

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111821\  
 Data File : VY006815.D  
 Acq On : 18 Nov 2021 18:31  
 Operator : SY/MD  
 Sample : M4762-03  
 Misc : 5.06G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11929

Quant Time: Nov 19 05:35:26 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

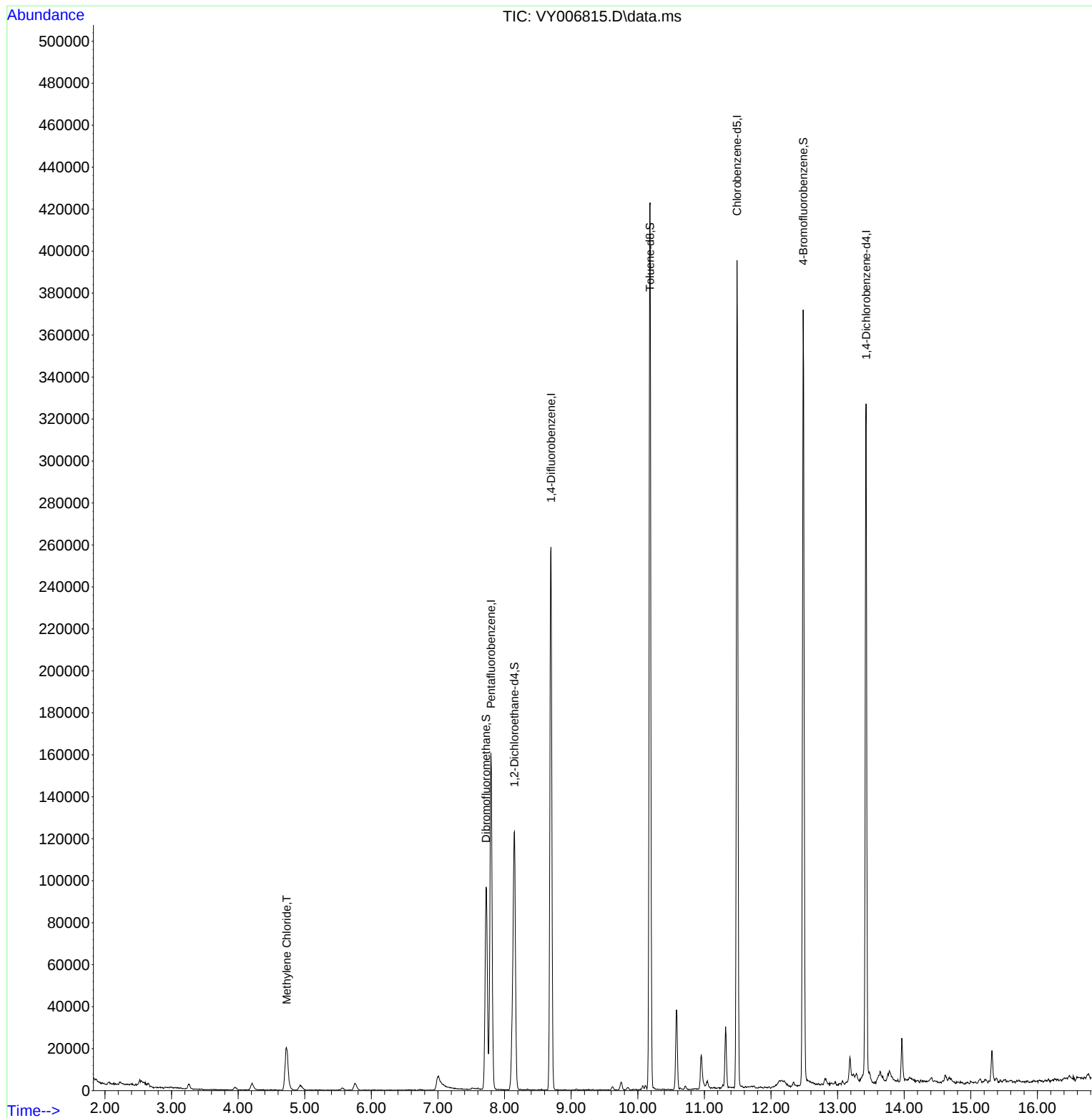
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 120345   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 205169   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 188979   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 75150    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 87599    | 55.539   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 111.080% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 66042    | 52.405   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 104.800% |
| 50) Toluene-d8              | 10.185 | 98    | 268868   | 51.557   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 103.120% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 83941    | 47.746   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 95.500%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 4.729  | 84    | 13526    | 6.476    | ug/l  | 95       |
| -----                       |        |       |          |          |       |          |

