

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052322\  
 Data File : VD073299.D  
 Acq On : 24 May 2022 00:01  
 Operator : VA/SY  
 Sample : N2885-19  
 Misc : 4.72G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P014-SS002-1218-01

Quant Time: May 24 03:31:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

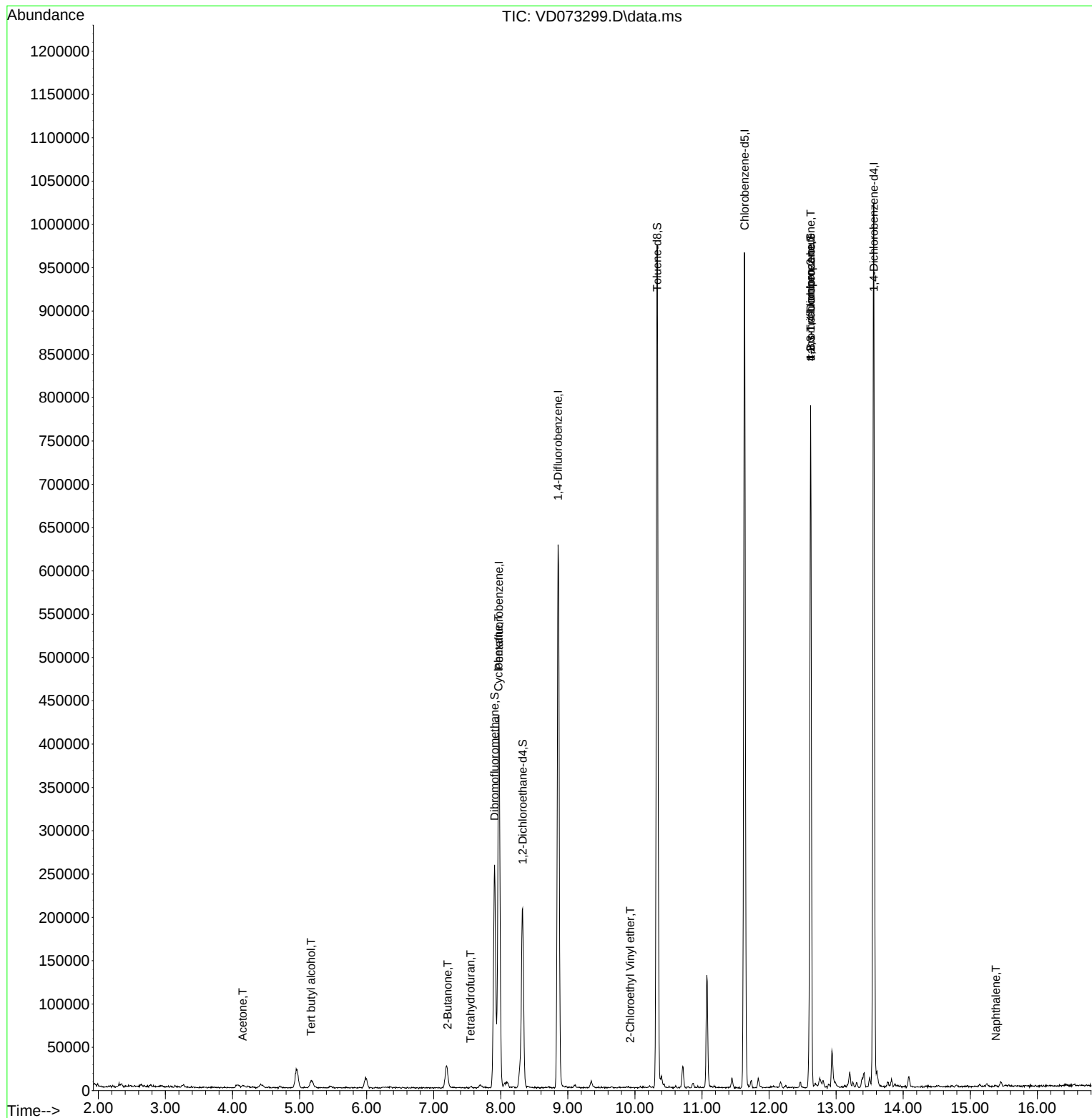
| Compound                      | R.T.           | QIon | Response            | Conc           | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|----------------|-------|----------|
| -----                         |                |      |                     |                |       |          |
| Internal Standards            |                |      |                     |                |       |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 311600              | 50.000         | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855          | 114  | 542640              | 50.000         | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 562841              | 50.000         | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 258320              | 50.000         | ug/l  | 0.00     |
|                               |                |      |                     |                |       |          |
| System Monitoring Compounds   |                |      |                     |                |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 161475              | 46.891         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 93.780%  |                |       |          |
| 35) Dibromofluoromethane      | 7.908          | 113  | 180292              | 50.351         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 100.700% |                |       |          |
| 50) Toluene-d8                | 10.332         | 98   | 666809              | 50.518         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 101.040% |                |       |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 250049              | 53.981         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 107.960% |                |       |          |
|                               |                |      |                     |                |       |          |
| Target Compounds              |                |      | Qvalue              |                |       |          |
| 5) Bromomethane               | 2.768          | 94   | 1228                | Below Cal      |       | 98       |
| 11) Tert butyl alcohol        | 5.173          | 59   | 8675                | 16.237 ug/l #  |       | 74       |
| 16) Acetone                   | 4.150          | 43   | 5699                | 9.555 ug/l #   |       | 86       |
| 25) 2-Butanone                | 7.208          | 43   | 1503                | 1.722 ug/l #   |       | 52       |
| 29) Tetrahydrofuran           | 7.550          | 42   | 1032                | 1.829 ug/l #   |       | 43       |
| 31) Cyclohexane               | 7.967          | 56   | 9379                | 1.559 ug/l #   |       | 15       |
| 58) 2-Chloroethyl Vinyl ether | 9.932          | 63   | 89                  | 21.674 ug/l #  |       | 48       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 123250              | 48.628 ug/l #  |       | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 123250              | 116.740 ug/l # |       | 7        |
| 95) Naphthalene               | 15.384         | 128  | 1008                | 3.652 ug/l #   |       | 80       |
| -----                         |                |      |                     |                |       |          |

