

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050523\  
 Data File : VY013622.D  
 Acq On : 05 May 2023 13:58  
 Operator : KP/MD  
 Sample : 02608-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-227

Quant Time: May 08 00:24:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

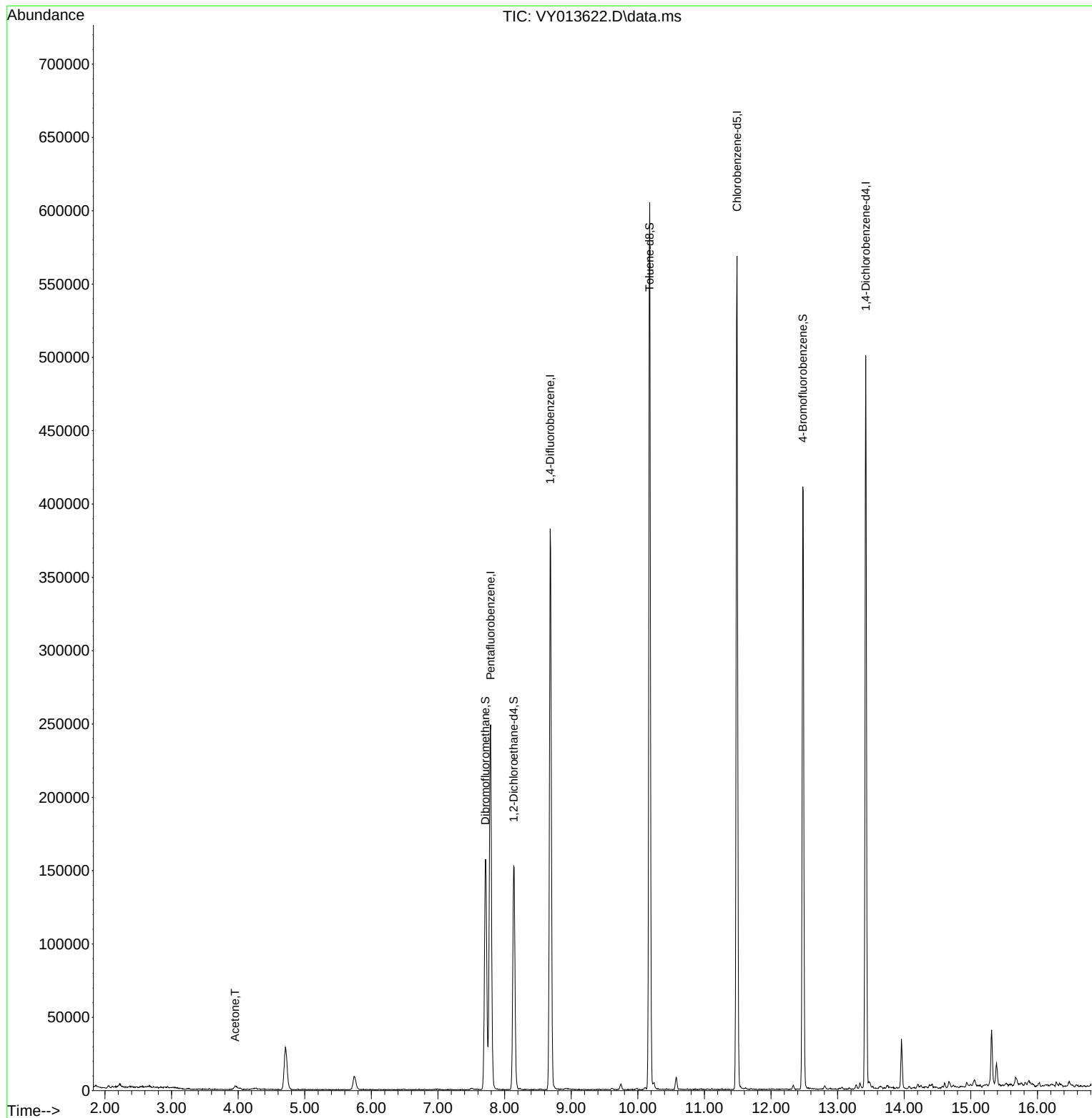
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.789  | 168   | 195709   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 320374   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 301535   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 127565   | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 127081   | 59.234   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 118.460% |             |
| 35) Dibromofluoromethane    | 7.710  | 113   | 109313   | 54.249   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 108.500% |             |
| 50) Toluene-d8              | 10.179 | 98    | 389885   | 54.391   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 108.780% |             |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 117710   | 48.709   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 97.420%  |             |
| Target Compounds            |        |       |          |          |            |             |
| 16) Acetone                 | 3.954  | 43    | 5396     | 6.387    | ug/l       | Qvalue # 68 |
| -----                       |        |       |          |          |            |             |

