

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102623\  
 Data File : VY016091.D  
 Acq On : 26 Oct 2023 20:40  
 Operator : SY/MD  
 Sample : 05050-07  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B2

Quant Time: Oct 27 04:22:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 27 04:12:29 2023  
 Response via : Initial Calibration

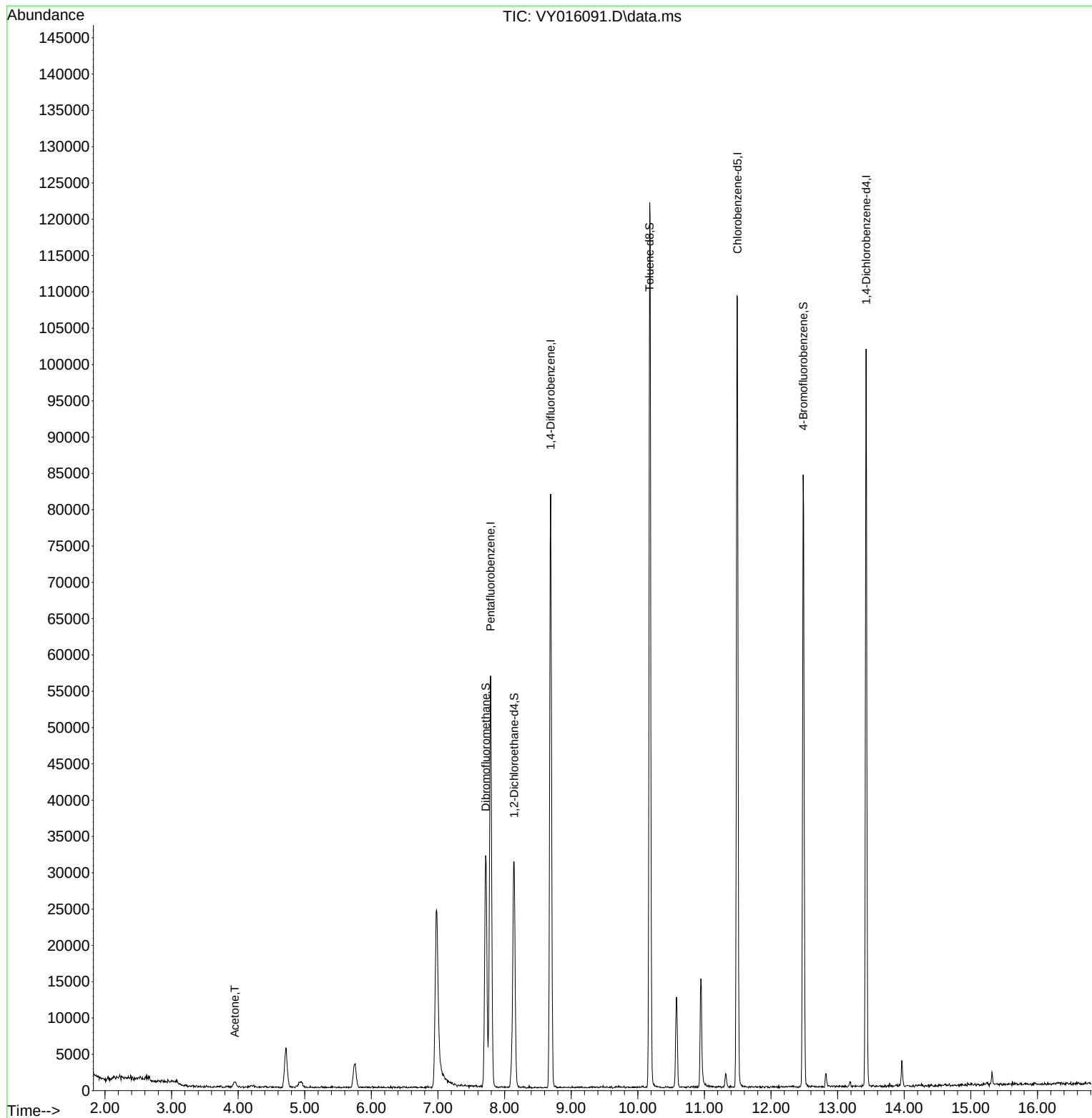
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 43536    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 71792    | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 64201    | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 26179    | 50.000   | ug/l  | 0.00      |
|                             |        |       |          |          |       |           |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 23954    | 55.333   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 110.660%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 23224    | 51.242   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 102.480%  |
| 50) Toluene-d8              | 10.179 | 98    | 83223    | 49.573   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.140%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 24088    | 41.829   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 83.660%   |
|                             |        |       |          |          |       |           |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.948  | 43    | 1464     | 12.477   | ug/l  | Qvalue 93 |
| -----                       |        |       |          |          |       |           |

