

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060123\  
 Data File : VY013972.D  
 Acq On : 01 Jun 2023 18:25  
 Operator : KP/MD  
 Sample : 02983-08RE  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB07RE

Quant Time: Jun 02 07:29:14 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

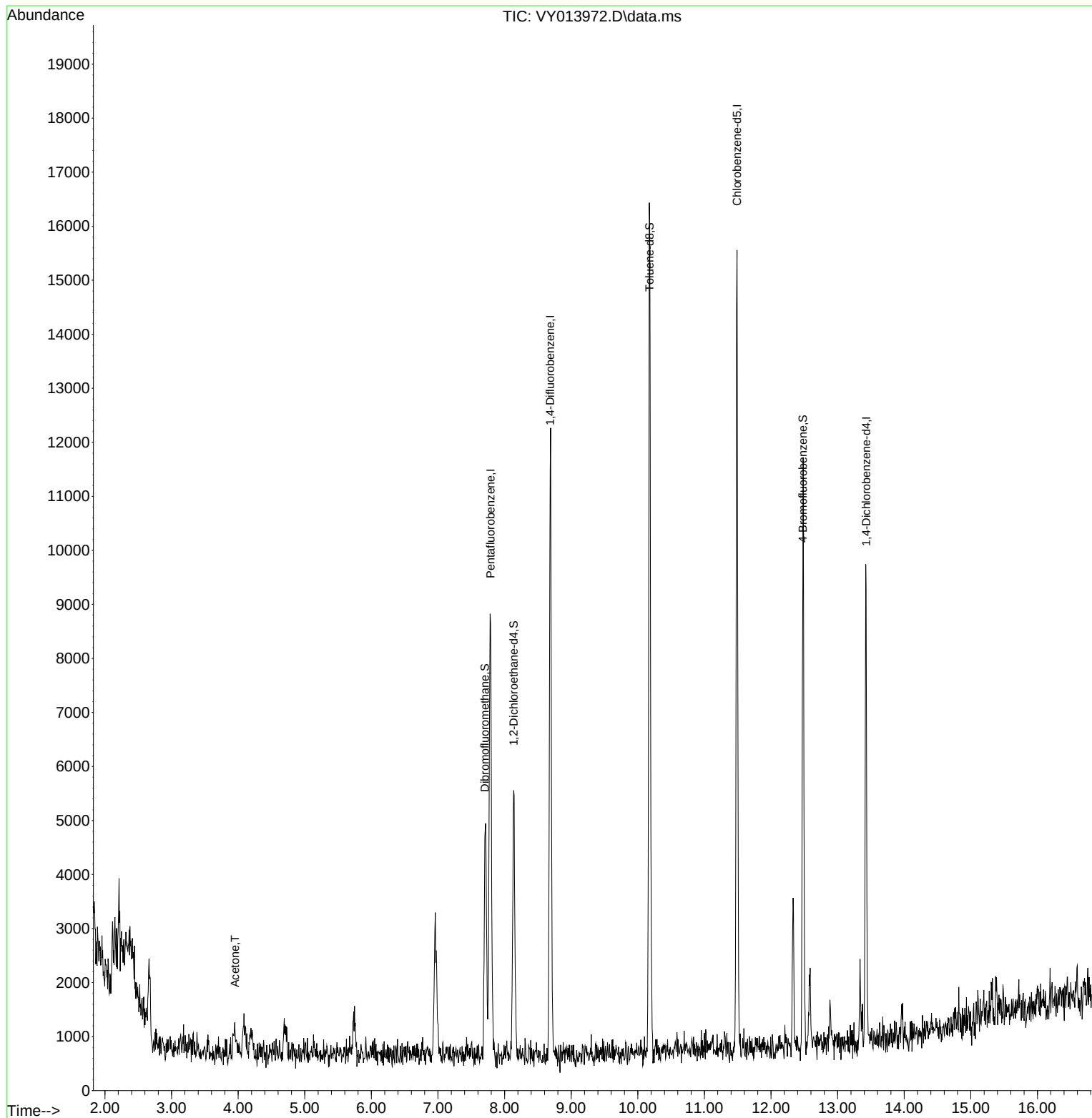
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.789  | 168   | 7179     | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 9458     | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 8459     | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 2405     | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 4271     | 44.942   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 89.880%     |
| 35) Dibromofluoromethane    | 7.704  | 113   | 3029     | 50.394   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 100.780%    |
| 50) Toluene-d8              | 10.179 | 98    | 11121    | 48.506   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 97.020%     |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 2671     | 34.172   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 68.340%     |
| Target Compounds            |        |       |          |          |       |             |
| 16) Acetone                 | 3.954  | 43    | 915      | 28.142   | ug/l  | Qvalue # 80 |
| -----                       |        |       |          |          |       |             |

