

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102022\  
 Data File : VY011028.D  
 Acq On : 20 Oct 2022 16:21  
 Operator : KP/MD  
 Sample : N5193-06  
 Misc : 6.16g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LSP-SS-03-03-05

Quant Time: Oct 20 22:24:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

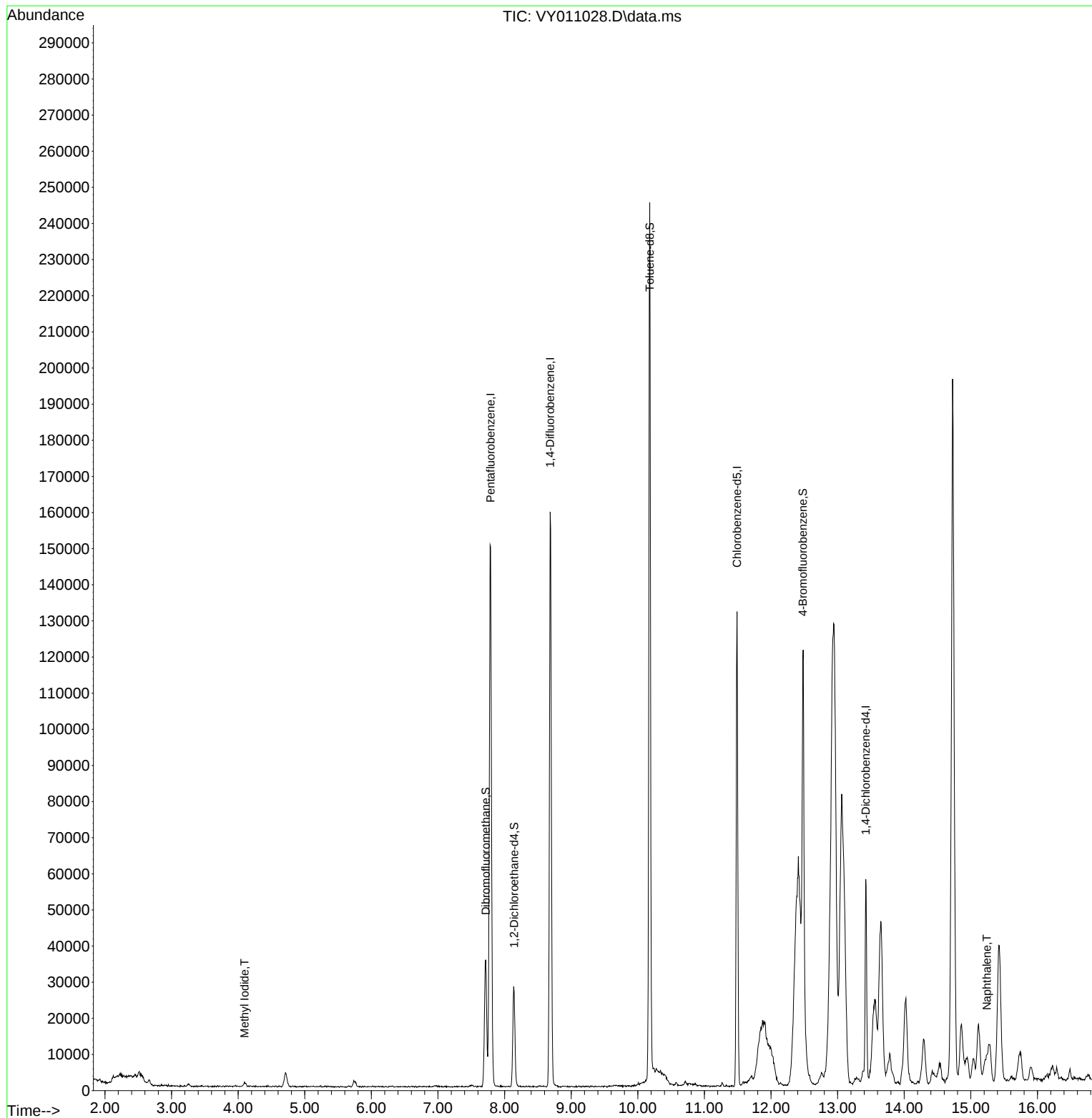
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 119601   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 140950   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 74692    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 14707    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 21614    | 19.619   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 39.240%# |
| 35) Dibromofluoromethane    | 7.716  | 113   | 25771    | 32.026   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 64.060%  |
| 50) Toluene-d8              | 10.179 | 98    | 164031   | 55.735   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 111.480% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 26233    | 23.537   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 47.080%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 10) Methyl Iodide           | 4.095  | 142   | 1767     | 1.219    | ug/l # | 91       |
| 95) Naphthalene             | 15.239 | 128   | 3266     | 6.017    | ug/l # | 71       |
| -----                       |        |       |          |          |        |          |

