

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081122\  
 Data File : VD074044.D  
 Acq On : 11 Aug 2022 16:23  
 Operator : VA/SY  
 Sample : N4130-11  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB09

Quant Time: Aug 11 18:03:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 14:55:58 2022  
 Response via : Initial Calibration

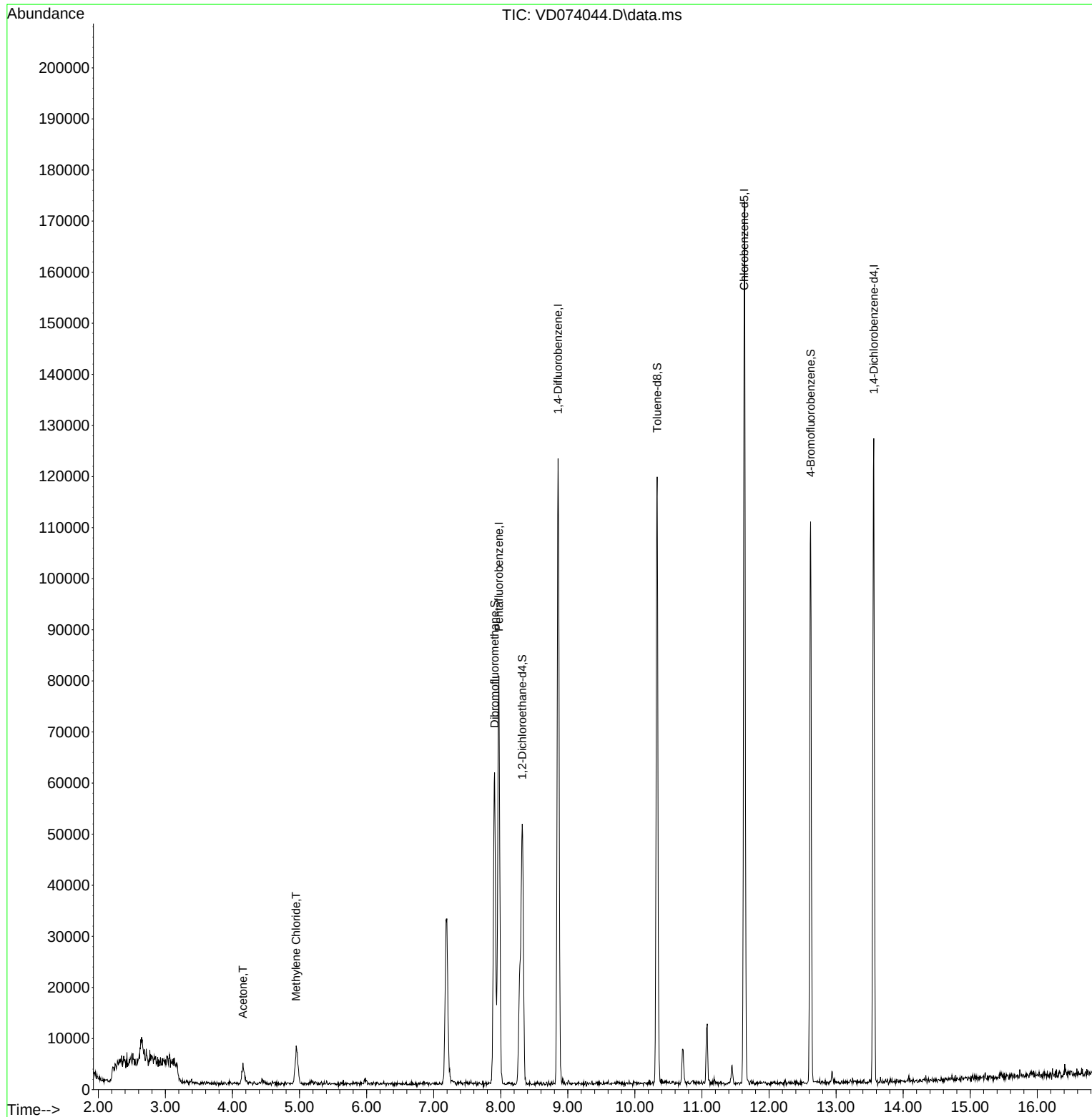
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Pentafluorobenzene       | 7.973  | 168   | 55440    | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 103741   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.632 | 117   | 94915    | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 32744    | 50.000   | ug/l   | 0.00      |
| System Monitoring Compounds |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 39947    | 98.551   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 197.100%# |
| 35) Dibromofluoromethane    | 7.908  | 113   | 41080    | 59.620   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 119.240%  |
| 50) Toluene-d8              | 10.332 | 98    | 81311    | 44.484   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 88.960%   |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 34033    | 40.164   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 80.320%   |
| Target Compounds            |        |       |          |          |        |           |
|                             |        |       |          |          | Qvalue |           |
| 16) Acetone                 | 4.156  | 43    | 6629     | 74.728   | ug/l   | 95        |
| 20) Methylene Chloride      | 4.950  | 84    | 5230     | 6.236    | ug/l # | 89        |
| -----                       |        |       |          |          |        |           |