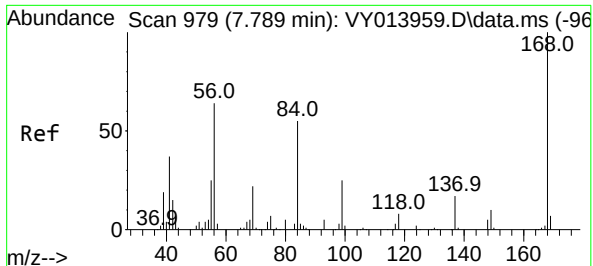
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 02 07:00:14 2023  
Response via : Initial Calibration

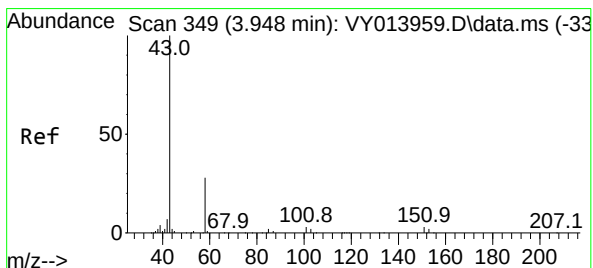
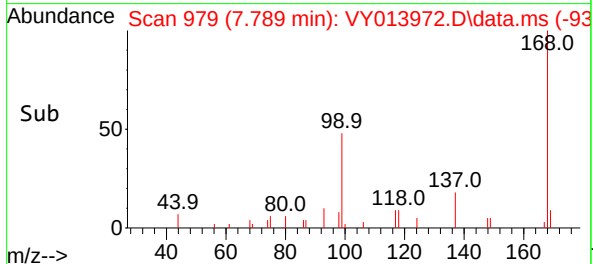
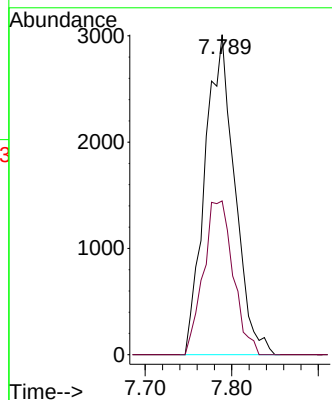
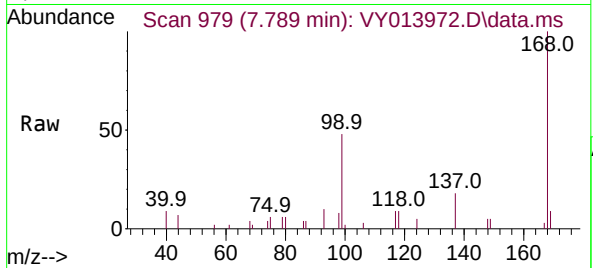




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013972.D  
Acq: 01 Jun 2023 18:25

