

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030221\  
 Data File : VD068493.D  
 Acq On : 02 Mar 2021 13:49  
 Operator : VA/SY  
 Sample : M1527-02RE  
 Misc : 6.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

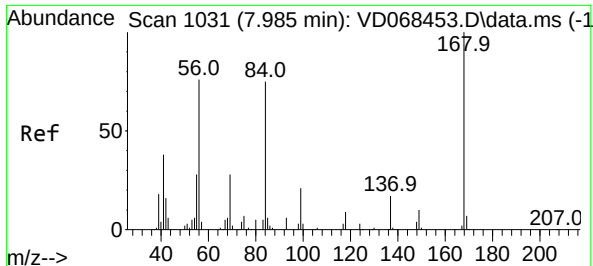
Quant Time: Mar 02 23:57:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.985          | 168  | 340719             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 615773             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644         | 117  | 585758             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 268304             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 183765             | 53.98     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 107.96% |           |        |          |
| 35) Dibromofluoromethane      | 7.920          | 113  | 192516             | 51.90     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 103.80% |           |        |          |
| 50) Toluene-d8                | 10.344         | 98   | 773263             | 52.34     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 104.68% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.632         | 95   | 253986             | 53.34     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 106.68% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
|                               |                |      |                    |           | Qvalue |          |
| 10) Methyl Iodide             | 4.297          | 142  | 357                | 2.70      | ug/l # | 38       |
| 16) Acetone                   | 4.156          | 43   | 762                | 1.41      | ug/l # | 44       |
| 20) Methylene Chloride        | 4.962          | 84   | 872                | Below Cal | #      | 78       |
| 31) Cyclohexane               | 7.979          | 56   | 7098               | 1.15      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.979          | 75   | 26601              | 4.54      | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.985          | 117  | 32916              | 5.98      | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.338         | 43   | 2852               | 1.53      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.632         | 75   | 128592             | 53.99     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632         | 75   | 128592             | 125.99    | ug/l # | 14       |
| -----                         |                |      |                    |           |        |          |

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

Quant Time: Mar 02 23:57:40 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 2021  
Response via : Initial Calibration

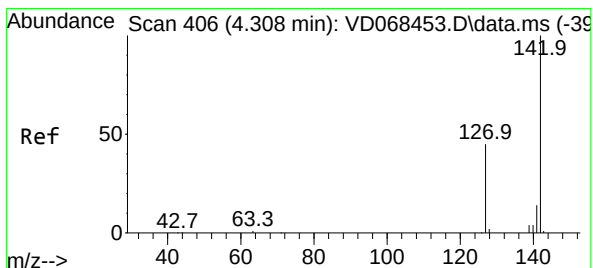
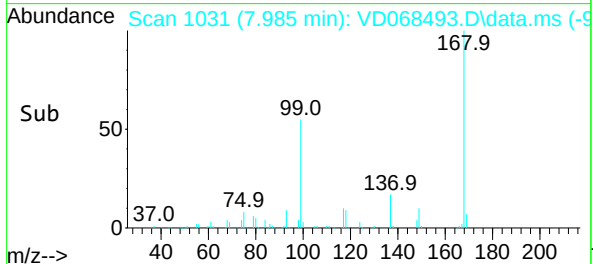
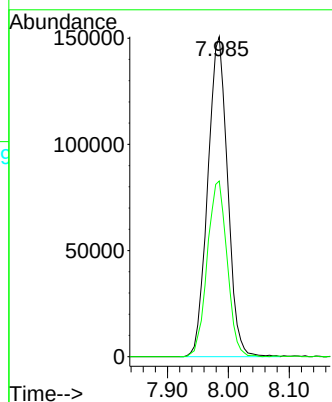
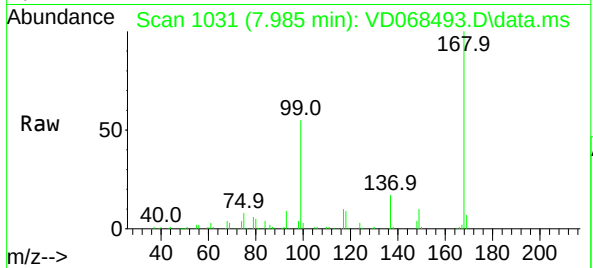




