

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012122\  
 Data File : VY007249.D  
 Acq On : 21 Jan 2022 13:14  
 Operator : SY/MD  
 Sample : VY0121SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0121SBL01

Quant Time: Jan 22 00:23:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 90055    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 169508   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 157313   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 66512    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 56968    | 51.555   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.120% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 56342    | 49.156   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.320%  |
| 50) Toluene-d8              | 10.185 | 98    | 206329   | 49.265   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 98.540%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 73623    | 49.419   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 98.840%  |

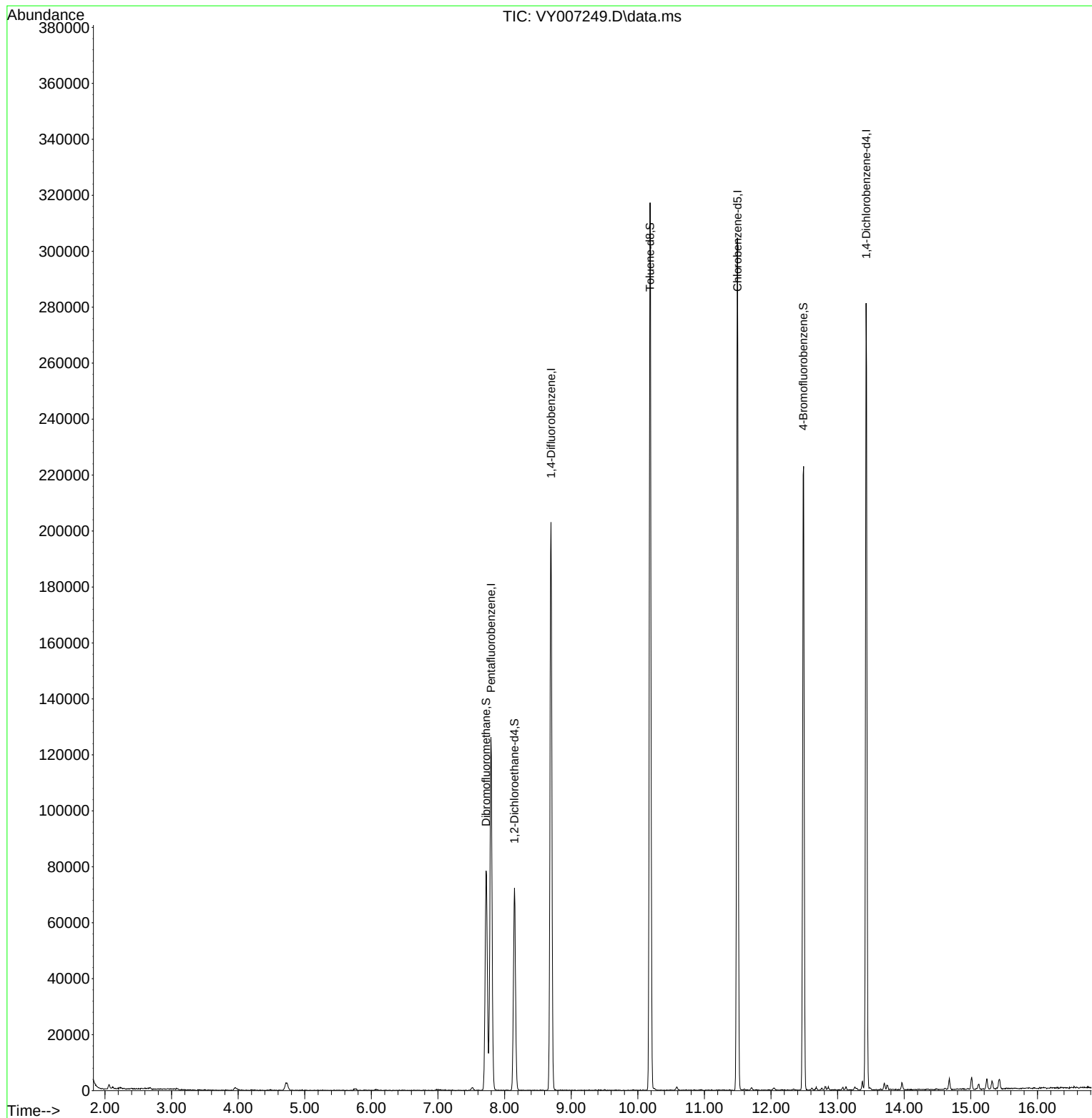
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

