

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061622\  
 Data File : VD073624.D  
 Acq On : 16 Jun 2022 18:27  
 Operator : VA/SY  
 Sample : N3351-04  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 40591

Quant Time: Jun 17 01:06:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 2022  
 Response via : Initial Calibration

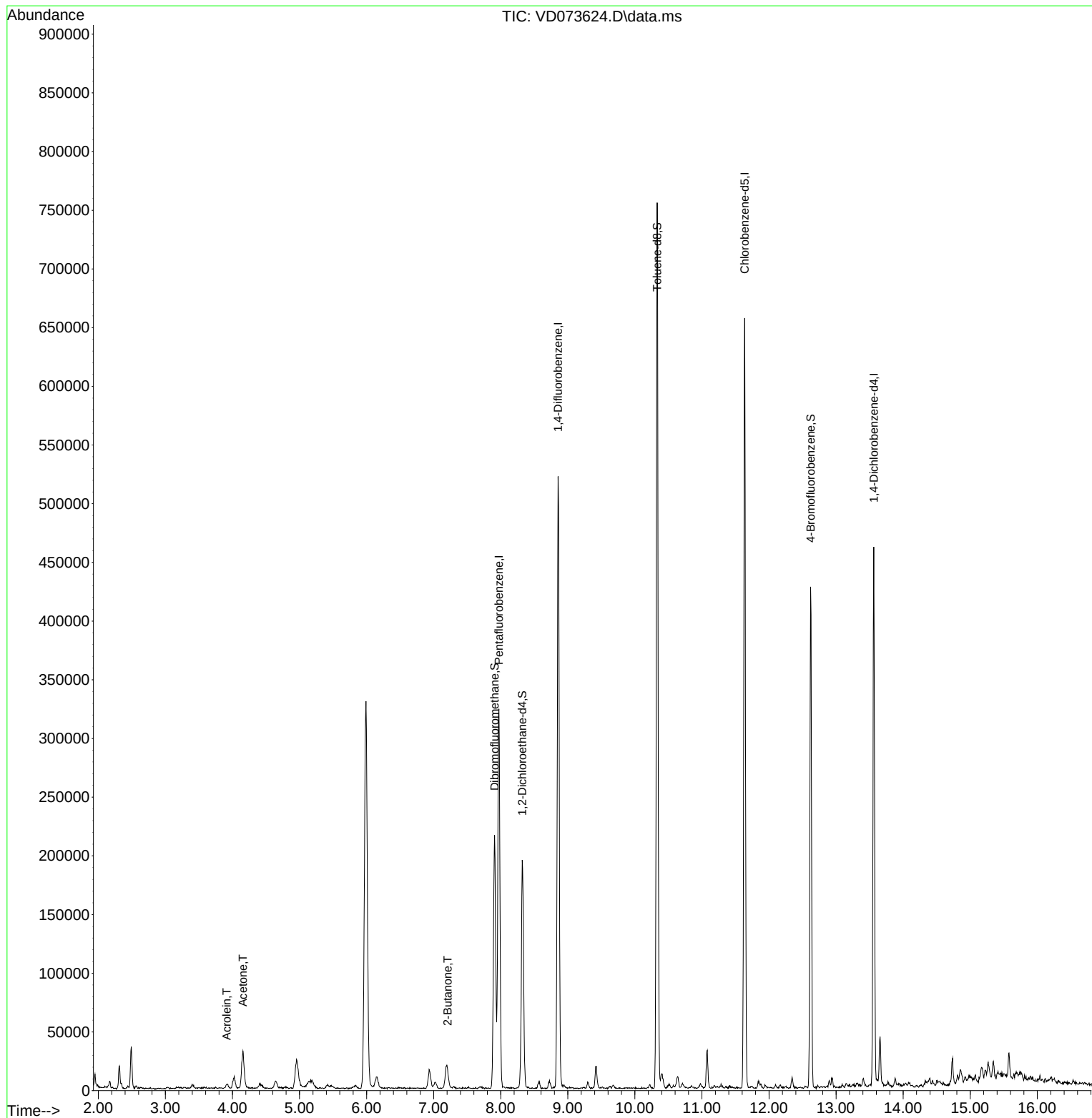
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 7.973     | 168            | 235051   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.856     | 114            | 448169   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.638    | 117            | 378876   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561    | 152            | 118670   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.320     | 65             | 154025   | 61.063     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | = 122.120% |        |          |
| 35) Dibromofluoromethane    | 7.909     | 113            | 157234   | 54.559     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | = 109.120% |        |          |
| 50) Toluene-d8              | 10.332    | 98             | 508015   | 46.623     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 49 - 140 | Recovery | = 93.240%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.620    | 95             | 145927   | 36.891     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 25 - 144 | Recovery | = 73.780%  |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            |        | Qvalue   |
| 13) Acrolein                | 3.915     | 56             | 3836     | 34.529     | ug/l # | 81       |
| 16) Acetone                 | 4.156     | 43             | 51398    | 115.726    | ug/l # | 86       |
| 25) 2-Butanone              | 7.209     | 43             | 12472    | 19.085     | ug/l   | 96       |
| -----                       |           |                |          |            |        |          |