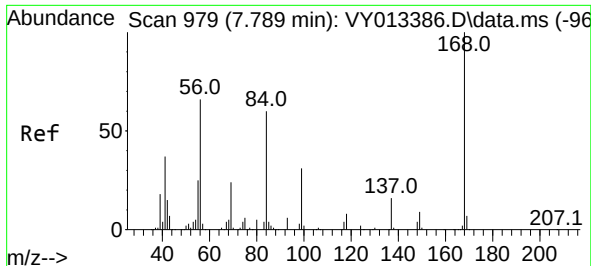
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
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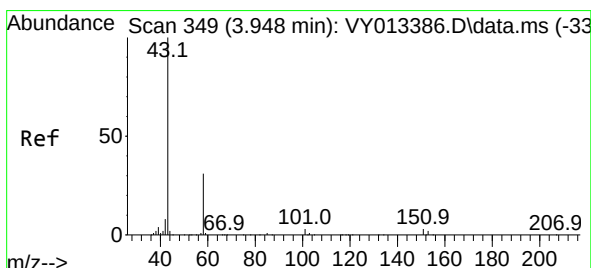
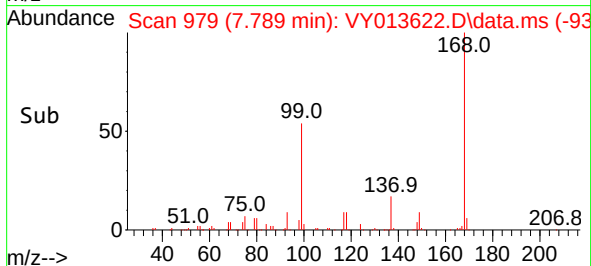
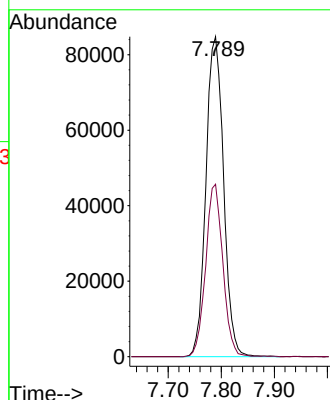
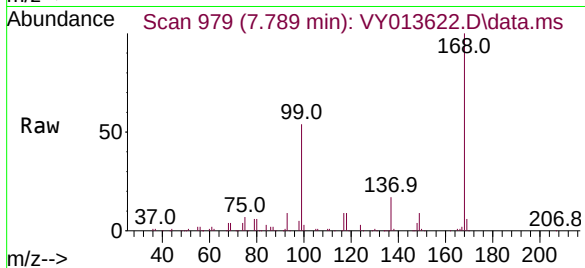




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY013622.D  
Acq: 05 May 2023 13:58