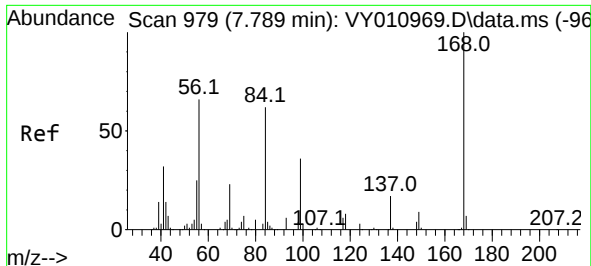
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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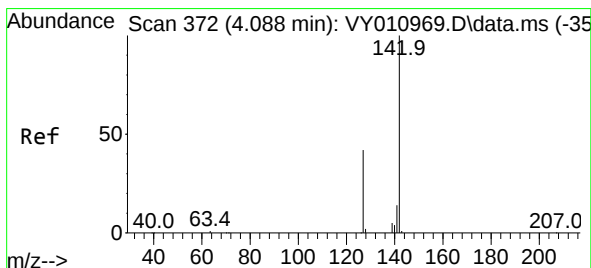
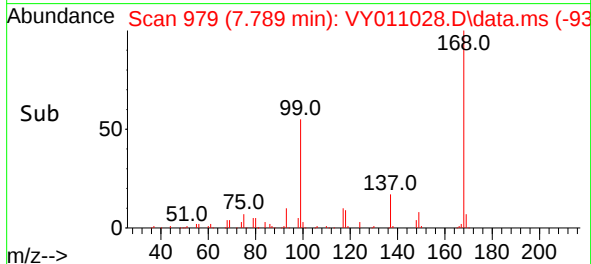
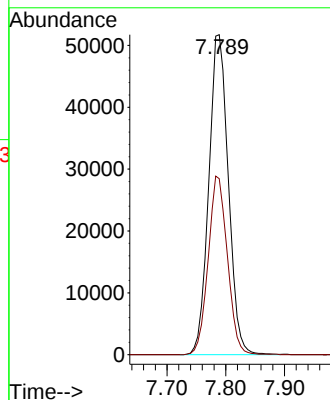
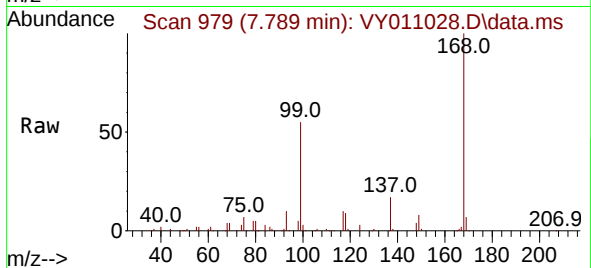




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

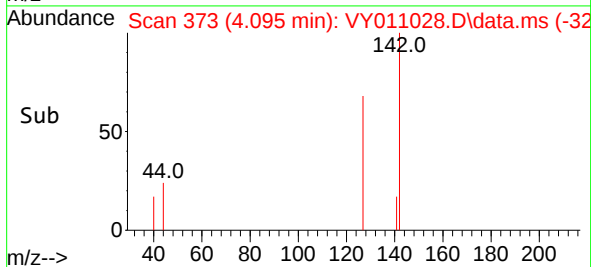
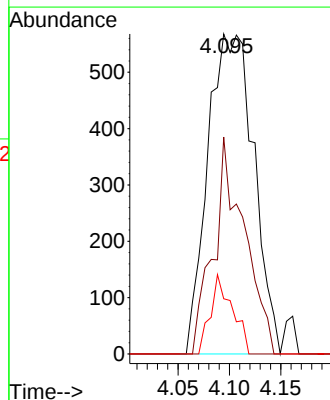
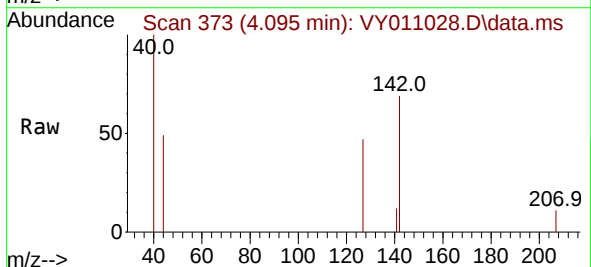
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LSP-SS-03-03-05