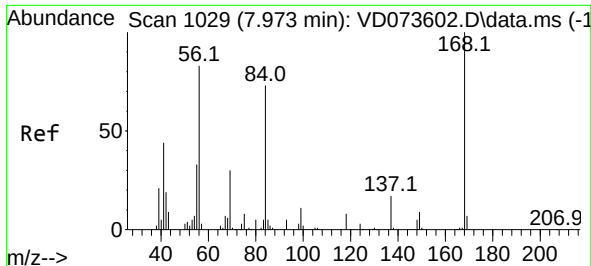
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061622\  
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Sample : N3351-04  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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40591

Quant Time: Jun 17 01:06:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 09 12:33:32 2022  
Response via : Initial Calibration

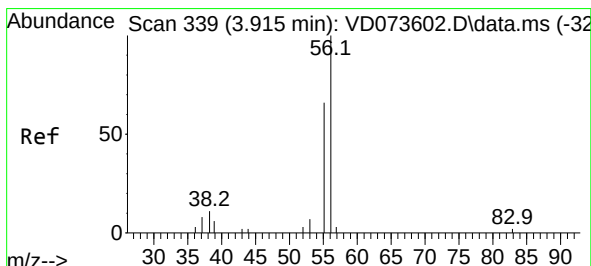
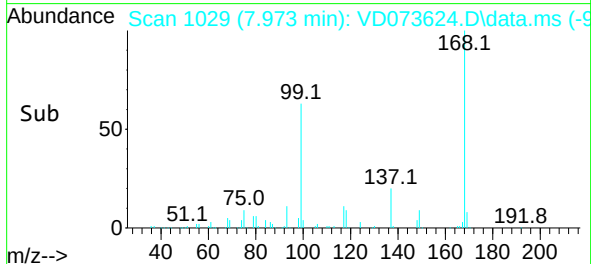
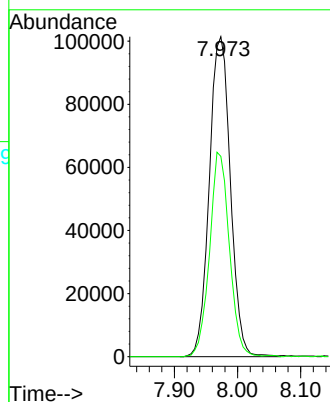
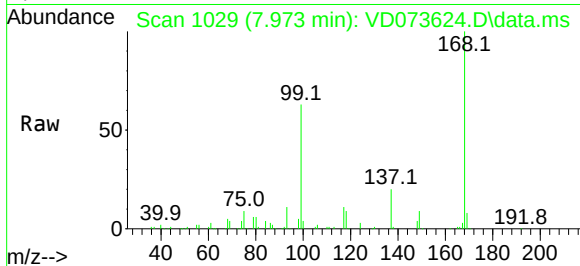




