

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY123124\  
 Data File : VY020763.D  
 Acq On : 31 Dec 2024 12:26  
 Operator : SY/MD  
 Sample : P5398-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 341-349

Quant Time: Jan 01 00:22:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122624S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 26 16:12:28 2024  
 Response via : Initial Calibration

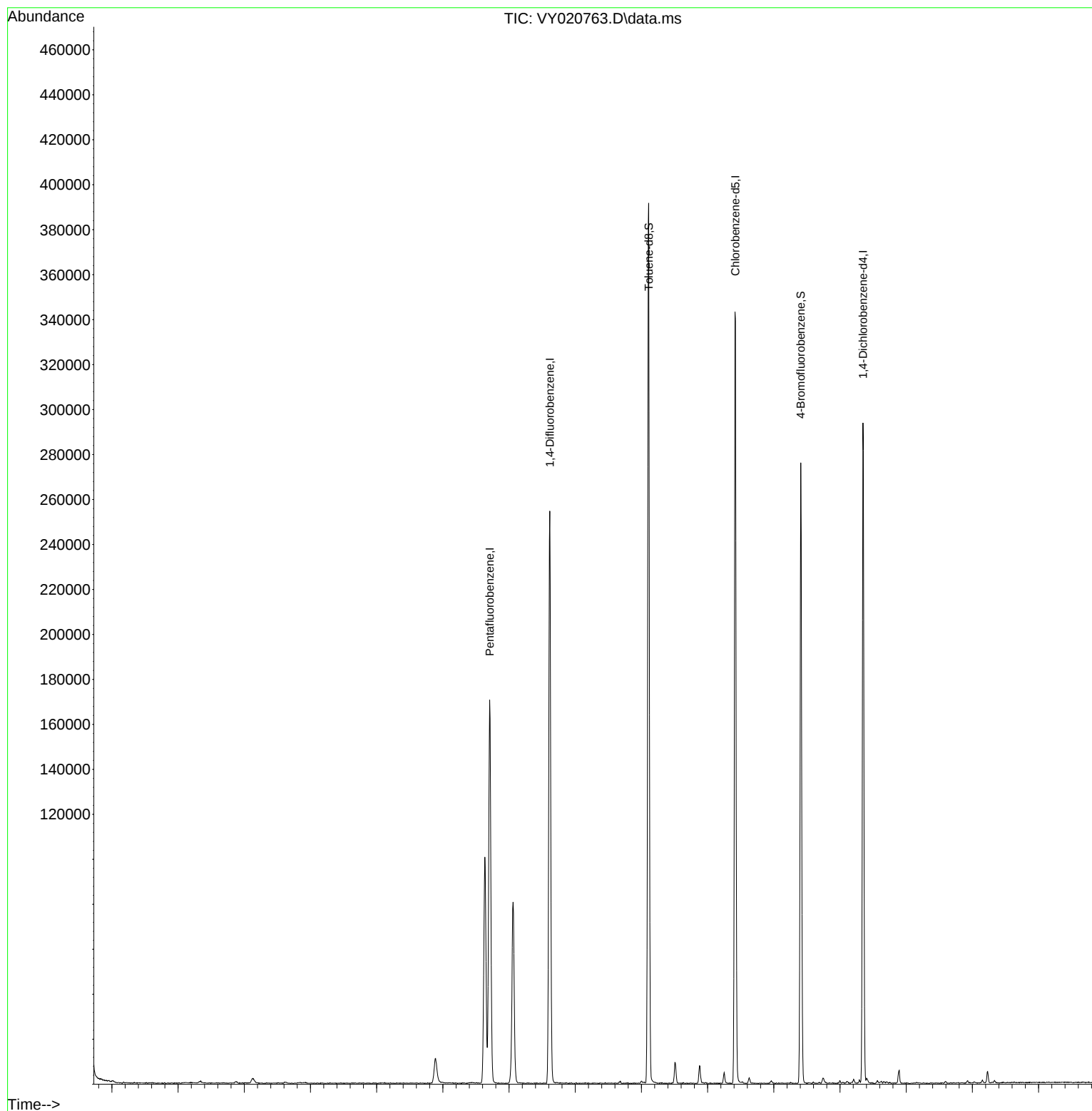
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.707  | 168   | 136624   | 50.000   | ug/l  | -0.02       |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 224550   | 50.000   | ug/l  | -0.01       |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 194816   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 77895    | 50.000   | ug/l  | 0.00        |
|                             |        |       |          |          |       |             |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 66393    | 59.328   | ug/l  | -0.01       |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 118.660%    |
| 35) Dibromofluoromethane    | 7.634  | 113   | 70218    | 56.771   | ug/l  | -0.01       |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 113.540%    |
| 50) Toluene-d8              | 10.109 | 98    | 262304   | 53.215   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 106.440%    |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 81604    | 49.646   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 99.300%     |
|                             |        |       |          |          |       |             |
| Target Compounds            |        |       |          |          |       |             |
| 51) 4-Methyl-2-Pentanone    | 10.006 | 43    | 696      | 1.260    | ug/l  | Qvalue # 86 |
| -----                       |        |       |          |          |       |             |

