

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110321\  
 Data File : VY006609.D  
 Acq On : 03 Nov 2021 18:17  
 Operator : SY/MD  
 Sample : M4472-04  
 Misc : 5.06G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-2-KS

Quant Time: Nov 03 21:23:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

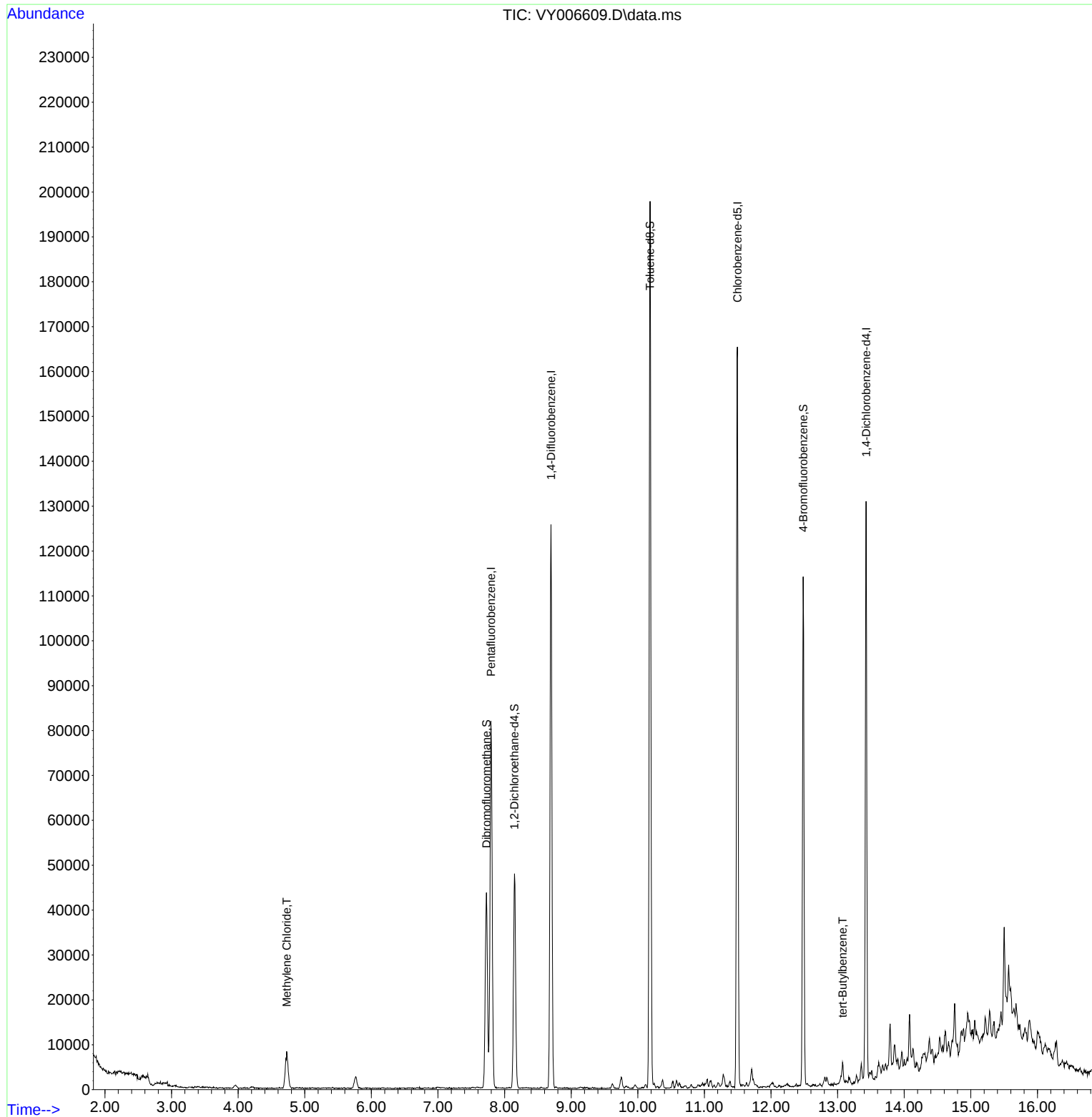
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 60519    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 96690    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 82954    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 29285    | 50.000   | ug/l       | 0.00     |
|                             |        |       |          |          |            |          |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 37634    | 50.534   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 101.060% |          |
| 35) Dibromofluoromethane    | 7.728  | 113   | 29759    | 55.219   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.440% |          |
| 50) Toluene-d8              | 10.185 | 98    | 122804   | 53.754   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 107.500% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 33429    | 43.438   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 86.880%  |          |
|                             |        |       |          |          |            |          |
| Target Compounds            |        |       |          |          |            | Qvalue   |
| 20) Methylene Chloride      | 4.728  | 84    | 5299     | 4.276    | ug/l       | 94       |
| 83) tert-Butylbenzene       | 13.074 | 119   | 1855     | 1.258    | ug/l       | 98       |
| -----                       |        |       |          |          |            |          |