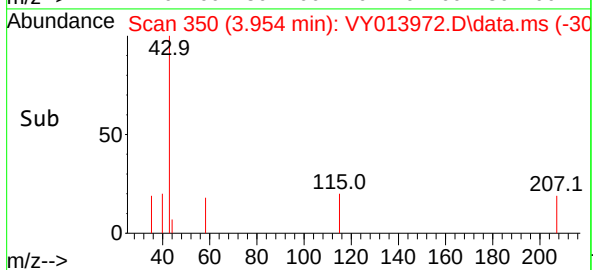
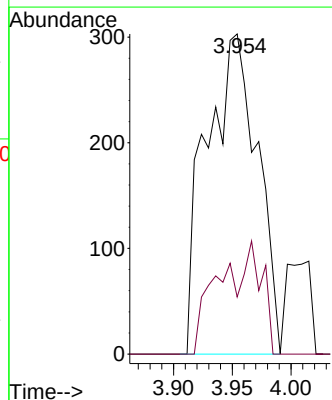
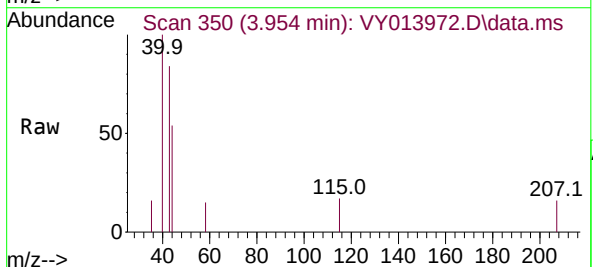
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB07RE

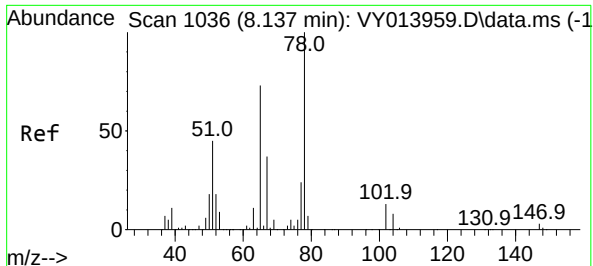
Tgt Ion:168 Resp: 7179  
Ion Ratio Lower Upper  
168 100  
99 48.1 43.4 65.0



#16  
Acetone  
Concen: 28.142 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY013972.D  
Acq: 01 Jun 2023 18:25

Tgt Ion: 43 Resp: 915  
Ion Ratio Lower Upper  
43 100  
58 17.8 22.7 34.1#





#33

1,2-Dichloroethane-d4

Concen: 44.942 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

Instrument :

MSVOA\_Y

ClientSampleId :

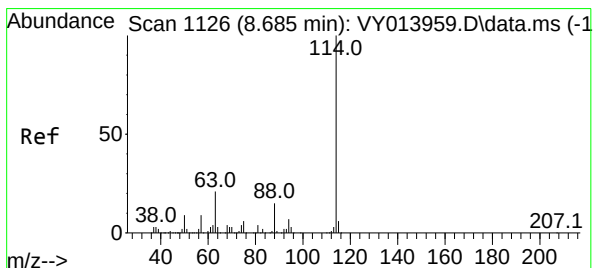
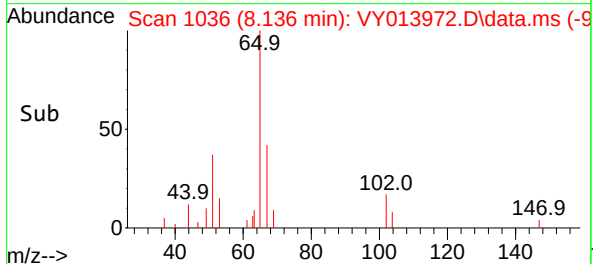
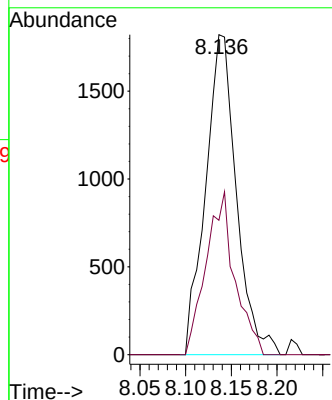
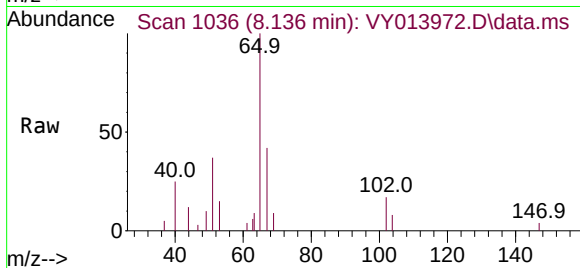
SB07RE

