

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060523\  
 Data File : VY014019.D  
 Acq On : 05 Jun 2023 19:50  
 Operator : KP/MD  
 Sample : 03001-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP16-0A

Quant Time: Jun 06 04:00:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 07:00:14 2023  
 Response via : Initial Calibration

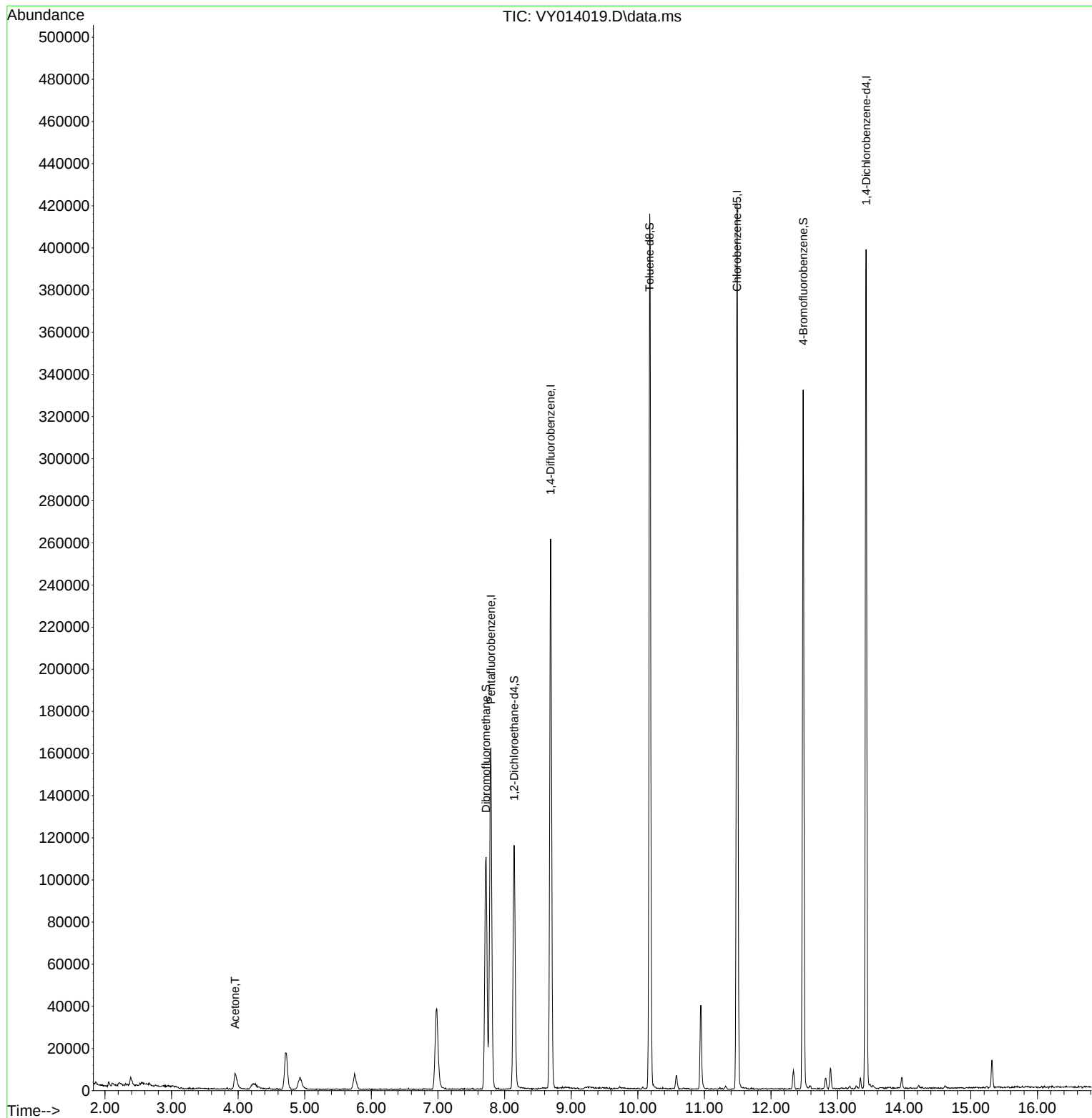
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 7.795  | 168   | 125697   | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 216354   | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 218404   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 102639   | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 93943    | 56.458   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 112.920% |           |
| 35) Dibromofluoromethane    | 7.722  | 113   | 76208    | 55.426   | ug/l       | 0.01      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.860% |           |
| 50) Toluene-d8              | 10.178 | 98    | 268572   | 51.209   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.420% |           |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 90672    | 50.711   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 101.420% |           |
| Target Compounds            |        |       |          |          |            |           |
| 16) Acetone                 | 3.954  | 43    | 15107    | 26.537   | ug/l       | Qvalue 92 |
| -----                       |        |       |          |          |            |           |

