

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121522\  
 Data File : VY011869.D  
 Acq On : 15 Dec 2022 14:14  
 Operator : KP/MD  
 Sample : N6038-15  
 Misc : 4.51g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB-36-(3-5)

Quant Time: Dec 16 00:14:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120922S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 10 04:19:59 2022  
 Response via : Initial Calibration

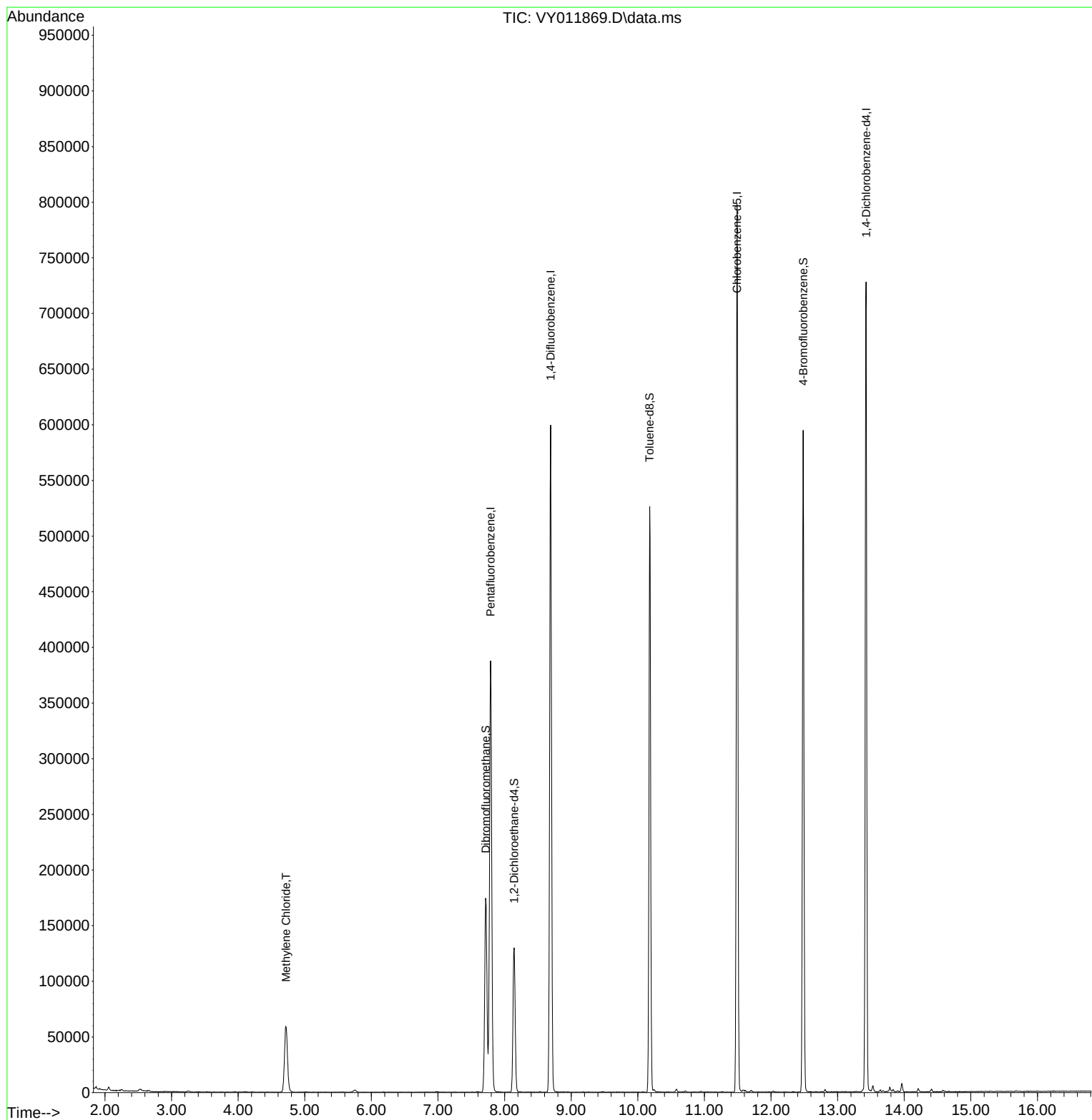
| Compound                    | R.T.   | QIon           | Response | Conc       | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|-------|----------|
| -----                       |        |                |          |            |       |          |
| Internal Standards          |        |                |          |            |       |          |
| 1) Pentafluorobenzene       | 7.789  | 168            | 302427   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114            | 500635   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117            | 433794   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152            | 191867   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |        |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65             | 106192   | 51.611     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | = 103.220% |       |          |
| 35) Dibromofluoromethane    | 7.716  | 113            | 121870   | 55.194     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | = 110.380% |       |          |
| 50) Toluene-d8              | 10.179 | 98             | 348043   | 47.378     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 49 - 140 | Recovery | = 94.760%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95             | 167148   | 58.349     | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range 25 - 144 | Recovery | = 116.700% |       |          |
| Target Compounds            |        |                |          |            |       | Qvalue   |
| 20) Methylene Chloride      | 4.716  | 84             | 47304    | 11.577     | ug/l  | 97       |
| -----                       |        |                |          |            |       |          |