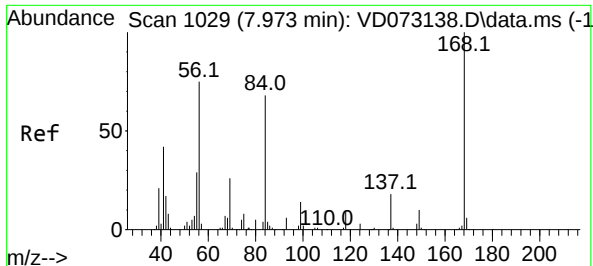
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P014-SS002-1218-01

Quant Time: May 24 03:31:08 2022  
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Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

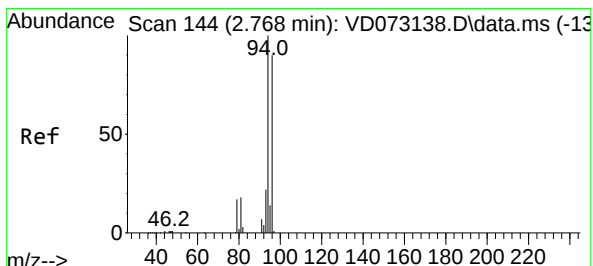
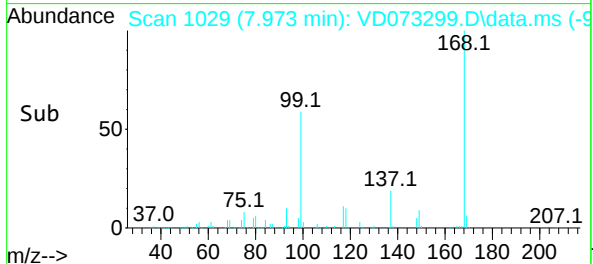
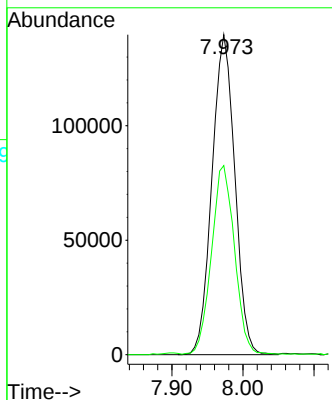
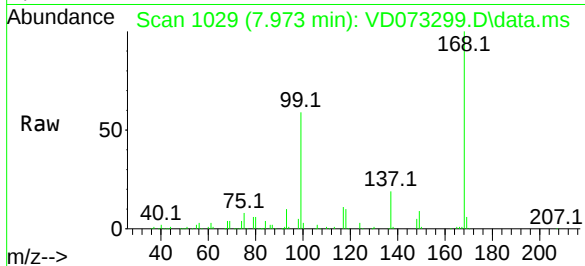




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

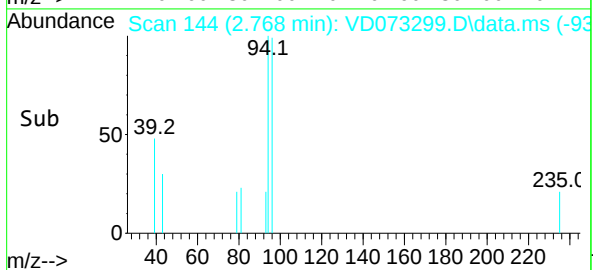
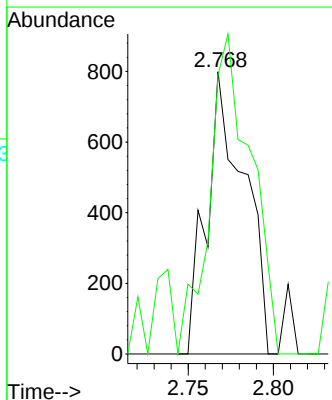
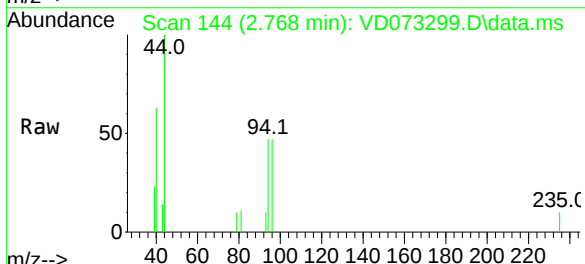
Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-1218-01

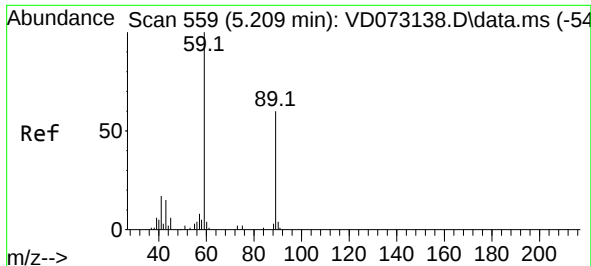
Tgt Ion:168 Resp: 311600  
Ion Ratio Lower Upper  
168 100  
99 58.9 49.8 74.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.768 min Scan# 144  
Delta R.T. -0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Tgt Ion: 94 Resp: 1228  
Ion Ratio Lower Upper  
94 100  
96 98.7 77.6 116.4