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

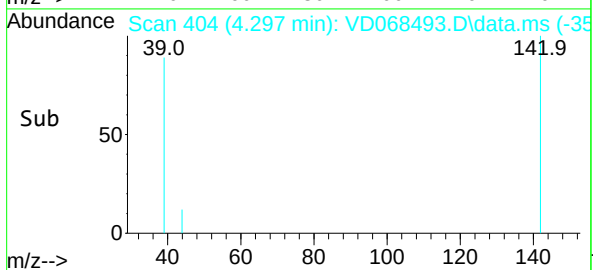
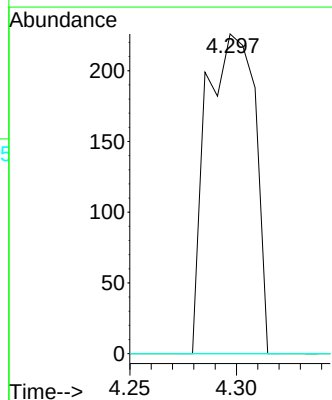
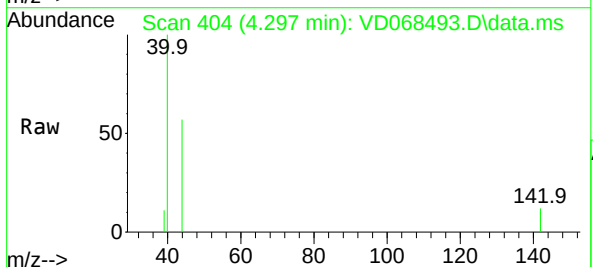
Instrument :  
MSVOA\_D  
ClientSampleId :

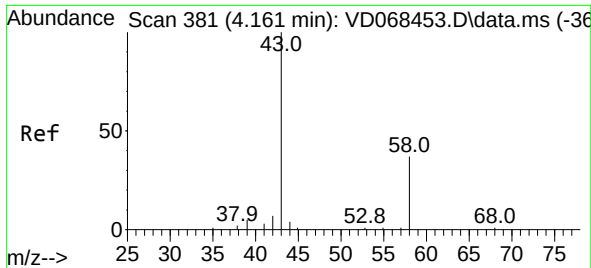
Tgt Ion:168 Resp: 340719  
Ion Ratio Lower Upper  
168 100  
99 54.9 43.5 65.3



#10  
Methyl Iodide  
Concen: 2.70 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.011 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

Tgt Ion:142 Resp: 357  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.9 56.9#  
141 0.0 11.5 17.3#

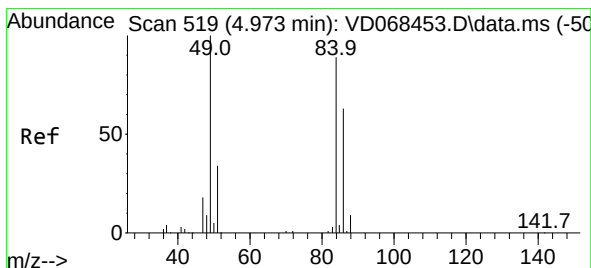
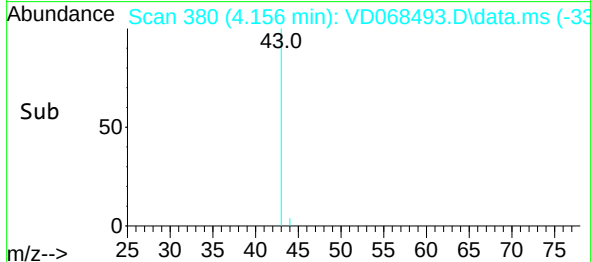
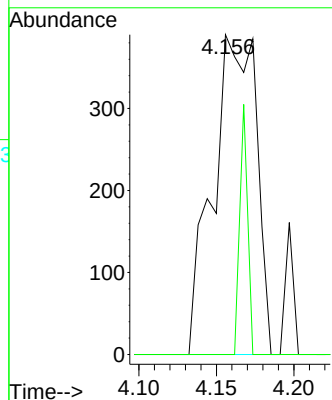
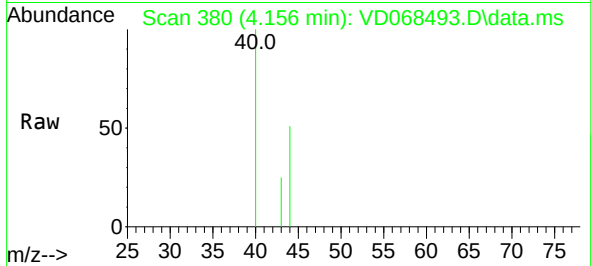




#16  
Acetone  
Concen: 1.41 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.005 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