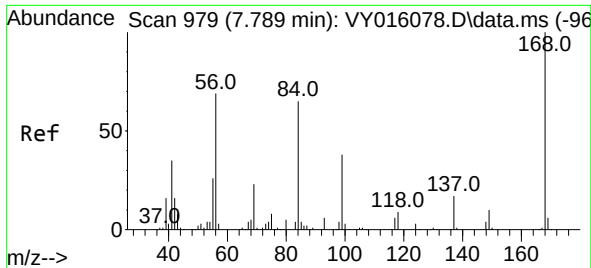
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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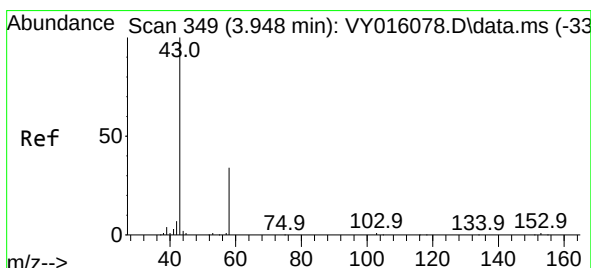
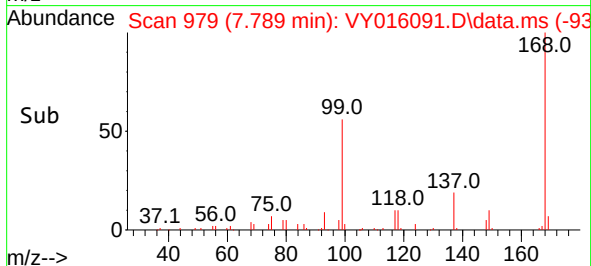
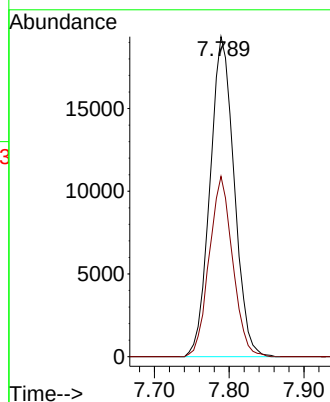
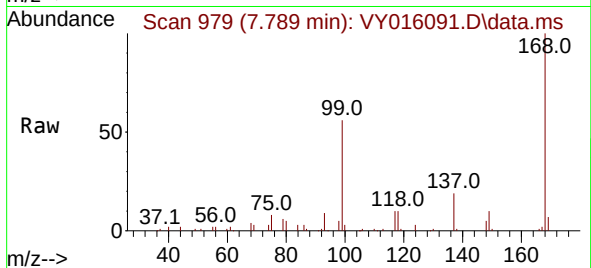




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016091.D  
Acq: 26 Oct 2023 20:40

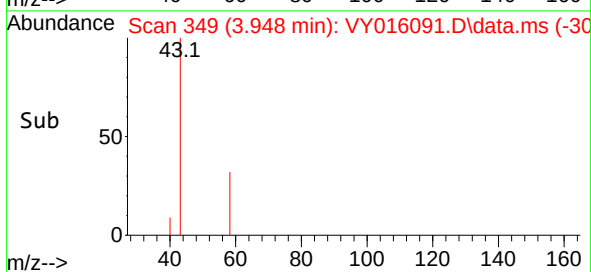
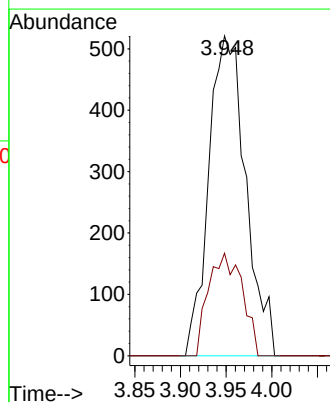
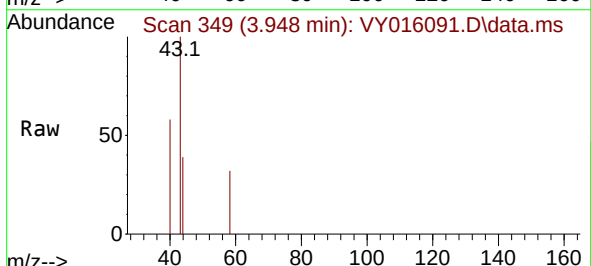
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B2