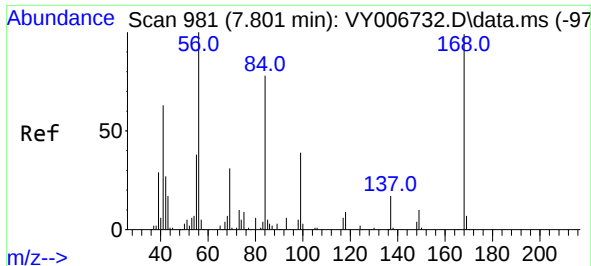
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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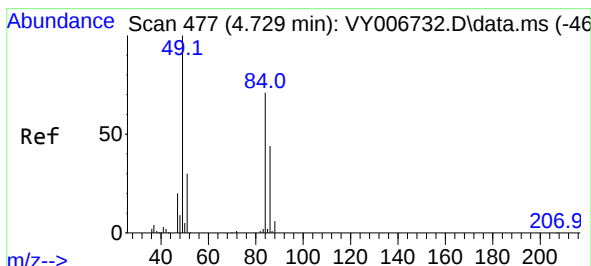
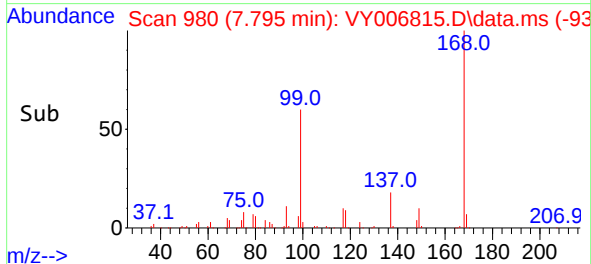
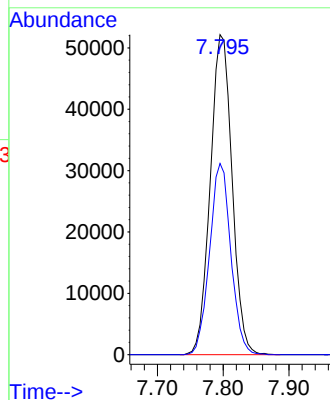
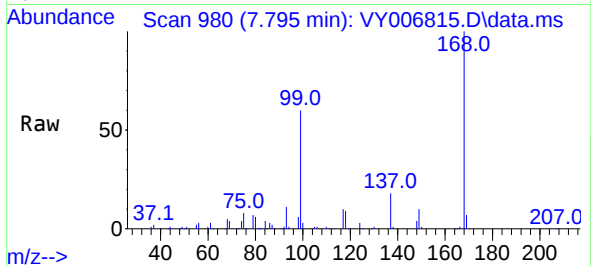




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY006815.D  
Acq: 18 Nov 2021 18:31

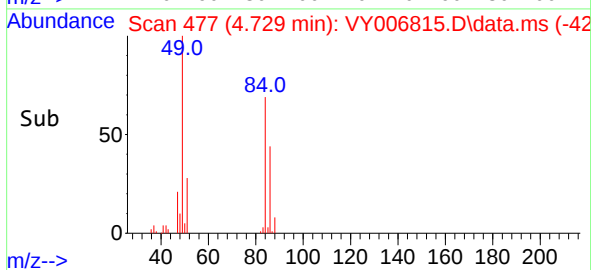
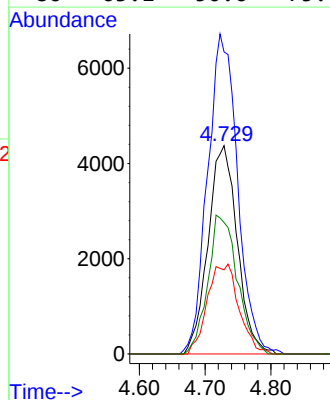
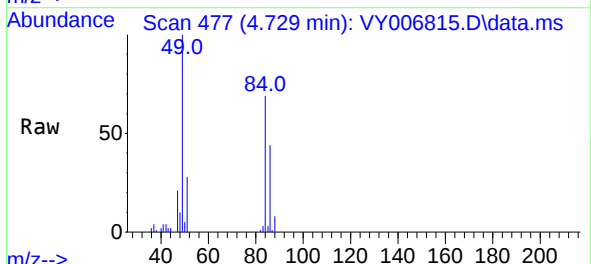
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11929