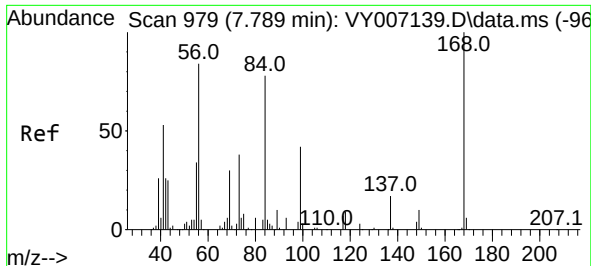
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Fri Jan 14 05:48:29 2022  
Response via : Initial Calibration

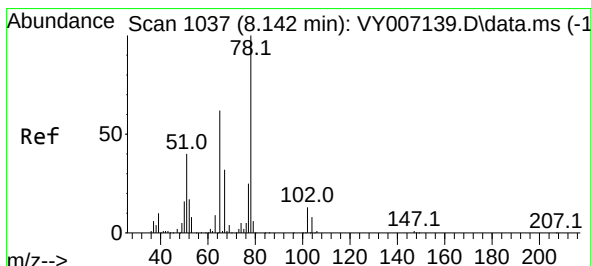
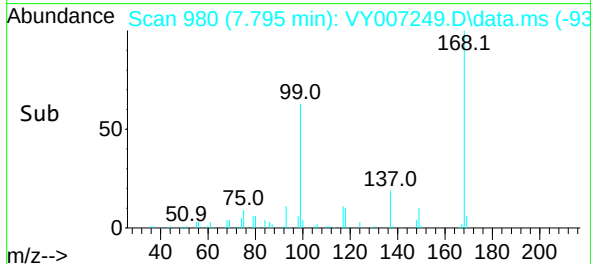
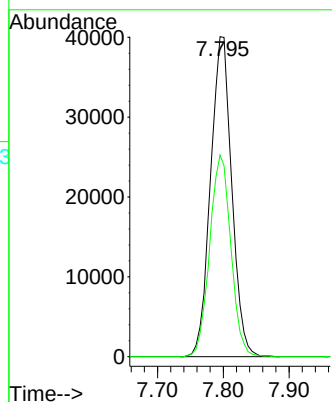
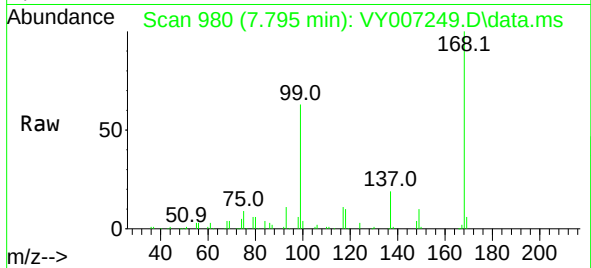




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007249.D  
Acq: 21 Jan 2022 13:14

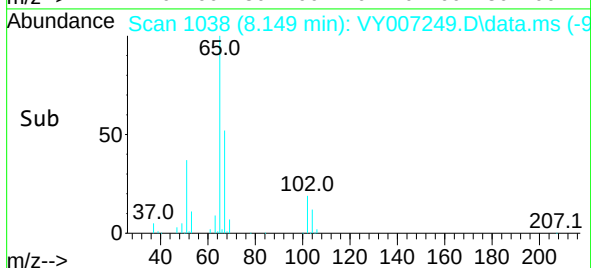
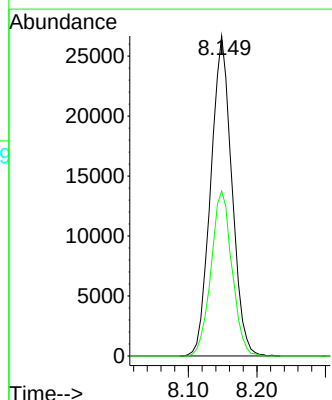
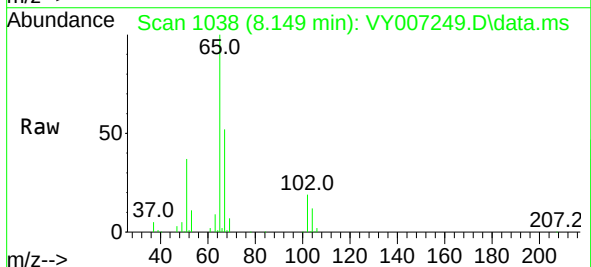
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0121SBL01