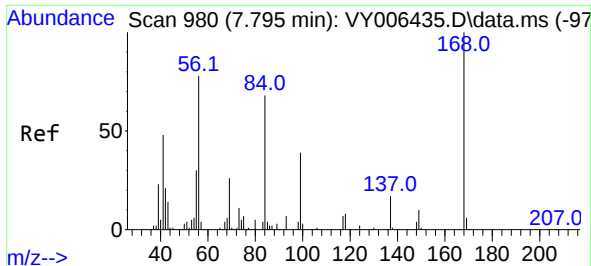
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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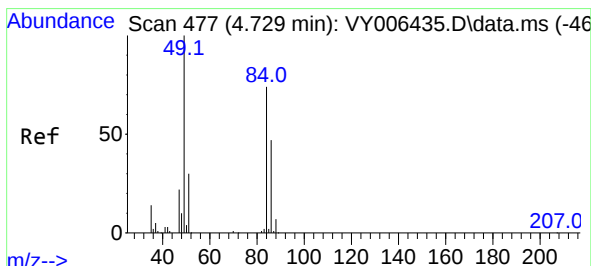
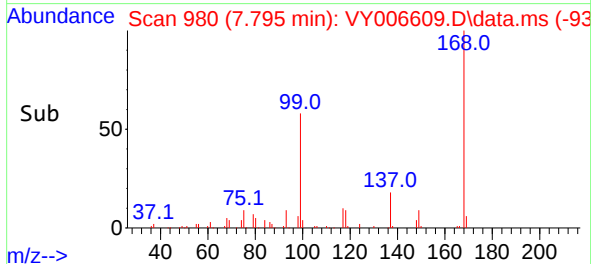
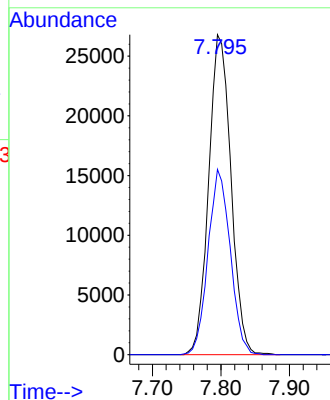
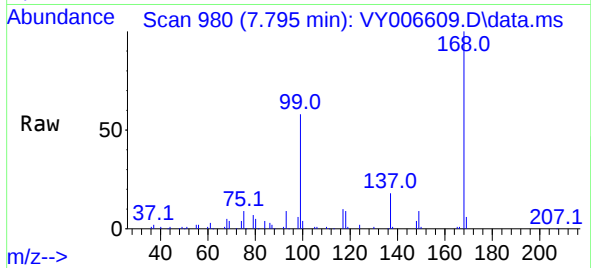




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

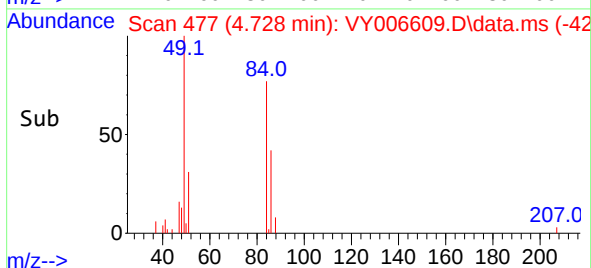
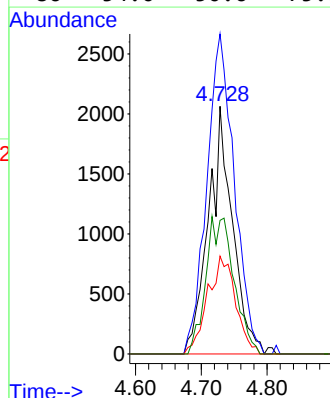
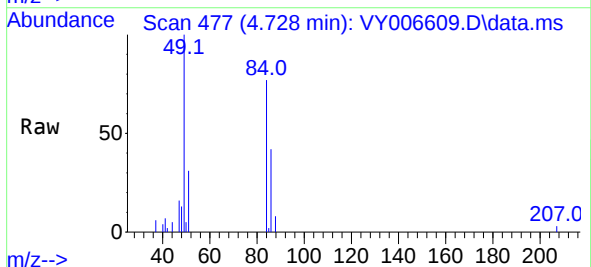
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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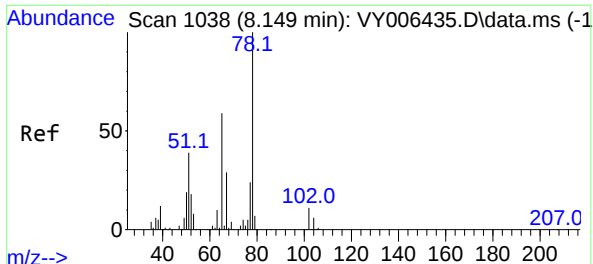
Tgt Ion:168 Resp: 60519  
Ion Ratio Lower Upper  
168 100  
99 57.9 44.8 67.2



