

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050924\  
 Data File : VY018213.D  
 Acq On : 09 May 2024 16:30  
 Operator : SY/MD  
 Sample : P2430-03  
 Misc : 4.49g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1011UMR-SS002-1224-01

Quant Time: May 10 01:19:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 01:40:14 2024  
 Response via : Initial Calibration

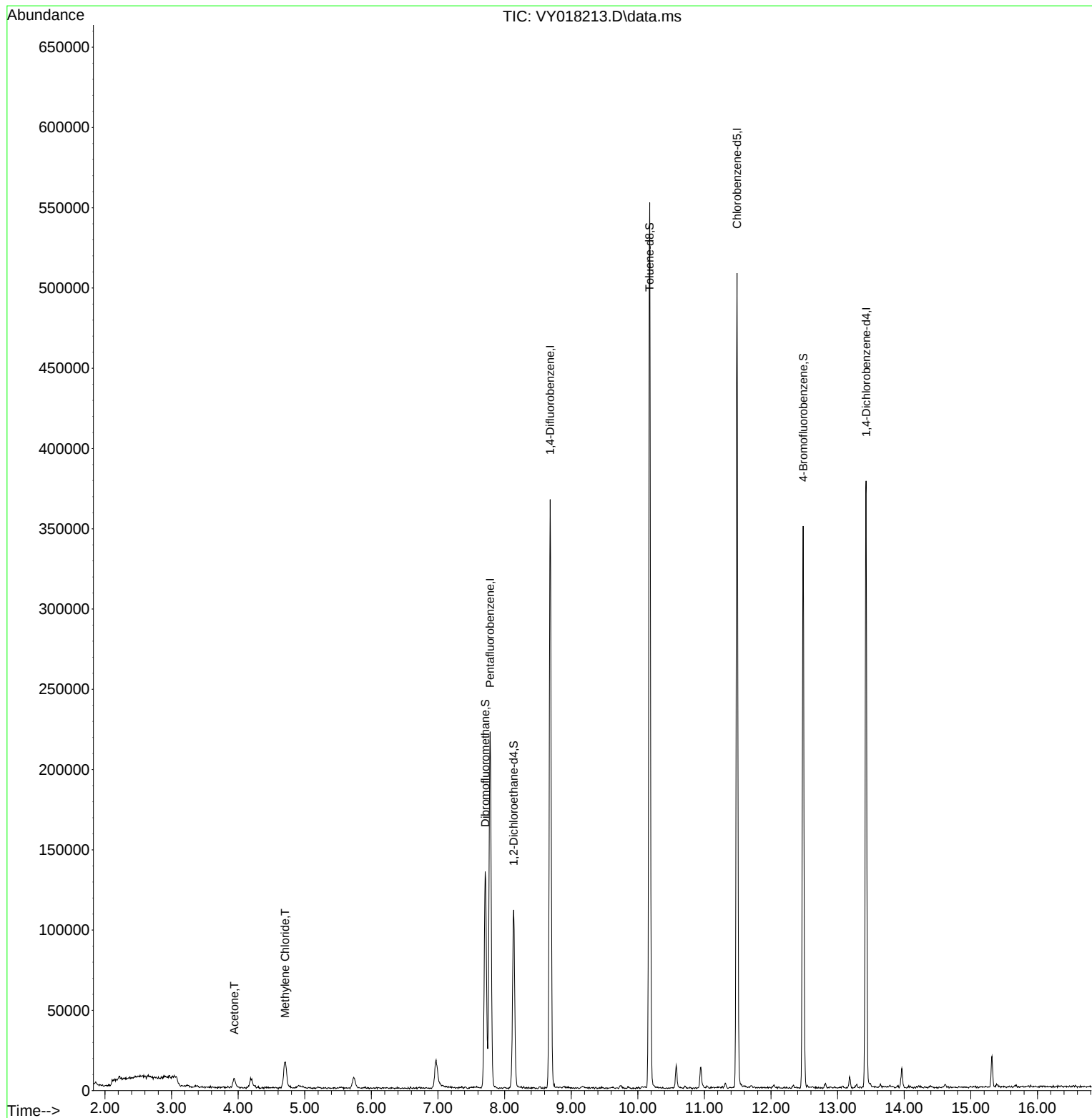
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 175937   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 329775   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 286090   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 99957    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 80883    | 62.491   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 124.980% |
| 35) Dibromofluoromethane    | 7.709  | 113   | 97978    | 56.533   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 113.060% |
| 50) Toluene-d8              | 10.178 | 98    | 375885   | 55.038   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 110.080% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 107181   | 48.596   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 97.200%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 3.942  | 43    | 9966     | 38.584   | ug/l  | 90       |
| 20) Methylene Chloride      | 4.704  | 84    | 12757    | 6.988    | ug/l  | 92       |
| -----                       |        |       |          |          |       |          |