Tgt Ion: 65 Resp: 4271

Ion Ratio Lower Upper

65 100

67 47.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

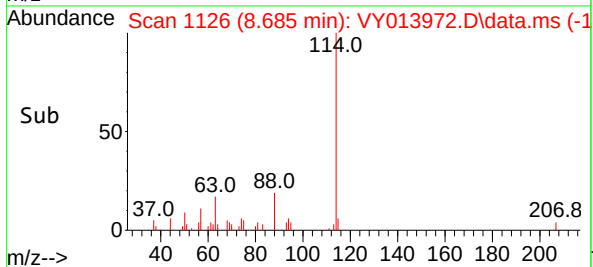
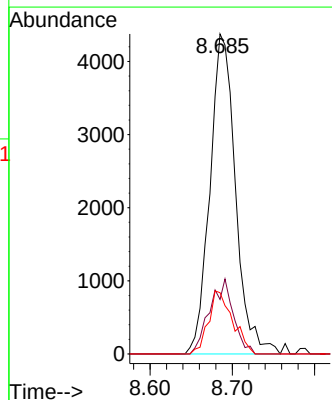
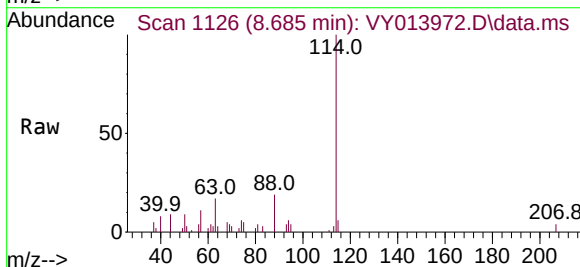
Tgt Ion: 114 Resp: 9458

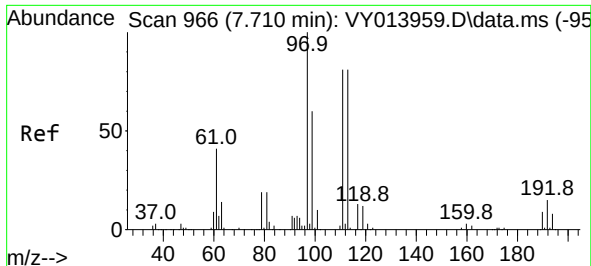
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 19.1 0.0 30.6

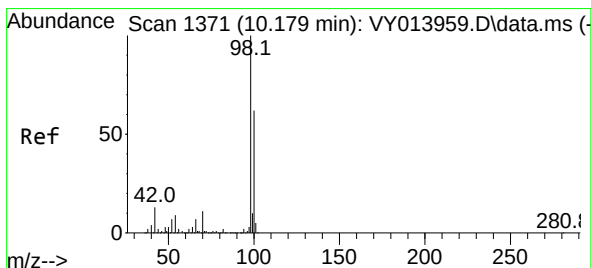
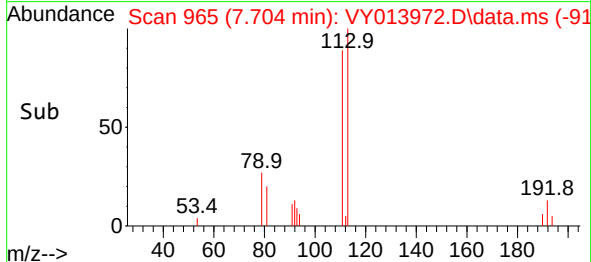
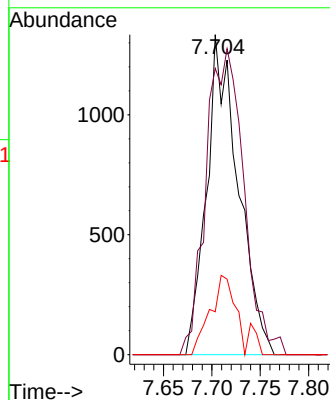
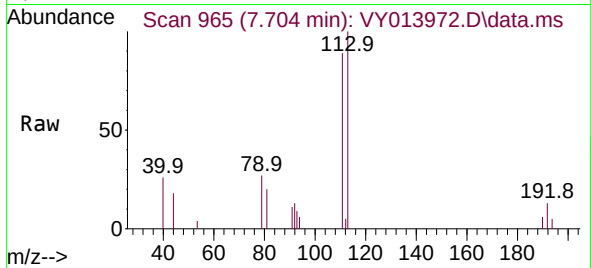