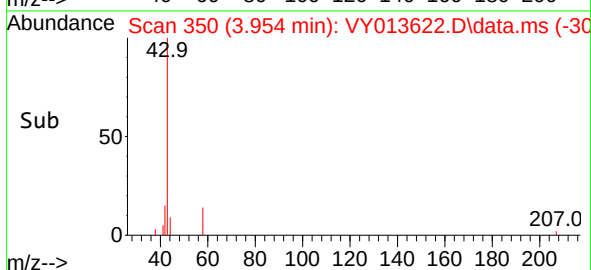
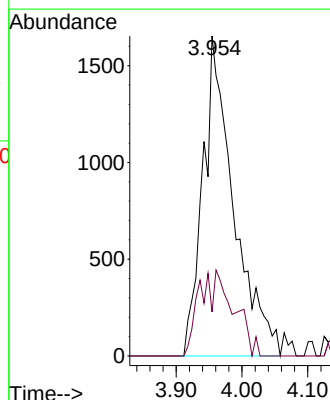
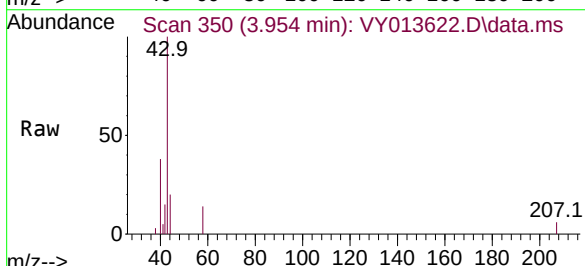
Instrument :  
MSVOA\_Y  
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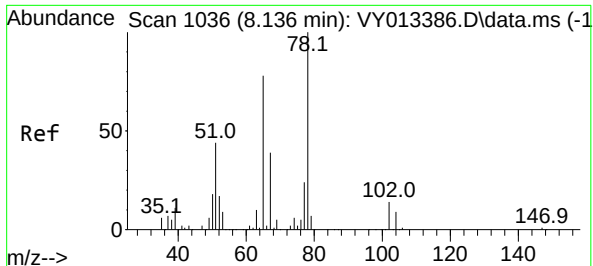
Tgt Ion:168 Resp: 195709  
Ion Ratio Lower Upper  
168 100  
99 53.9 41.8 62.6



#16  
Acetone  
Concen: 6.387 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013622.D  
Acq: 05 May 2023 13:58

Tgt Ion: 43 Resp: 5396  
Ion Ratio Lower Upper  
43 100  
58 13.7 25.4 38.0#





#33

1,2-Dichloroethane-d4

Concen: 59.234 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY013622.D

Acq: 05 May 2023 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

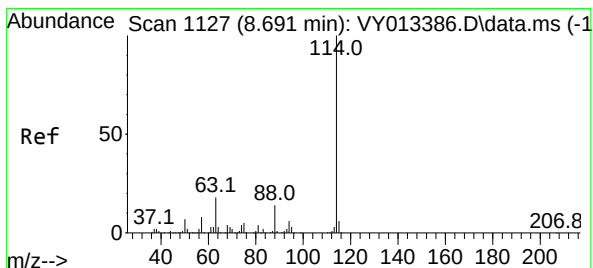
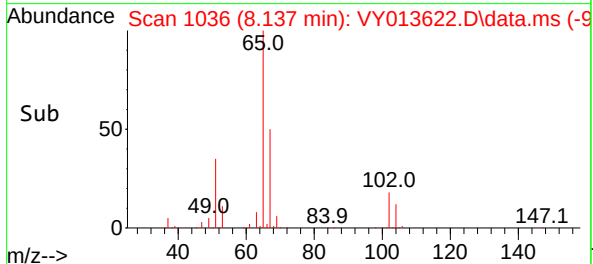
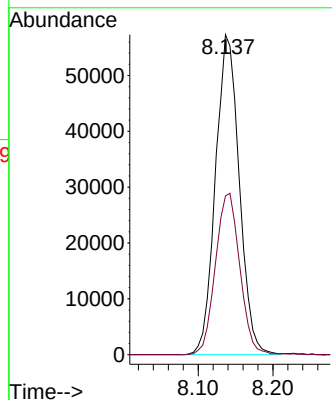
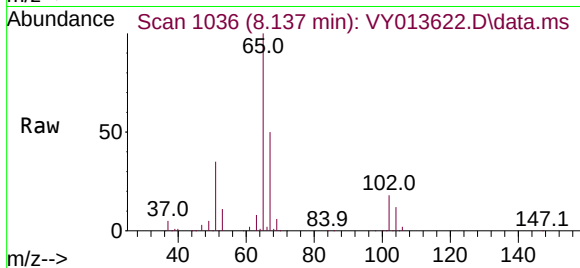
VNJ-227