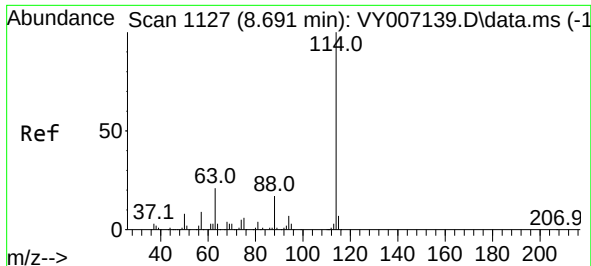
Tgt Ion:168 Resp: 90055  
Ion Ratio Lower Upper  
168 100  
99 63.0 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.555 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY007249.D  
Acq: 21 Jan 2022 13:14

Tgt Ion: 65 Resp: 56968  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 105.6

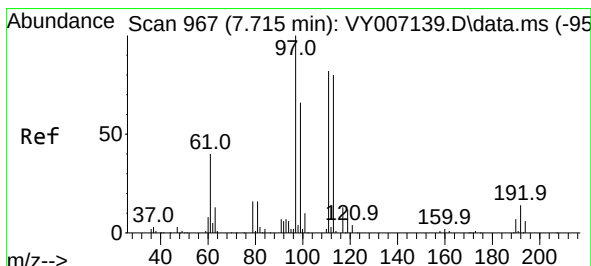
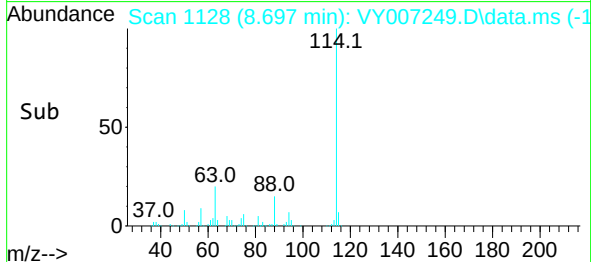
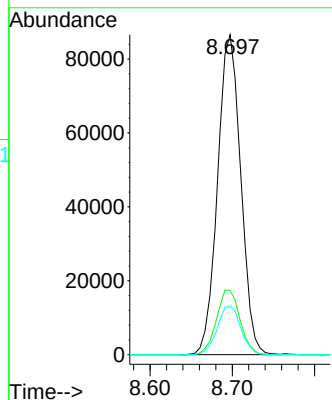
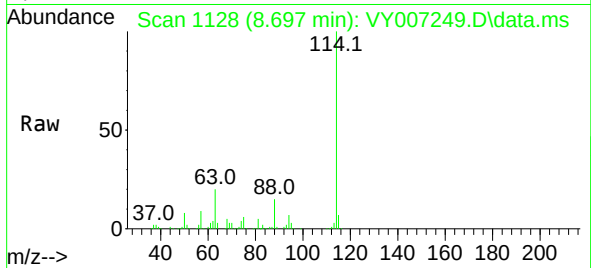




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY007249.D  
Acq: 21 Jan 2022 13:14

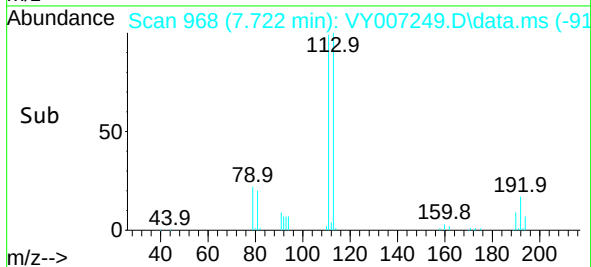
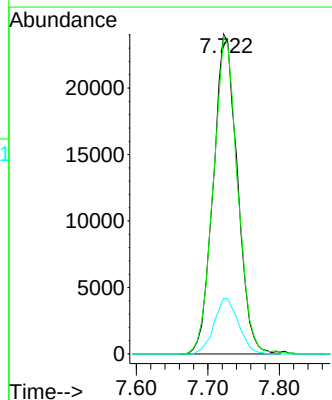
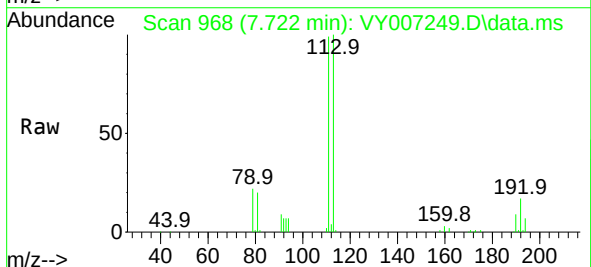
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0121SBL01

