

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101821\  
 Data File : VD070731.D  
 Acq On : 18 Oct 2021 15:47  
 Operator : VA/SY  
 Sample : M4259-01  
 Misc : 5.13G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-1-CS

Quant Time: Oct 19 06:41:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 18 08:32:03 2021  
 Response via : Initial Calibration

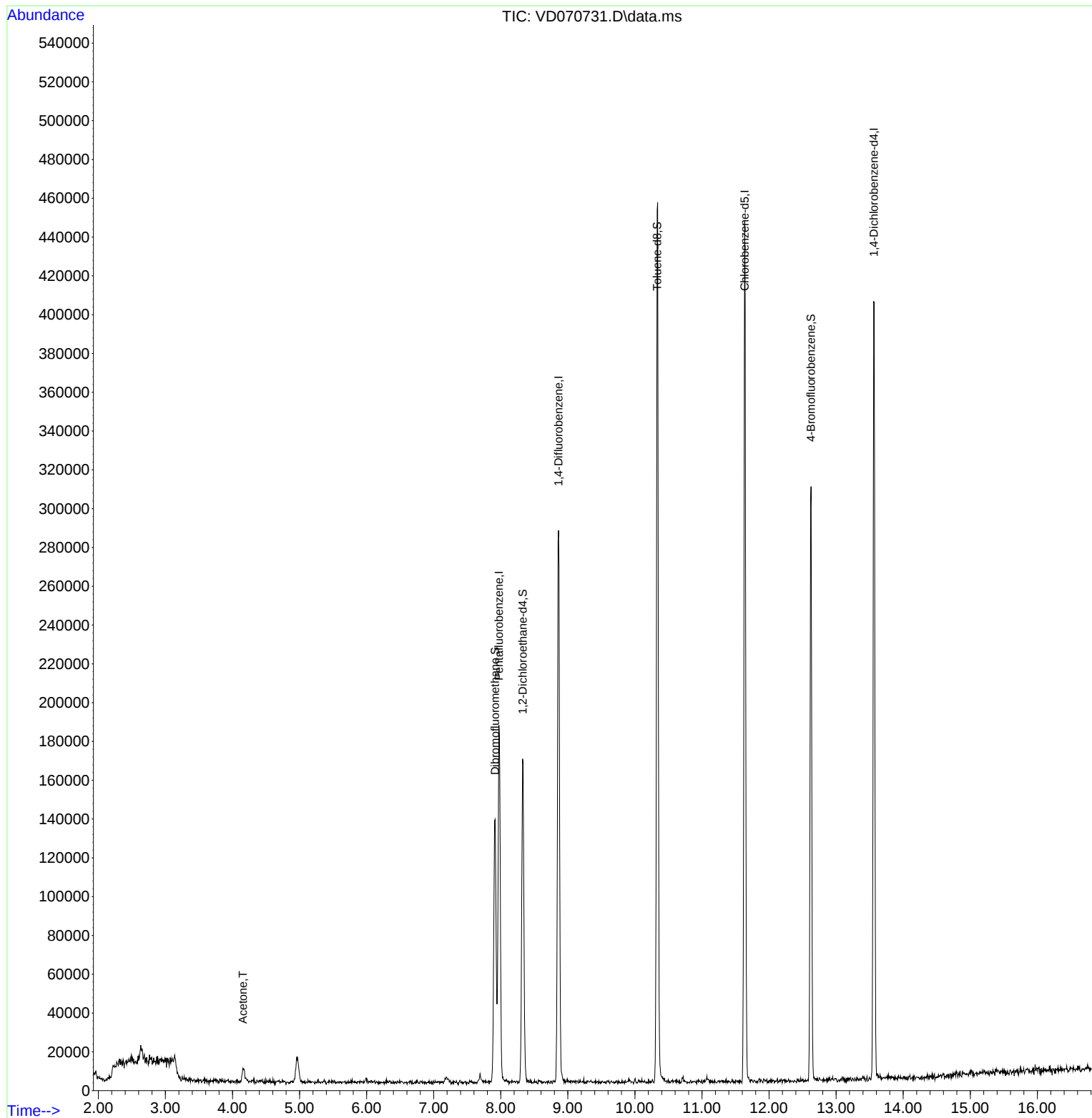
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------------|-------------|
| -----                       |        |       |          |          |             |             |
| Internal Standards          |        |       |          |          |             |             |
| 1) Pentafluorobenzene       | 7.973  | 168   | 128722   | 50.000   | ug/l        | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 237900   | 50.000   | ug/l        | 0.00        |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 249715   | 50.000   | ug/l        | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 106537   | 50.000   | ug/l        | 0.00        |
|                             |        |       |          |          |             |             |
| System Monitoring Compounds |        |       |          |          |             |             |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 132824   | 87.119   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 174.240%# |             |
| 35) Dibromofluoromethane    | 7.914  | 113   | 102097   | 67.024   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 134.040%  |             |
| 50) Toluene-d8              | 10.332 | 98    | 308383   | 52.812   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 105.620%  |             |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 104038   | 51.744   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 103.480%  |             |
|                             |        |       |          |          |             |             |
| Target Compounds            |        |       |          |          |             |             |
| 16) Acetone                 | 4.156  | 43    | 12936    | 35.178   | ug/l        | Qvalue # 84 |
| -----                       |        |       |          |          |             |             |