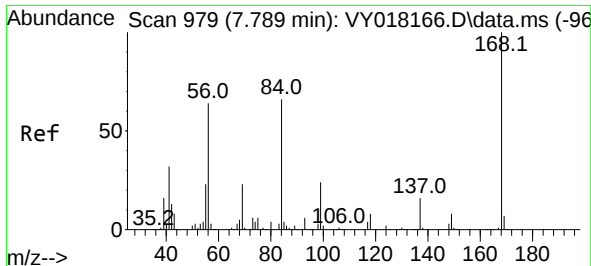
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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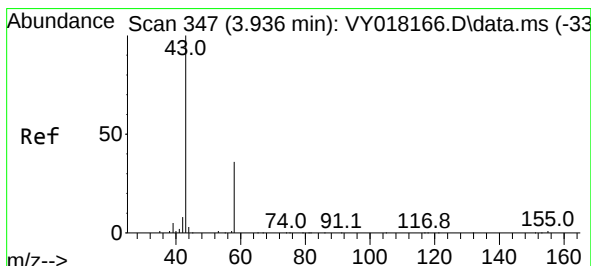
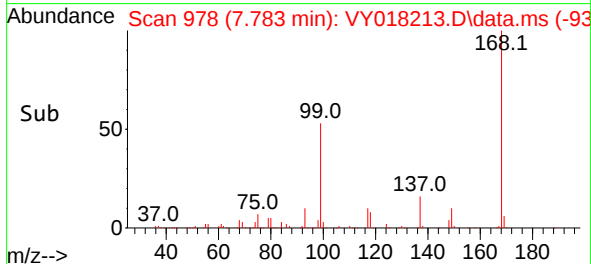
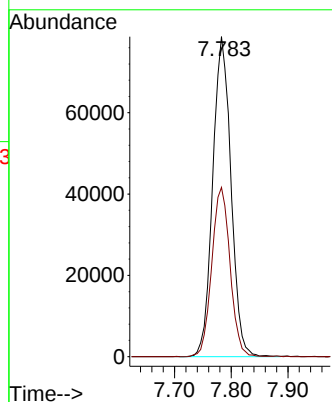
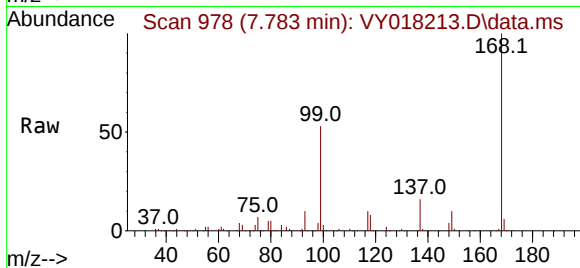




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018213.D  
Acq: 09 May 2024 16:30

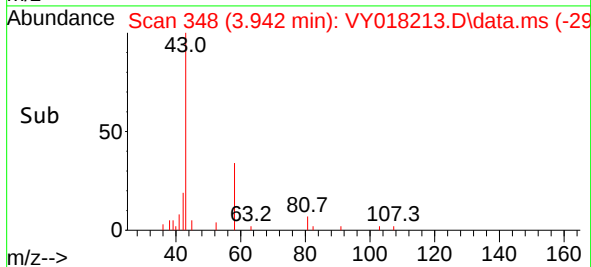
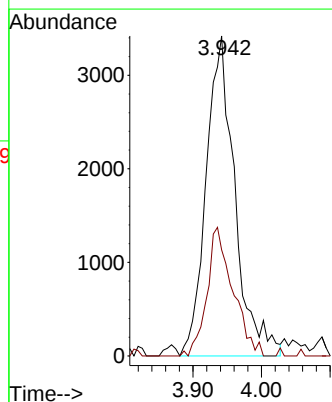
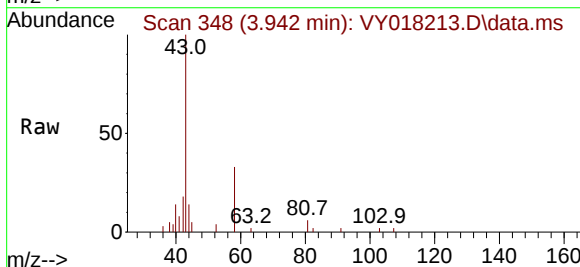
Instrument :  
MSVOA\_Y  
ClientSampleId :  
1011UMR-SS002-1224-01