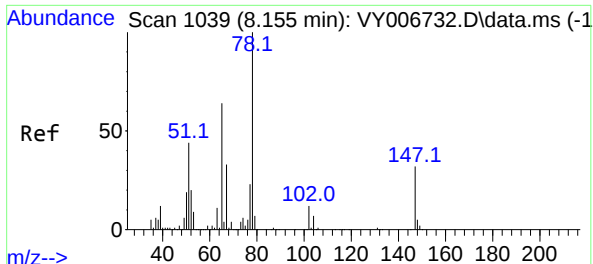
Tgt Ion:168 Resp: 120345  
Ion Ratio Lower Upper  
168 100  
99 59.8 44.8 67.2



#20  
Methylene Chloride  
Concen: 6.476 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.000 min  
Lab File: VY006815.D  
Acq: 18 Nov 2021 18:31

Tgt Ion: 84 Resp: 13526  
Ion Ratio Lower Upper  
84 100  
49 145.0 107.8 161.8  
51 40.4 32.8 49.2  
86 63.1 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 55.539 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY006815.D

Acq: 18 Nov 2021 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

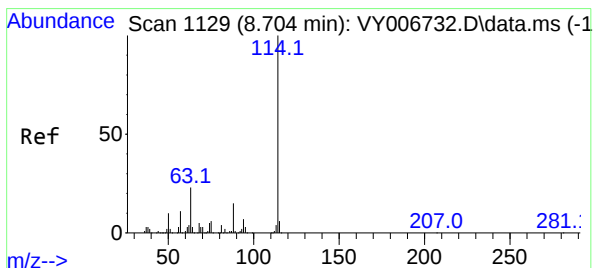
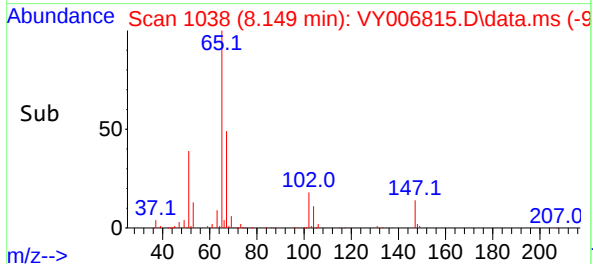
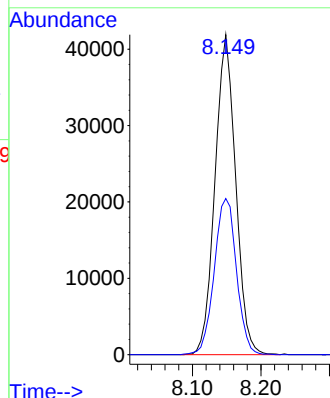
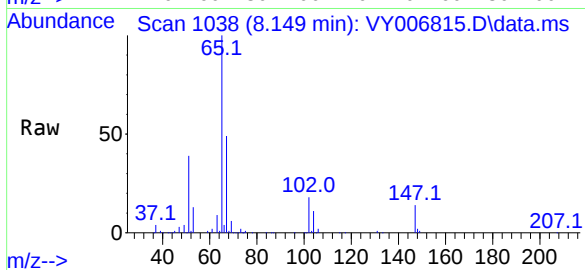
72-11929