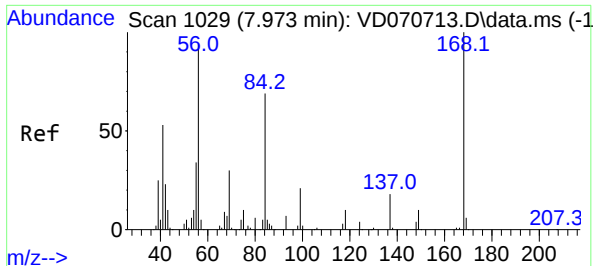
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
WC-1-CS

Quant Time: Oct 19 06:41:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 18 08:32:03 2021  
Response via : Initial Calibration

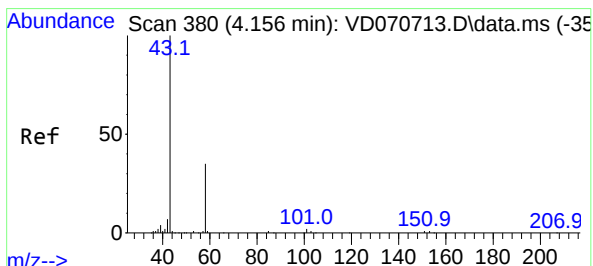
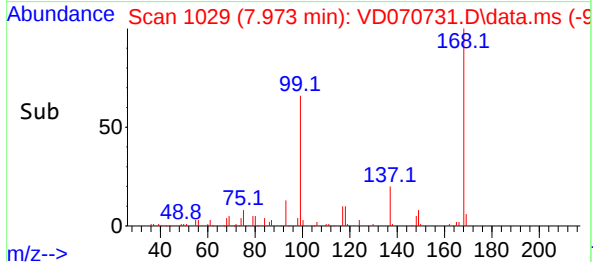
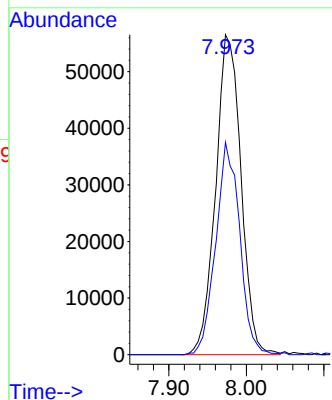
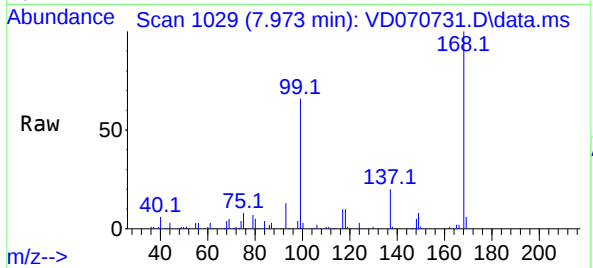