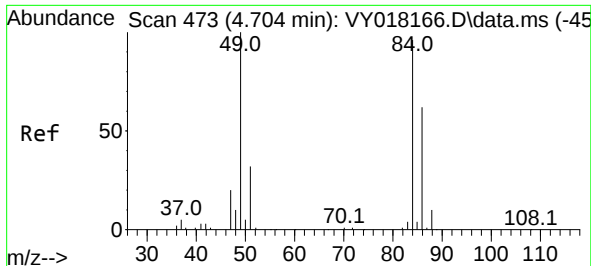
Tgt Ion:168 Resp: 175937  
Ion Ratio Lower Upper  
168 100  
99 52.9 39.1 58.7



#16  
Acetone  
Concen: 38.584 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY018213.D  
Acq: 09 May 2024 16:30

Tgt Ion: 43 Resp: 9966  
Ion Ratio Lower Upper  
43 100  
58 33.2 31.7 47.5

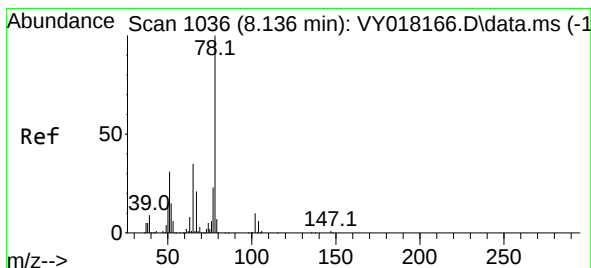
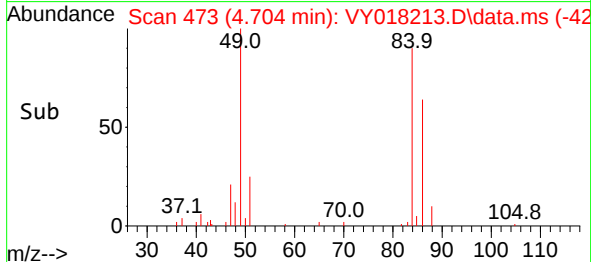
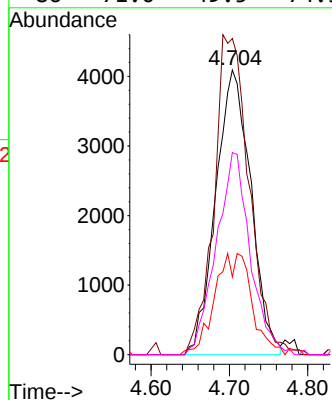
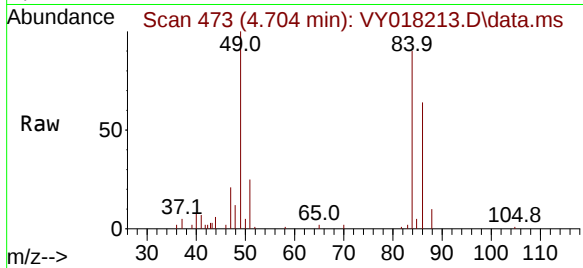




#20  
Methylene Chloride  
Concen: 6.988 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY018213.D  
Acq: 09 May 2024 16:30