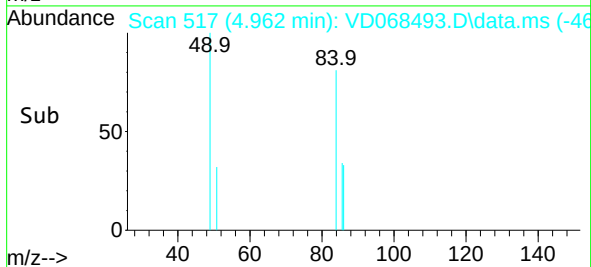
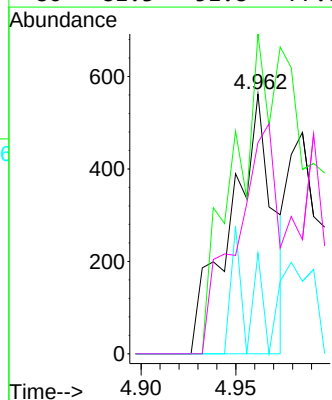
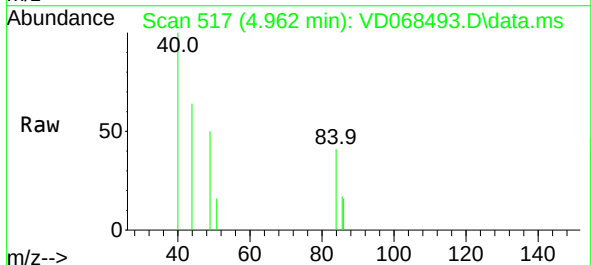
Instrument :  
MSVOA\_D  
ClientSampled :

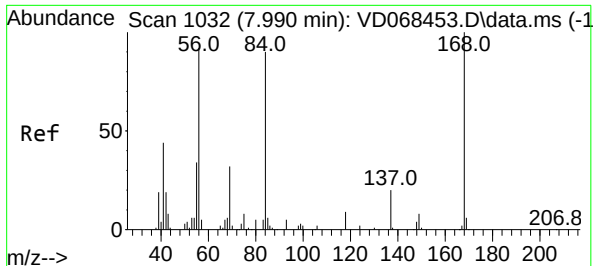
Tgt Ion: 43 Resp: 762  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.2 36.4#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.962 min Scan# 517  
Delta R.T. -0.011 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

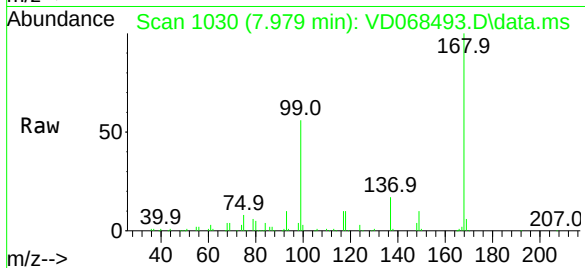
Tgt Ion: 84 Resp: 872  
Ion Ratio Lower Upper  
84 100  
49 123.1 77.4 116.2#  
51 38.8 26.1 39.1  
86 81.3 51.8 77.8#



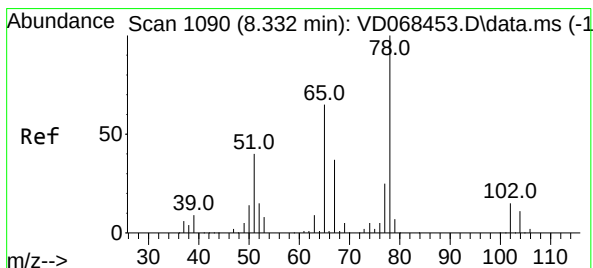
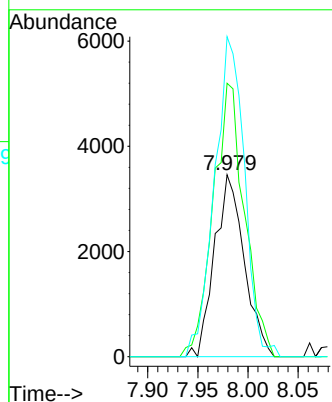
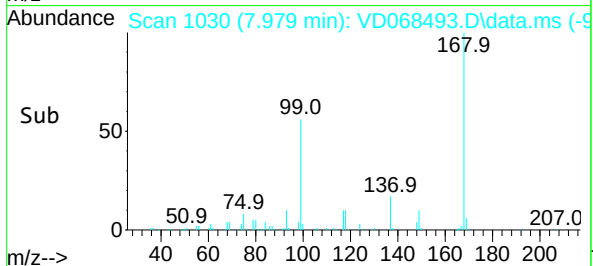


#31  
Cyclohexane  
Concen: 1.15 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.011 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

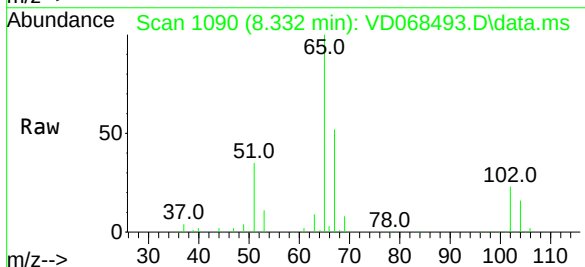
Instrument :  
MSVOA\_D  
ClientSampled :