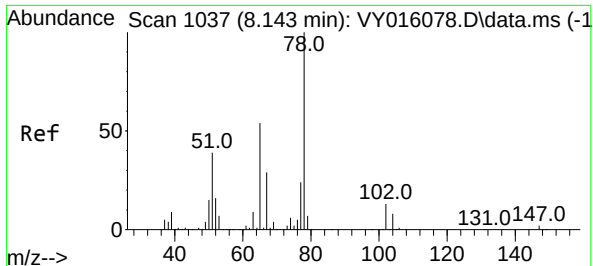
Tgt Ion:168 Resp: 43536  
Ion Ratio Lower Upper  
168 100  
99 56.3 43.4 65.0



#16  
Acetone  
Concen: 12.477 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VY016091.D  
Acq: 26 Oct 2023 20:40

Tgt Ion: 43 Resp: 1464  
Ion Ratio Lower Upper  
43 100  
58 32.1 22.7 34.1





#33

1,2-Dichloroethane-d4

Concen: 55.333 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY016091.D

Acq: 26 Oct 2023 20:40

Instrument :

MSVOA\_Y

ClientSampleId :

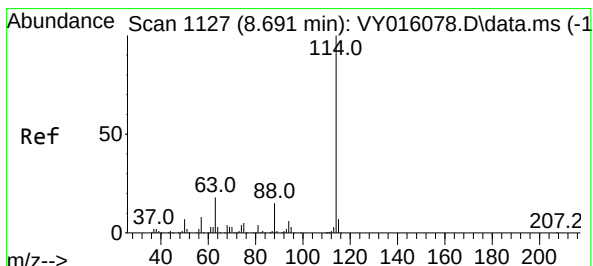
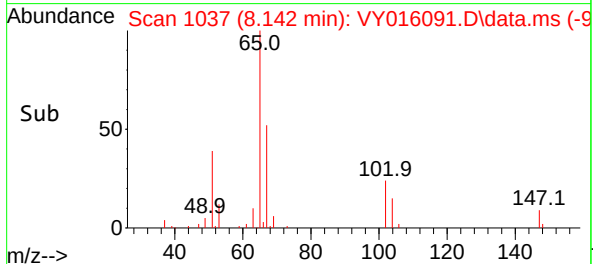
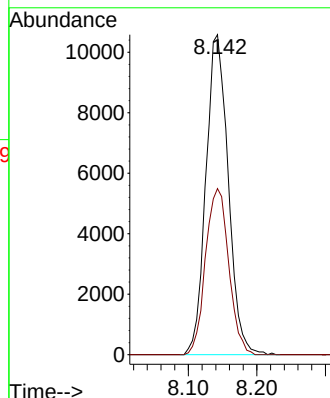
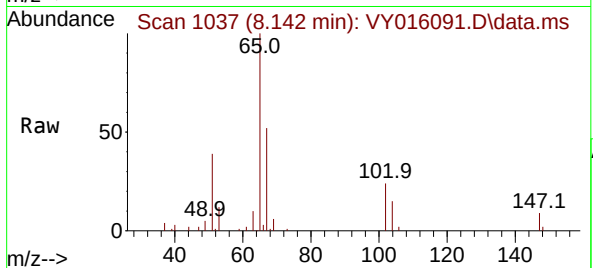
B2