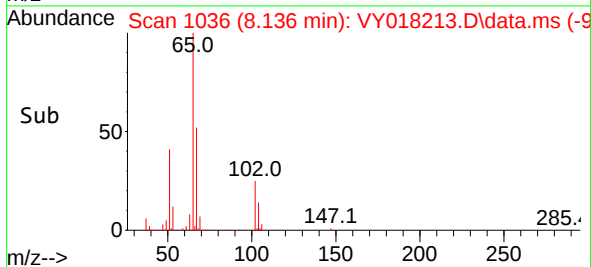
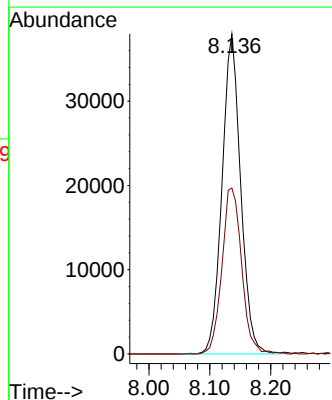
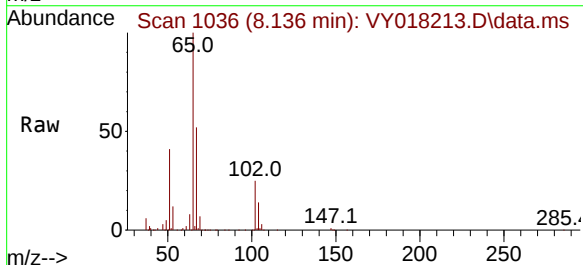
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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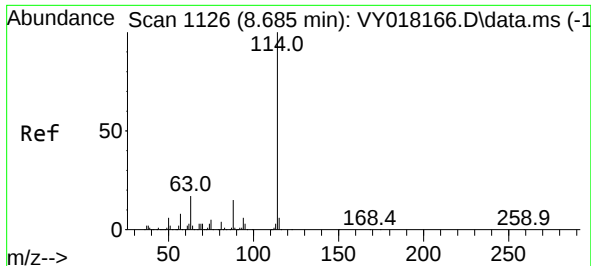
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12757 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 111.1 | 84.4  | 126.6 |
| 51       | 27.3  | 26.0  | 39.0  |
| 86       | 71.0  | 49.5  | 74.3  |



#33  
1,2-Dichloroethane-d4  
Concen: 62.491 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY018213.D  
Acq: 09 May 2024 16:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 80883 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 54.7  | 0.0   | 109.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY018213.D

Acq: 09 May 2024 16:30

Instrument :

MSVOA\_Y

ClientSampleId :

1011UMR-SS002-1224-01

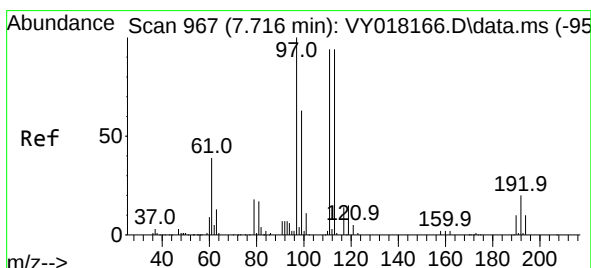
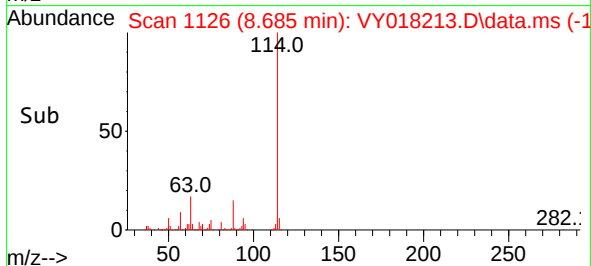
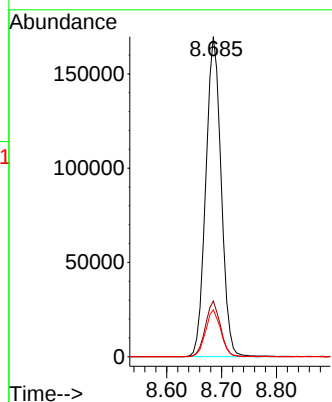
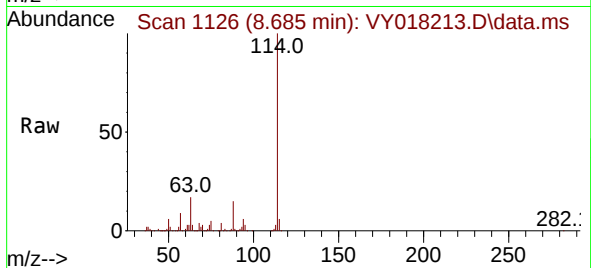
Tgt Ion:114 Resp: 329775

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 14.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.533 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY018213.D