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

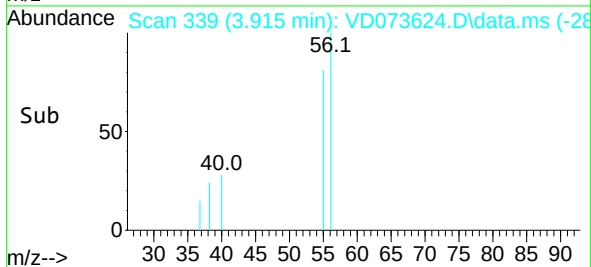
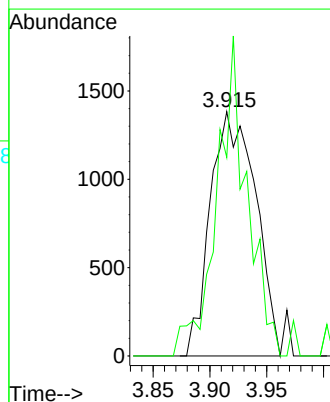
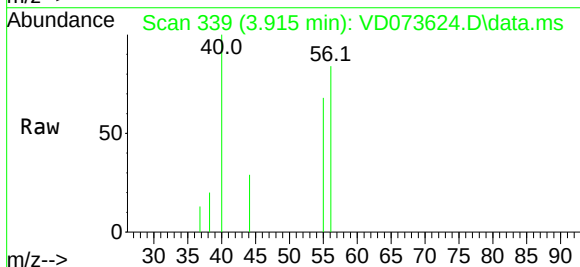
Instrument :  
MSVOA\_D  
ClientSampleId :  
40591

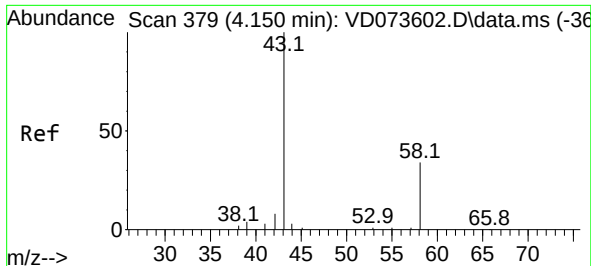
Tgt Ion:168 Resp: 235051  
Ion Ratio Lower Upper  
168 100  
99 62.6 49.8 74.6



#13  
Acrolein  
Concen: 34.529 ug/l  
RT: 3.915 min Scan# 339  
Delta R.T. -0.000 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

Tgt Ion: 56 Resp: 3836  
Ion Ratio Lower Upper  
56 100  
55 87.4 57.1 85.7#

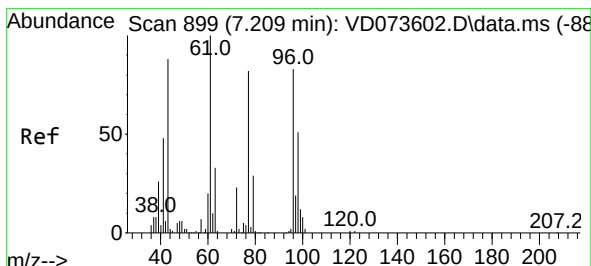
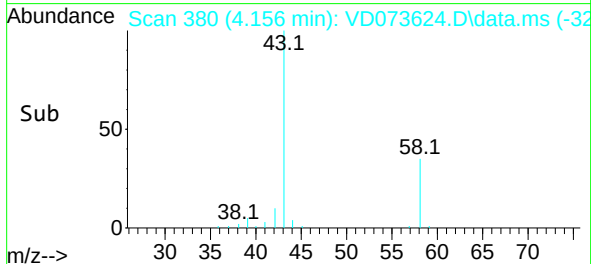
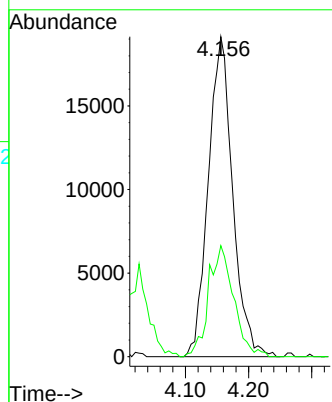
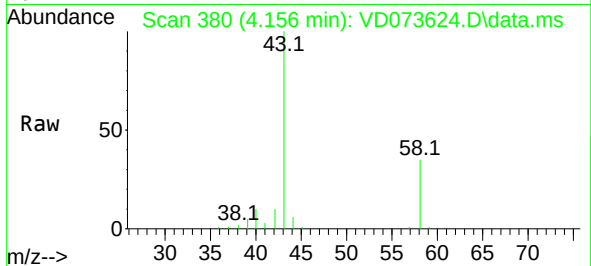




#16  
Acetone  
Concen: 115.726 ug/l  
RT: 4.156 min Scan# 379  
Delta R.T. 0.006 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