Tgt Ion: 65 Resp: 87599

Ion Ratio Lower Upper

65 100

67 52.5 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006815.D

Acq: 18 Nov 2021 18:31

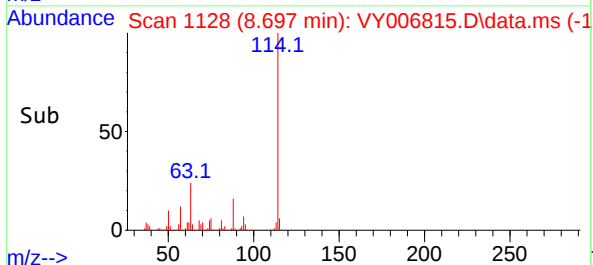
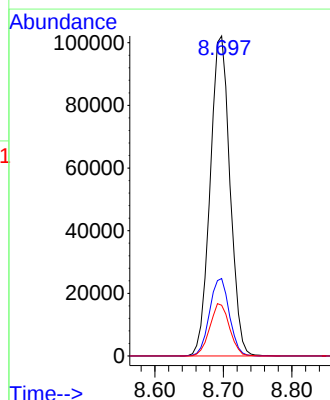
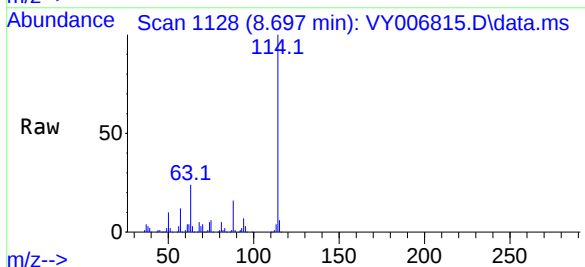
Tgt Ion: 114 Resp: 205169

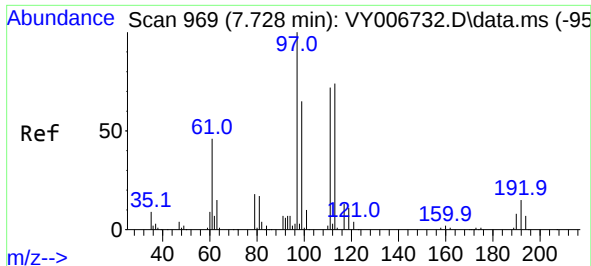
Ion Ratio Lower Upper

114 100

63 24.2 0.0 45.0

88 15.9 0.0 30.6

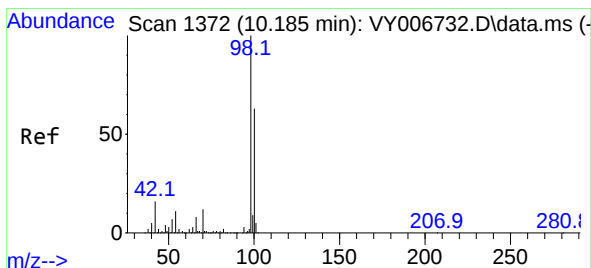
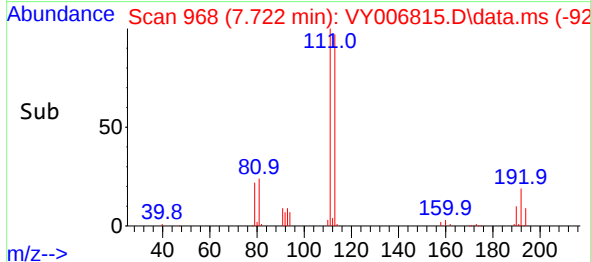
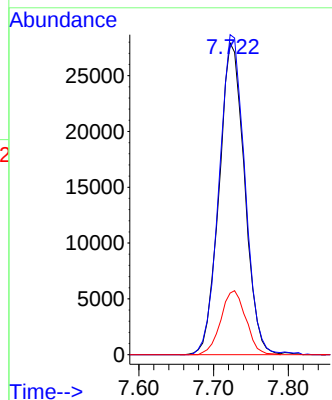
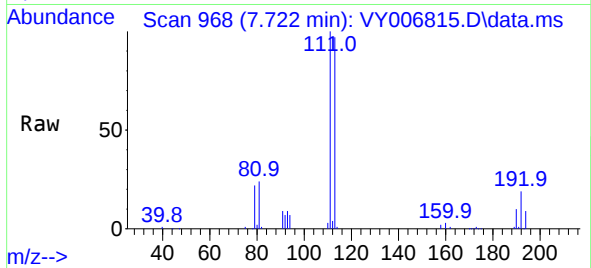