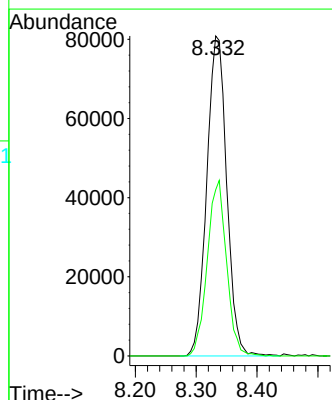
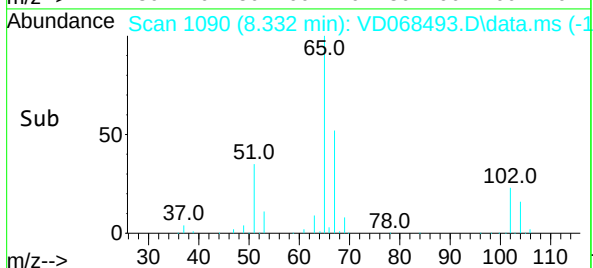
Tgt Ion: 56 Resp: 7098  
Ion Ratio Lower Upper  
56 100  
69 150.3 30.1 45.1#  
84 175.9 82.1 123.1#

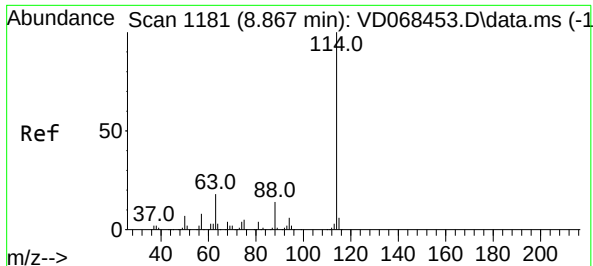


#33  
1,2-Dichloroethane-d4  
Concen: 53.98 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49



Tgt Ion: 65 Resp: 183765  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.0



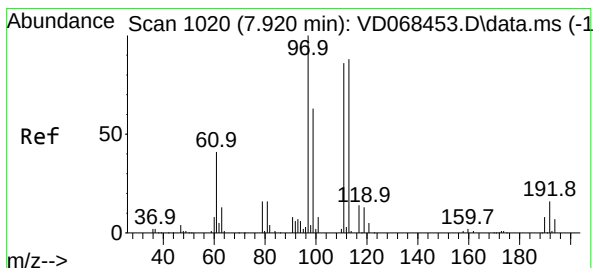
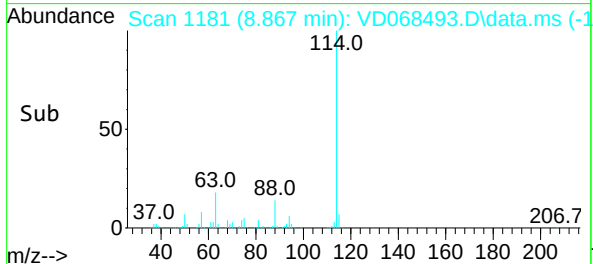
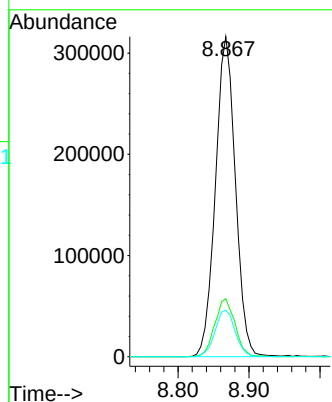
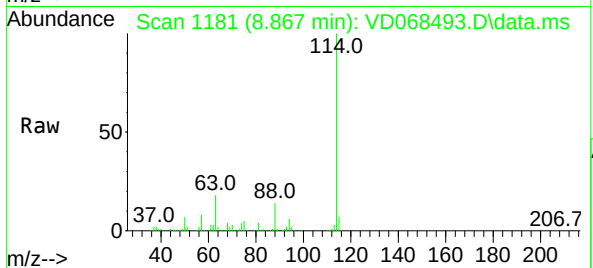


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

Instrument :  
MSVOA\_D  
ClientSampled :