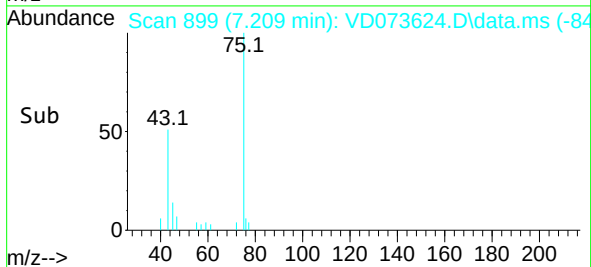
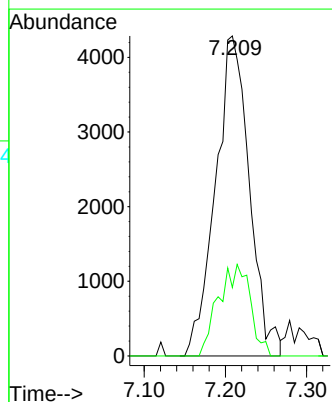
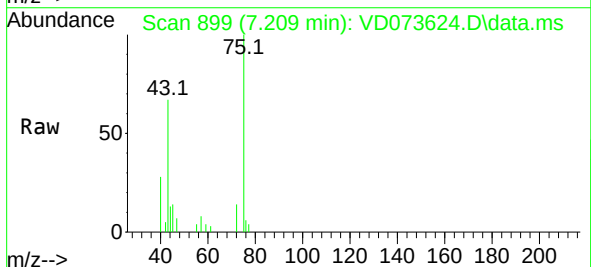
Instrument :  
MSVOA\_D  
ClientSampleId :  
40591

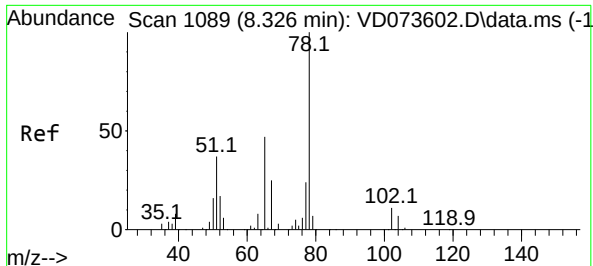
Tgt Ion: 43 Resp: 51398  
Ion Ratio Lower Upper  
43 100  
58 34.7 22.1 33.1#



#25  
2-Butanone  
Concen: 19.085 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

Tgt Ion: 43 Resp: 12472  
Ion Ratio Lower Upper  
43 100  
72 21.4 18.6 27.8





#33

1,2-Dichloroethane-d4

Concen: 61.063 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073624.D

Acq: 16 Jun 2022 18:27

Instrument :

MSVOA\_D

ClientSampleId :

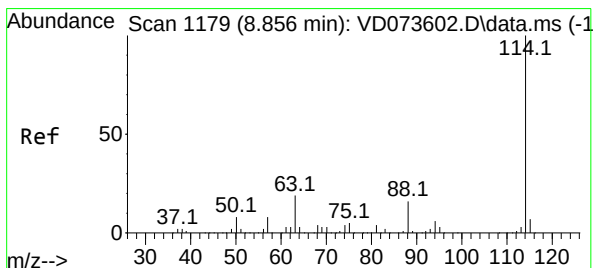
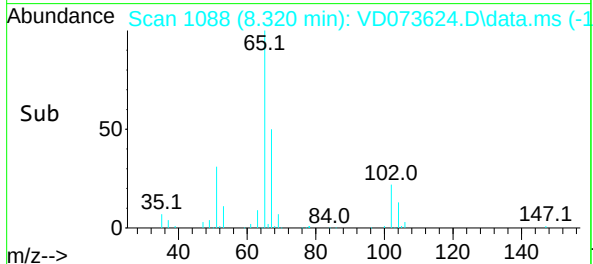
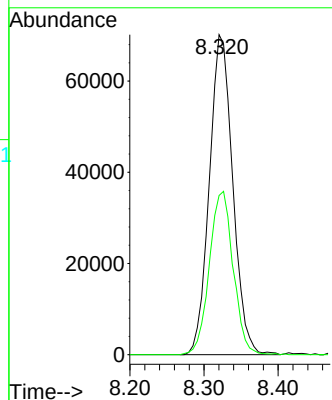
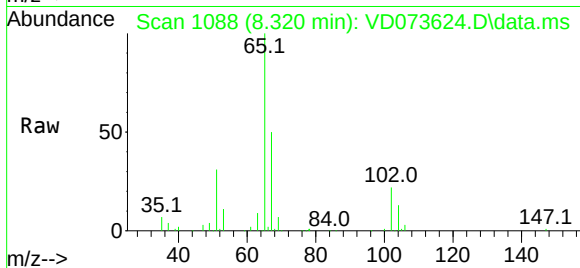
40591