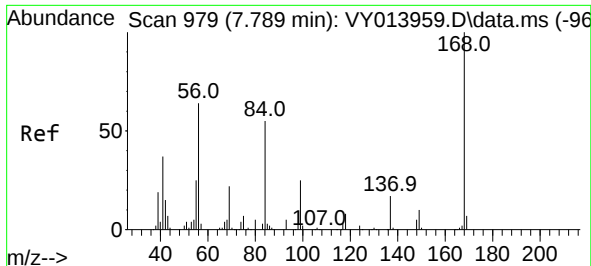
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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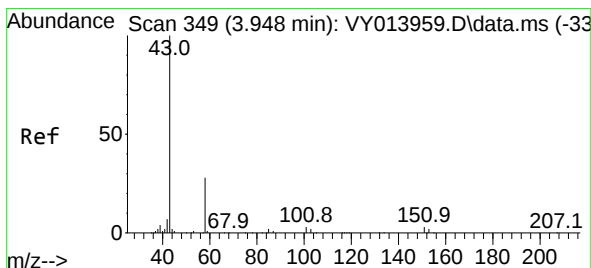
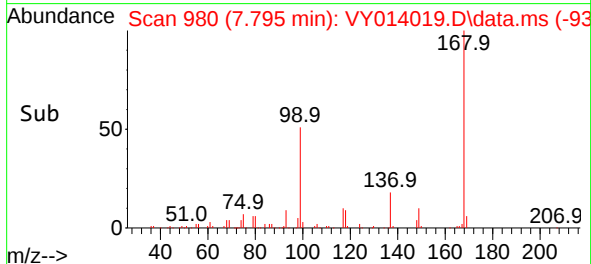
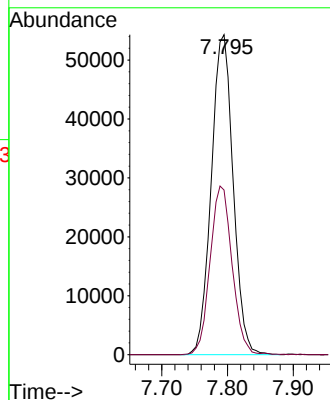
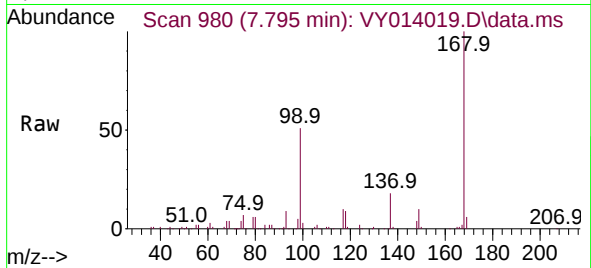




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014019.D  
Acq: 05 Jun 2023 19:50