Acq: 09 May 2024 16:30

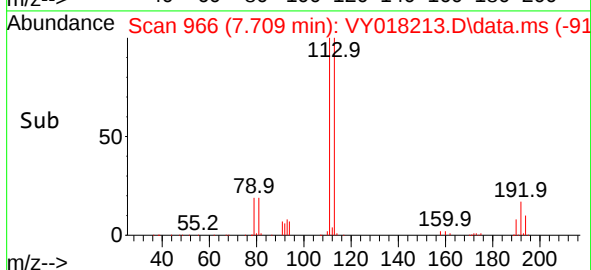
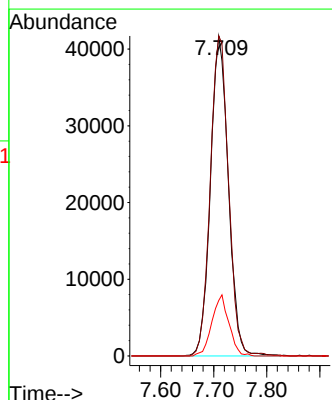
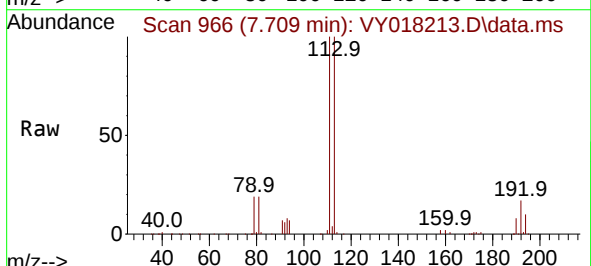
Tgt Ion:113 Resp: 97978

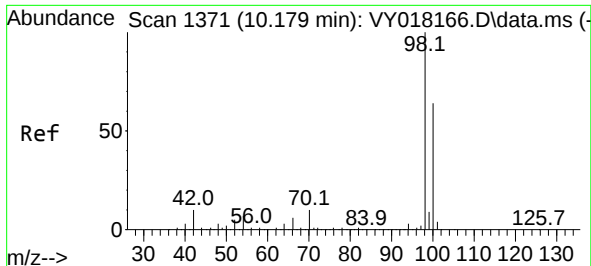
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 18.1 15.9 23.9

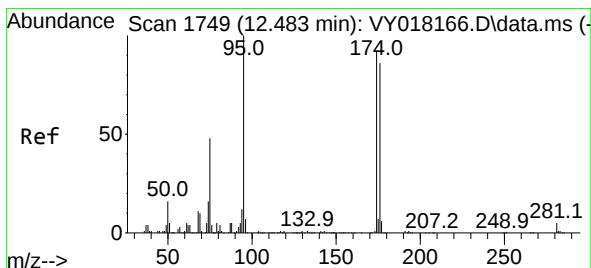
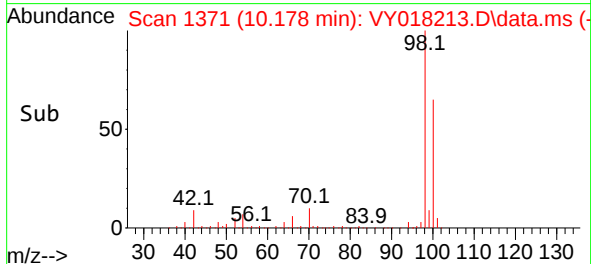
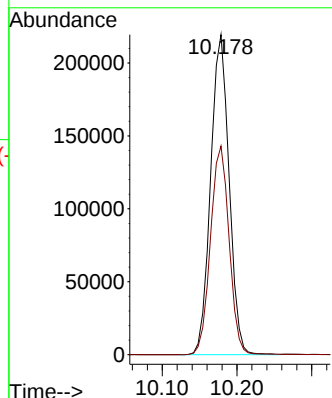
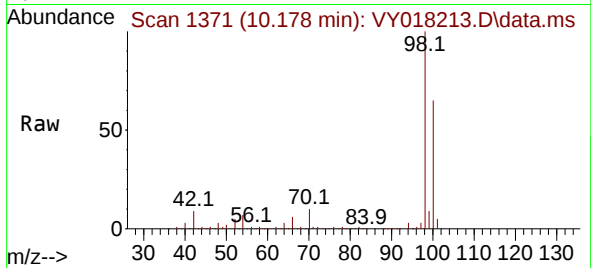




#50  
Toluene-d8  
Concen: 55.038 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018213.D  
Acq: 09 May 2024 16:30