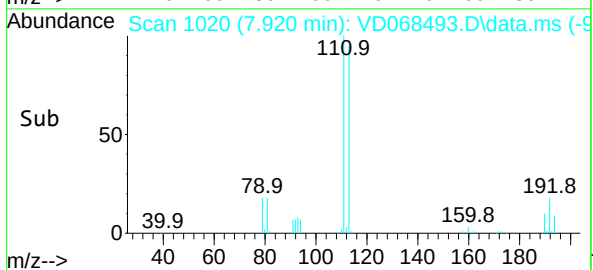
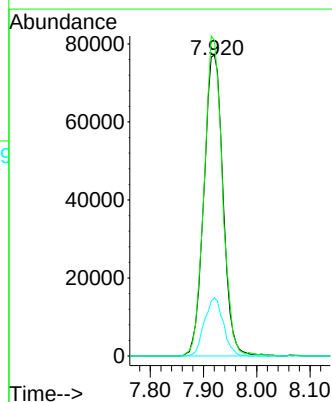
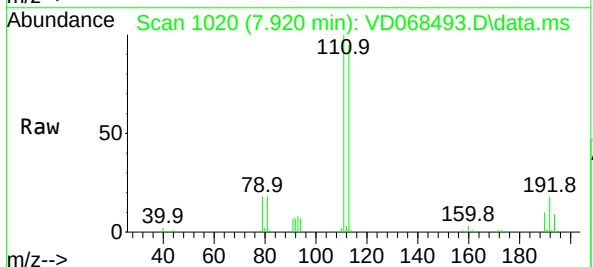
Tgt Ion:114 Resp: 615773  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 34.8  
88 14.5 0.0 31.6

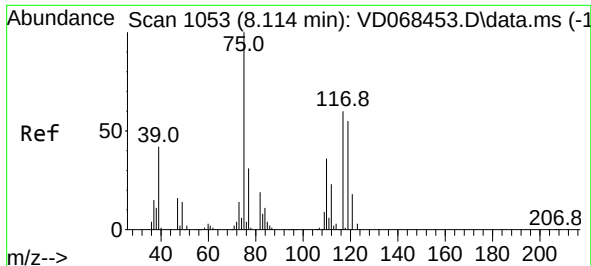


#35

Dibromofluoromethane  
Concen: 51.90 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

Tgt Ion:113 Resp: 192516  
Ion Ratio Lower Upper  
113 100  
111 101.2 81.4 122.0  
192 19.2 16.1 24.1

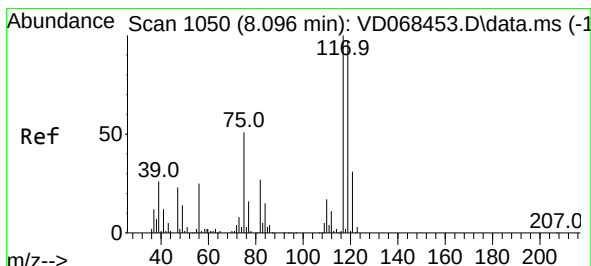
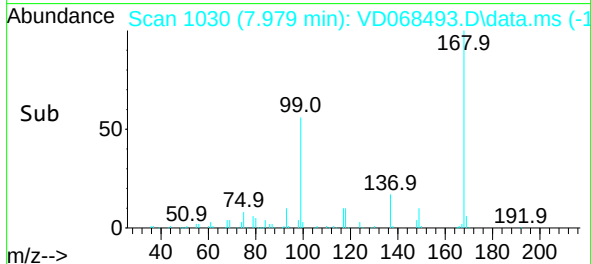
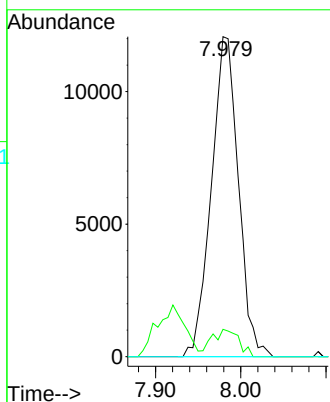
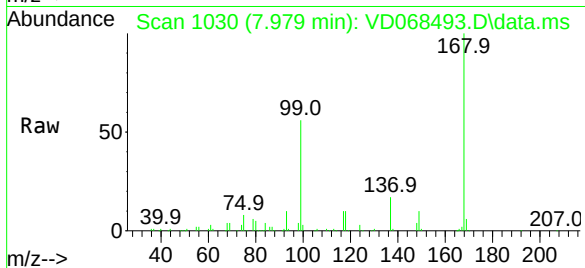




#36  
1,1-Dichloropropene  
Concen: 4.54 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.135 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

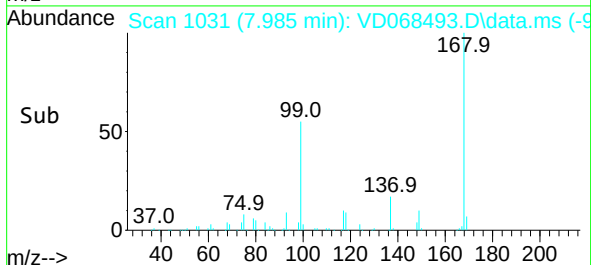
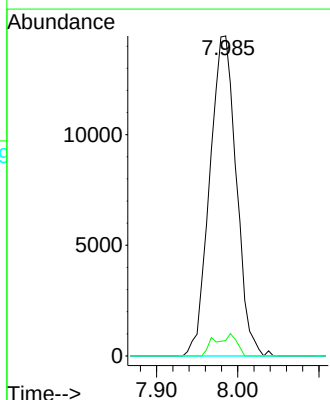
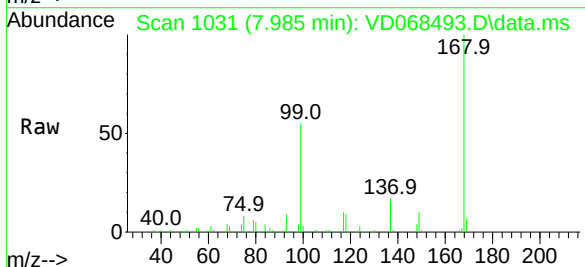
Instrument :  
MSVOA\_D  
ClientSampled :