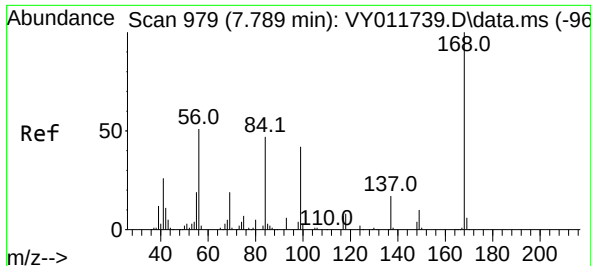
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
RB-36-(3-5)

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Quant Title : SW846 8260  
QLast Update : Sat Dec 10 04:19:59 2022  
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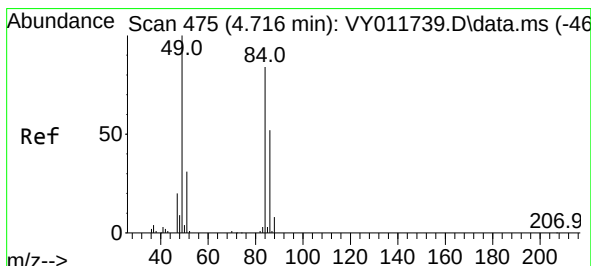
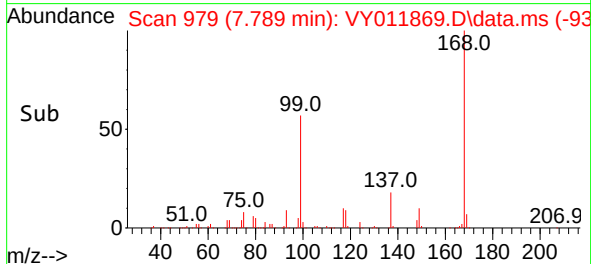
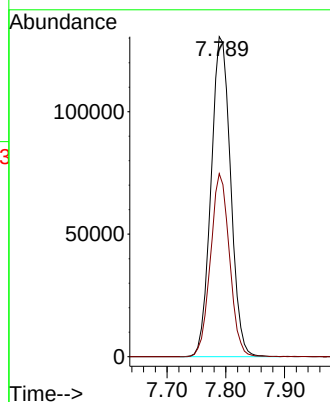
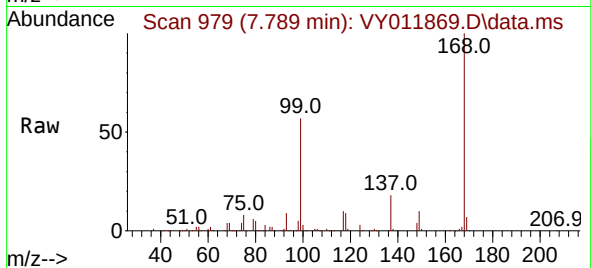




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011869.D  
Acq: 15 Dec 2022 14:14