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

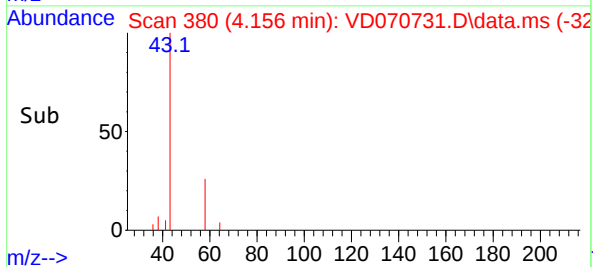
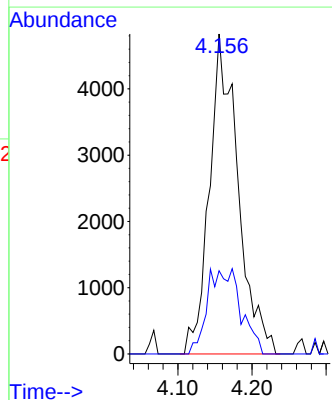
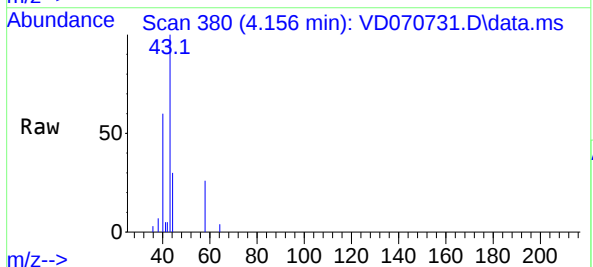
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1-CS

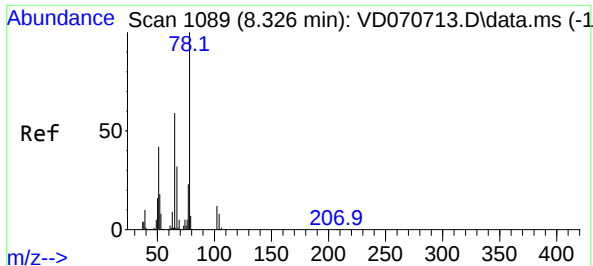
Tgt Ion:168 Resp: 128722  
Ion Ratio Lower Upper  
168 100  
99 66.4 51.4 77.0



#16  
Acetone  
Concen: 35.178 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

Tgt Ion: 43 Resp: 12936  
Ion Ratio Lower Upper  
43 100  
58 26.0 28.2 42.2#

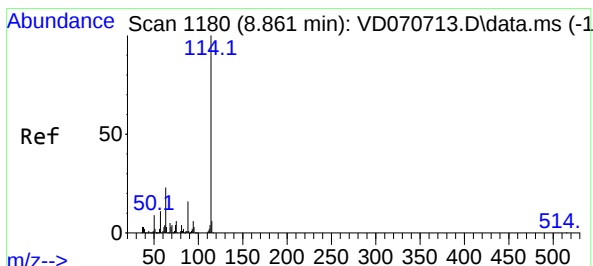
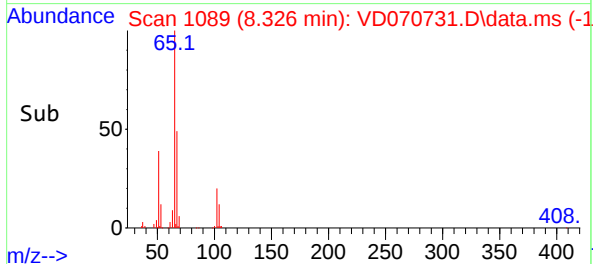
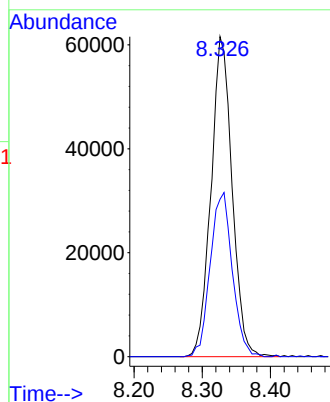
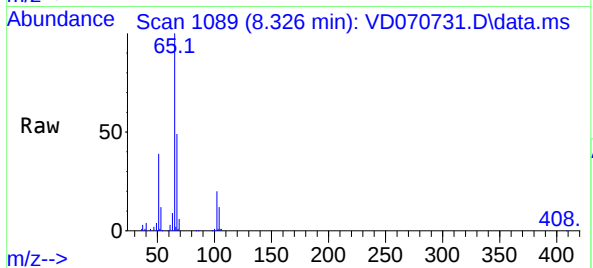