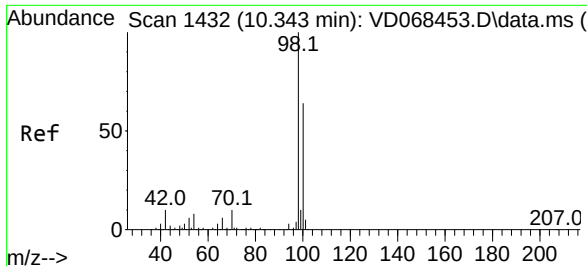
Tgt Ion: 75 Resp: 26601  
Ion Ratio Lower Upper  
75 100  
110 8.7 19.4 58.2#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.98 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.111 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

Tgt Ion: 117 Resp: 32916  
Ion Ratio Lower Upper  
117 100  
119 4.8 77.3 115.9#  
121 0.0 24.7 37.1#

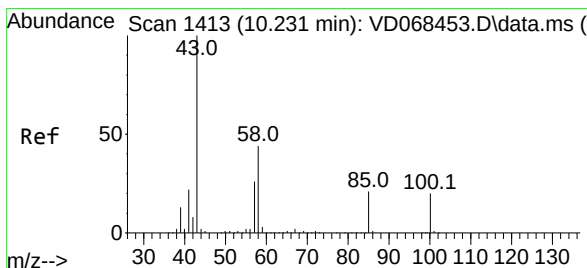
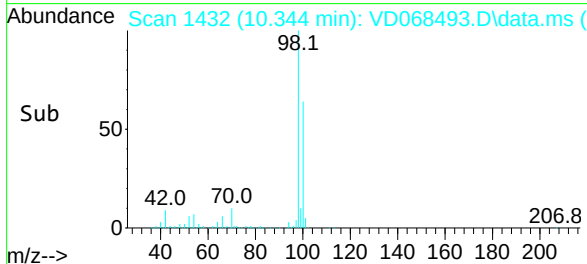
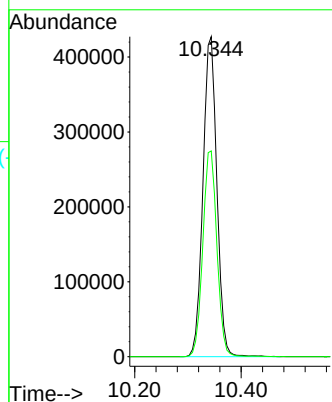
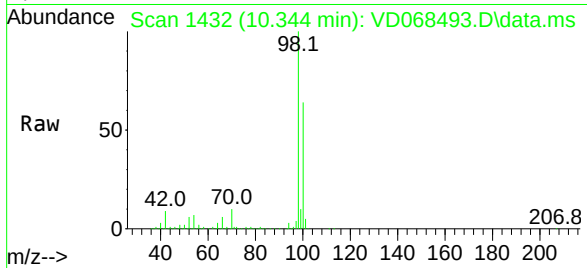




#50  
Toluene-d8  
Concen: 52.34 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

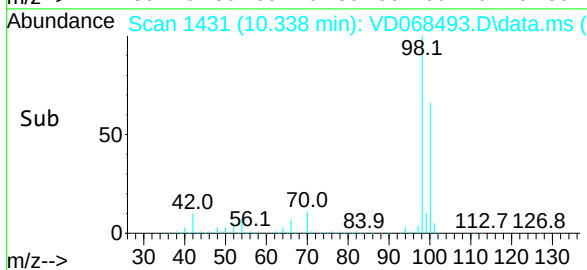
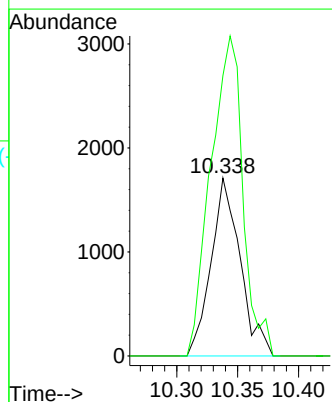
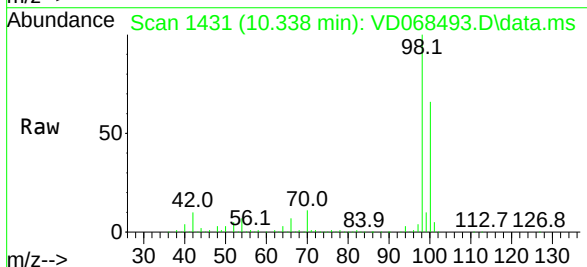
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 98 Resp: 773263  
Ion Ratio Lower Upper  
98 100  
100 65.1 53.0 79.4