Tgt Ion: 65 Resp: 127081

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013622.D

Acq: 05 May 2023 13:58

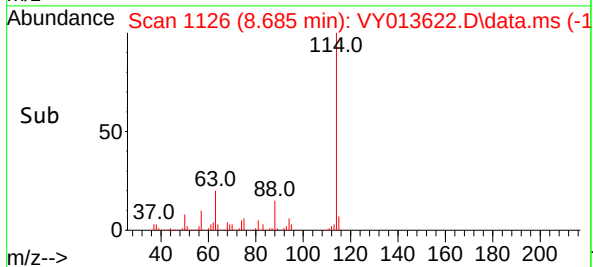
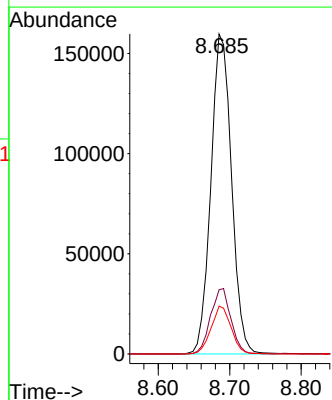
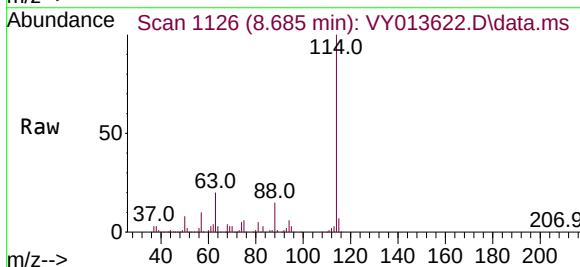
Tgt Ion: 114 Resp: 320374

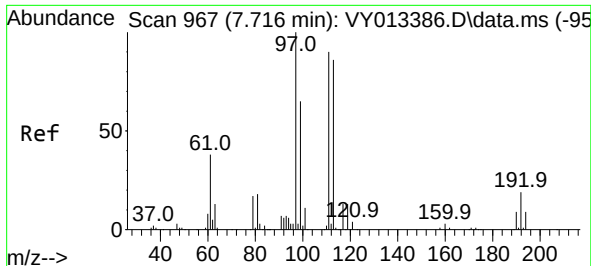
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.6

88 15.0 0.0 28.8

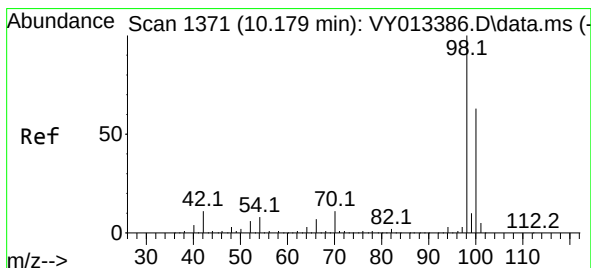
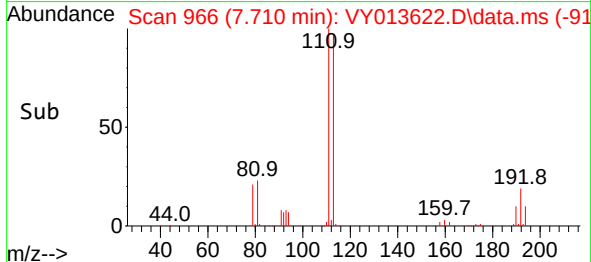
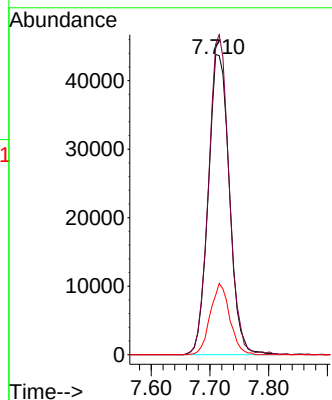
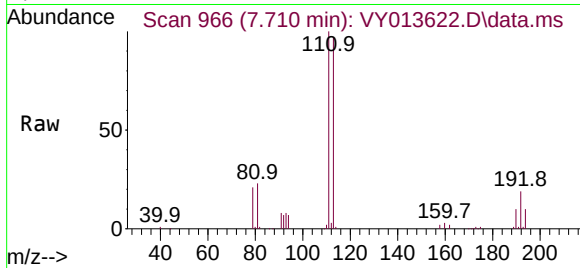