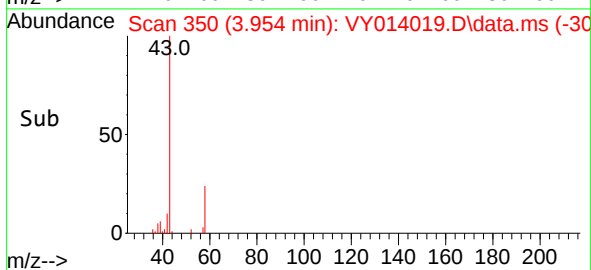
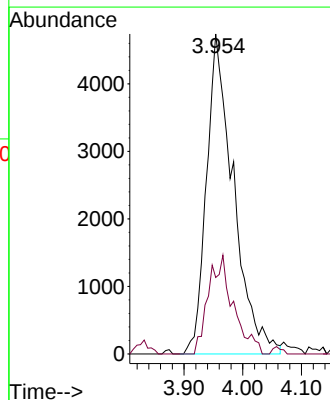
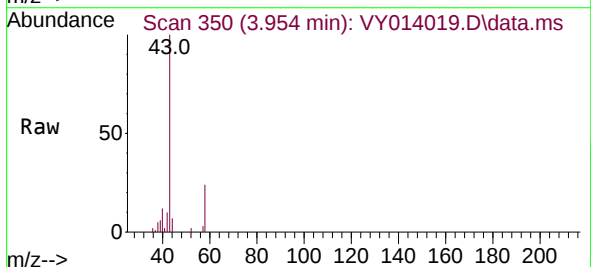
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP16-0A

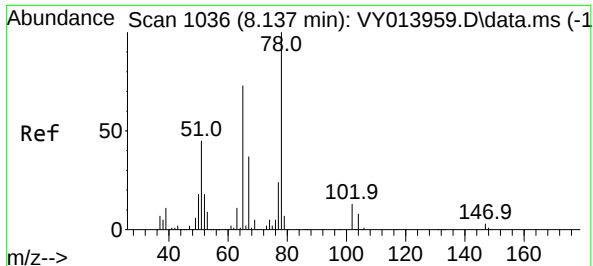
Tgt Ion:168 Resp: 125697  
Ion Ratio Lower Upper  
168 100  
99 51.5 43.4 65.0



#16  
Acetone  
Concen: 26.537 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY014019.D  
Acq: 05 Jun 2023 19:50

Tgt Ion: 43 Resp: 15107  
Ion Ratio Lower Upper  
43 100  
58 23.9 22.7 34.1





#33

1,2-Dichloroethane-d4

Concen: 56.458 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014019.D

Acq: 05 Jun 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

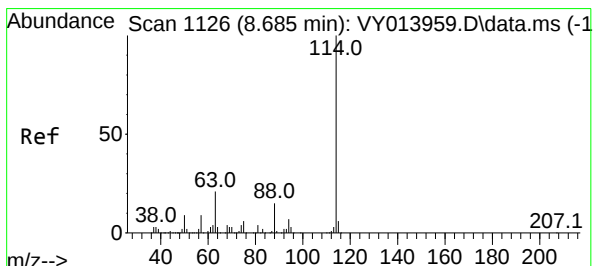
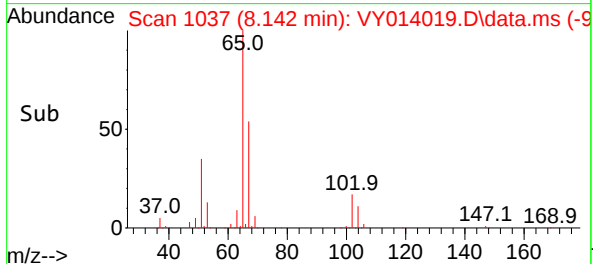
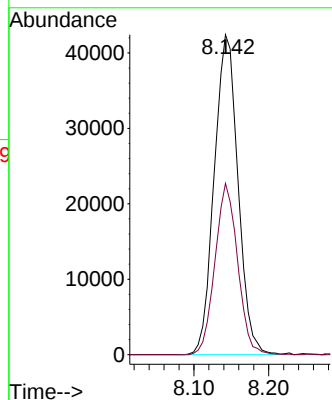
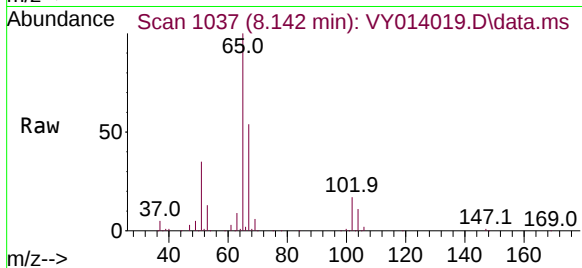
TP16-0A

