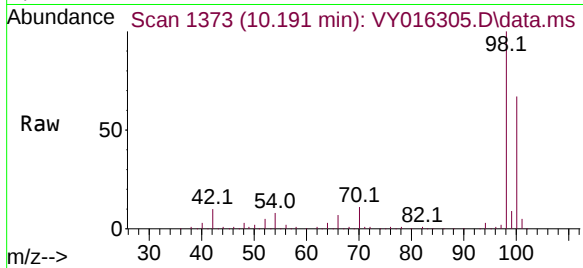




#50  
Toluene-d8  
Concen: 50.777 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY016305.D  
Acq: 10 Nov 2023 13:58

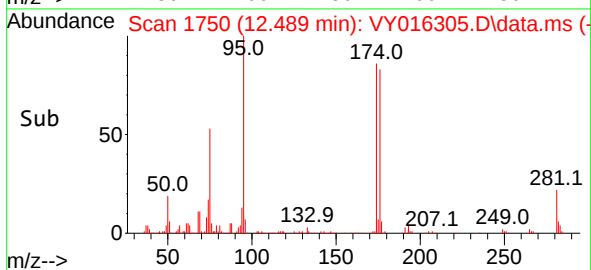
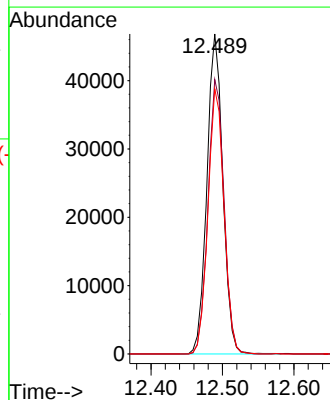
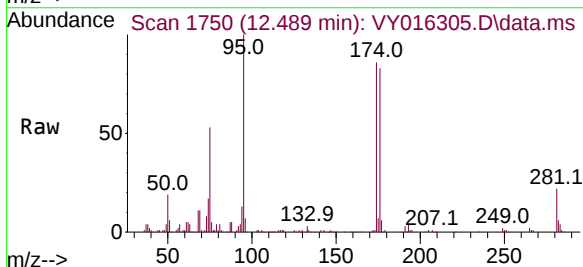
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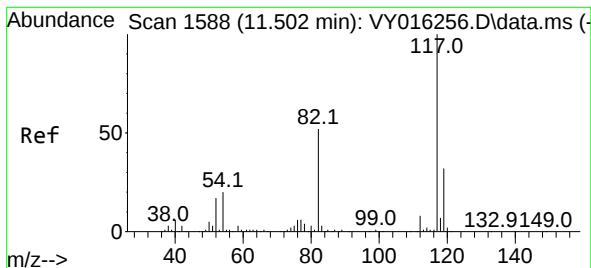
Tgt Ion: 98 Resp: 208274  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 54.240 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016305.D  
Acq: 10 Nov 2023 13:58

Tgt Ion: 95 Resp: 72257  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 178.2  
176 83.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016305.D

Acq: 10 Nov 2023 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-241

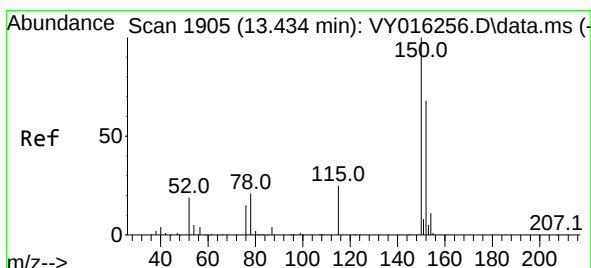
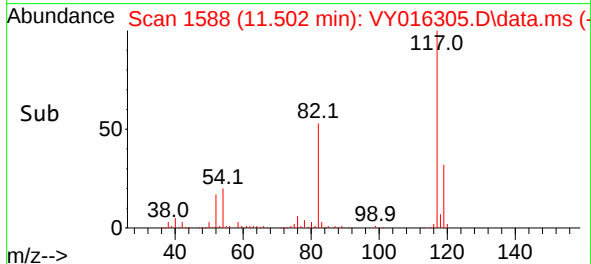
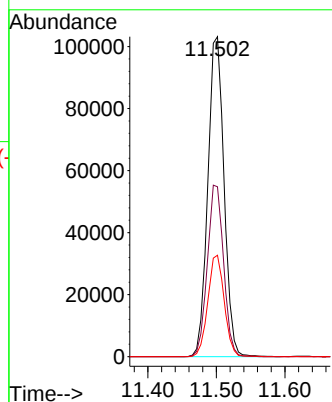
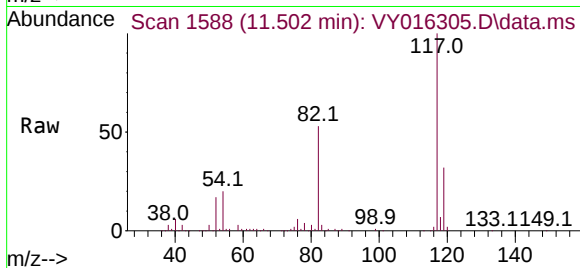
Tgt Ion:117 Resp: 170093

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.7 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: VY016305.D

Acq: 10 Nov 2023 13:58

Tgt Ion:152 Resp: 78625

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 157.0 0.0 348.8