#11

Tert butyl alcohol

Concen: 16.237 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073299.D

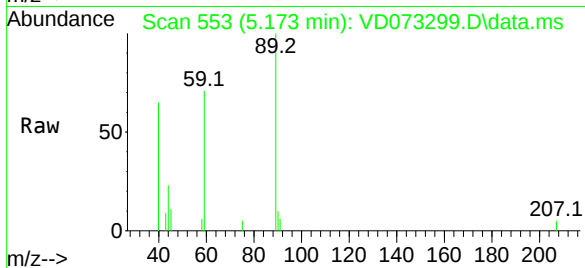
Acq: 24 May 2022 00:01

Instrument :

MSVOA\_D

ClientSampleId :

P014-SS002-1218-01

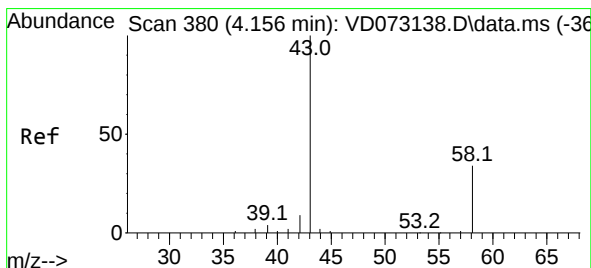
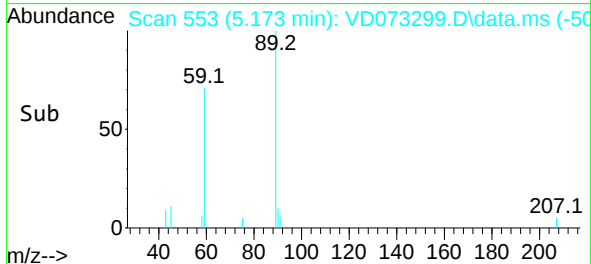
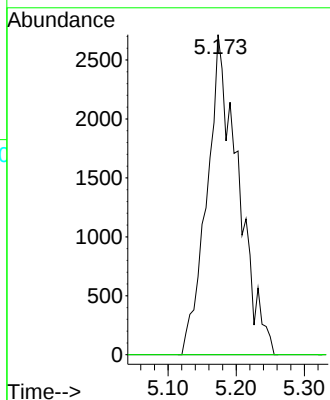


Tgt Ion: 59 Resp: 8675

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 9.555 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD073299.D

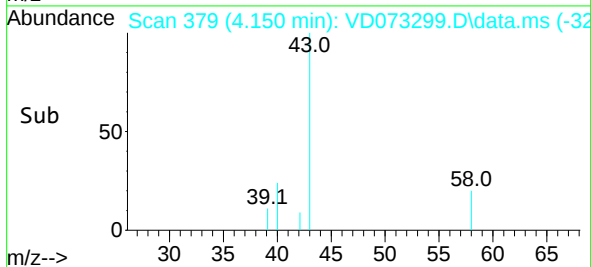
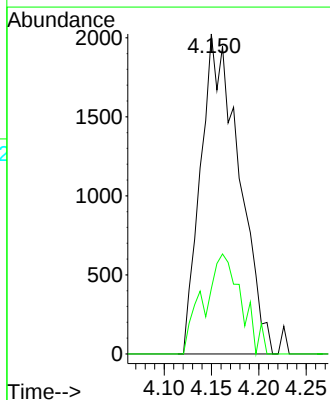
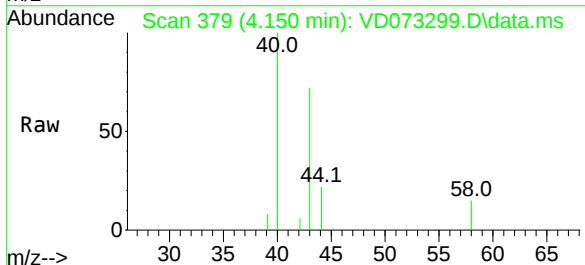
Acq: 24 May 2022 00:01

Tgt Ion: 43 Resp: 5699

Ion Ratio Lower Upper

43 100

58 20.4 22.1 33.1#

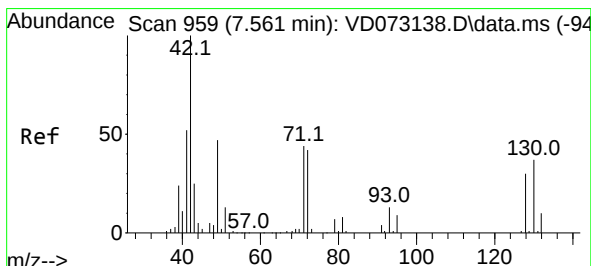
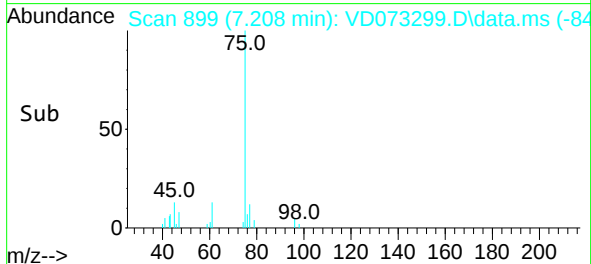
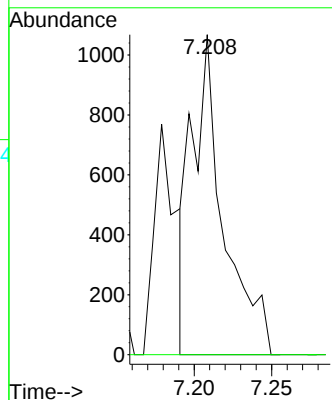
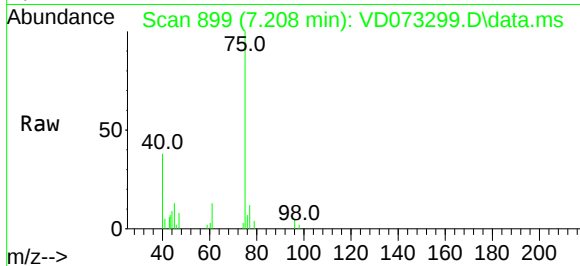