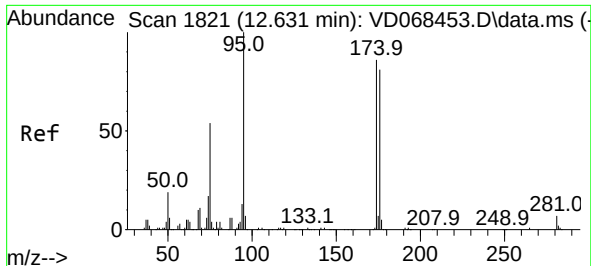


#51  
4-Methyl-2-Pentanone  
Concen: 1.53 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.106 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

Tgt Ion: 43 Resp: 2852  
Ion Ratio Lower Upper  
43 100  
58 198.8 36.1 54.1#



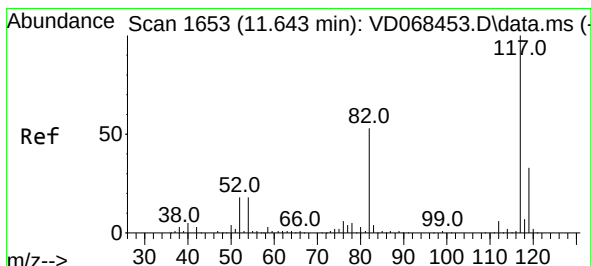
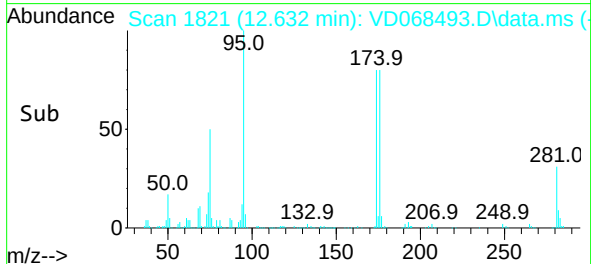
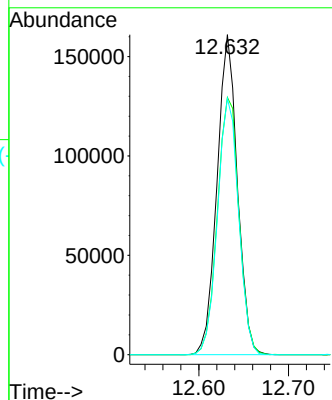
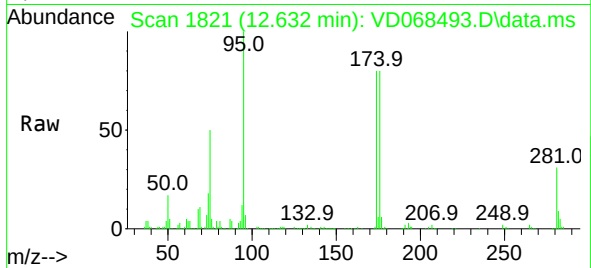




#62  
4-Bromofluorobenzene  
Concen: 53.34 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

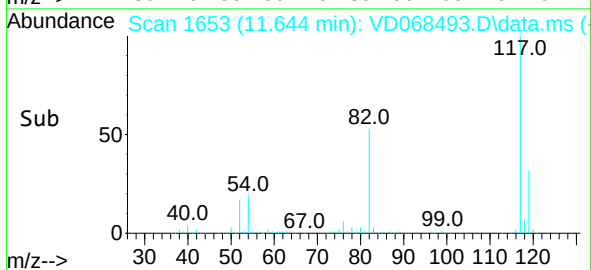
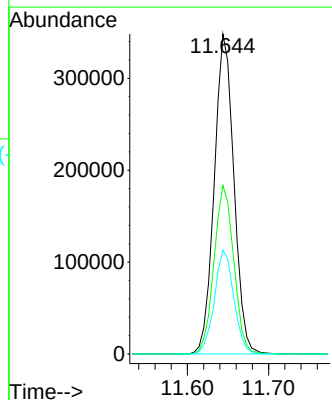
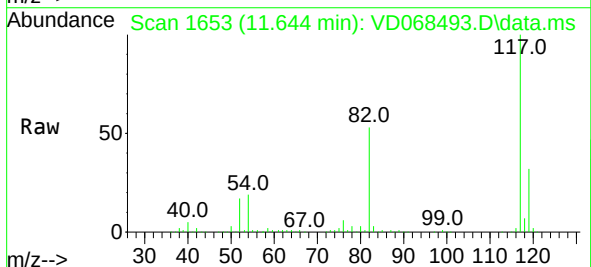
Instrument :  
MSVOA\_D  
ClientSampled :