#33  
1,2-Dichloroethane-d4  
Concen: 87.119 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

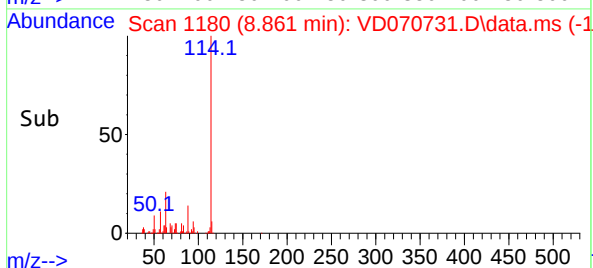
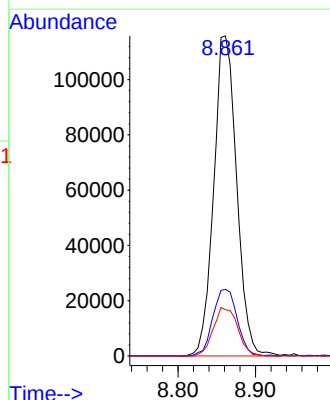
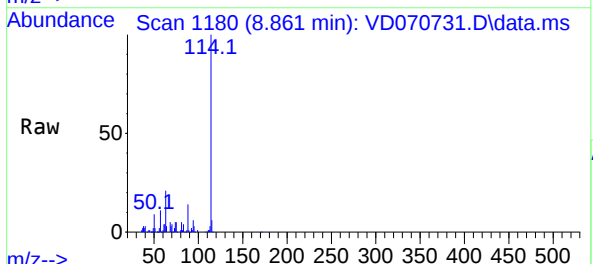
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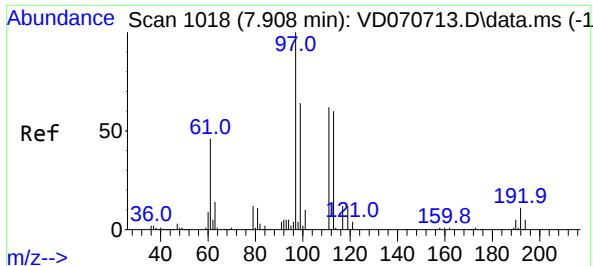
Tgt Ion: 65 Resp: 132824  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 110.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

Tgt Ion:114 Resp: 237900  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 41.8  
88 14.5 0.0 32.6

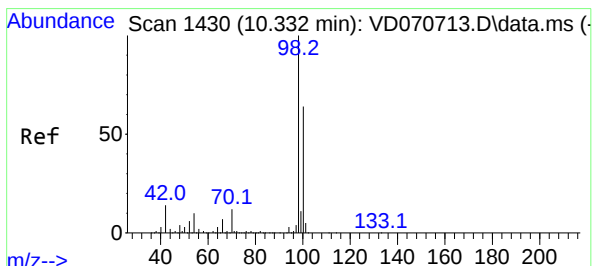
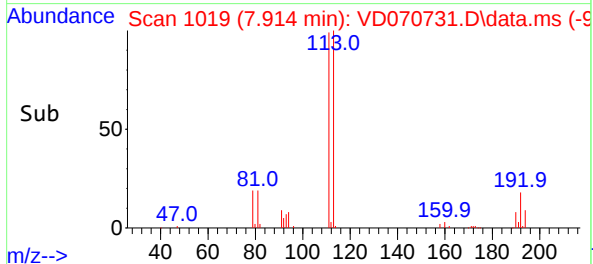
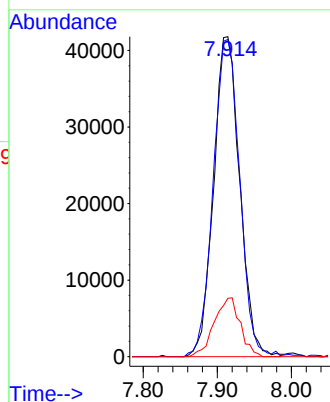
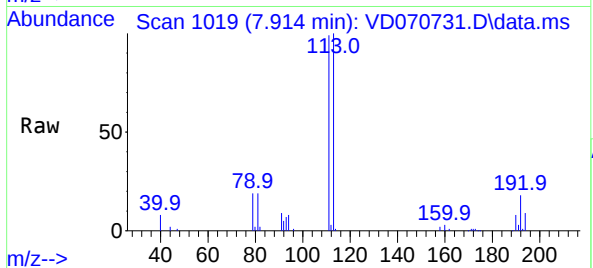