#25  
2-Butanone  
Concen: 1.722 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

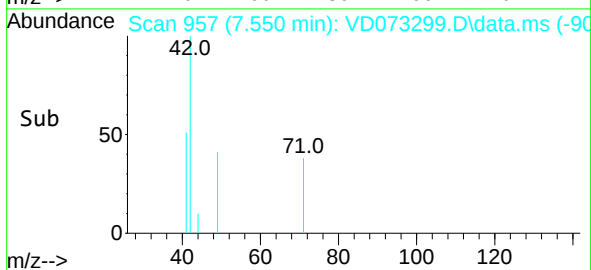
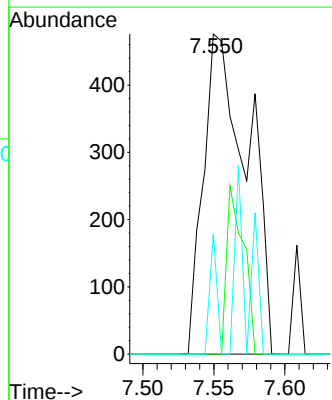
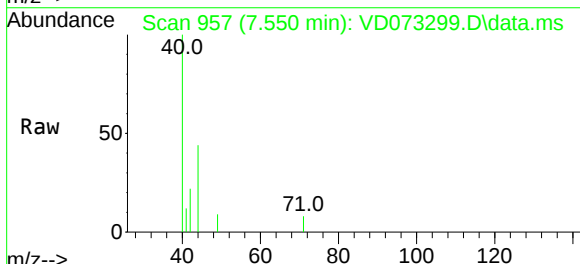
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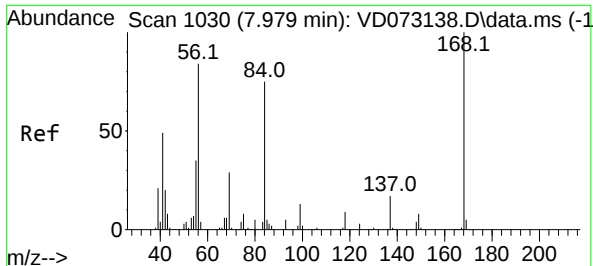
Tgt Ion: 43 Resp: 1503  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#



#29  
Tetrahydrofuran  
Concen: 1.829 ug/l  
RT: 7.550 min Scan# 957  
Delta R.T. -0.011 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Tgt Ion: 42 Resp: 1032  
Ion Ratio Lower Upper  
42 100  
72 0.0 30.7 46.1#  
71 6.1 28.6 43.0#

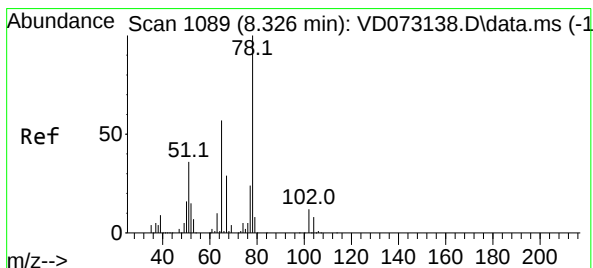
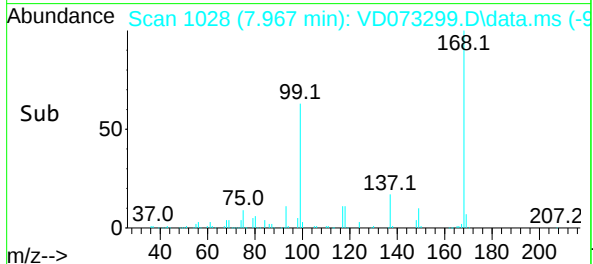
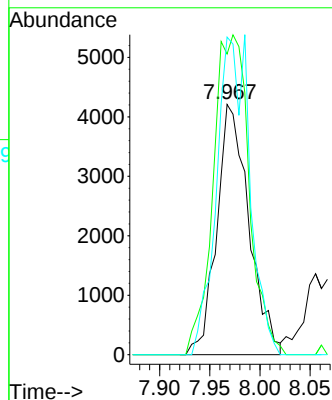
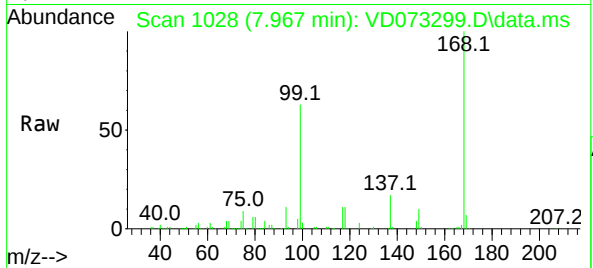




#31  
Cyclohexane  
Concen: 1.559 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