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

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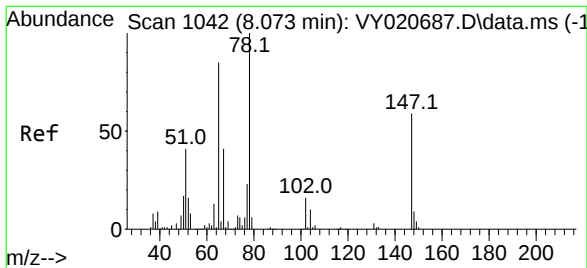
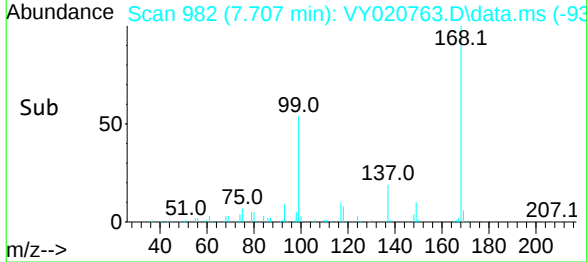
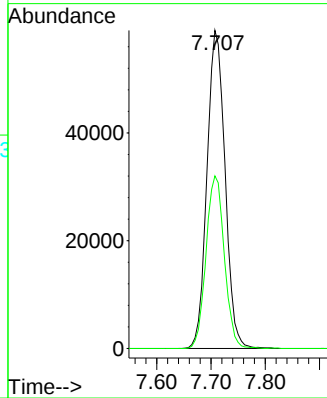
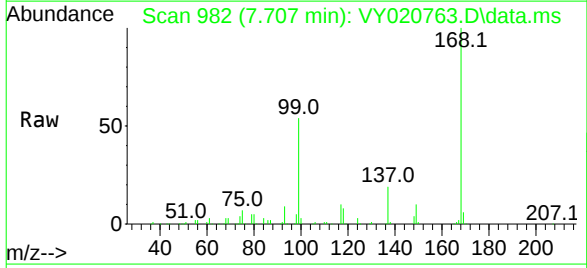




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 98  
Delta R.T. -0.018 min  
Lab File: VY020763.D  
Acq: 31 Dec 2024 12:26

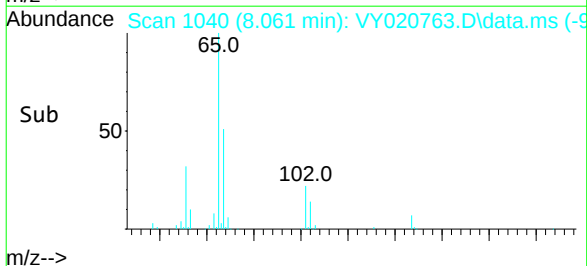
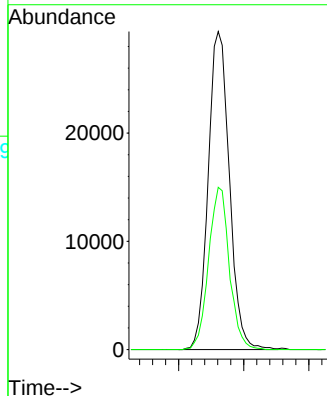
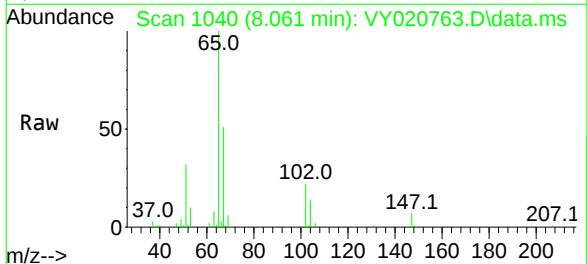
Instrument :  
MSVOA\_Y  
ClientSampleId :  
341-349