#20  
Methylene Chloride  
Concen: 4.276 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

Tgt Ion: 84 Resp: 5299  
Ion Ratio Lower Upper  
84 100  
49 129.2 107.8 161.8  
51 39.5 32.8 49.2  
86 54.0 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 50.534 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY006609.D

Acq: 03 Nov 2021 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

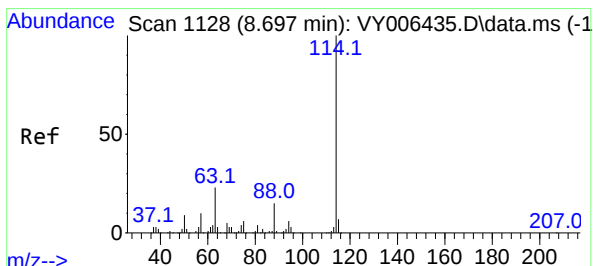
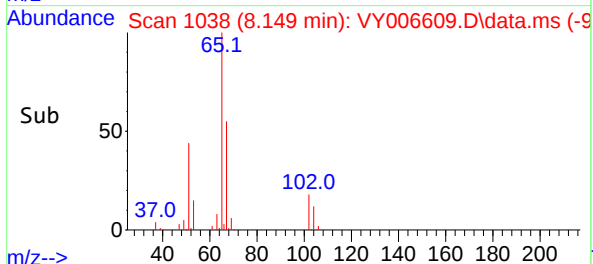
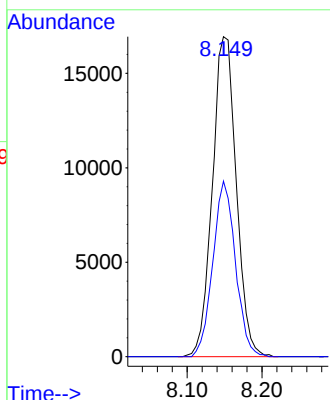
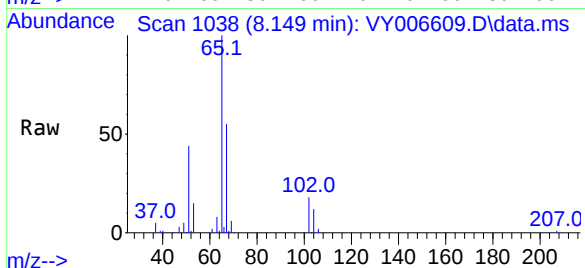
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Tgt Ion: 65 Resp: 37634