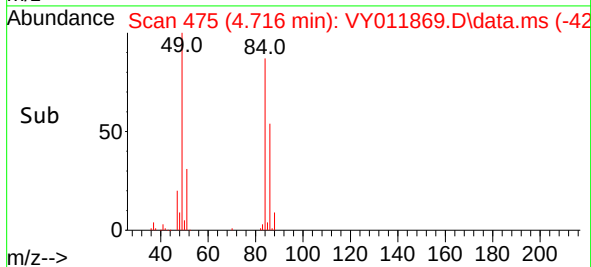
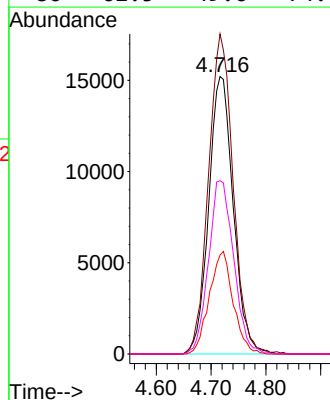
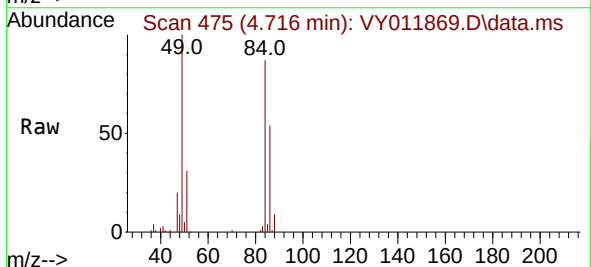
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RB-36-(3-5)

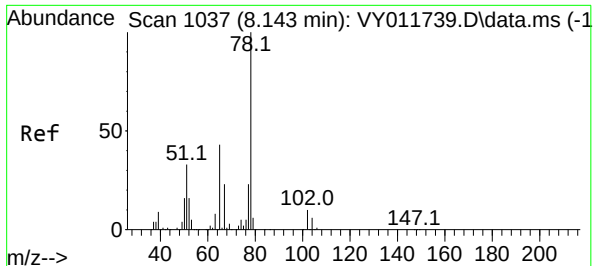
Tgt Ion:168 Resp: 302427  
Ion Ratio Lower Upper  
168 100  
99 57.2 44.0 66.0



#20  
Methylene Chloride  
Concen: 11.577 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY011869.D  
Acq: 15 Dec 2022 14:14

Tgt Ion: 84 Resp: 47304  
Ion Ratio Lower Upper  
84 100  
49 115.3 95.4 143.2  
51 35.6 29.9 44.9  
86 62.5 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 51.611 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011869.D

Acq: 15 Dec 2022 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

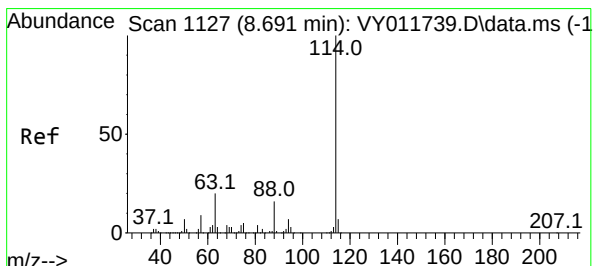
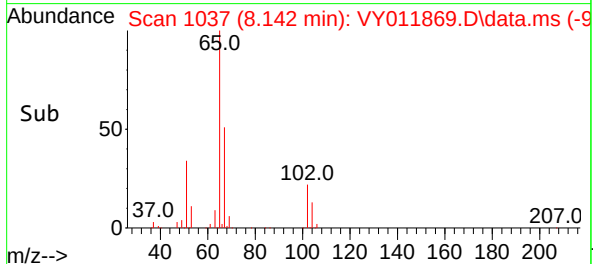
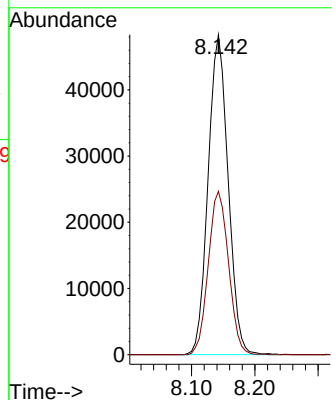
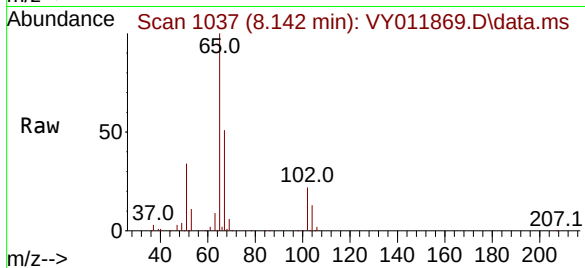
RB-36-(3-5)