Tgt Ion: 65 Resp: 93943

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014019.D

Acq: 05 Jun 2023 19:50

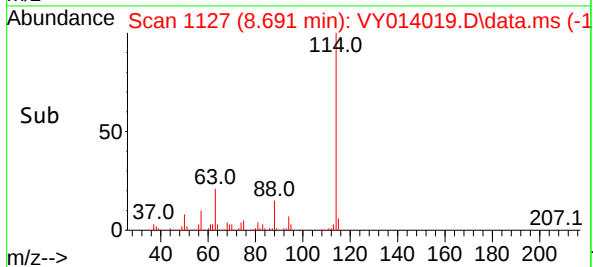
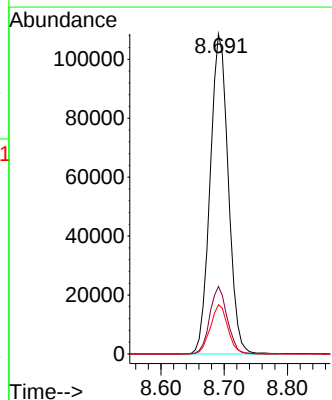
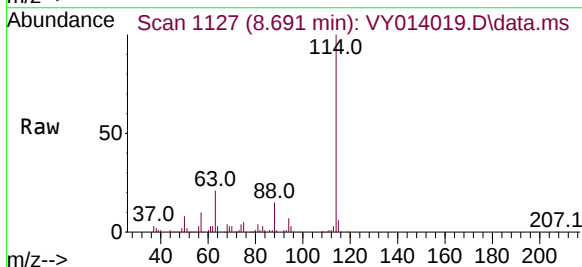
Tgt Ion:114 Resp: 216354

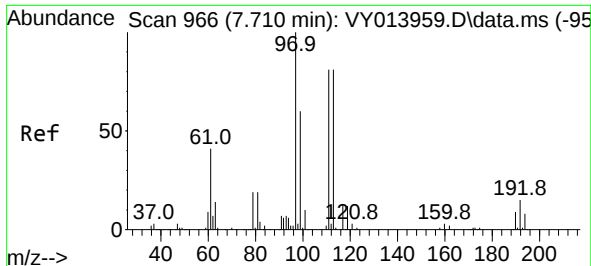
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

88 15.4 0.0 30.6

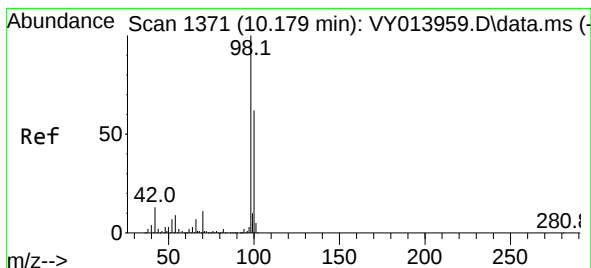
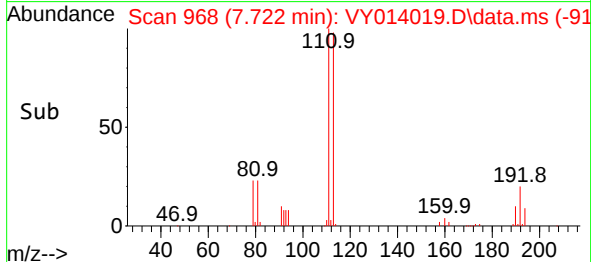
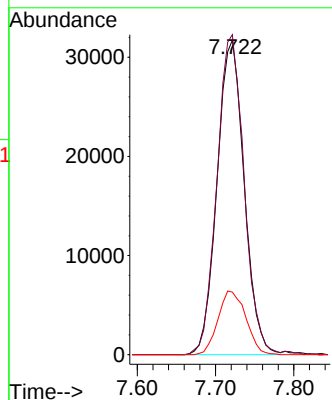
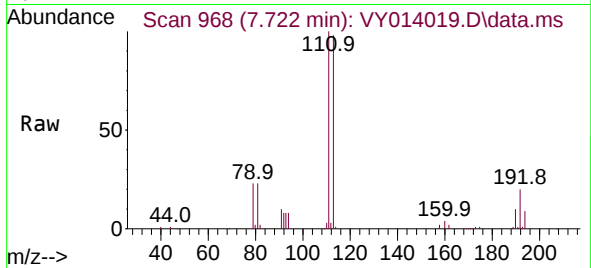