Ion Ratio Lower Upper

65 100

67 52.0 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006609.D

Acq: 03 Nov 2021 18:17

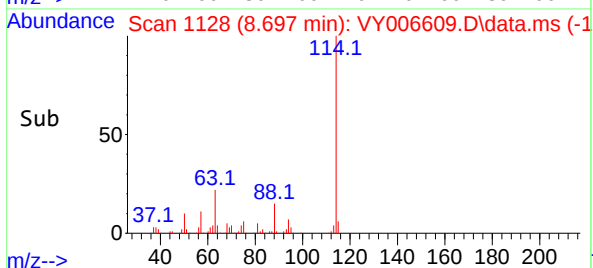
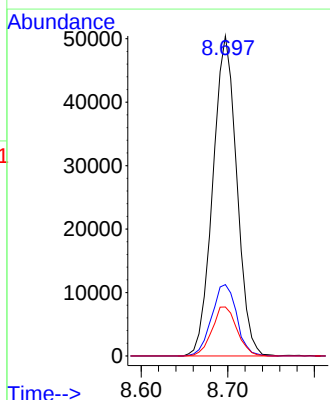
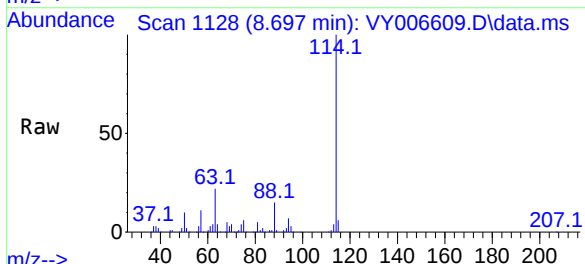
Tgt Ion: 114 Resp: 96690

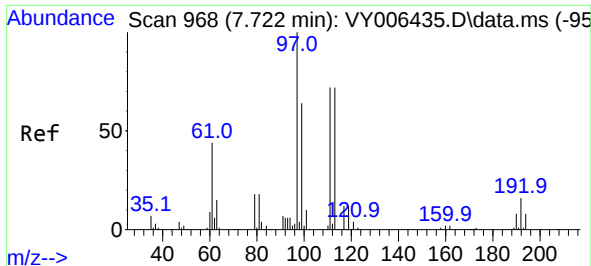
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 15.3 0.0 30.6

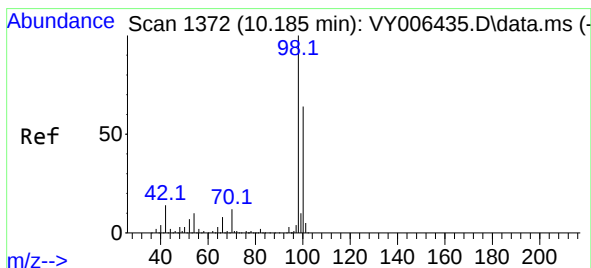
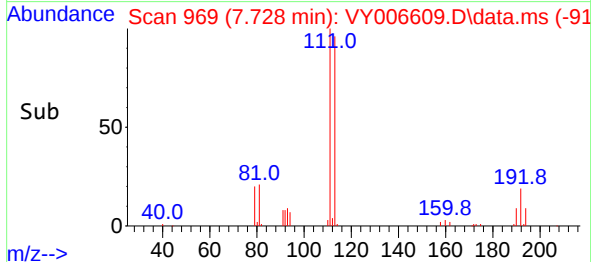
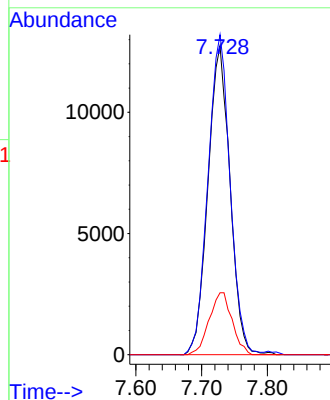
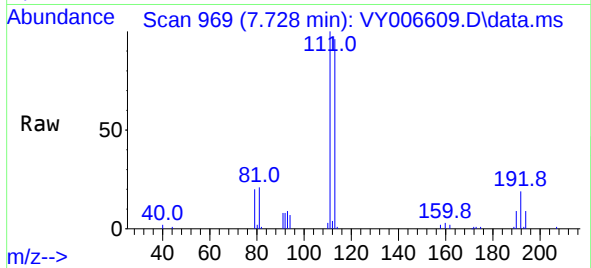




#35  
Dibromofluoromethane  
Concen: 55.219 ug/l  
RT: 7.728 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