Tgt Ion: 65 Resp: 23954

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016091.D

Acq: 26 Oct 2023 20:40

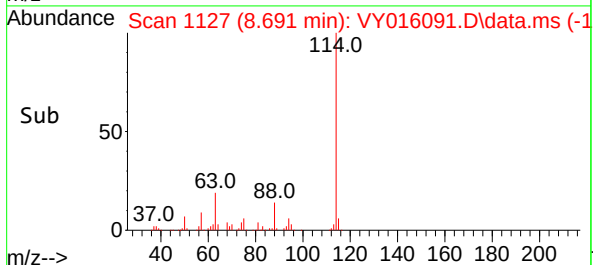
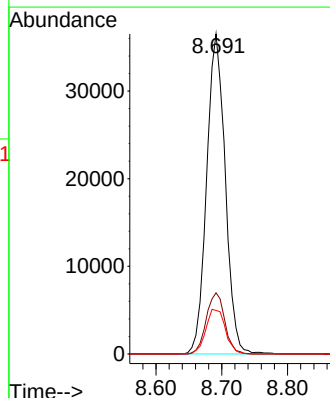
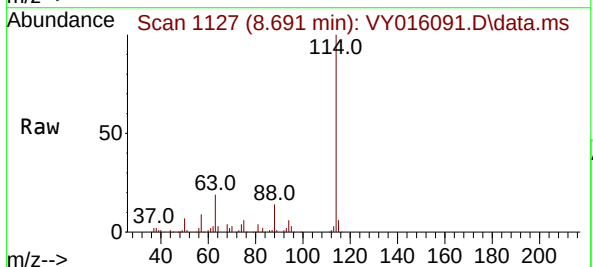
Tgt Ion: 114 Resp: 71792

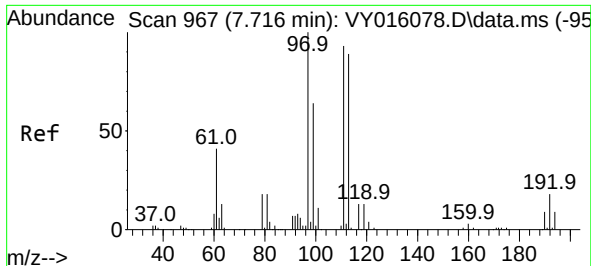
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 13.6 0.0 30.6

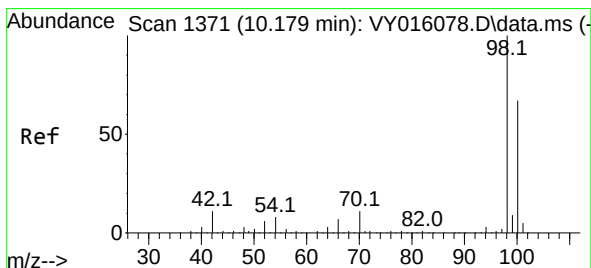
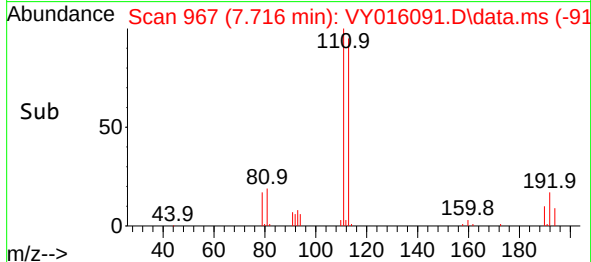
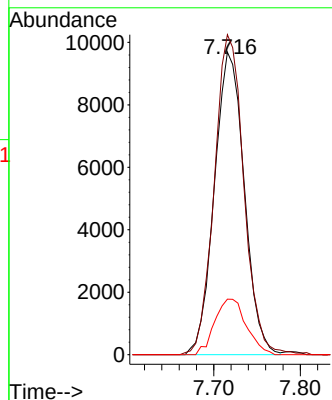
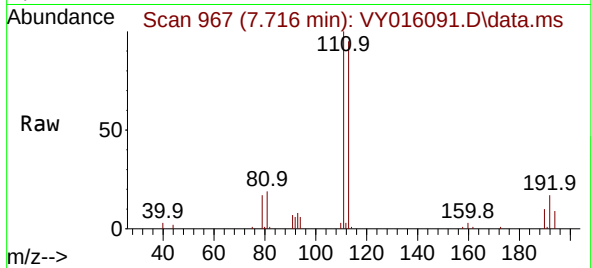