#35  
Dibromofluoromethane  
Concen: 55.426 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: VY014019.D  
Acq: 05 Jun 2023 19:50

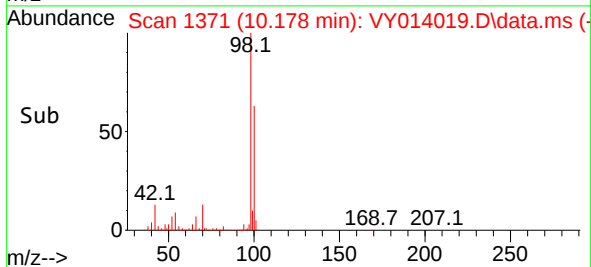
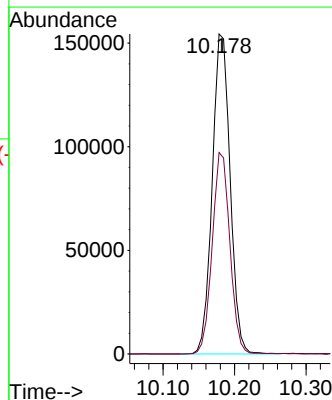
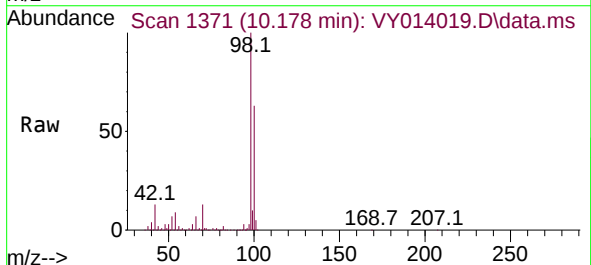
Instrument :  
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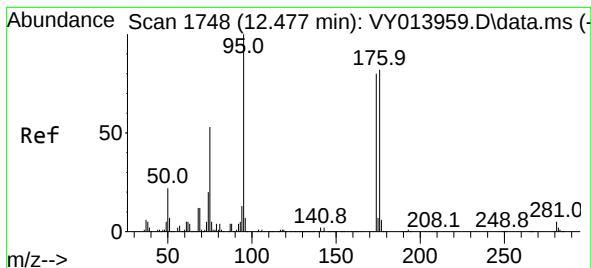
Tgt Ion:113 Resp: 76208  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.3 121.9  
192 20.8 16.9 25.3



#50  
Toluene-d8  
Concen: 51.209 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY014019.D  
Acq: 05 Jun 2023 19:50

Tgt Ion: 98 Resp: 268572  
Ion Ratio Lower Upper  
98 100  
100 62.2 50.1 75.1

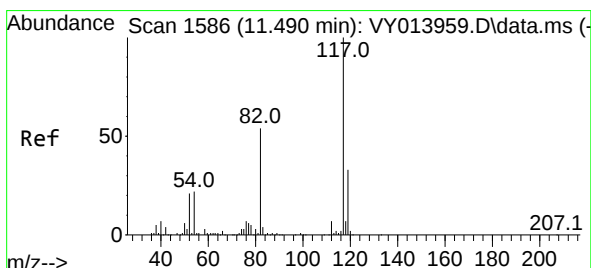
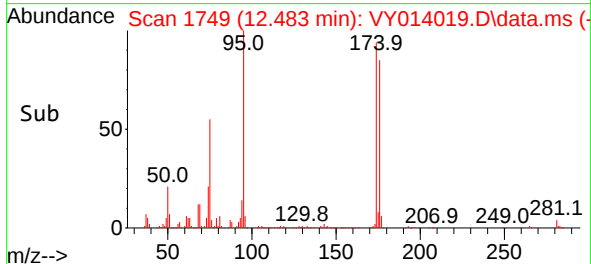
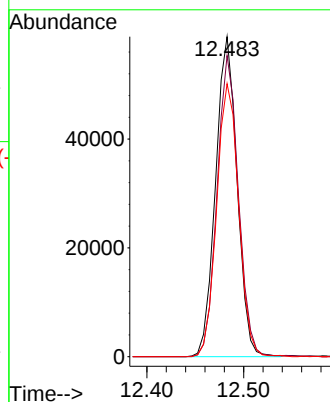
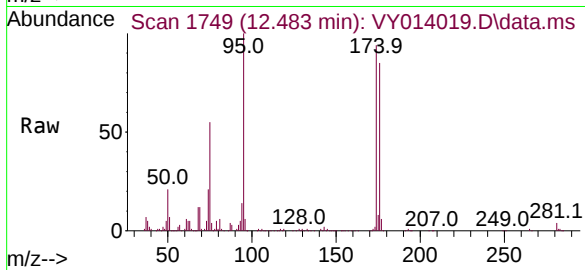