Tgt Ion: 65 Resp: 154025

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073624.D

Acq: 16 Jun 2022 18:27

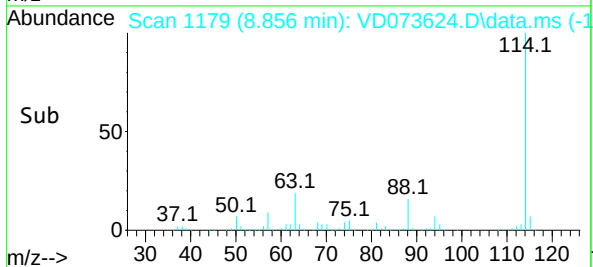
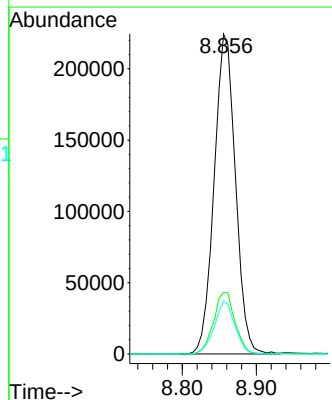
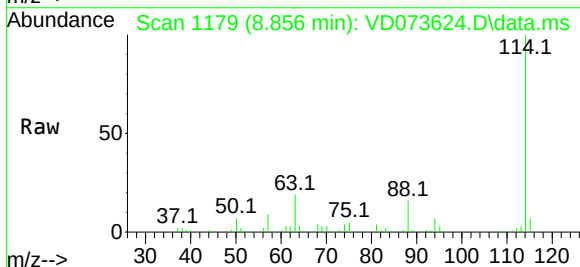
Tgt Ion: 114 Resp: 448169

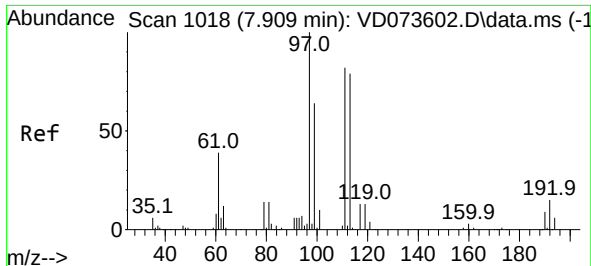
Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 16.4 0.0 33.2

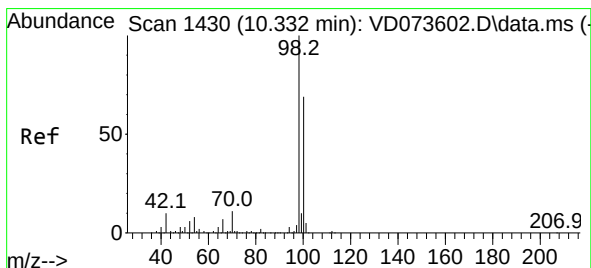
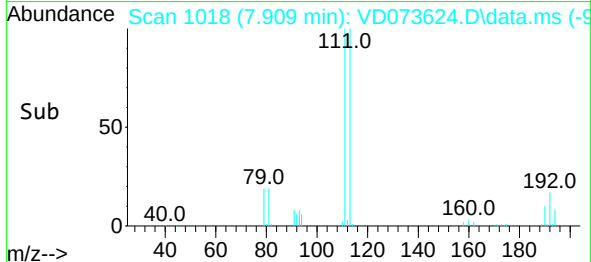
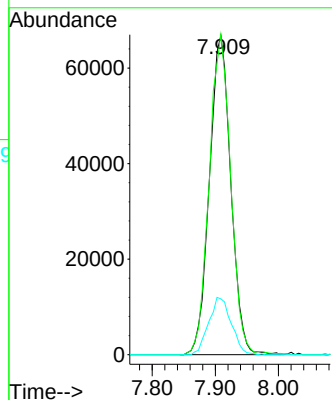
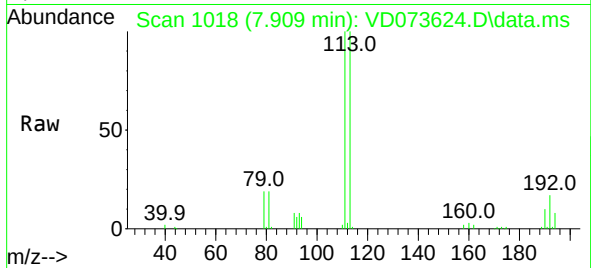