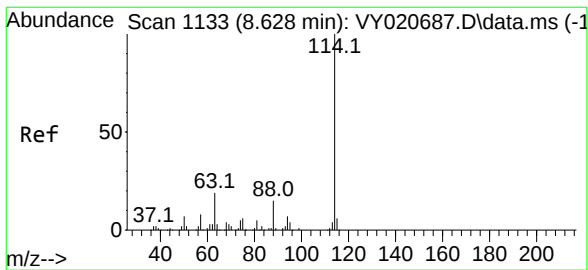
Tgt Ion:168 Resp: 136624  
Ion Ratio Lower Upper  
168 100  
99 54.3 43.8 65.6



#33  
1,2-Dichloroethane-d4  
Concen: 59.328 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY020763.D  
Acq: 31 Dec 2024 12:26

Tgt Ion: 65 Resp: 66393  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Instrument :

MSVOA\_Y

ClientSampleId :

341-349

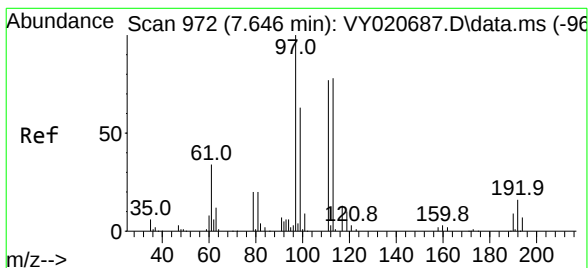
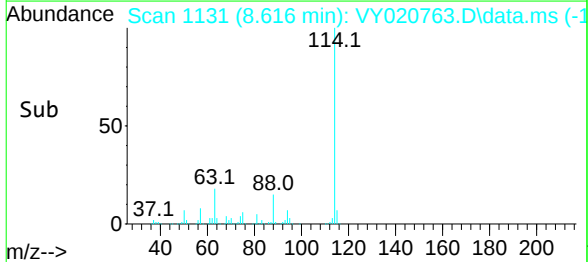
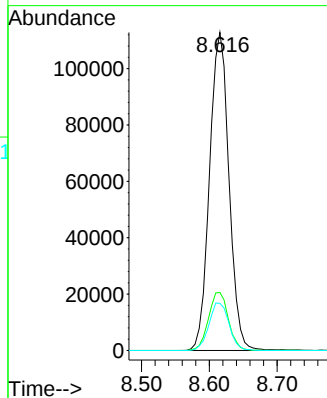
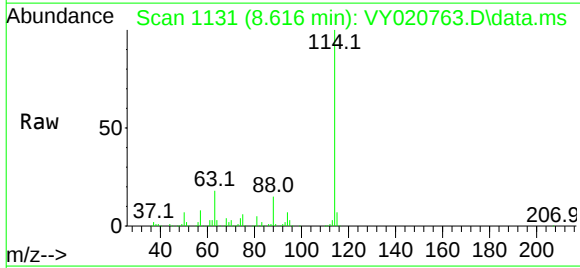
Tgt Ion:114 Resp: 224550

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.8 0.0 30.4



#35

Dibromofluoromethane

Concen: 56.771 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.012 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