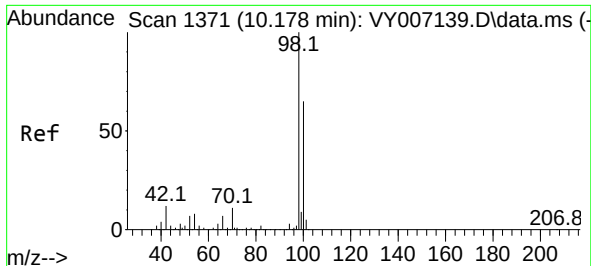
Tgt Ion:114 Resp: 169508  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 39.2  
88 15.2 0.0 31.0



#35  
Dibromofluoromethane  
Concen: 49.156 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY007249.D  
Acq: 21 Jan 2022 13:14

Tgt Ion:113 Resp: 56342  
Ion Ratio Lower Upper  
113 100  
111 99.9 82.2 123.4  
192 17.6 14.2 21.4

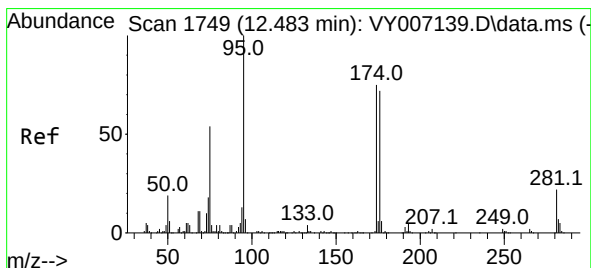
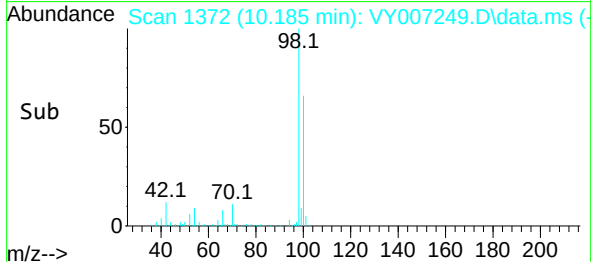
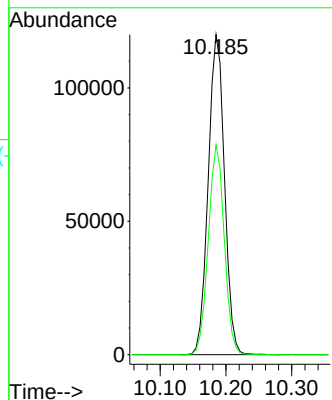
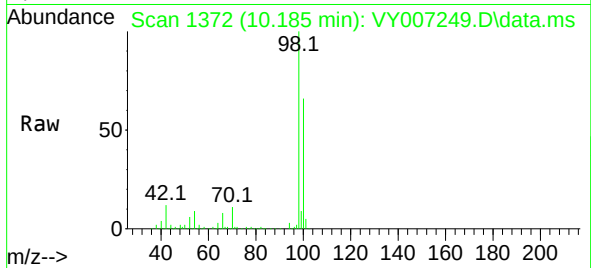




#50  
Toluene-d8  
Concen: 49.265 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY007249.D  
Acq: 21 Jan 2022 13:14