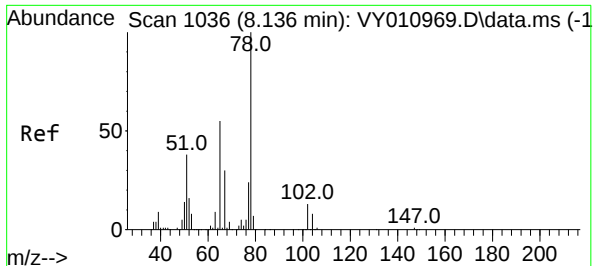
Tgt Ion:168 Resp: 119601  
Ion Ratio Lower Upper  
168 100  
99 55.0 46.9 70.3



#10  
Methyl Iodide  
Concen: 1.219 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

Tgt Ion:142 Resp: 1767  
Ion Ratio Lower Upper  
142 100  
127 45.7 41.5 62.3  
141 11.8 11.9 17.9#





#33

1,2-Dichloroethane-d4

Concen: 19.619 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY011028.D

Acq: 20 Oct 2022 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

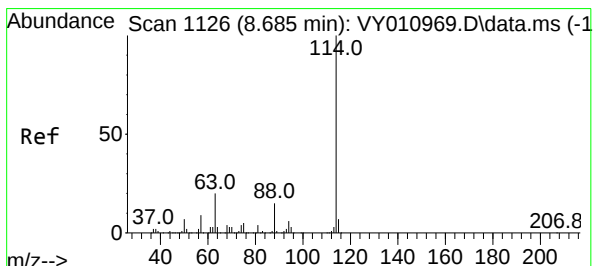
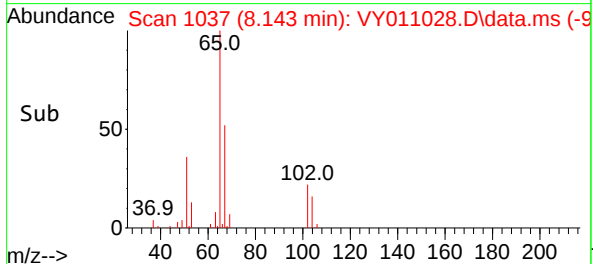
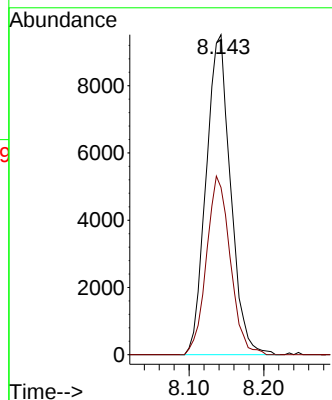
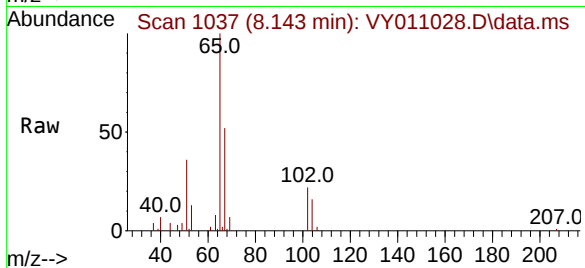
LSP-SS-03-03-05