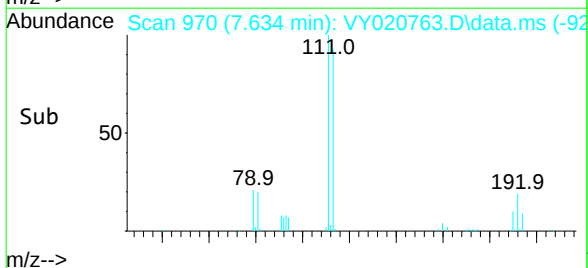
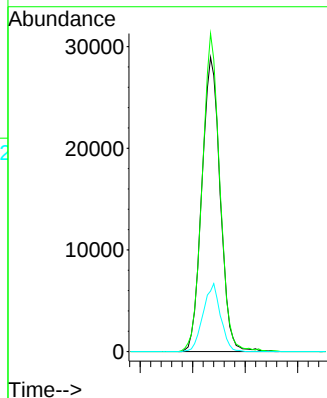
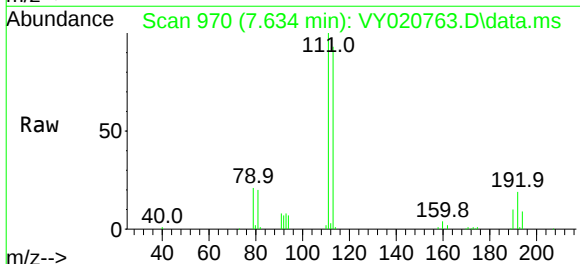
Tgt Ion:113 Resp: 70218

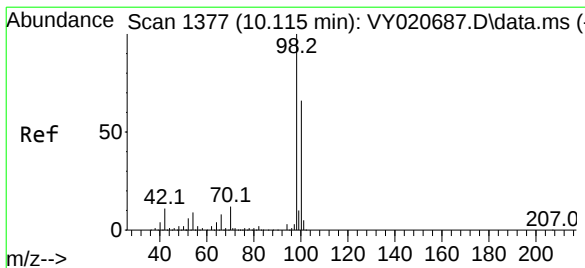
Ion Ratio Lower Upper

113 100

111 103.8 79.8 119.8

192 21.8 17.0 25.6





#50

Toluene-d8

Concen: 53.215 ug/l

RT: 10.109 min Scan# 1377

Delta R.T. -0.006 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Instrument :

MSVOA\_Y

ClientSampleId :

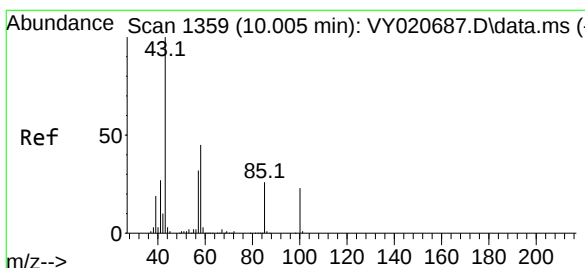
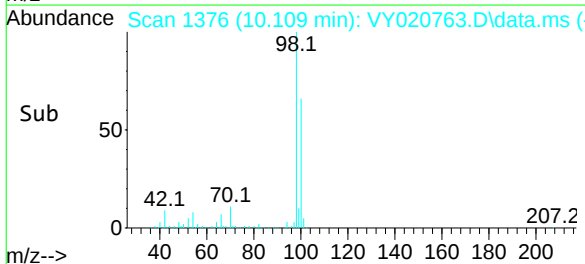
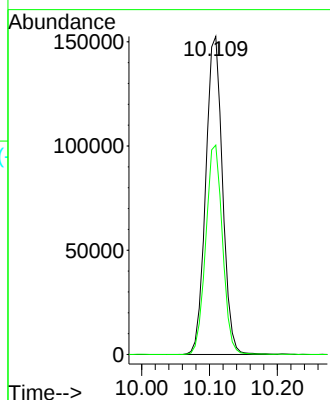
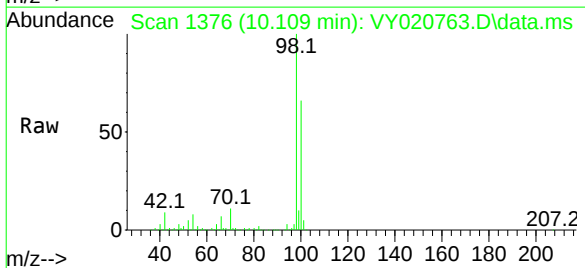
341-349

