

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102822\  
 Data File : VY011191.D  
 Acq On : 29 Oct 2022 05:46  
 Operator : KP/MD  
 Sample : N5310-15  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BIN 1-2-(2840)-VOC-11

Quant Time: Oct 29 06:48:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 23:42:14 2022  
 Response via : Initial Calibration

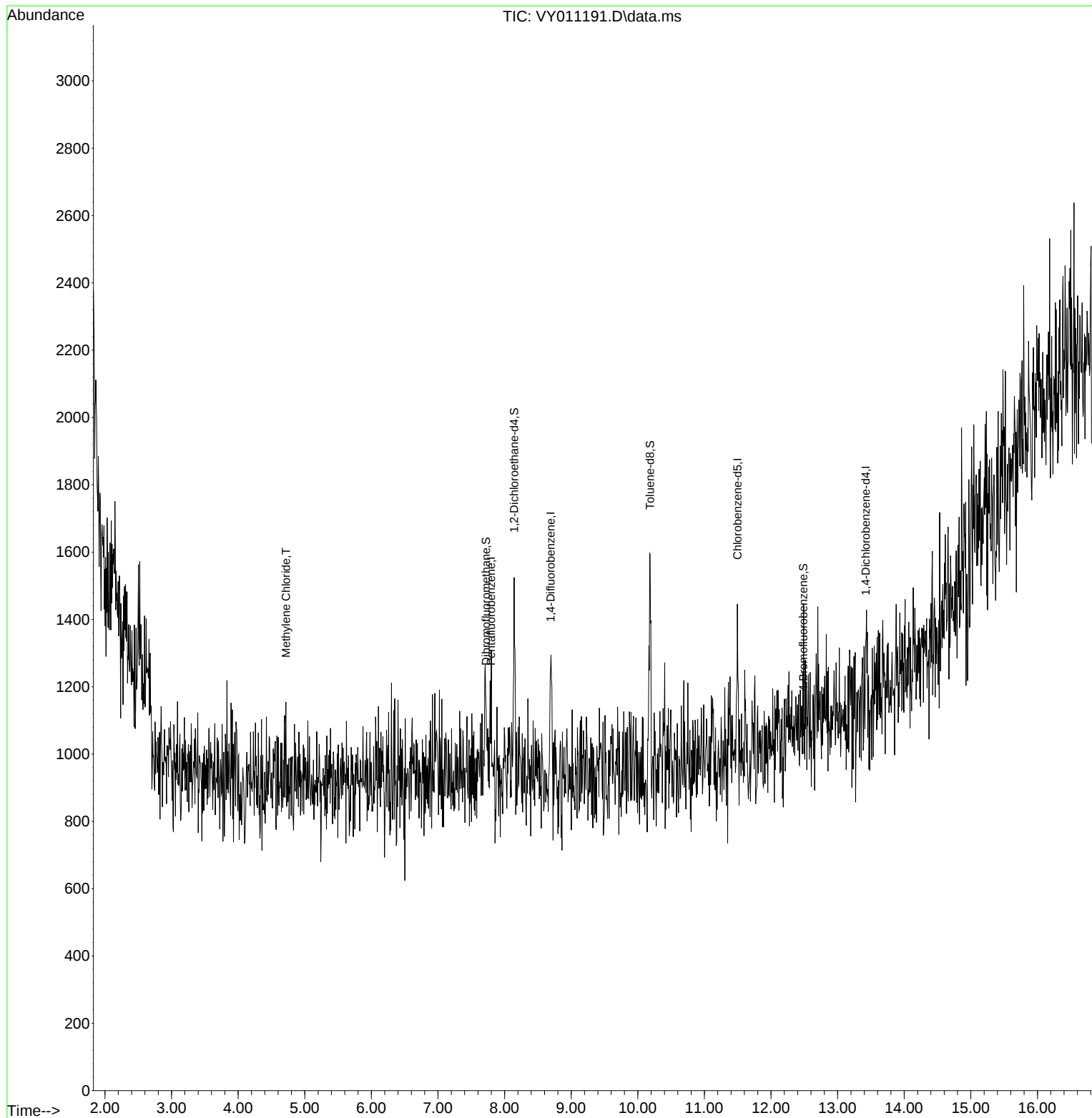
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.795  | 168   | 225      | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 540      | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 293      | 50.000   | ug/l  | # 0.00    |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 42       | 50.000   | ug/l  | # 0.00    |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 409      | 175.798  | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 351.600%# |
| 35) Dibromofluoromethane    | 7.722  | 113   | 279      | 84.016   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 168.040%# |
| 50) Toluene-d8              | 10.185 | 98    | 542      | 41.198   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 82.400%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 87       | 20.210   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 40.420%   |
| Target Compounds            |        |       |          |          |       |           |
|                             |        |       |          |          |       | Qvalue    |
| 20) Methylene Chloride      | 4.716  | 84    | 50       | 16.795   | ug/l  | # 29      |
| -----                       |        |       |          |          |       |           |