Tgt Ion: 65 Resp: 21614

Ion Ratio Lower Upper

65 100

67 54.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011028.D

Acq: 20 Oct 2022 16:21

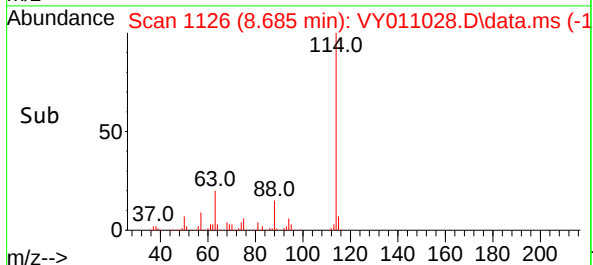
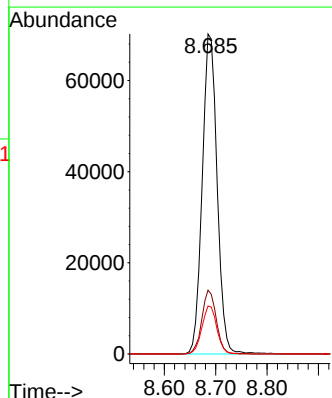
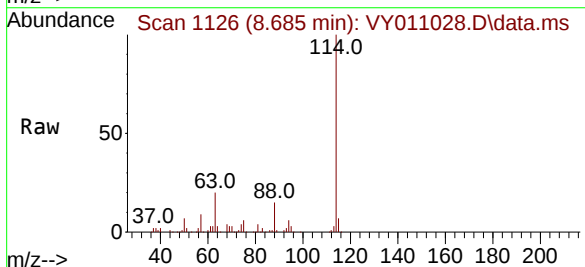
Tgt Ion: 114 Resp: 140950

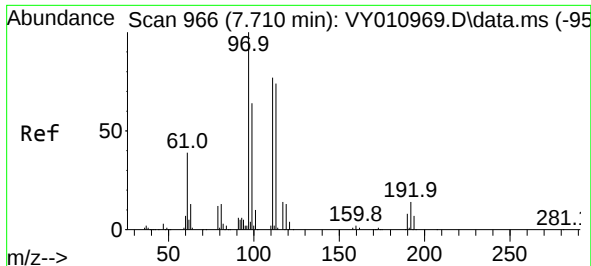
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.0 0.0 31.8

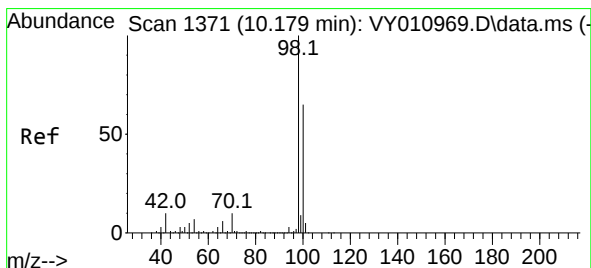
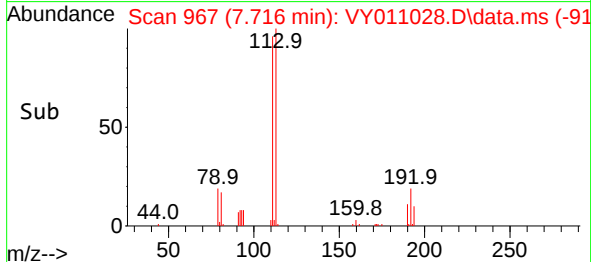
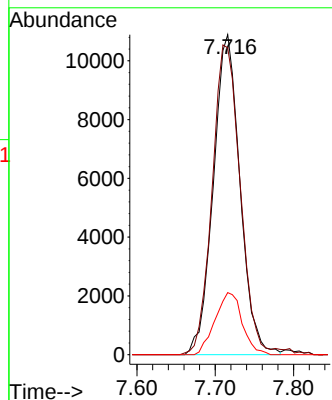
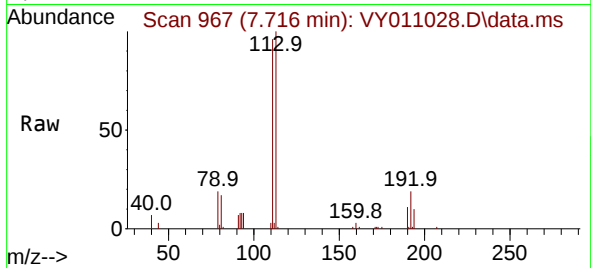




#35  
Dibromofluoromethane  
Concen: 32.026 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