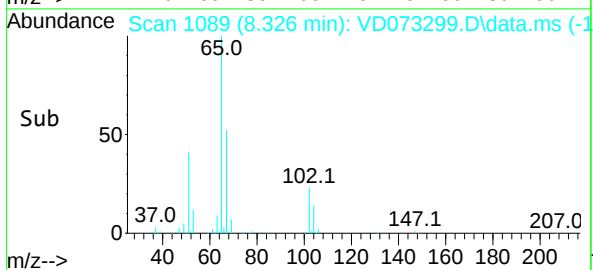
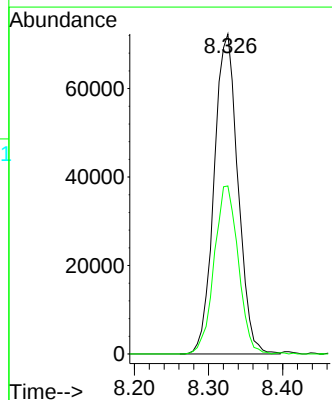
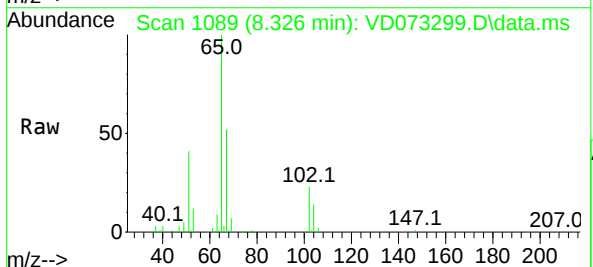
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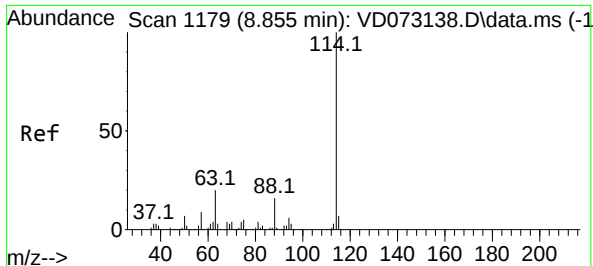
Tgt Ion: 56 Resp: 9379  
Ion Ratio Lower Upper  
56 100  
69 120.1 25.4 38.2#  
84 126.9 63.0 94.4#



#33  
1,2-Dichloroethane-d4  
Concen: 46.891 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Tgt Ion: 65 Resp: 161475  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 101.4

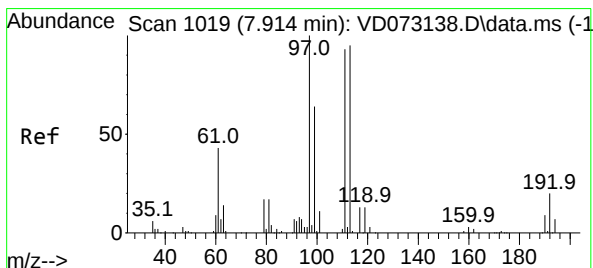
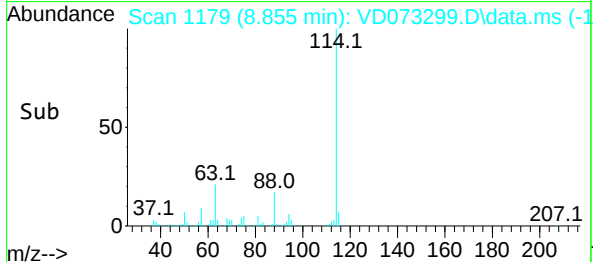
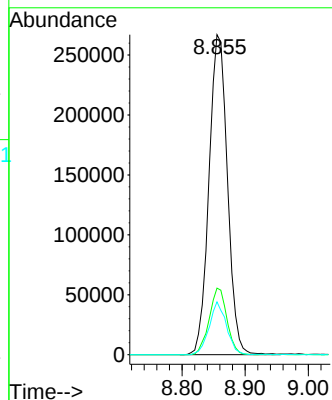
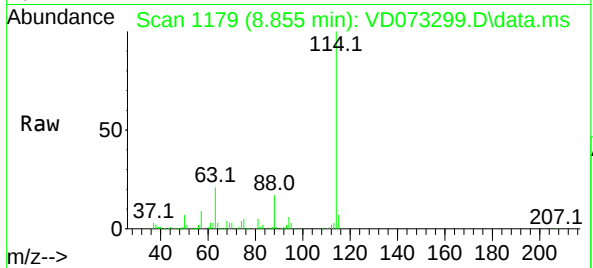




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

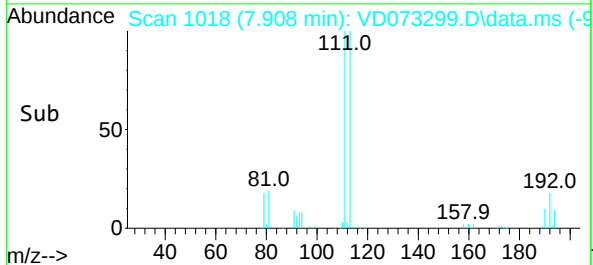
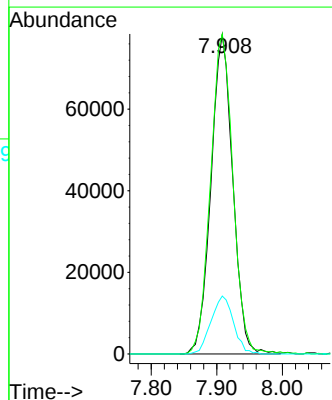
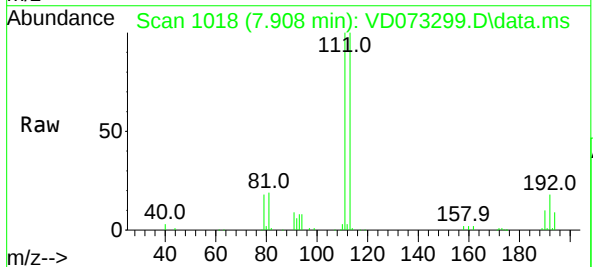
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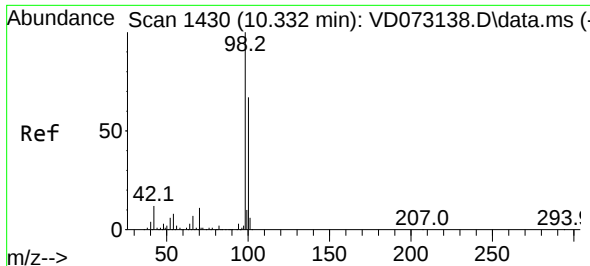
Tgt Ion:114 Resp: 542640  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 46.6  
88 16.5 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 50.351 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Tgt Ion:113 Resp: 180292  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.8 125.6  
192 18.7 14.6 21.8