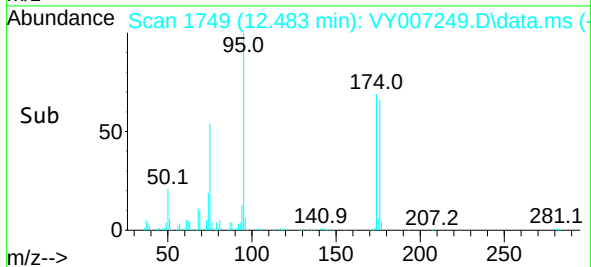
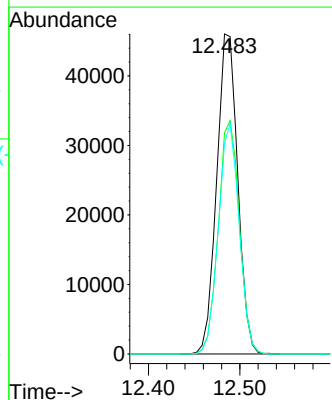
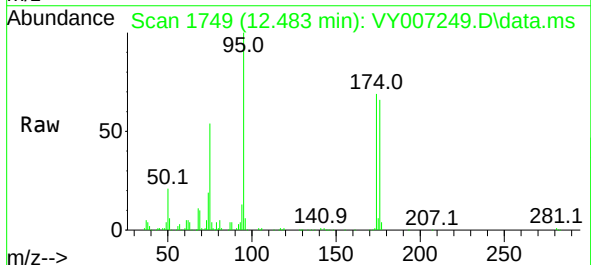
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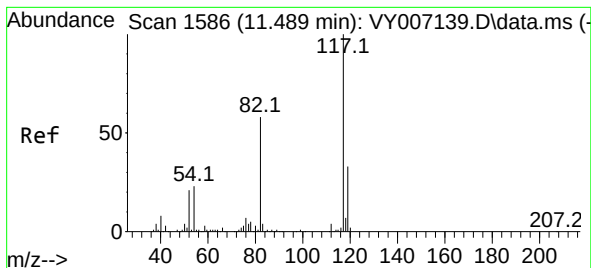
Tgt Ion: 98 Resp: 206329  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 49.419 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007249.D  
Acq: 21 Jan 2022 13:14

Tgt Ion: 95 Resp: 73623  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 148.4  
176 71.0 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY007249.D

Acq: 21 Jan 2022 13:14

Instrument :

MSVOA\_Y

ClientSampleId :

VY0121SBL01

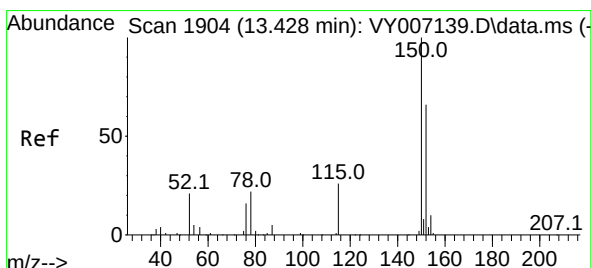
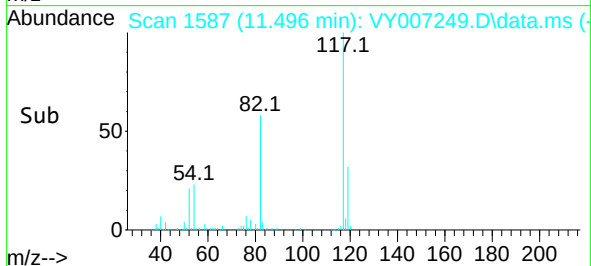
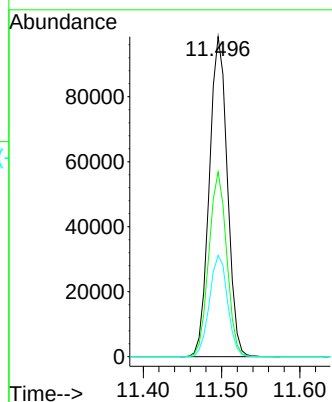
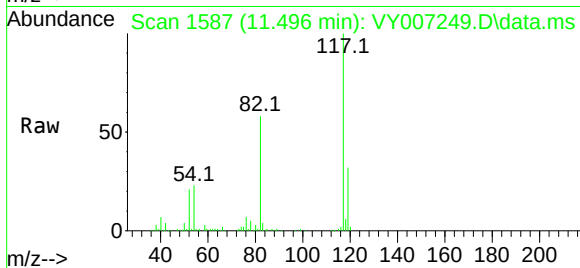
Tgt Ion:117 Resp: 157313

Ion Ratio Lower Upper

117 100

82 57.8 45.4 68.0

119 31.7 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007249.D

Acq: 21 Jan 2022 13:14

Tgt Ion:152 Resp: 66512

Ion Ratio Lower Upper

152 100

115 62.2 31.4 94.0

150 158.4 0.0 348.4