#35  
Dibromofluoromethane  
Concen: 50.394 ug/l  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013972.D  
Acq: 01 Jun 2023 18:25

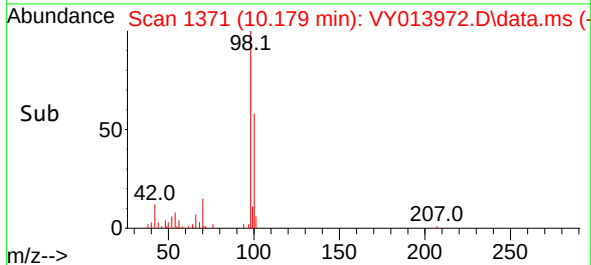
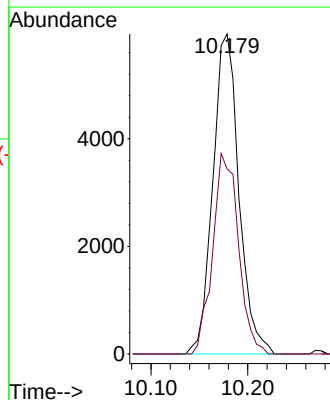
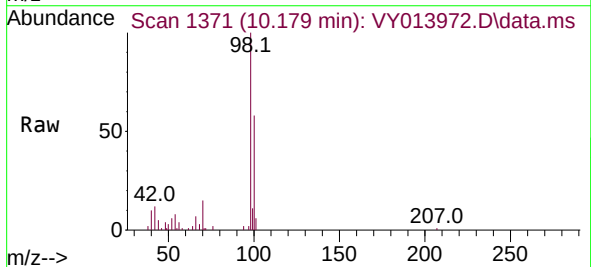
Instrument :  
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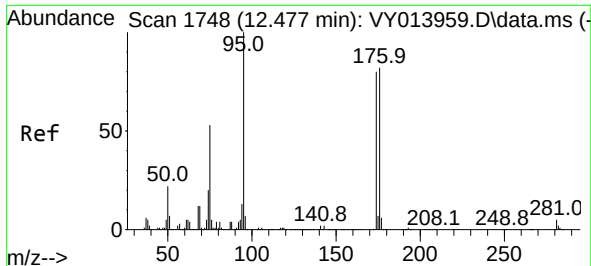
Tgt Ion:113 Resp: 3029  
Ion Ratio Lower Upper  
113 100  
111 114.0 81.3 121.9  
192 19.3 16.9 25.3



#50  
Toluene-d8  
Concen: 48.506 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013972.D  
Acq: 01 Jun 2023 18:25

Tgt Ion: 98 Resp: 11121  
Ion Ratio Lower Upper  
98 100  
100 61.8 50.1 75.1

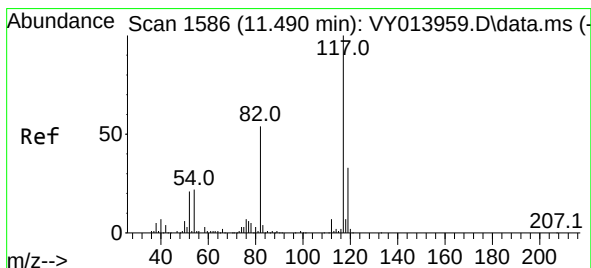
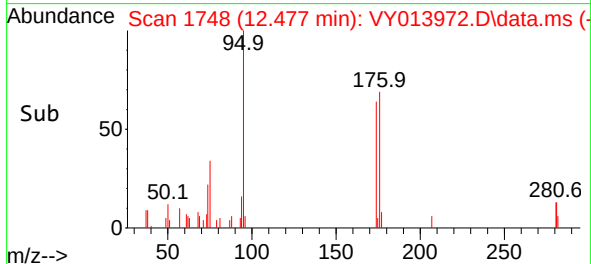
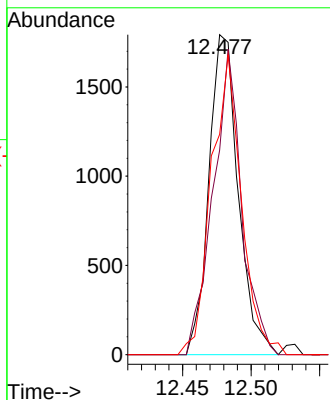
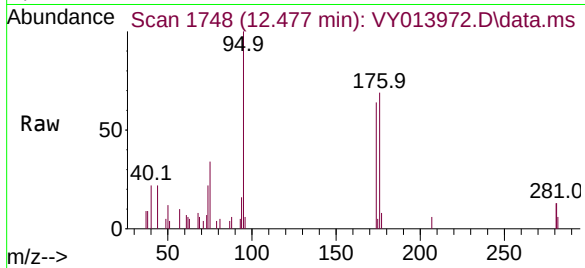