#35  
Dibromofluoromethane  
Concen: 54.249 ug/l  
RT: 7.710 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY013622.D  
Acq: 05 May 2023 13:58

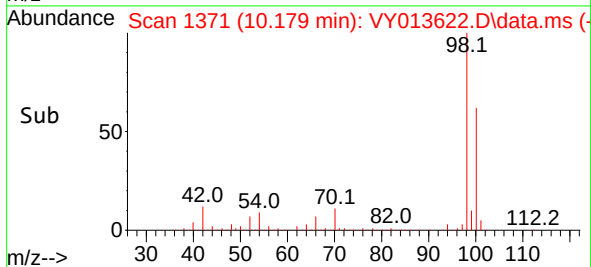
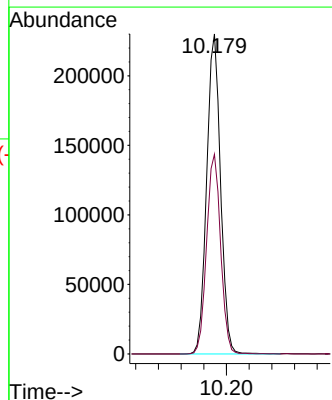
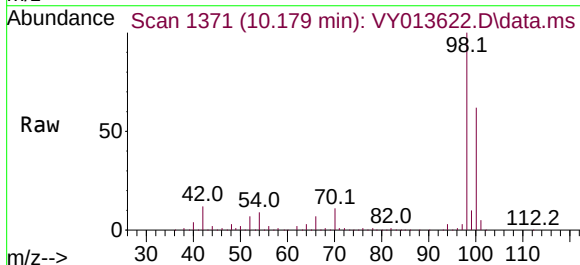
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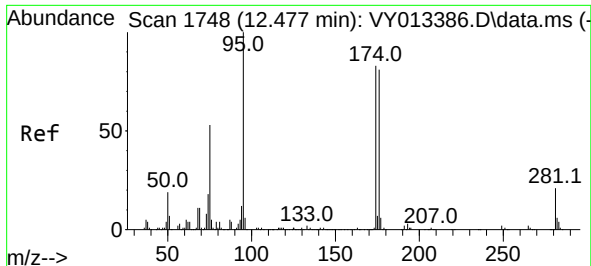
Tgt Ion:113 Resp: 109313  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.2  
192 21.9 16.7 25.1



#50  
Toluene-d8  
Concen: 54.391 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013622.D  
Acq: 05 May 2023 13:58

Tgt Ion: 98 Resp: 389885  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.5 75.7