#35  
Dibromofluoromethane  
Concen: 52.405 ug/l  
RT: 7.722 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY006815.D  
Acq: 18 Nov 2021 18:31

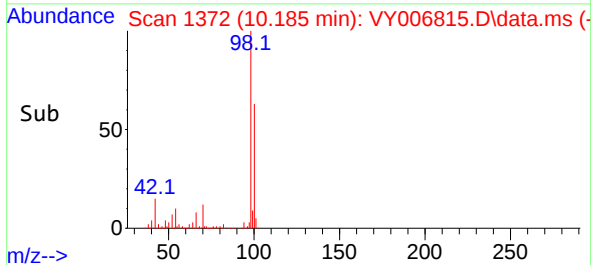
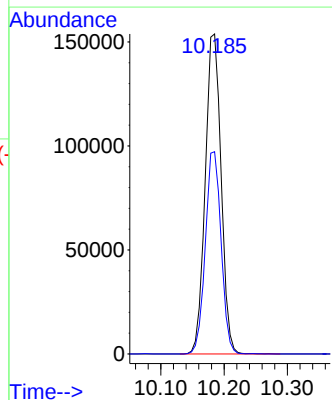
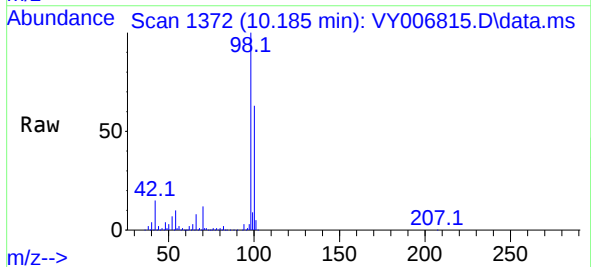
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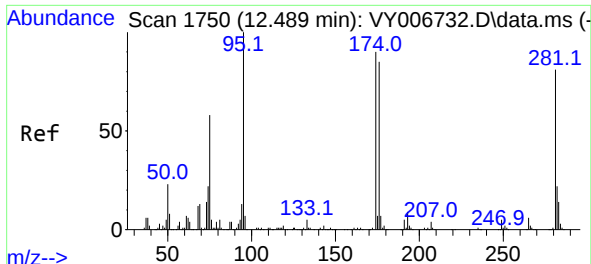
Tgt Ion:113 Resp: 66042  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.3 123.5  
192 20.2 17.4 26.2



#50  
Toluene-d8  
Concen: 51.557 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006815.D  
Acq: 18 Nov 2021 18:31

Tgt Ion: 98 Resp: 268868  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.9 76.3

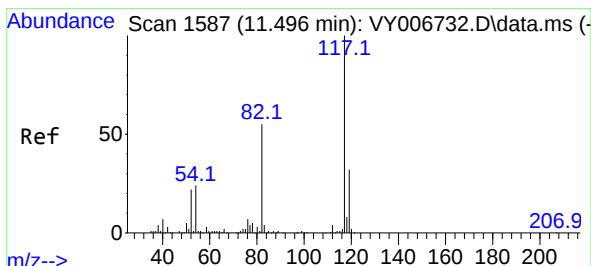
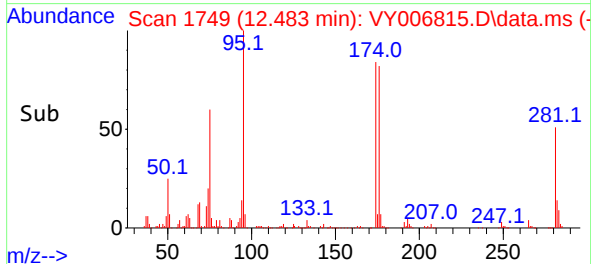
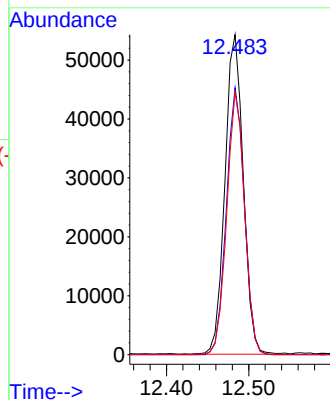
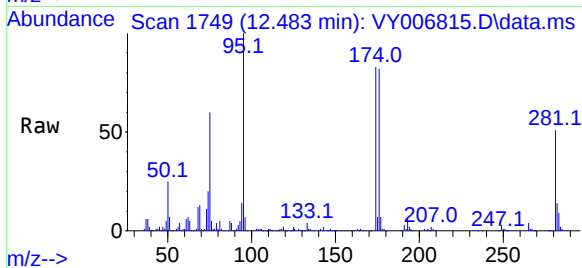