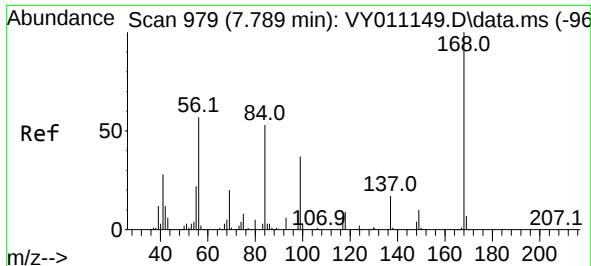
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BIN 1-2-(2840)-VOC-11

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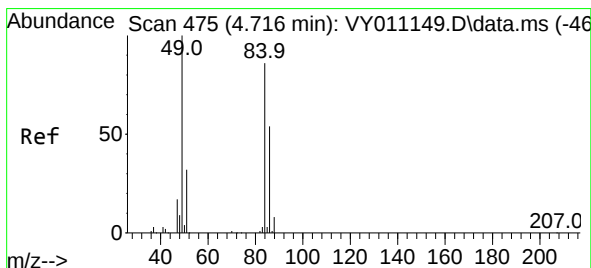
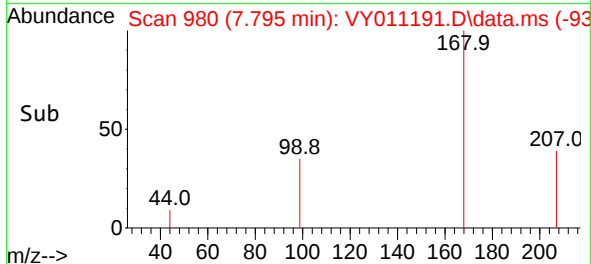
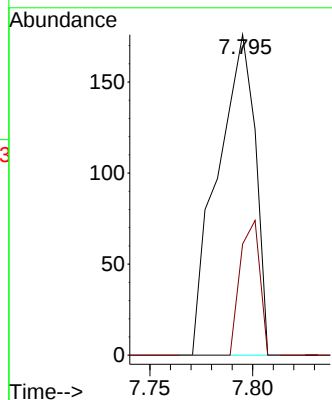
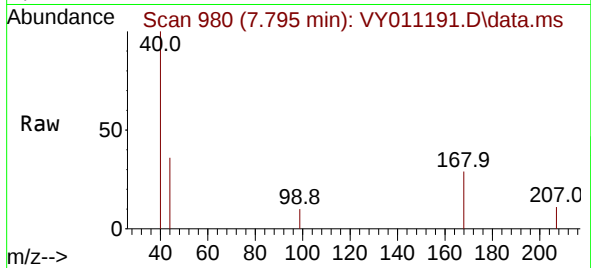




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY011191.D  
Acq: 29 Oct 2022 05:46