#35  
Dibromofluoromethane  
Concen: 51.242 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016091.D  
Acq: 26 Oct 2023 20:40

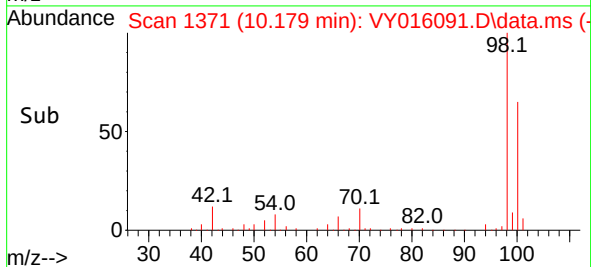
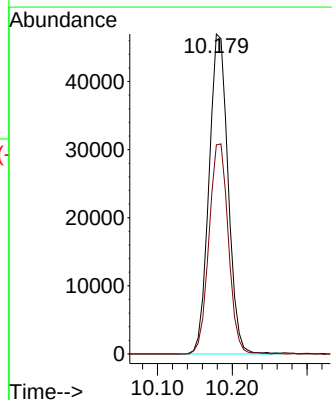
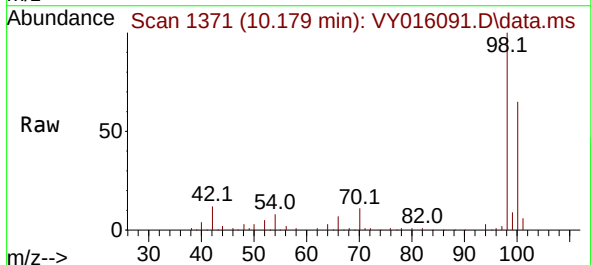
Instrument :  
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B2

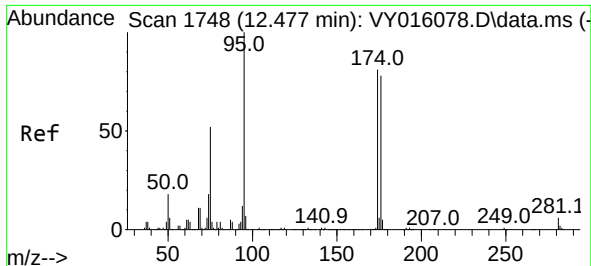
Tgt Ion:113 Resp: 23224  
Ion Ratio Lower Upper  
113 100  
111 104.5 81.3 121.9  
192 19.5 16.9 25.3



#50  
Toluene-d8  
Concen: 49.573 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY016091.D  
Acq: 26 Oct 2023 20:40

Tgt Ion: 98 Resp: 83223  
Ion Ratio Lower Upper  
98 100  
100 66.5 50.1 75.1

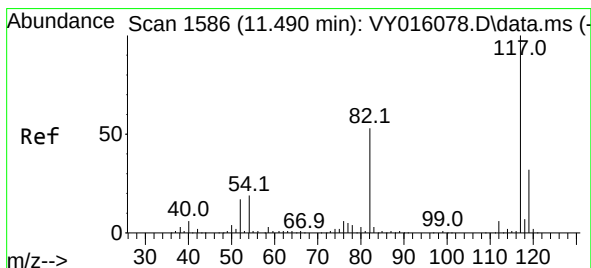
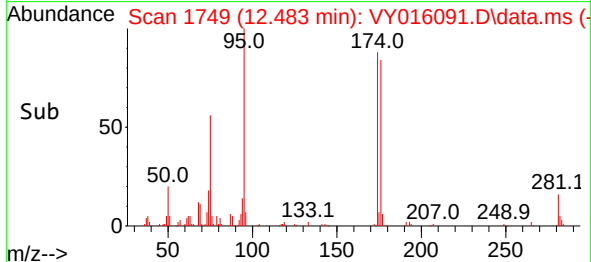
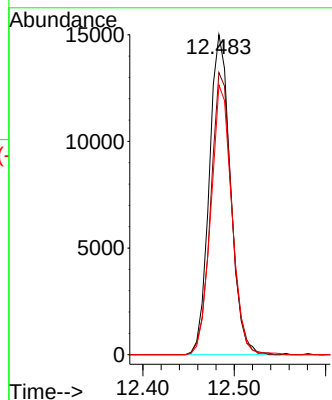
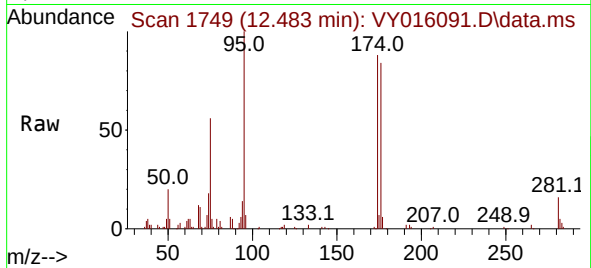