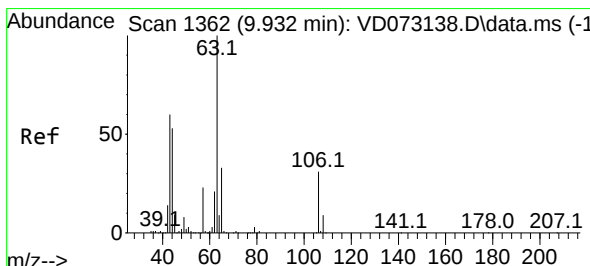
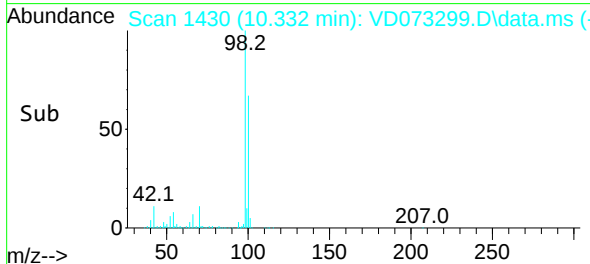
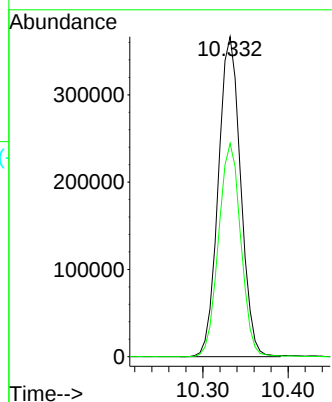
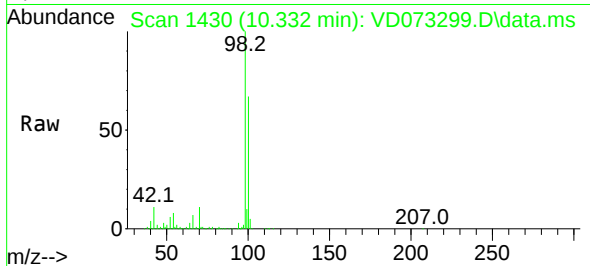




#50  
Toluene-d8  
Concen: 50.518 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

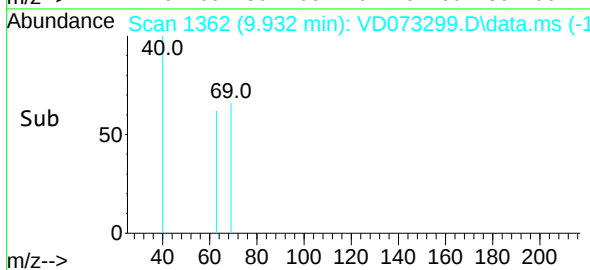
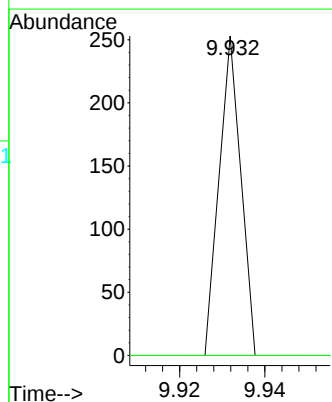
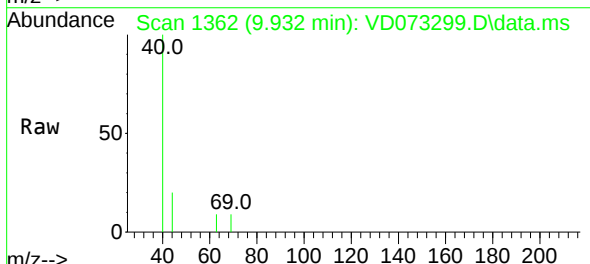
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ClientSampleId : P014-SS002-1218-01

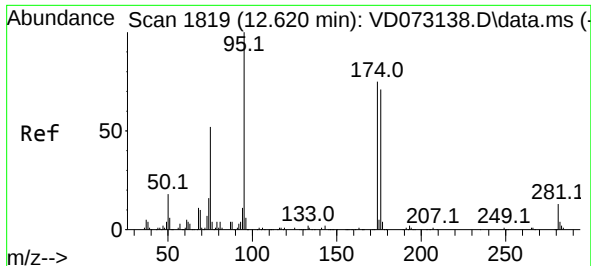
Tgt Ion: 98 Resp: 666809  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.4 78.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 21.674 ug/l  
RT: 9.932 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Tgt Ion: 63 Resp: 89  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.4 32.0#