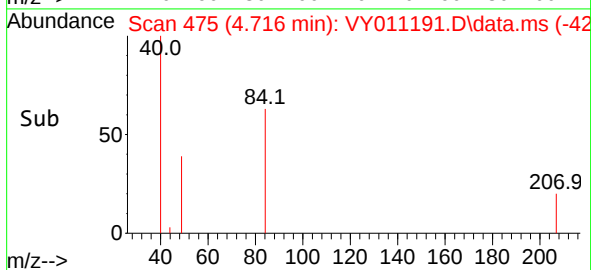
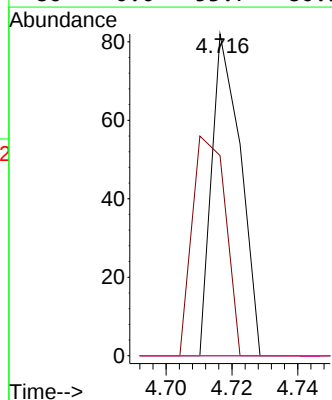
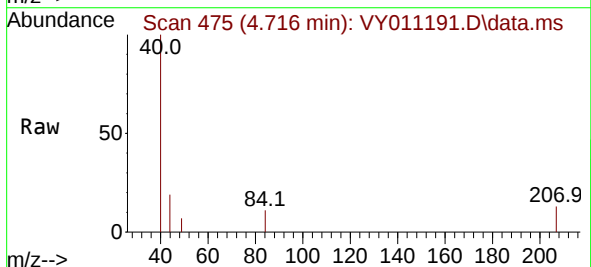
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BIN 1-2-(2840)-VOC-11

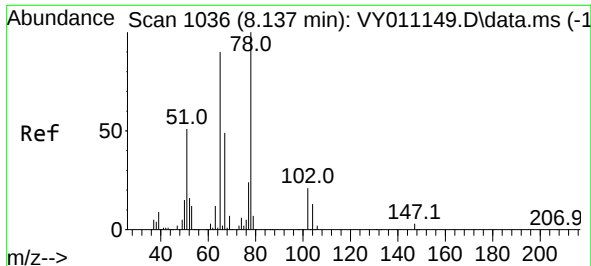
Tgt Ion:168 Resp: 225  
Ion Ratio Lower Upper  
168 100  
99 34.7 46.9 70.3#



#20  
Methylene Chloride  
Concen: 16.795 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY011191.D  
Acq: 29 Oct 2022 05:46

Tgt Ion: 84 Resp: 50  
Ion Ratio Lower Upper  
84 100  
49 62.2 114.4 171.6#  
51 0.0 35.3 52.9#  
86 0.0 53.7 80.5#





#33

1,2-Dichloroethane-d4

Concen: 175.798 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY011191.D

Acq: 29 Oct 2022 05:46

Instrument :

MSVOA\_Y

ClientSampleId :

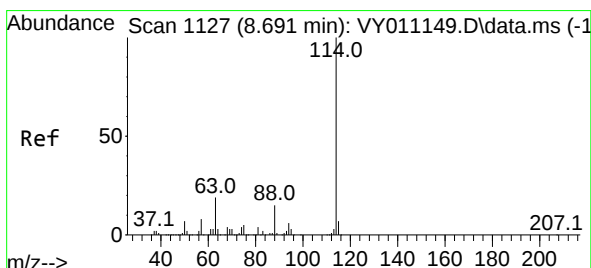
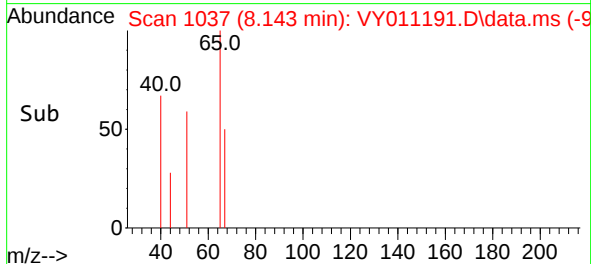
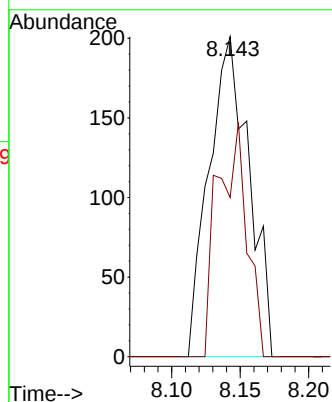
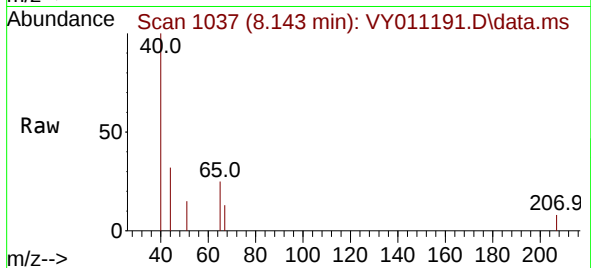
BIN 1-2-(2840)-VOC-11