#62  
4-Bromofluorobenzene  
Concen: 41.829 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016091.D  
Acq: 26 Oct 2023 20:40

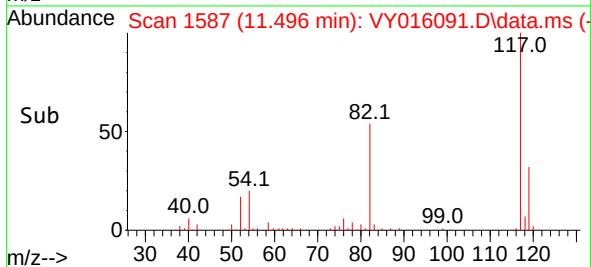
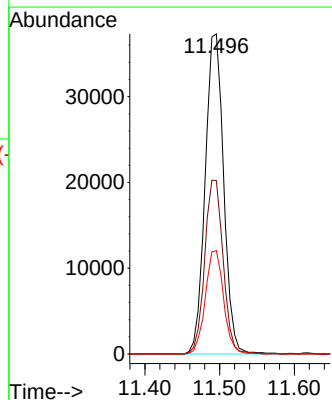
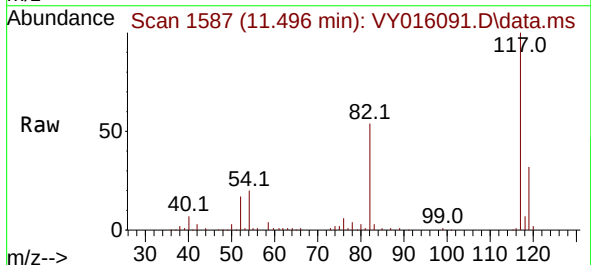
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B2

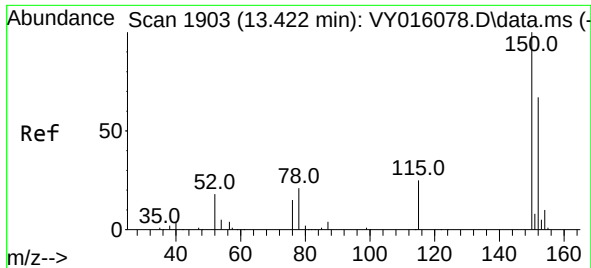
Tgt Ion: 95 Resp: 24088  
Ion Ratio Lower Upper  
95 100  
174 87.2 0.0 178.2  
176 83.5 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY016091.D  
Acq: 26 Oct 2023 20:40

Tgt Ion: 117 Resp: 64201  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.4 65.0  
119 32.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016091.D

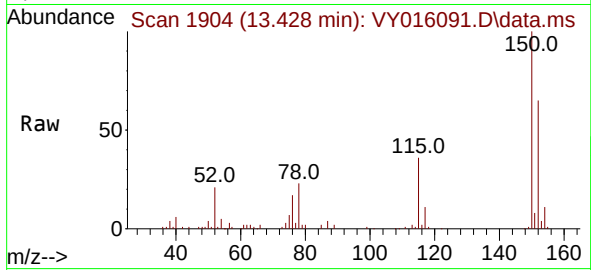
Acq: 26 Oct 2023 20:40

Instrument :

MSVOA\_Y

ClientSampleId :

B2



Tgt Ion:152 Resp: 26179

Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.5

150 156.5 0.0 348.8