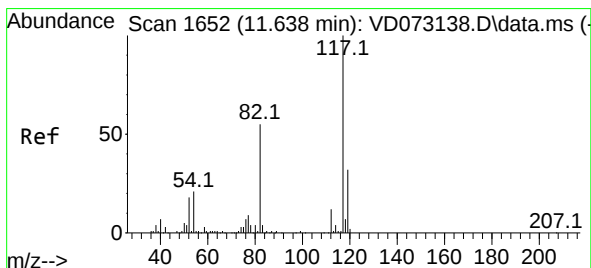
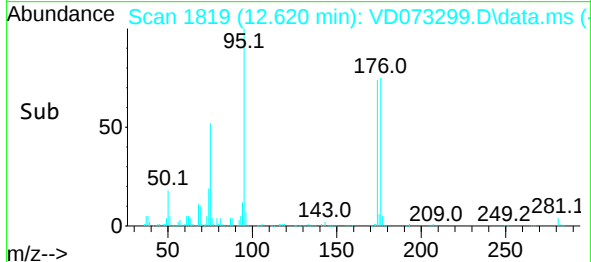
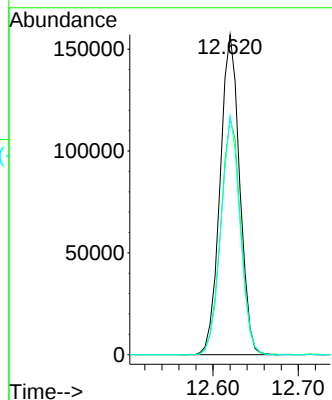
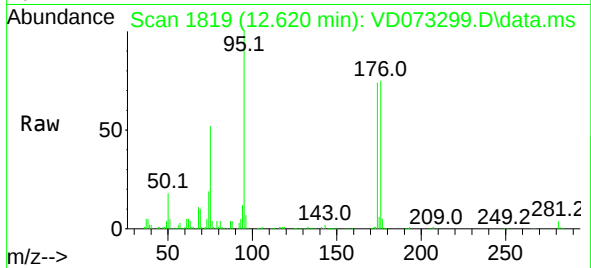




#62  
4-Bromofluorobenzene  
Concen: 53.981 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

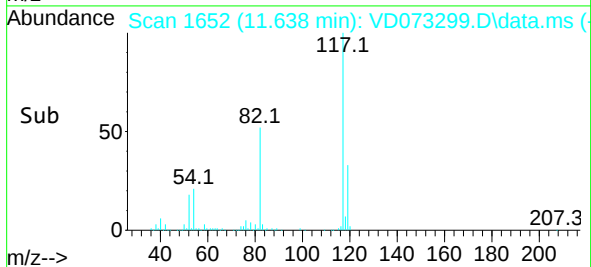
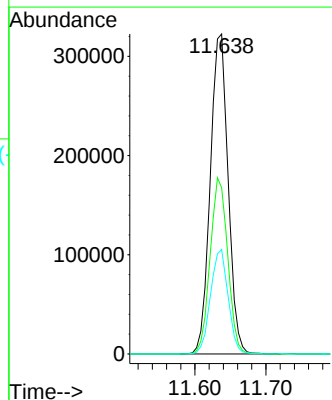
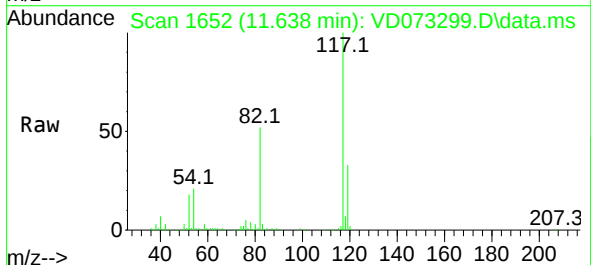
Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-1218-01

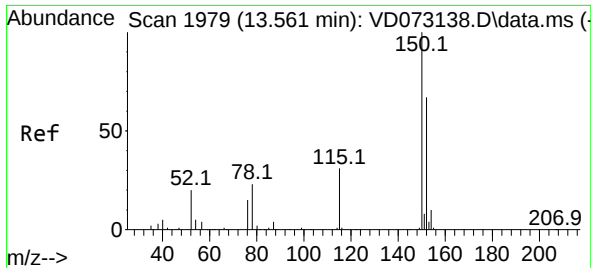
Tgt Ion: 95 Resp: 250049  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 152.8  
176 73.1 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Tgt Ion: 117 Resp: 562841  
Ion Ratio Lower Upper  
117 100  
82 51.9 45.3 67.9  
119 32.7 26.6 40.0

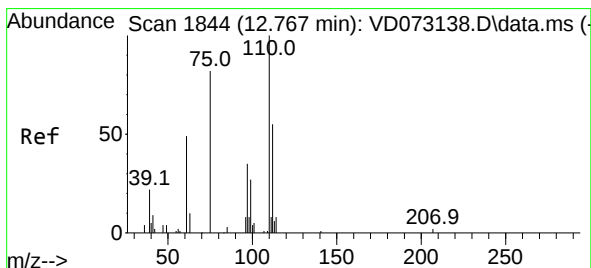
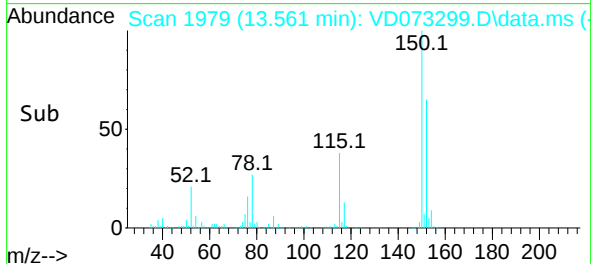
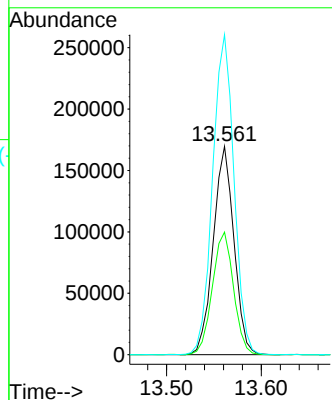
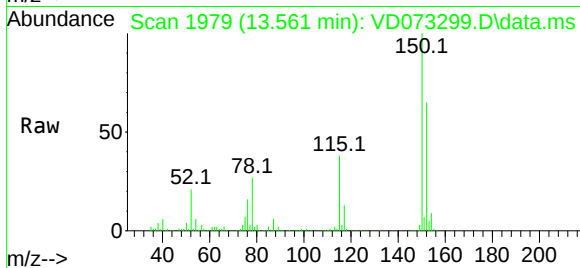