#62  
4-Bromofluorobenzene  
Concen: 50.711 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY014019.D  
Acq: 05 Jun 2023 19:50

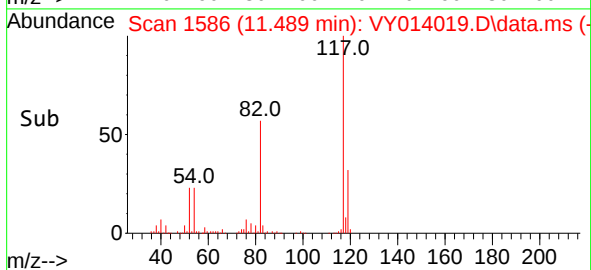
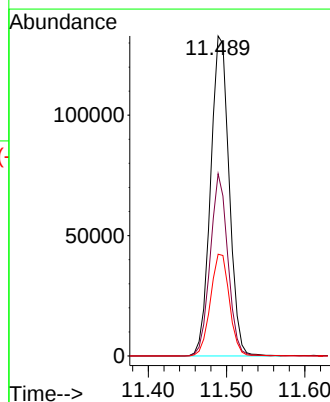
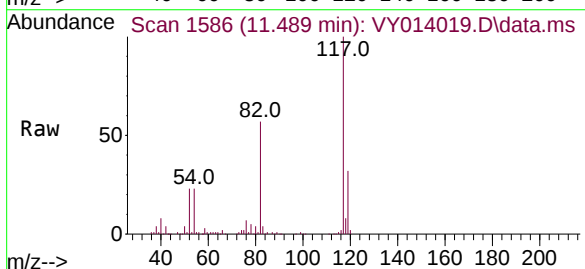
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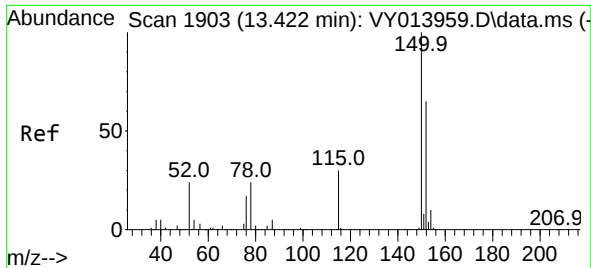
Tgt Ion: 95 Resp: 90672  
Ion Ratio Lower Upper  
95 100  
174 93.3 0.0 178.2  
176 87.3 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY014019.D  
Acq: 05 Jun 2023 19:50

Tgt Ion: 117 Resp: 218404  
Ion Ratio Lower Upper  
117 100  
82 56.9 43.4 65.0  
119 31.8 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: VY014019.D

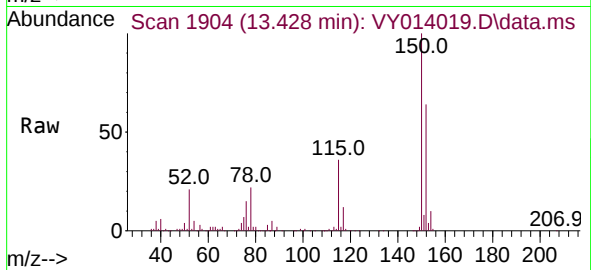
Acq: 05 Jun 2023 19:50

Instrument :

MSVOA\_Y

ClientSampleId :

TP16-0A



Tgt Ion:152 Resp: 102639

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 157.1 0.0 348.8