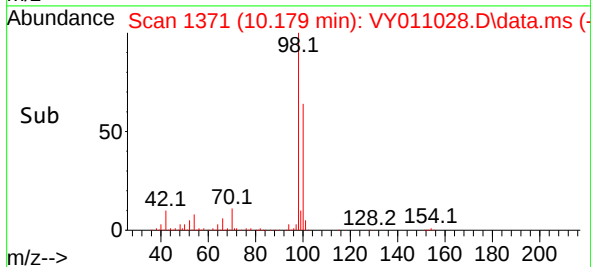
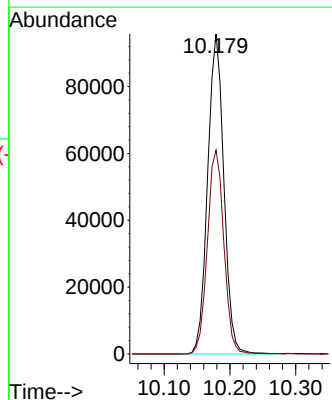
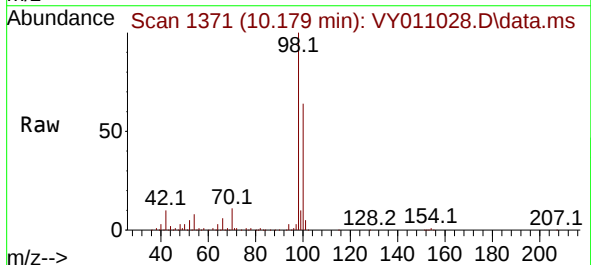
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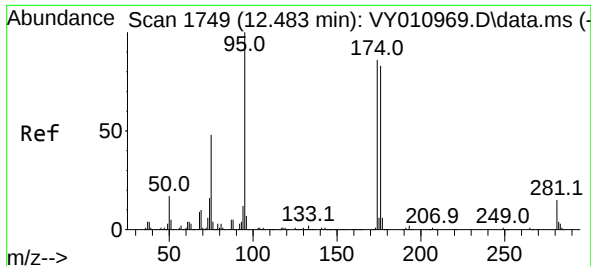
Tgt Ion:113 Resp: 25771  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.6 124.0  
192 19.7 17.6 26.4



#50  
Toluene-d8  
Concen: 55.735 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

Tgt Ion: 98 Resp: 164031  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2

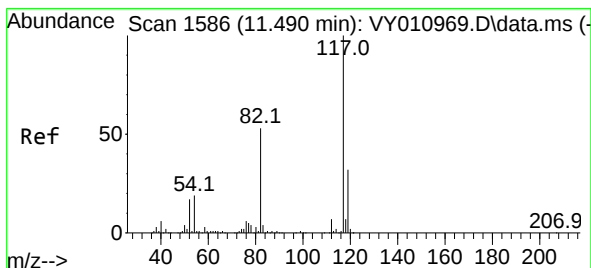
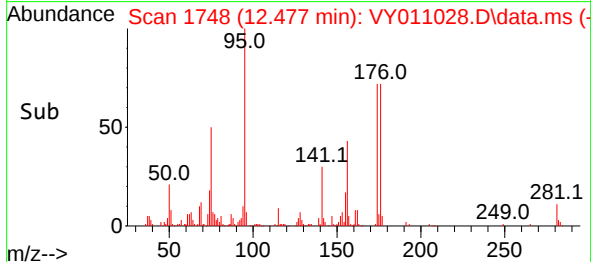
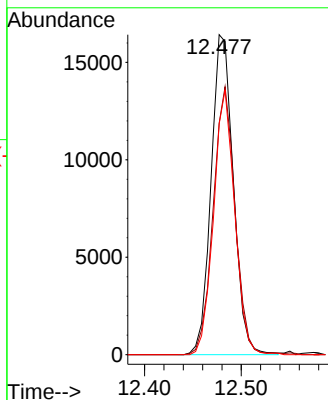
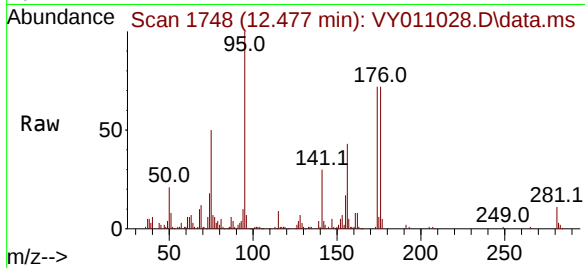




#62  
4-Bromofluorobenzene  
Concen: 23.537 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