#35  
Dibromofluoromethane  
Concen: 67.024 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

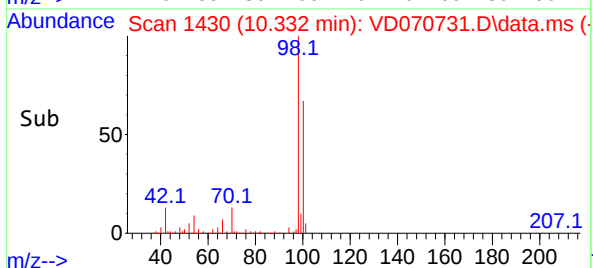
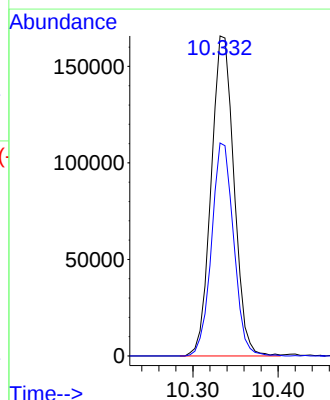
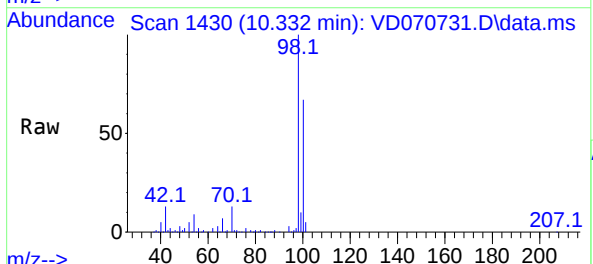
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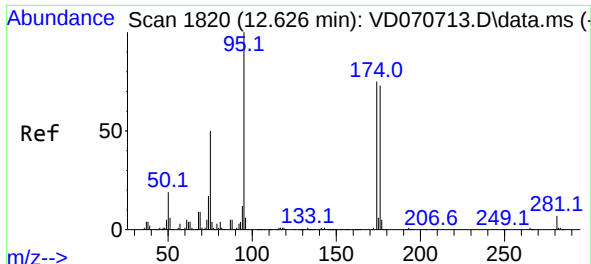
Tgt Ion:113 Resp: 102097  
Ion Ratio Lower Upper  
113 100  
111 100.8 83.1 124.7  
192 18.4 12.7 19.1



#50  
Toluene-d8  
Concen: 52.812 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

Tgt Ion: 98 Resp: 308383  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.2 78.4