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073299.D  
 Acq: 24 May 2022 00:01

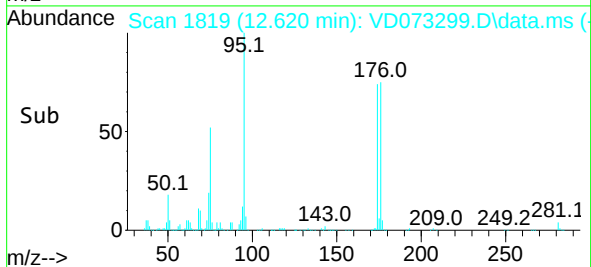
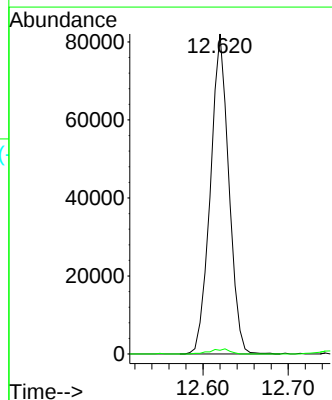
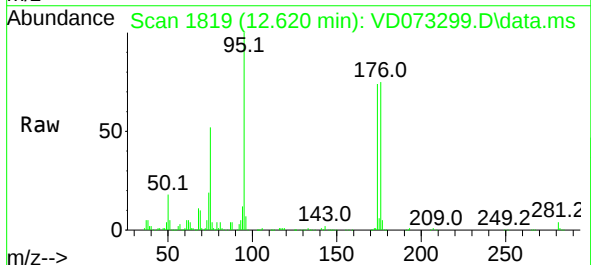
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P014-SS002-1218-01

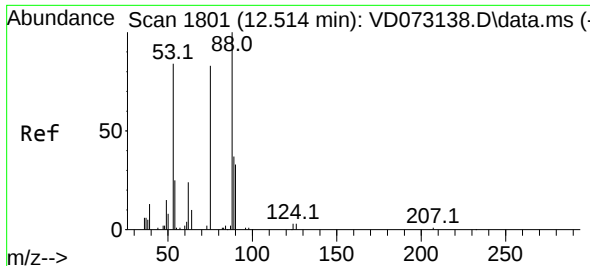
Tgt Ion:152 Resp: 258320  
 Ion Ratio Lower Upper  
 152 100  
 115 60.0 31.3 93.8  
 150 158.5 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 48.628 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073299.D  
 Acq: 24 May 2022 00:01

Tgt Ion: 75 Resp: 123250  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 0.0 0.0#

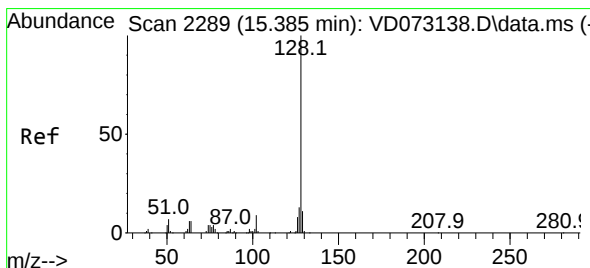
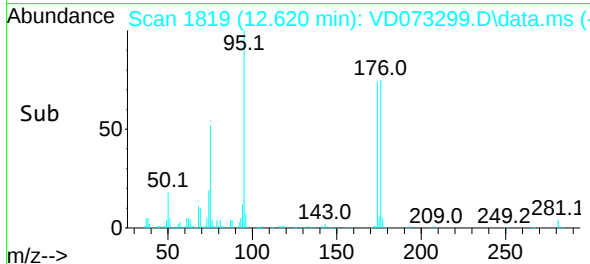
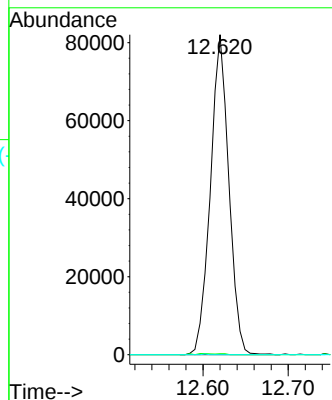
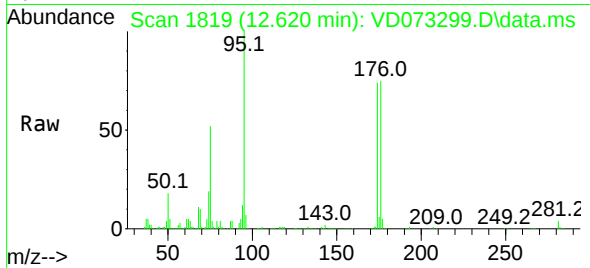




#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.740 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
P014-SS002-1218-01

Tgt Ion: 75 Resp: 123250  
Ion Ratio Lower Upper  
75 100  
53 0.5 86.5 129.7#  
89 0.0 33.9 50.9#



#95  
Naphthalene  
Concen: 3.652 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.001 min  
Lab File: VD073299.D  
Acq: 24 May 2022 00:01

Tgt Ion: 128 Resp: 1008  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 9.0 8.4 12.6