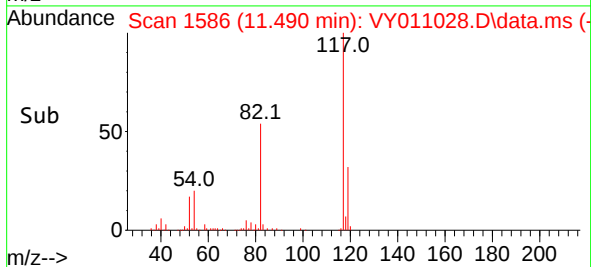
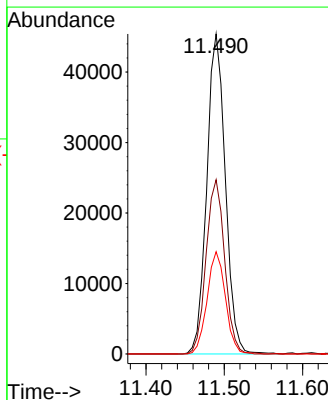
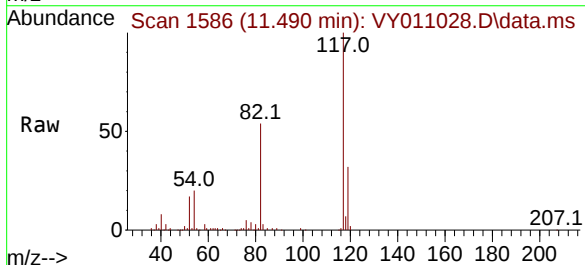
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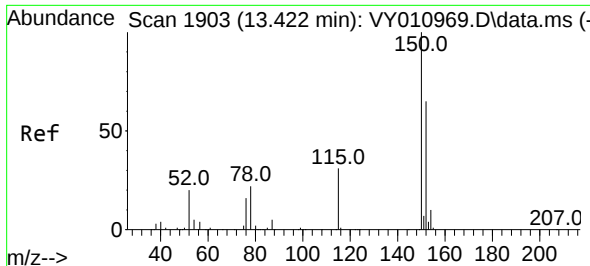
Tgt Ion: 95 Resp: 26233  
Ion Ratio Lower Upper  
95 100  
174 82.7 0.0 177.0  
176 78.5 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

Tgt Ion: 117 Resp: 74692  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.0 64.4  
119 32.0 25.4 38.0

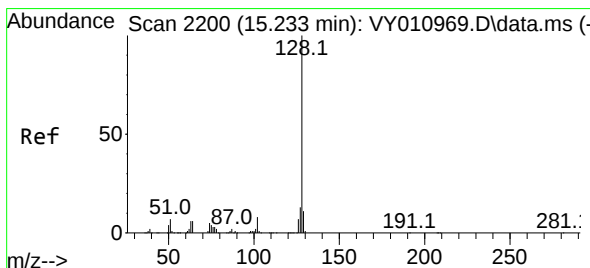
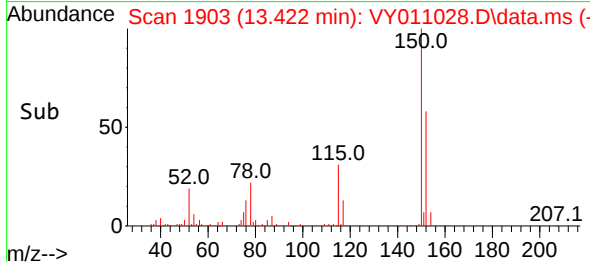
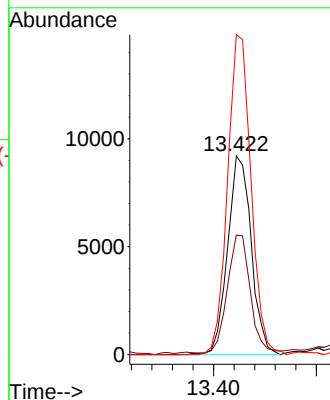
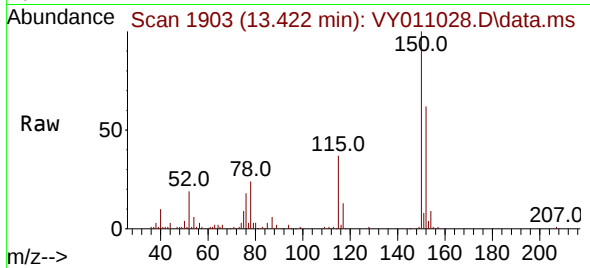




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LSP-SS-03-03-05

Tgt Ion:152 Resp: 14707  
Ion Ratio Lower Upper  
152 100  
115 56.9 28.2 84.7  
150 159.0 0.0 347.6



#95  
Naphthalene  
Concen: 6.017 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.006 min  
Lab File: VY011028.D  
Acq: 20 Oct 2022 16:21

Tgt Ion:128 Resp: 3266  
Ion Ratio Lower Upper  
128 100  
127 26.4 11.0 16.4#  
129 19.9 8.4 12.6#