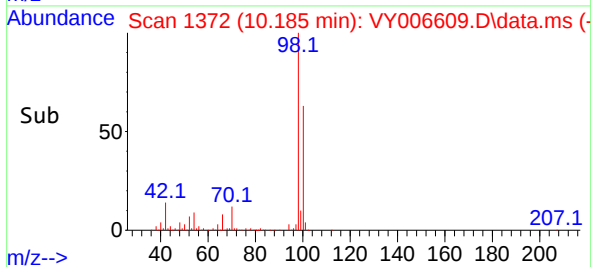
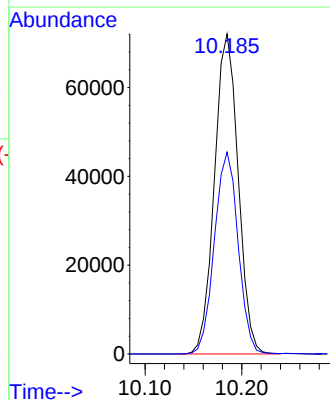
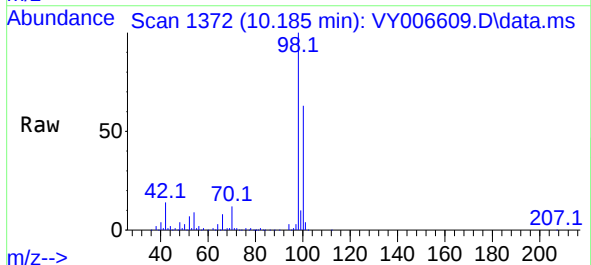
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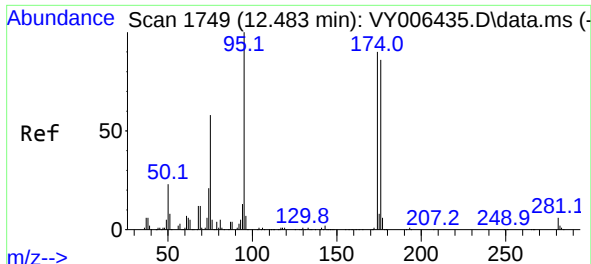
Tgt Ion:113 Resp: 29759  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.3 123.5  
192 20.9 17.4 26.2



#50  
Toluene-d8  
Concen: 53.754 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

Tgt Ion: 98 Resp: 122804  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.9 76.3

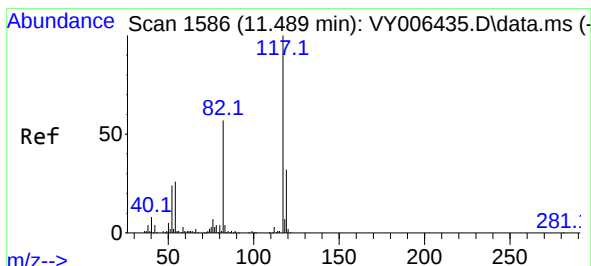
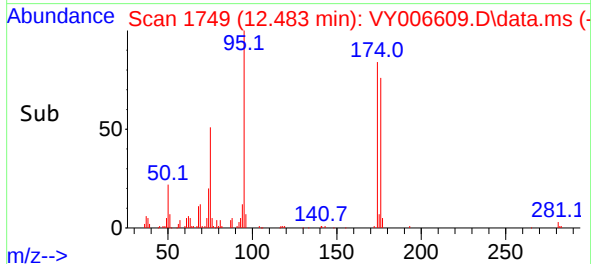
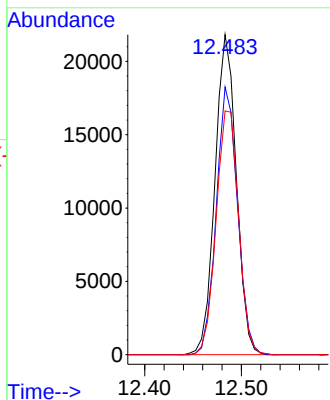
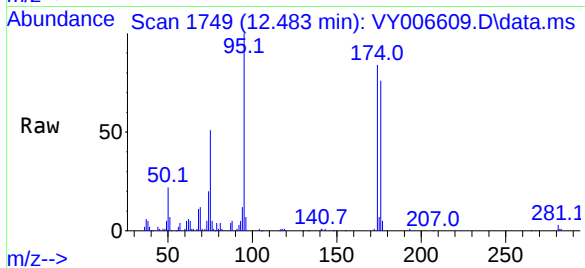




#62  
4-Bromofluorobenzene  
Concen: 43.438 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