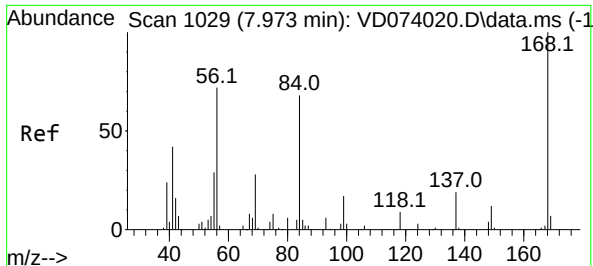
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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Quant Time: Aug 11 18:03:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 10 14:55:58 2022  
Response via : Initial Calibration

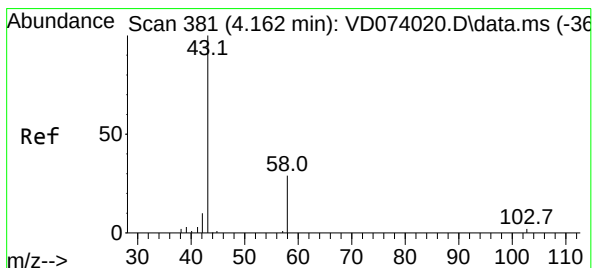
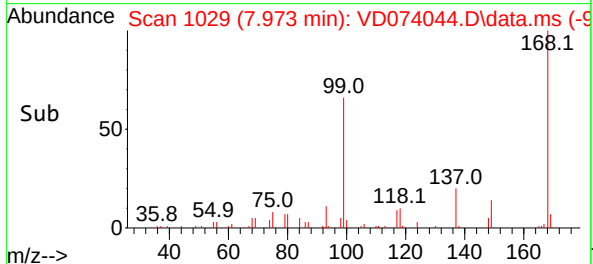
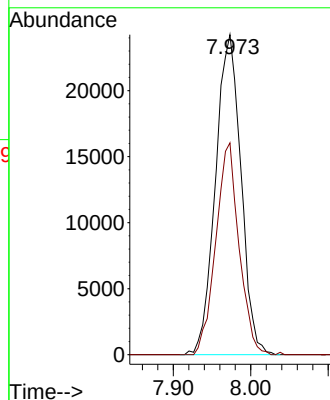
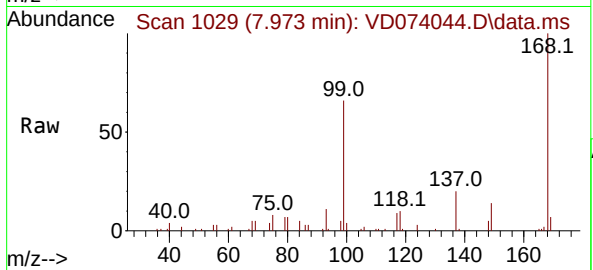




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

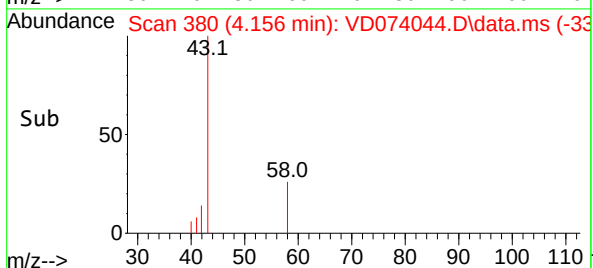
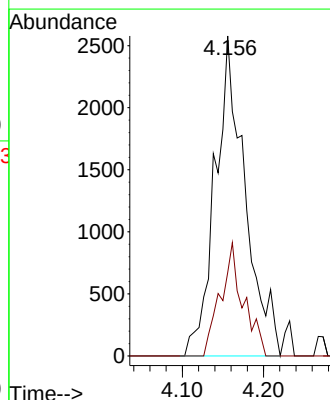
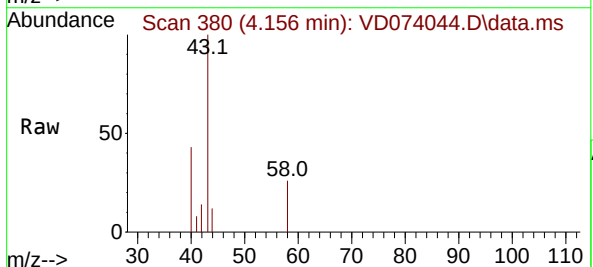
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