Tgt Ion: 98 Resp: 262304

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.260 ug/l

RT: 10.006 min Scan# 1359

Delta R.T. 0.001 min

Lab File: VY020763.D

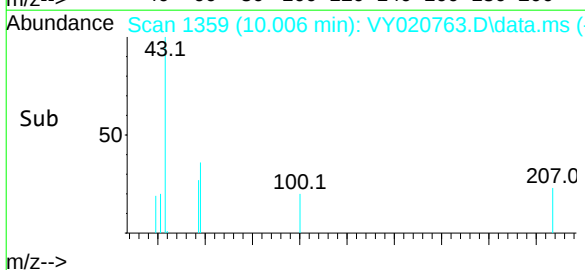
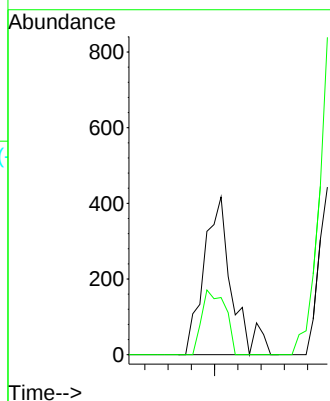
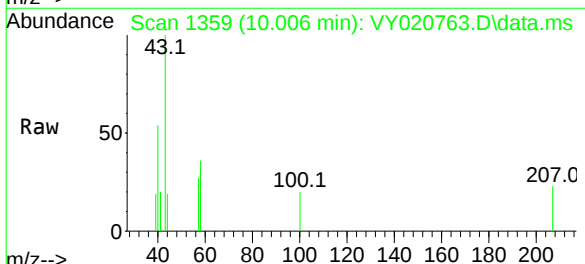
Acq: 31 Dec 2024 12:26

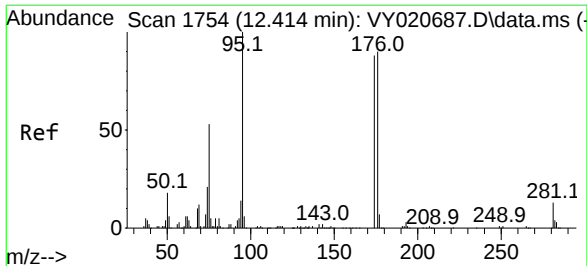
Tgt Ion: 43 Resp: 696

Ion Ratio Lower Upper

43 100

58 34.6 35.1 52.7#





#62

4-Bromofluorobenzene

Concen: 49.646 ug/l

RT: 12.408 min Scan# 1754

Delta R.T. -0.006 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

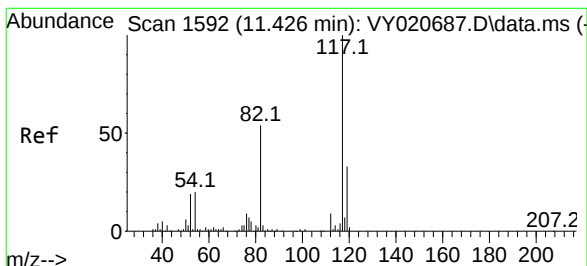
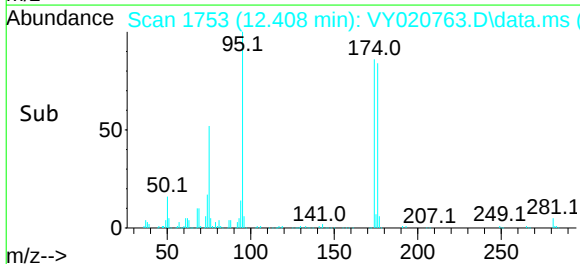
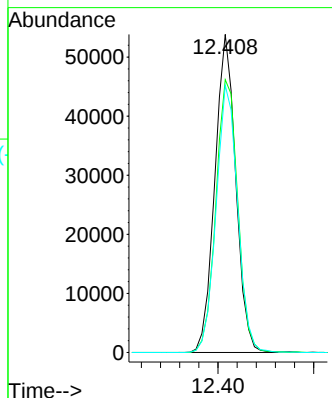
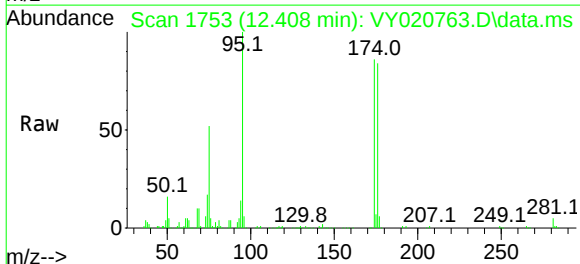
Instrument :