Tgt Ion: 65 Resp: 106192

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011869.D

Acq: 15 Dec 2022 14:14

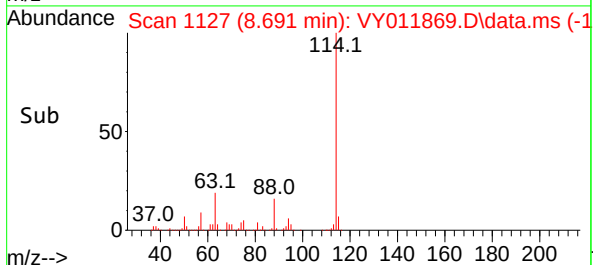
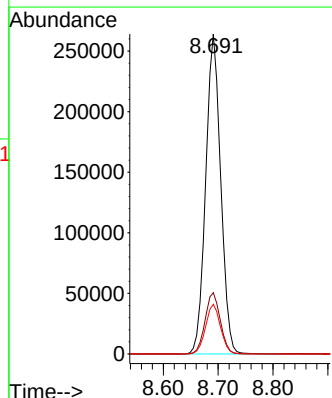
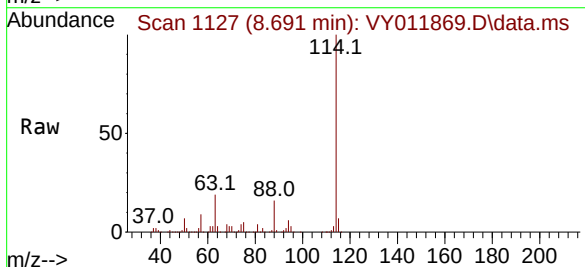
Tgt Ion: 114 Resp: 500635

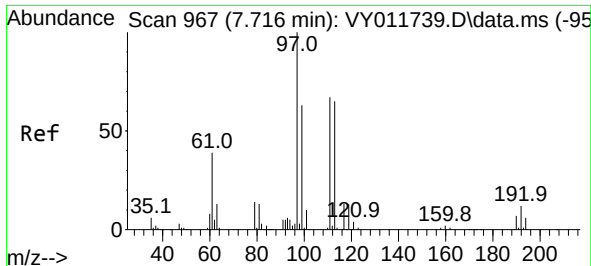
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 55.194 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY011869.D

Acq: 15 Dec 2022 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

RB-36-(3-5)

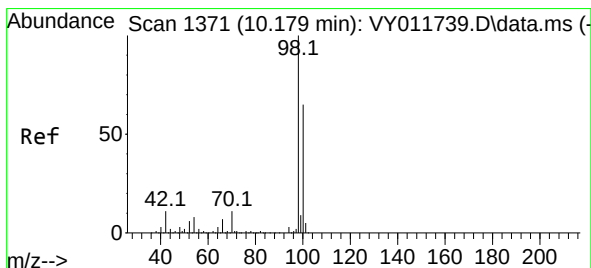
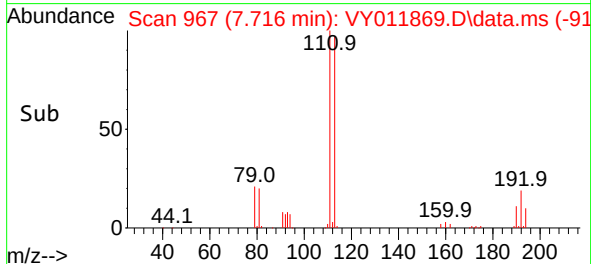
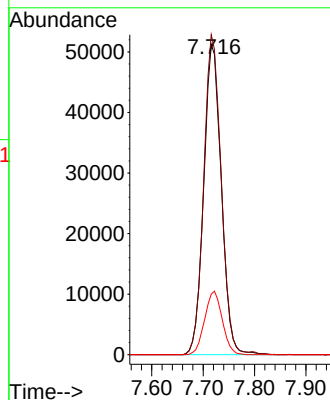
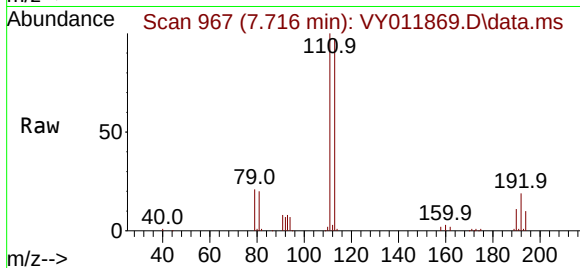
Tgt Ion:113 Resp: 121870