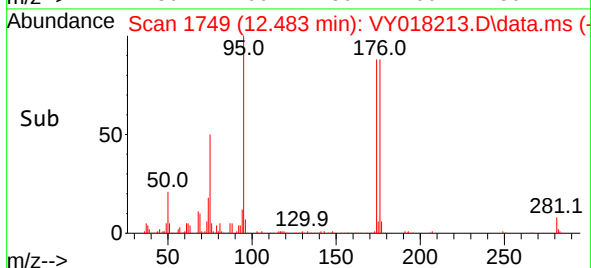
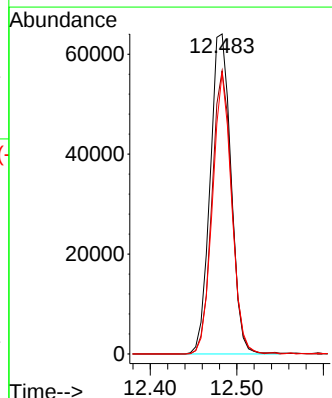
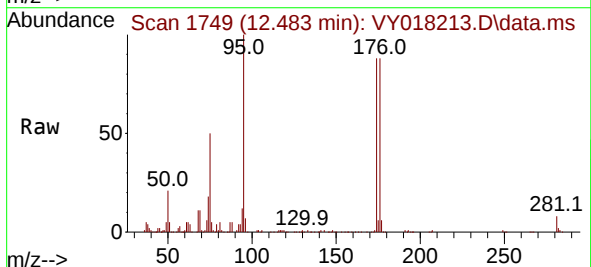
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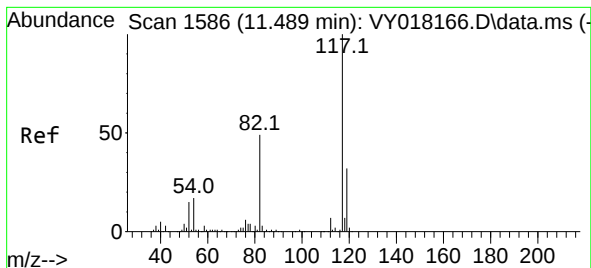
Tgt Ion: 98 Resp: 375885  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 48.596 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY018213.D  
Acq: 09 May 2024 16:30

Tgt Ion: 95 Resp: 107181  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 175.6  
176 80.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018213.D

Acq: 09 May 2024 16:30

Instrument :

MSVOA\_Y

ClientSampleId :

1011UMR-SS002-1224-01

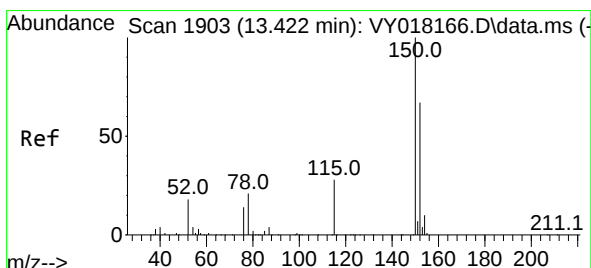
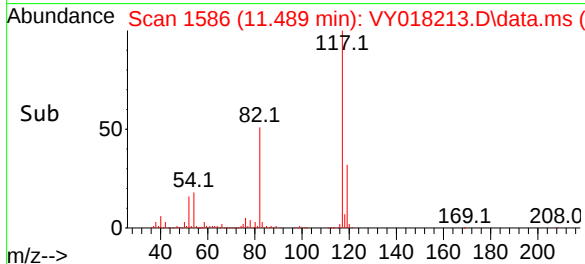
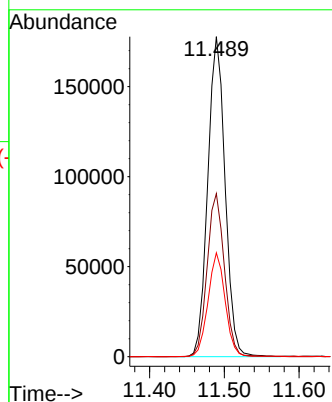
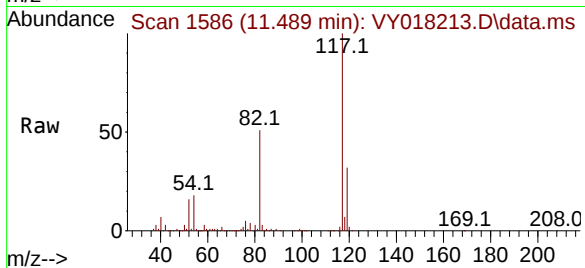
Tgt Ion:117 Resp: 286090

Ion Ratio Lower Upper

117 100

82 50.9 42.4 63.6

119 32.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018213.D

Acq: 09 May 2024 16:30

Tgt Ion:152 Resp: 99957

Ion Ratio Lower Upper

152 100

115 59.6 28.2 84.7

150 158.0 0.0 345.6