MSVOA\_Y

ClientSampleId :

341-349

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 81604 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 89.9  | 0.0   | 179.2 |
| 176       | 86.5  | 0.0   | 179.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

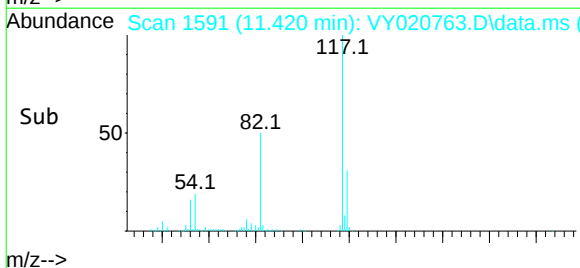
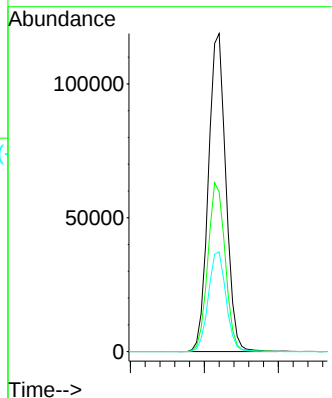
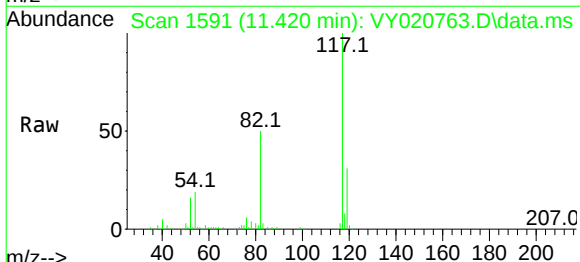
RT: 11.420 min Scan# 1591

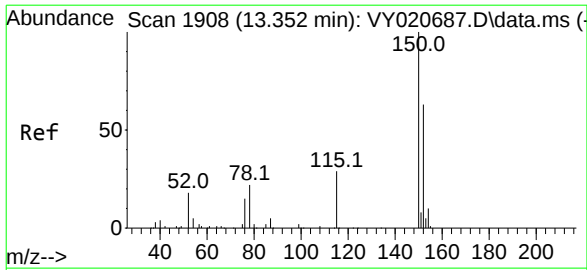
Delta R.T. -0.006 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

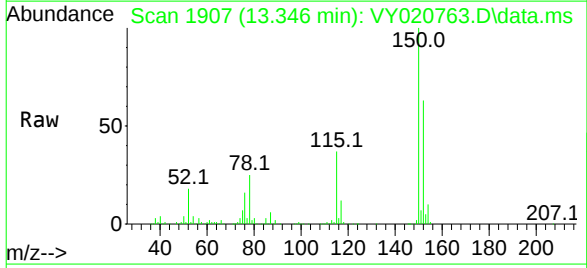
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 194816 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 50.1  | 43.4  | 65.2   |
| 119       | 31.4  | 26.6  | 39.8   |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 19  
Delta R.T. -0.006 min  
Lab File: VY020763.D  
Acq: 31 Dec 2024 12:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
341-349



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 77895 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 58.3  | 30.3  | 90.9  |
| 150      | 158.8 | 0.0   | 349.0 |