#62  
4-Bromofluorobenzene  
Concen: 34.172 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013972.D  
Acq: 01 Jun 2023 18:25

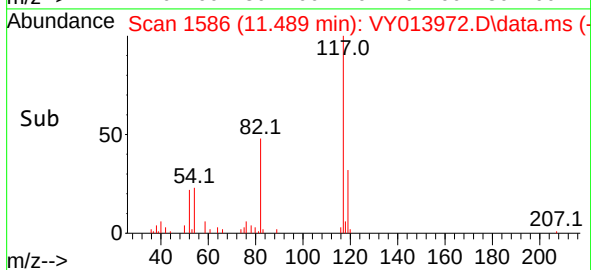
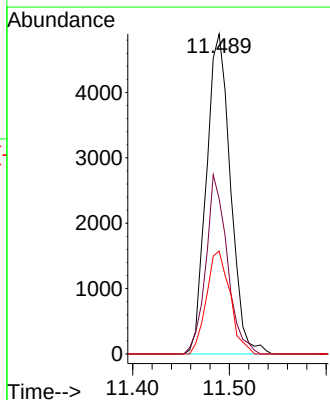
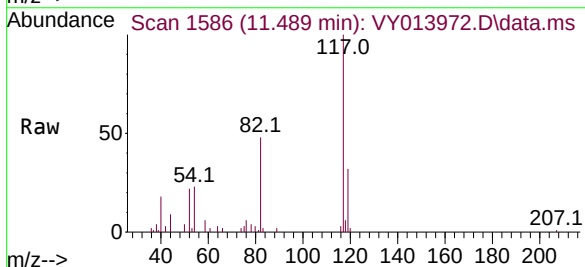
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB07RE

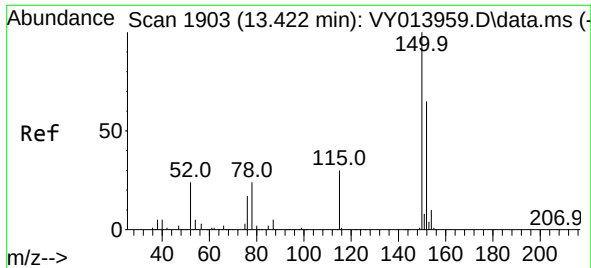
Tgt Ion: 95 Resp: 2671  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 178.2  
176 96.2 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY013972.D  
Acq: 01 Jun 2023 18:25

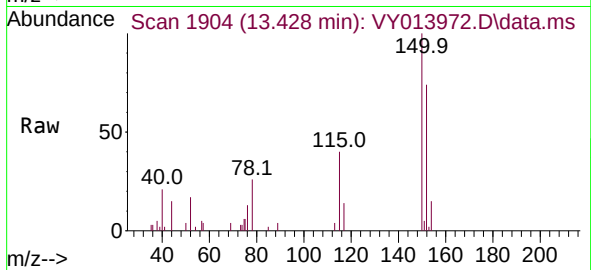
Tgt Ion: 117 Resp: 8459  
Ion Ratio Lower Upper  
117 100  
82 48.5 43.4 65.0  
119 32.1 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.006 min  
 Lab File: VY013972.D  
 Acq: 01 Jun 2023 18:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB07RE



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 52.2  | 28.8  | 86.5  |
| 150     | 152.6 | 0.0   | 348.8 |