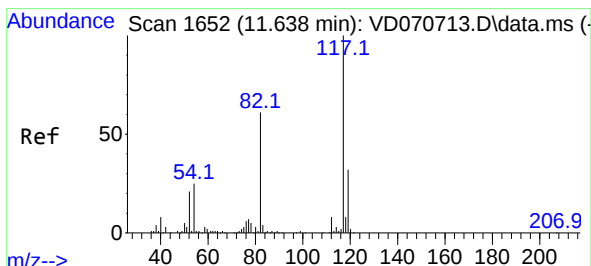
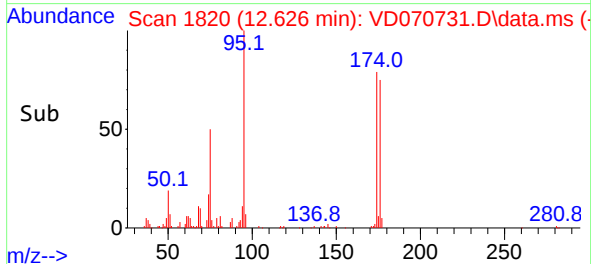
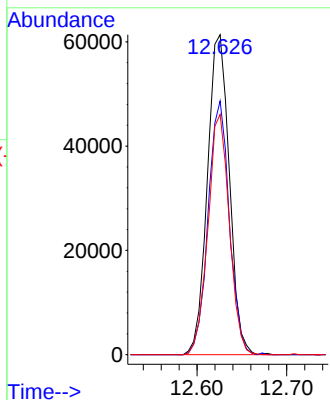
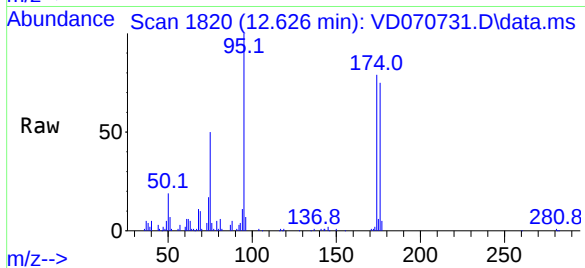




#62  
4-Bromofluorobenzene  
Concen: 51.744 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

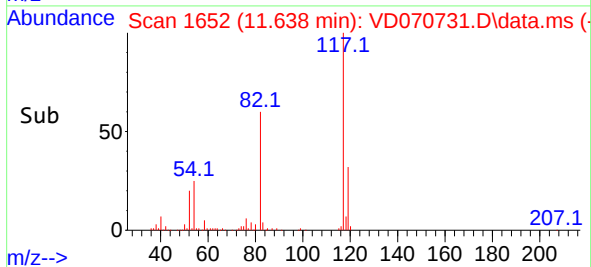
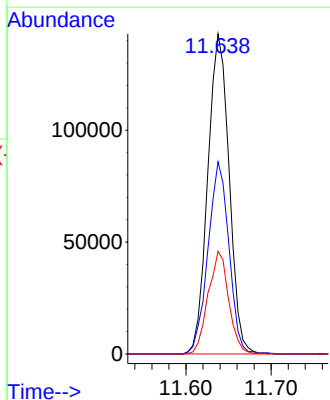
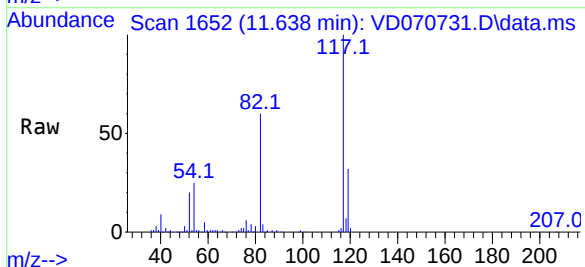
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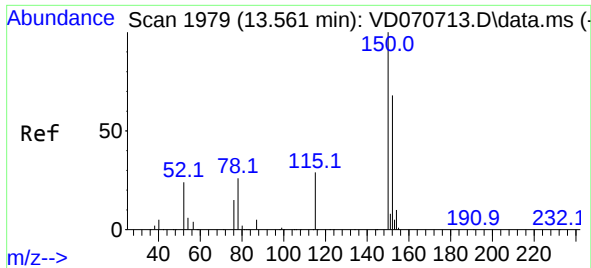
Tgt Ion: 95 Resp: 104038  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 138.0  
176 72.9 0.0 135.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070731.D  
Acq: 18 Oct 2021 15:47

Tgt Ion: 117 Resp: 249715  
Ion Ratio Lower Upper  
117 100  
82 60.0 45.4 68.2  
119 32.1 24.7 37.1





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. -0.000 min  
 Lab File: VD070731.D  
 Acq: 18 Oct 2021 15:47

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Tgt Ion:152 Resp: 106537  
 Ion Ratio Lower Upper  
 152 100  
 115 61.3 31.9 95.7  
 150 157.0 0.0 350.0