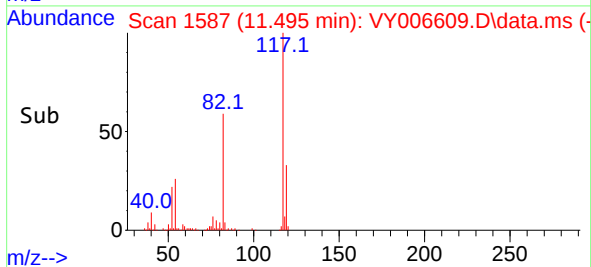
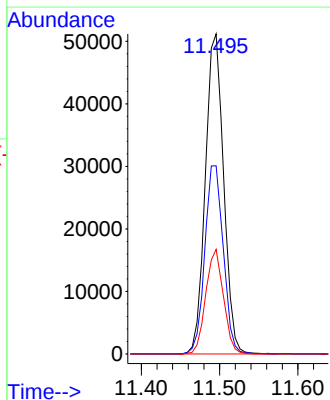
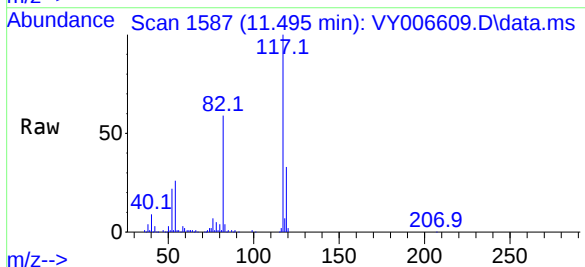
Instrument :  
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ClientSampleId :  
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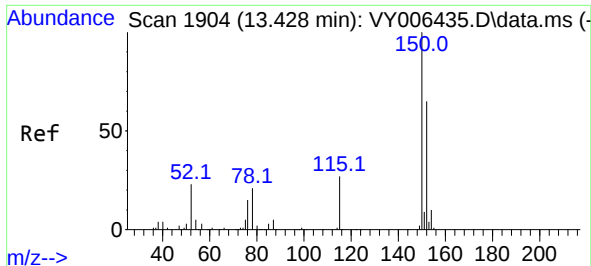
Tgt Ion: 95 Resp: 33429  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 177.0  
176 80.2 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

Tgt Ion: 117 Resp: 82954  
Ion Ratio Lower Upper  
117 100  
82 58.8 45.7 68.5  
119 32.7 25.5 38.3

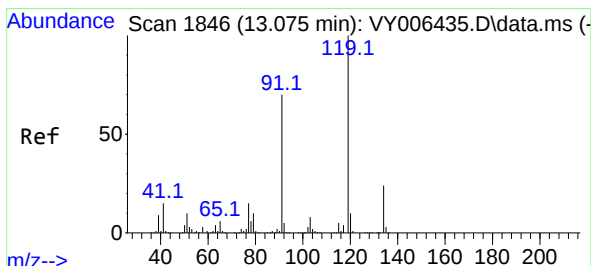
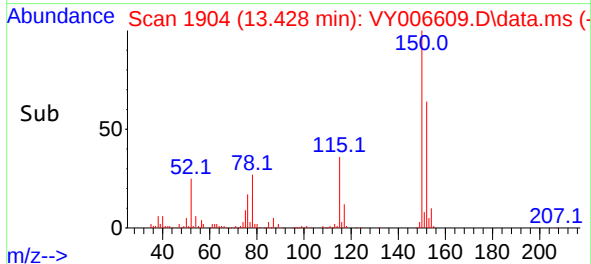
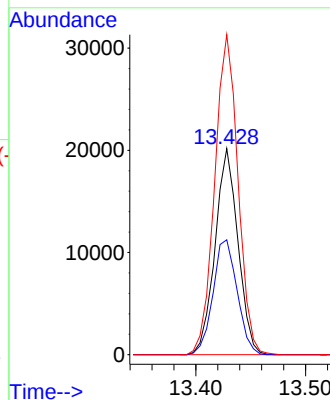
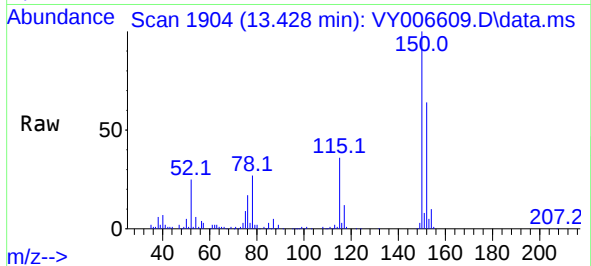




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-2-KS

Tgt Ion:152 Resp: 29285  
Ion Ratio Lower Upper  
152 100  
115 58.9 28.5 85.5  
150 158.2 0.0 348.2



#83  
tert-Butylbenzene  
Concen: 1.258 ug/l  
RT: 13.074 min Scan# 1846  
Delta R.T. -0.000 min  
Lab File: VY006609.D  
Acq: 03 Nov 2021 18:17

Tgt Ion:119 Resp: 1855  
Ion Ratio Lower Upper  
119 100  
91 69.4 34.8 104.5  
134 23.2 13.0 38.9