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

192 20.5 16.0 24.0



#50

Toluene-d8

Concen: 47.378 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011869.D

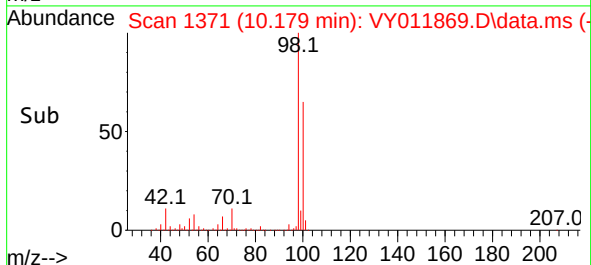
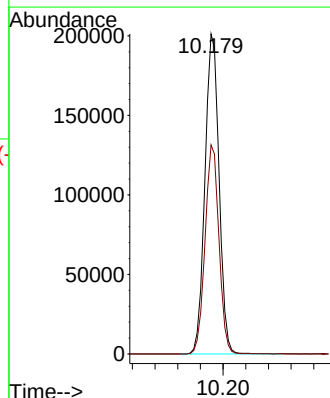
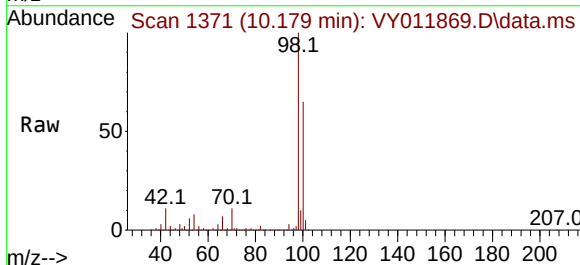
Acq: 15 Dec 2022 14:14

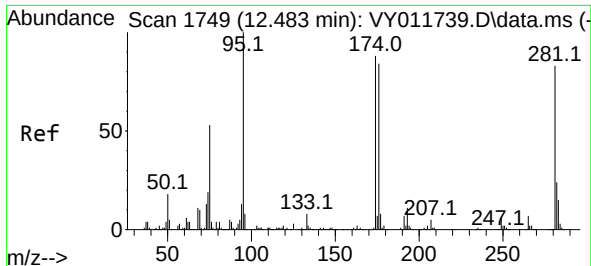
Tgt Ion: 98 Resp: 348043

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9

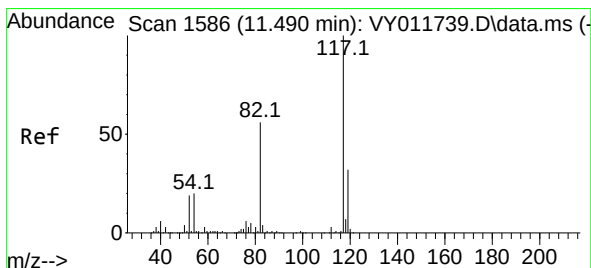
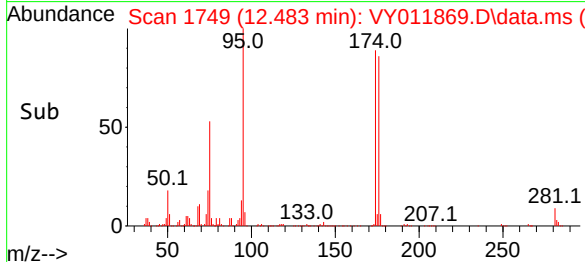
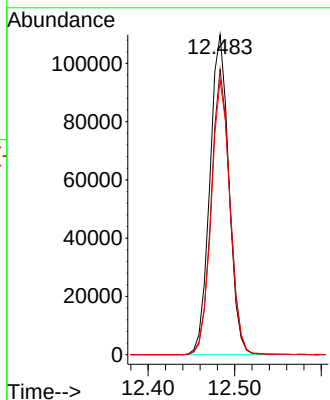
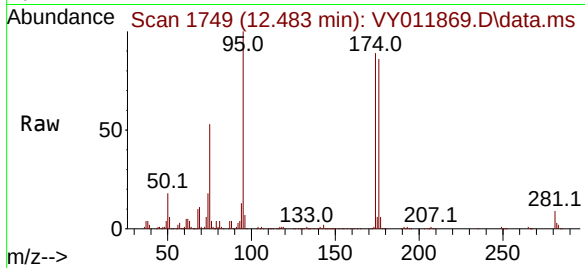