Tgt Ion: 65 Resp: 409

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011191.D

Acq: 29 Oct 2022 05:46

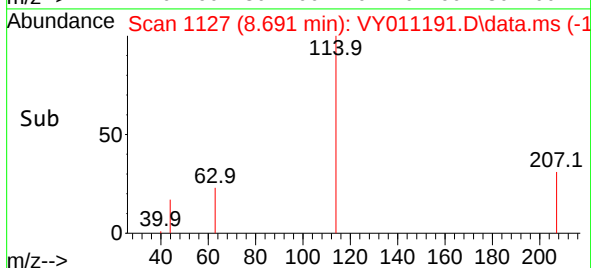
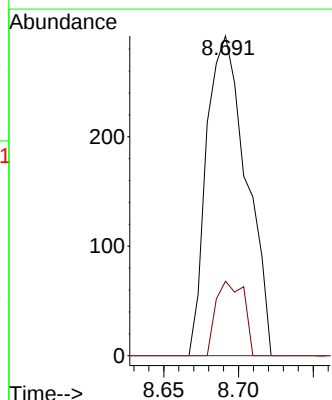
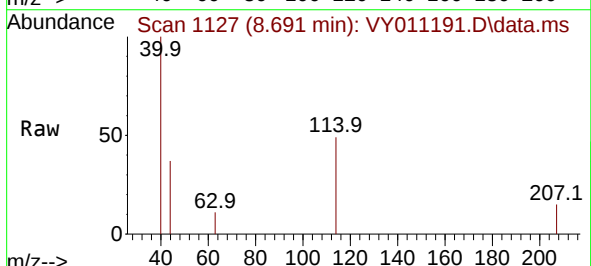
Tgt Ion: 114 Resp: 540

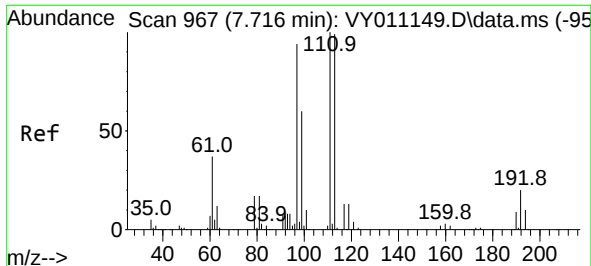
Ion Ratio Lower Upper

114 100

63 23.3 0.0 43.2

88 0.0 0.0 31.8

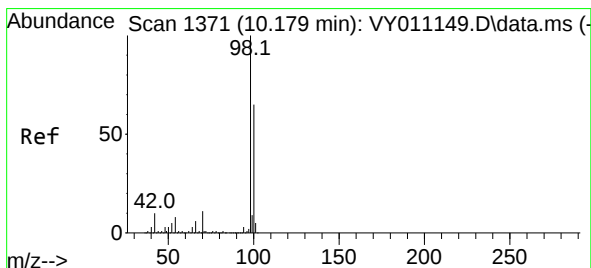
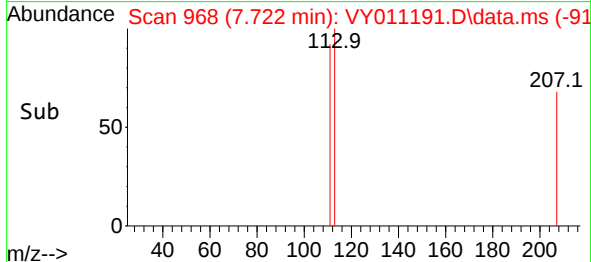
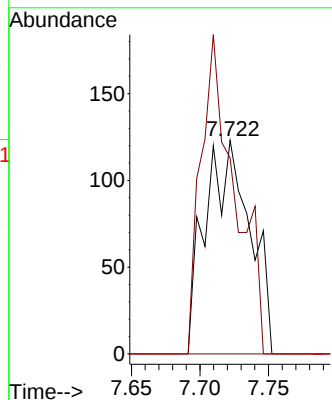
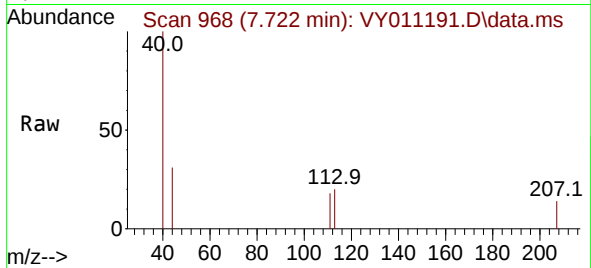