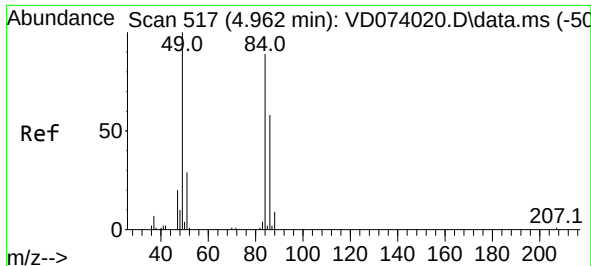
Tgt Ion:168 Resp: 55440  
Ion Ratio Lower Upper  
168 100  
99 66.2 48.3 72.5



#16  
Acetone  
Concen: 74.728 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

Tgt Ion: 43 Resp: 6629  
Ion Ratio Lower Upper  
43 100  
58 26.1 22.8 34.2

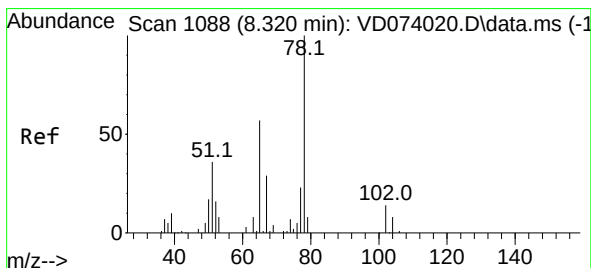
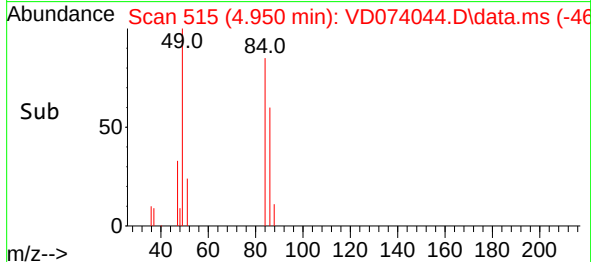
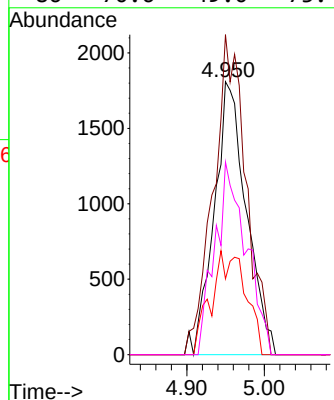
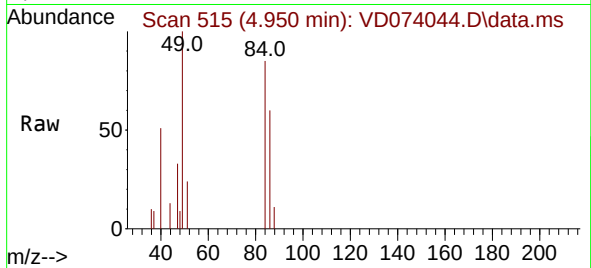




#20  
Methylene Chloride  
Concen: 6.236 ug/l  
RT: 4.950 min Scan# 517  
Delta R.T. -0.012 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