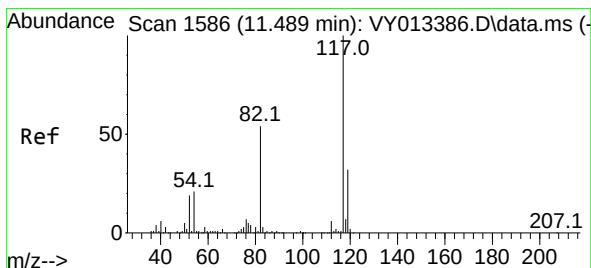
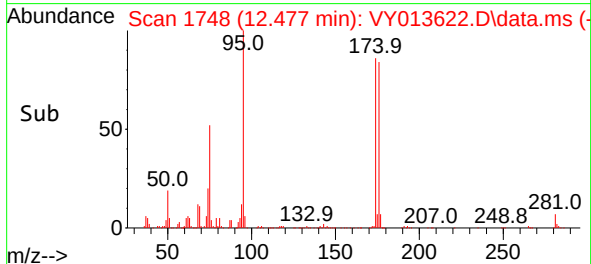
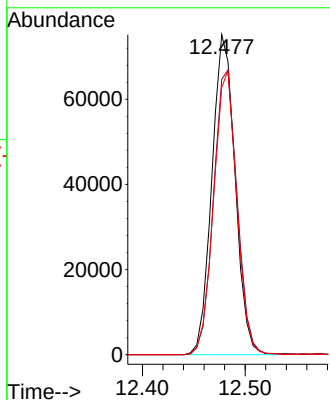
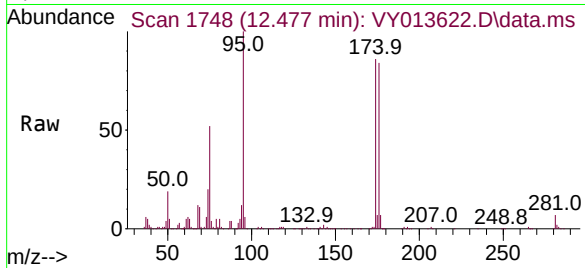




#62  
4-Bromofluorobenzene  
Concen: 48.709 ug/l  
RT: 12.477 min Scan# 117710  
Delta R.T. 0.000 min  
Lab File: VY013622.D  
Acq: 05 May 2023 13:58

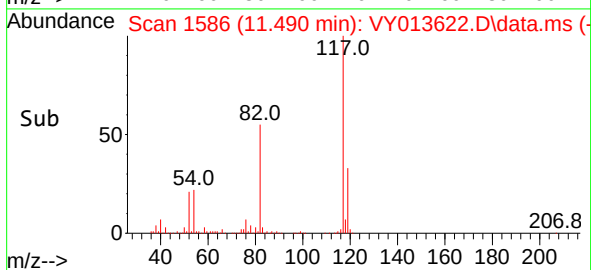
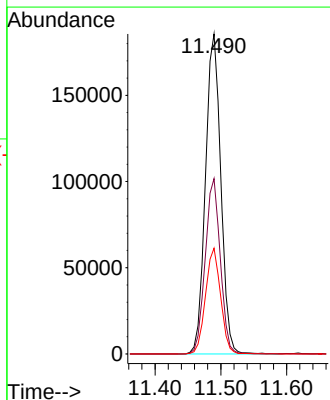
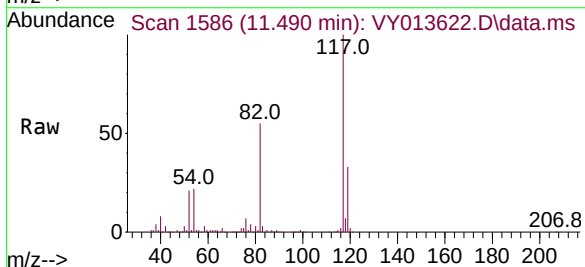
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ClientSampleId :  
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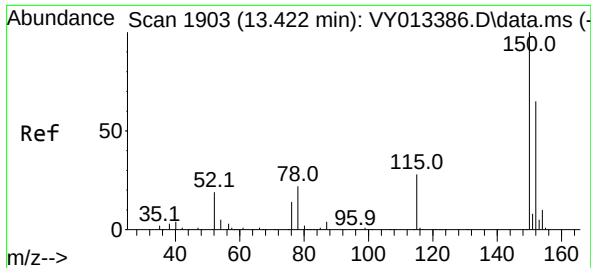
Tgt Ion: 95 Resp: 117710  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 182.0  
176 88.6 0.0 175.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY013622.D  
Acq: 05 May 2023 13:58

Tgt Ion: 117 Resp: 301535  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.0 64.6  
119 33.0 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY013622.D  
 Acq: 05 May 2023 13:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-227

Tgt Ion:152 Resp: 127565  
 Ion Ratio Lower Upper  
 152 100  
 115 56.5 28.1 84.2  
 150 156.9 0.0 352.0