#35  
Dibromofluoromethane  
Concen: 84.016 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY011191.D  
Acq: 29 Oct 2022 05:46

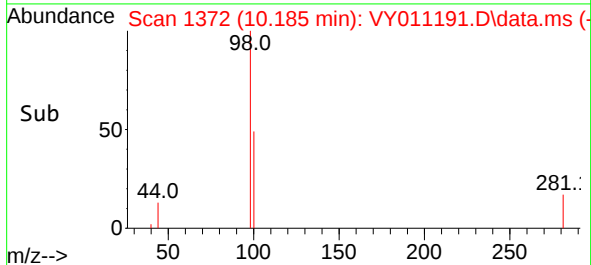
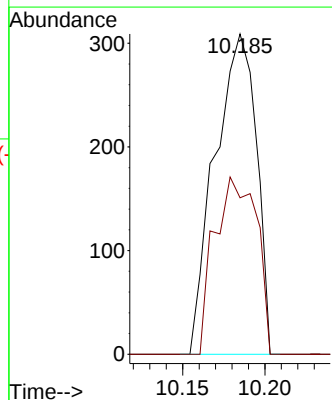
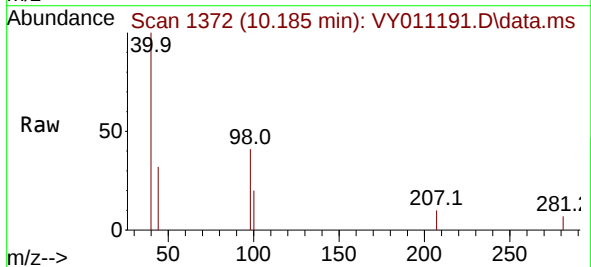
Instrument :  
MSVOA\_Y  
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BIN 1-2-(2840)-VOC-11

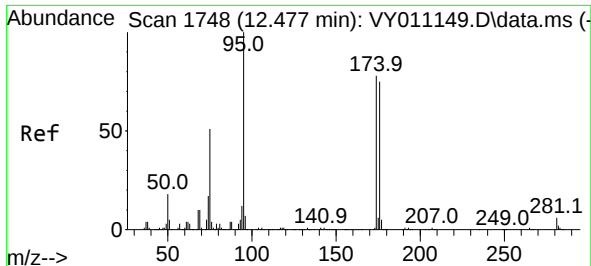
Tgt Ion:113 Resp: 279  
Ion Ratio Lower Upper  
113 100  
111 114.0 82.6 124.0  
192 0.0 17.6 26.4#



#50  
Toluene-d8  
Concen: 41.198 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY011191.D  
Acq: 29 Oct 2022 05:46

Tgt Ion: 98 Resp: 542  
Ion Ratio Lower Upper  
98 100  
100 56.3 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 20.210 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY011191.D

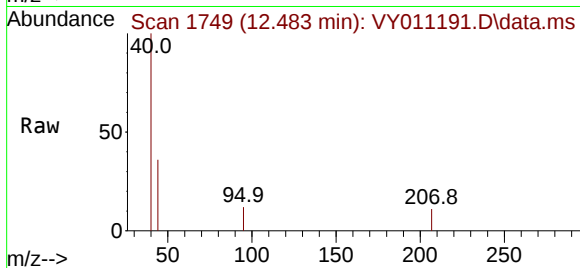
Acq: 29 Oct 2022 05:46

Instrument :