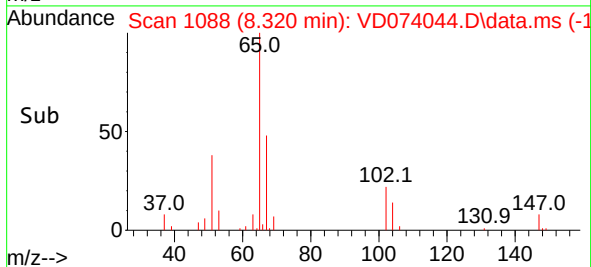
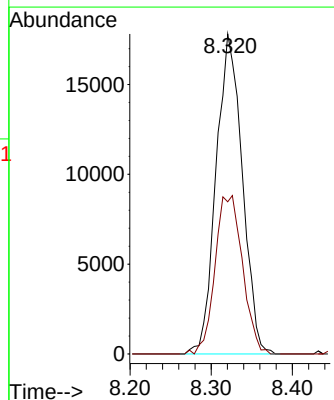
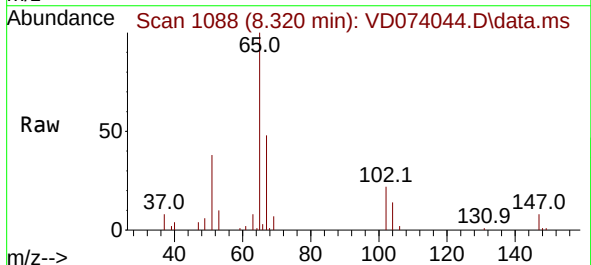
Instrument :  
MSVOA\_D  
ClientSampleId :  
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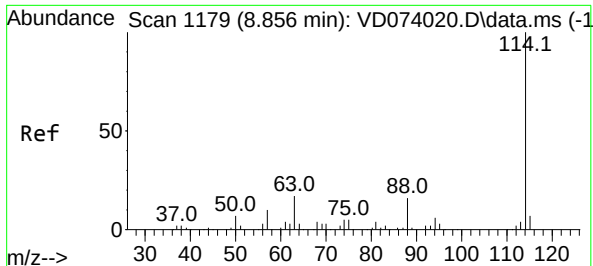
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5230  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.2 | 85.8  | 128.6 |
| 51       | 27.8  | 28.0  | 42.0# |
| 86       | 70.6  | 49.0  | 73.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 98.551 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 39947 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 51.9  | 0.0   | 113.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074044.D

Acq: 11 Aug 2022 16:23

Instrument :

MSVOA\_D

ClientSampleId :

SB09

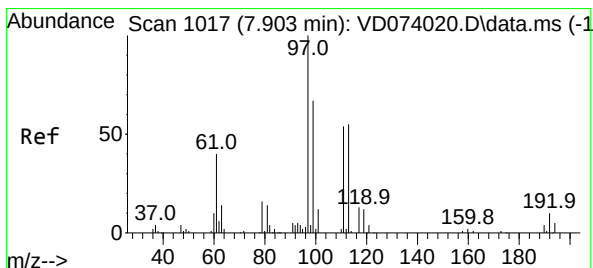
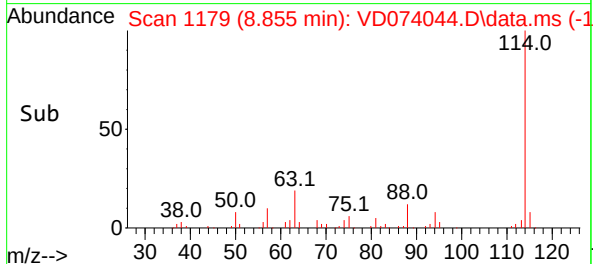
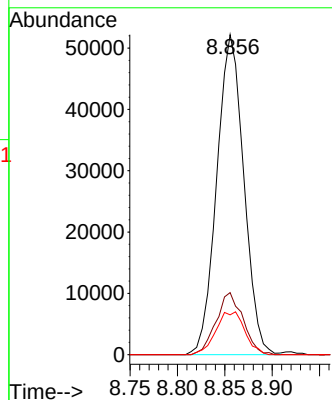
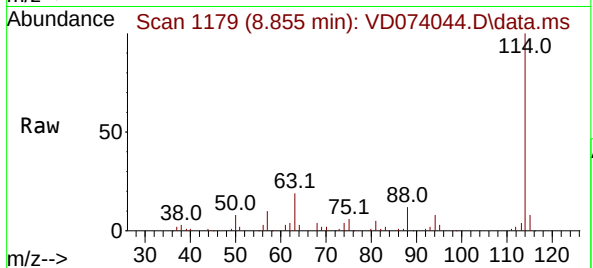
Tgt Ion:114 Resp: 103741

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 12.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 59.620 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.005 min