#62  
4-Bromofluorobenzene  
Concen: 47.746 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY006815.D  
Acq: 18 Nov 2021 18:31

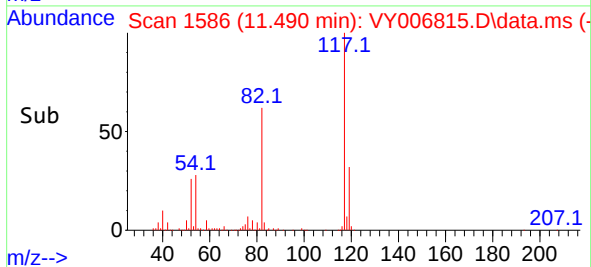
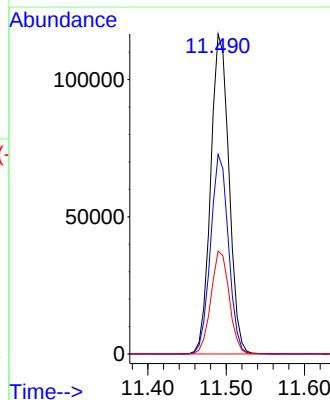
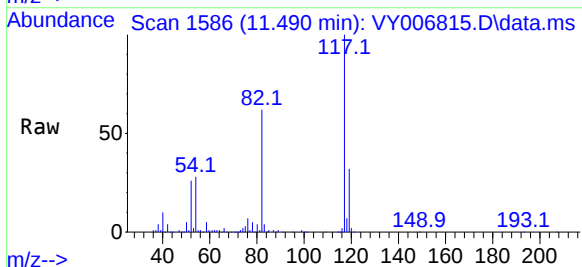
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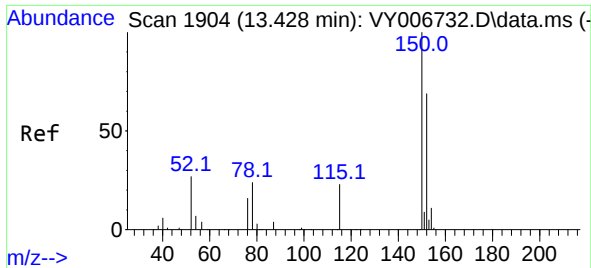
Tgt Ion: 95 Resp: 83941  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 177.0  
176 79.5 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY006815.D  
Acq: 18 Nov 2021 18:31

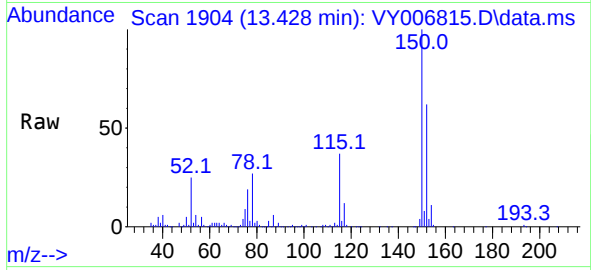
Tgt Ion: 117 Resp: 188979  
Ion Ratio Lower Upper  
117 100  
82 62.4 45.7 68.5  
119 32.1 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY006815.D  
 Acq: 18 Nov 2021 18:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11929



Tgt Ion:152 Resp: 75150

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.4  | 28.5  | 85.5  |
| 150 | 155.4 | 0.0   | 348.2 |