MSVOA\_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-11



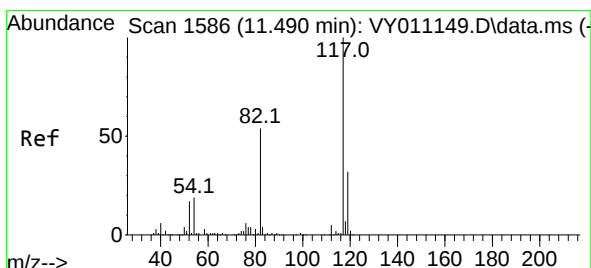
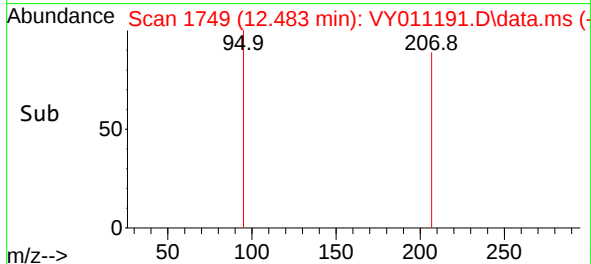
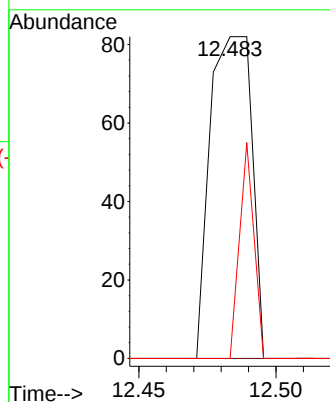
Tgt Ion: 95 Resp: 87

Ion Ratio Lower Upper

95 100

174 0.0 0.0 177.0

176 23.0 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VY011191.D

Acq: 29 Oct 2022 05:46

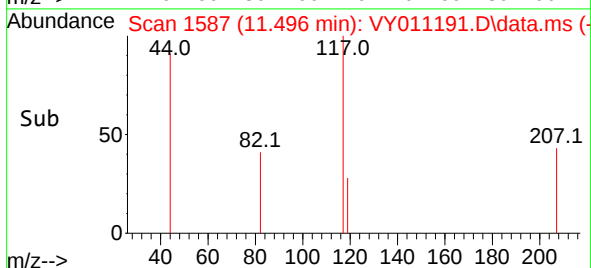
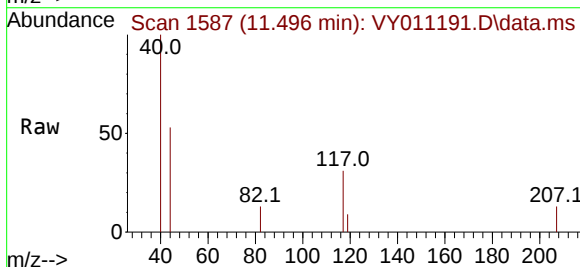
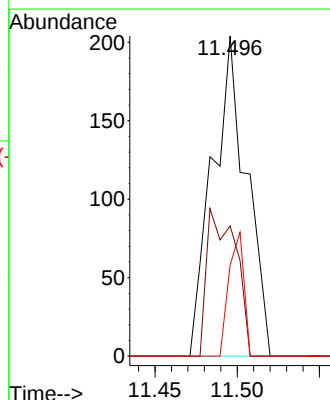
Tgt Ion: 117 Resp: 293

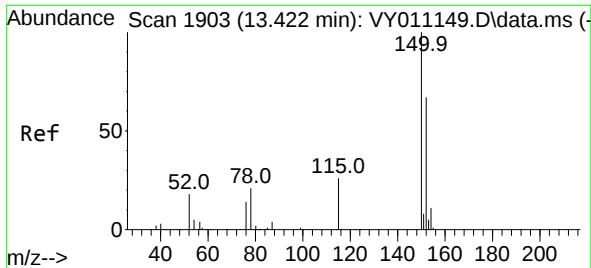
Ion Ratio Lower Upper

117 100

82 40.7 43.0 64.4#

119 28.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011191.D

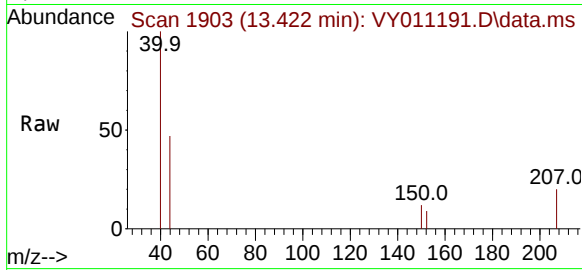
Acq: 29 Oct 2022 05:46

Instrument :

MSVOA\_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-11



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 42    |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 0.0   | 28.2  | 84.7# |
| 150      | 147.6 | 0.0   | 347.6 |