#35  
Dibromofluoromethane  
Concen: 54.559 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. 0.001 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

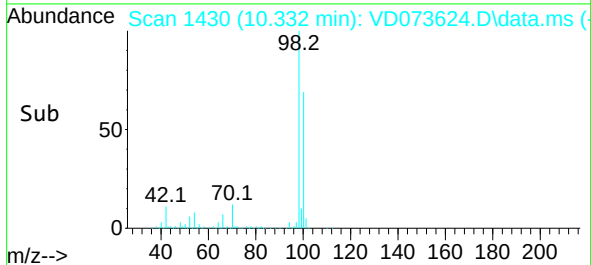
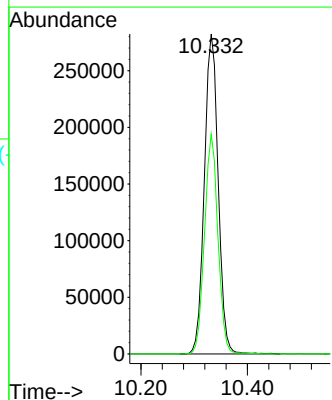
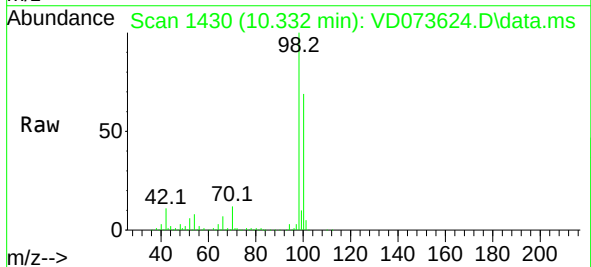
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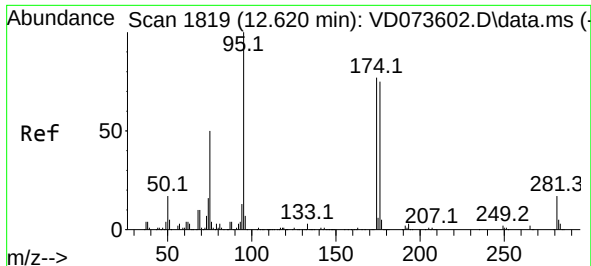
Tgt Ion:113 Resp: 157234  
Ion Ratio Lower Upper  
113 100  
111 101.1 83.8 125.6  
192 18.9 14.6 21.8



#50  
Toluene-d8  
Concen: 46.623 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

Tgt Ion: 98 Resp: 508015  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.4 78.6