#62  
4-Bromofluorobenzene  
Concen: 58.349 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY011869.D  
Acq: 15 Dec 2022 14:14

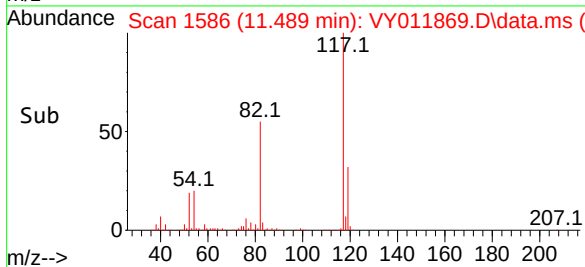
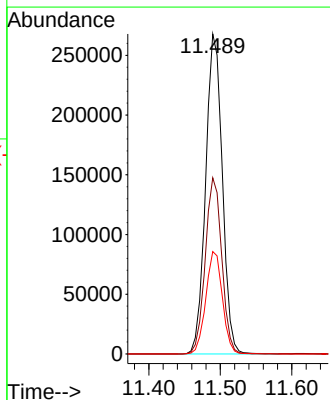
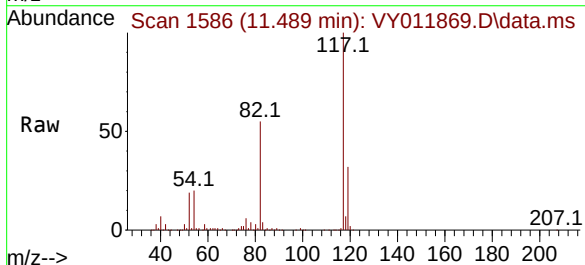
Instrument :  
MSVOA\_Y  
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RB-36-(3-5)

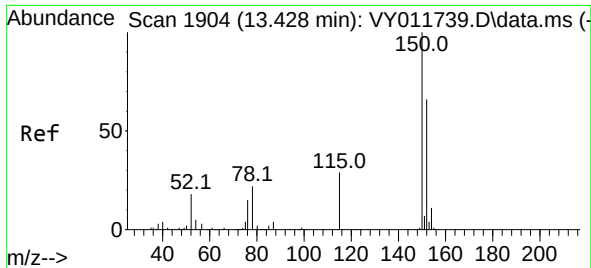
Tgt Ion: 95 Resp: 167148  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 172.0  
176 84.8 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY011869.D  
Acq: 15 Dec 2022 14:14

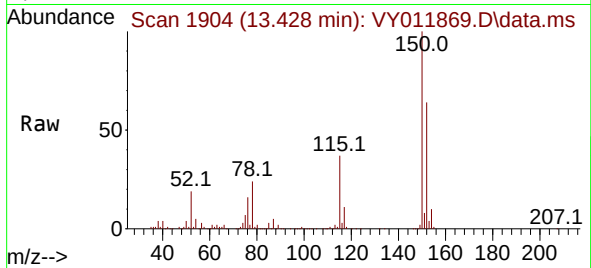
Tgt Ion:117 Resp: 433794  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.8 67.2  
119 32.0 25.4 38.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY011869.D  
 Acq: 15 Dec 2022 14:14

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RB-36-(3-5)



Tgt Ion:152 Resp: 191867  
 Ion Ratio Lower Upper  
 152 100  
 115 58.0 29.1 87.3  
 150 157.3 0.0 342.6