Lab File: VD074044.D

Acq: 11 Aug 2022 16:23

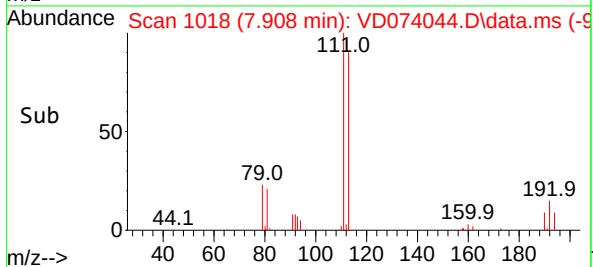
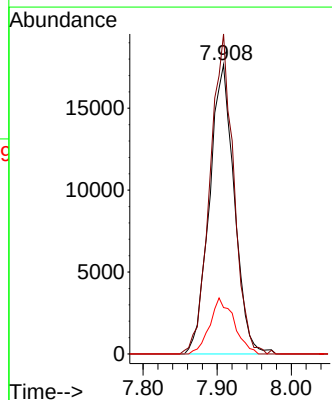
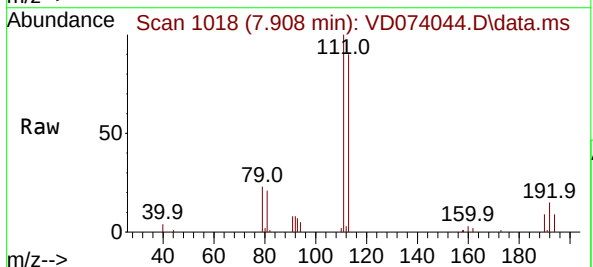
Tgt Ion:113 Resp: 41080

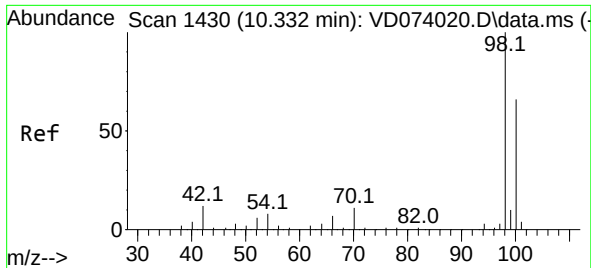
Ion Ratio Lower Upper

113 100

111 105.8 80.0 120.0

192 19.0 14.2 21.4

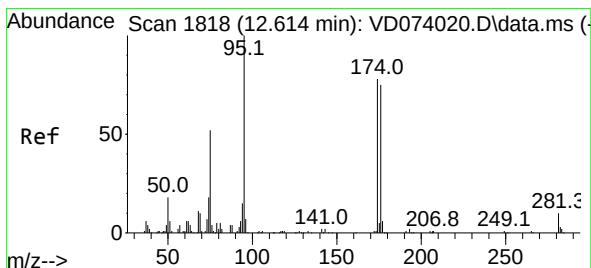
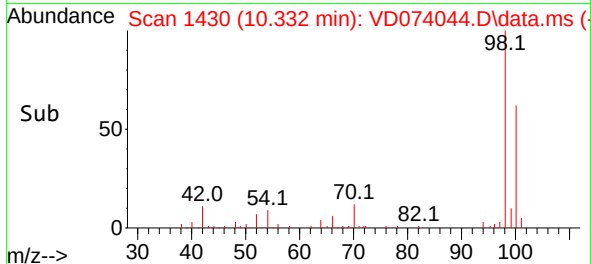
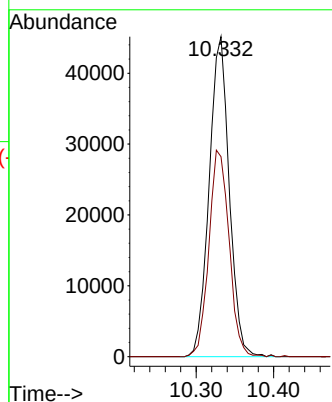
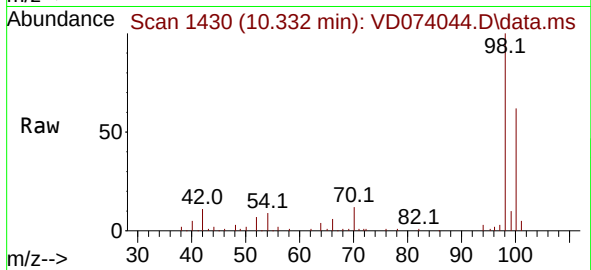




#50  
Toluene-d8  
Concen: 44.484 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