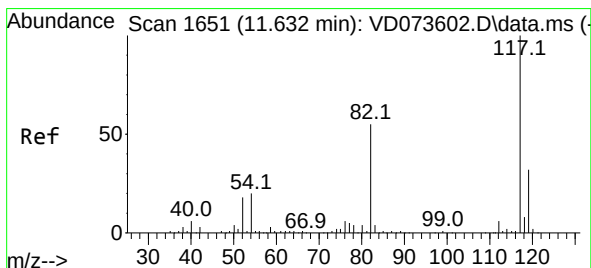
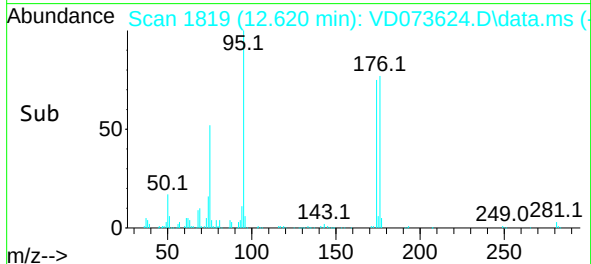
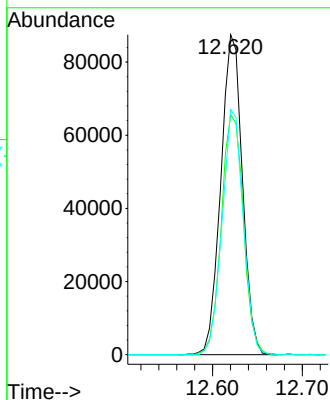
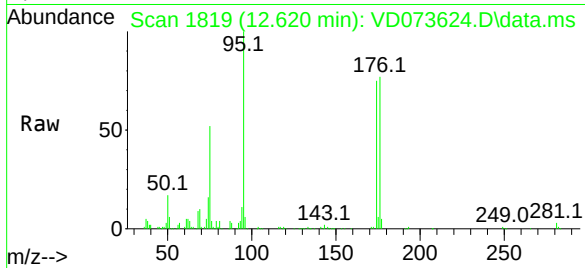




#62  
4-Bromofluorobenzene  
Concen: 36.891 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

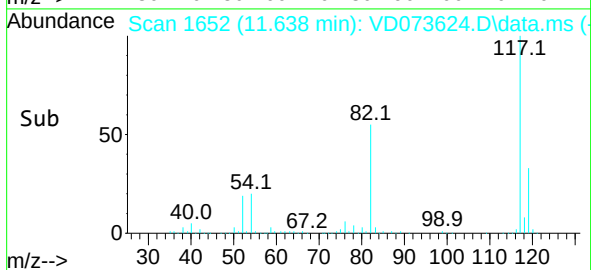
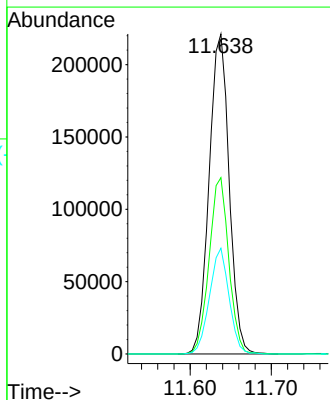
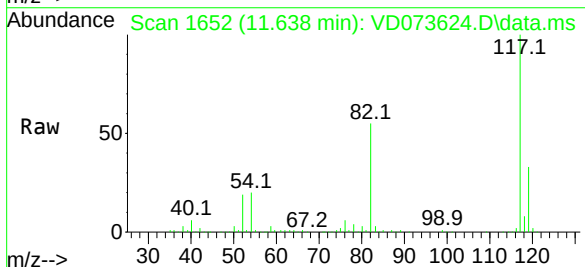
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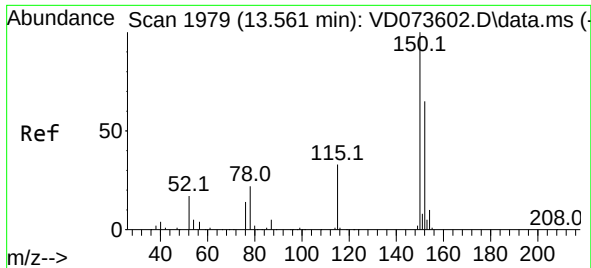
Tgt Ion: 95 Resp: 145927  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 152.8  
176 75.1 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.006 min  
Lab File: VD073624.D  
Acq: 16 Jun 2022 18:27

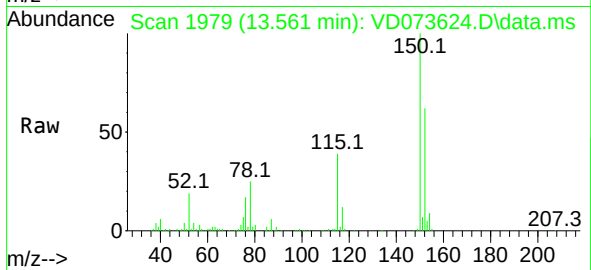
Tgt Ion: 117 Resp: 378876  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.3 67.9  
119 33.1 26.6 40.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073624.D  
 Acq: 16 Jun 2022 18:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Tgt Ion:152 Resp: 118670  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 31.3 93.8  
 150 160.4 0.0 348.6