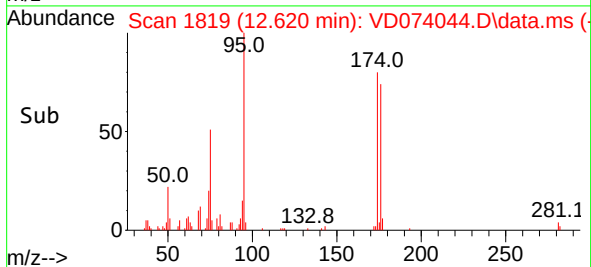
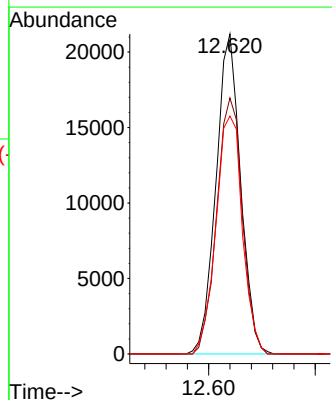
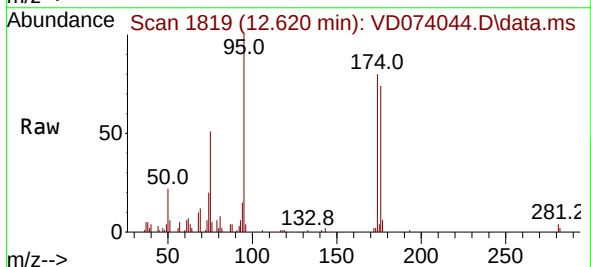
Instrument :  
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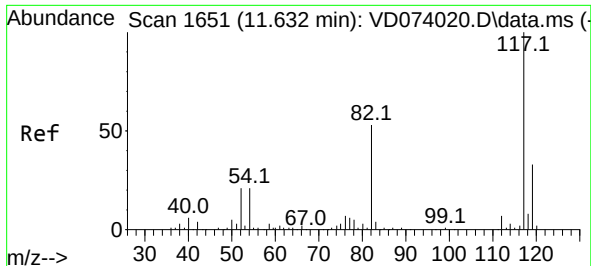
Tgt Ion: 98 Resp: 81311  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 40.164 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.006 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

Tgt Ion: 95 Resp: 34033  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 162.6  
176 79.8 0.0 160.0

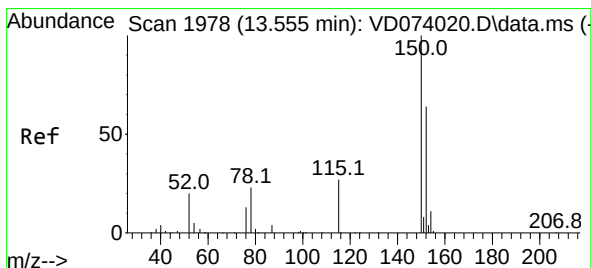
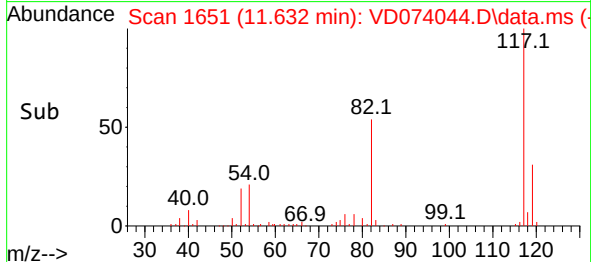
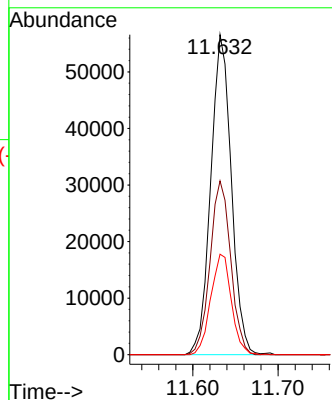
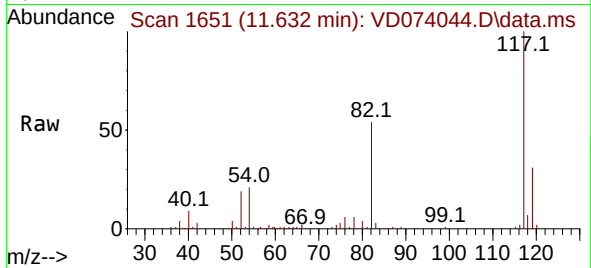




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB09

Tgt Ion:117 Resp: 94915  
Ion Ratio Lower Upper  
117 100  
82 54.3 42.7 64.1  
119 31.4 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.006 min  
Lab File: VD074044.D  
Acq: 11 Aug 2022 16:23

Tgt Ion:152 Resp: 32744  
Ion Ratio Lower Upper  
152 100  
115 62.1 29.9 89.8  
150 156.3 0.0 342.8