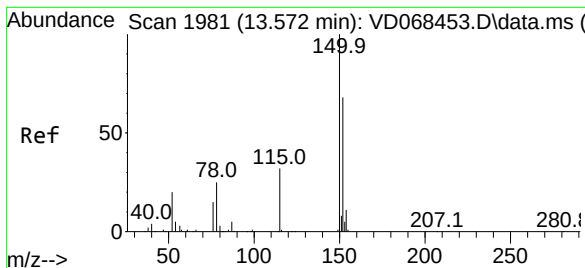
Tgt Ion: 95 Resp: 253986  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 172.4  
176 82.8 0.0 168.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

Tgt Ion: 117 Resp: 585758  
Ion Ratio Lower Upper  
117 100  
82 52.7 41.4 62.0  
119 32.4 26.1 39.1

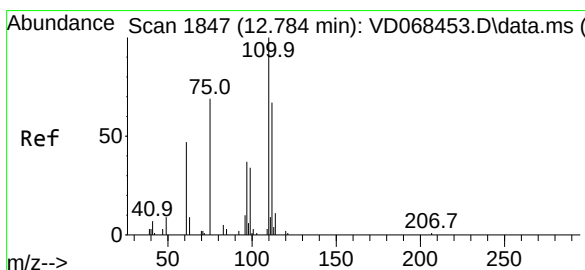
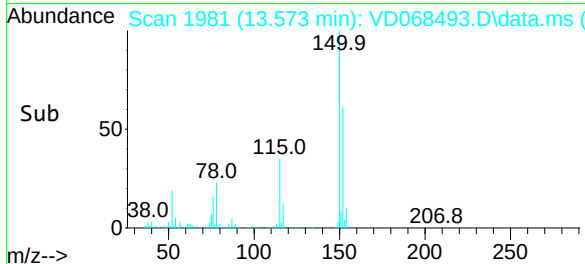
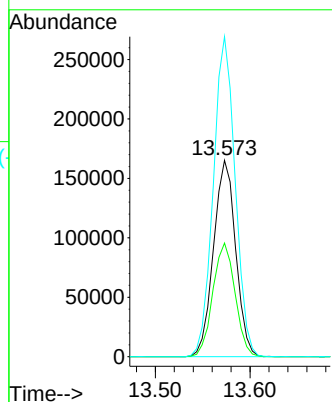
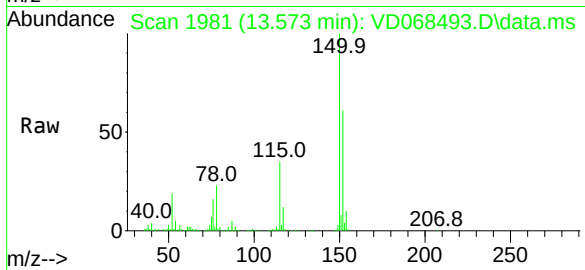




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

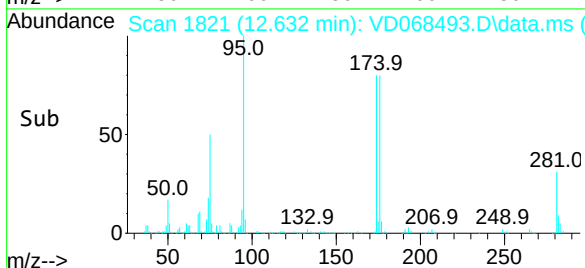
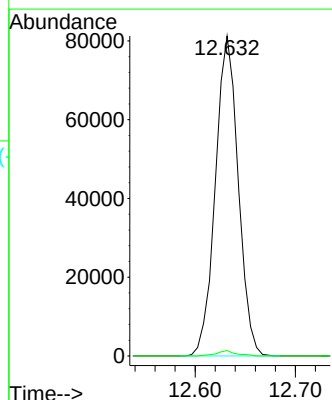
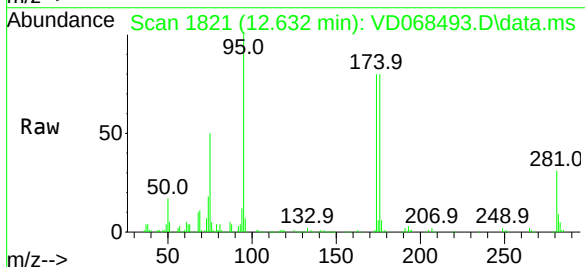
Instrument :  
MSVOA\_D  
ClientSampled :

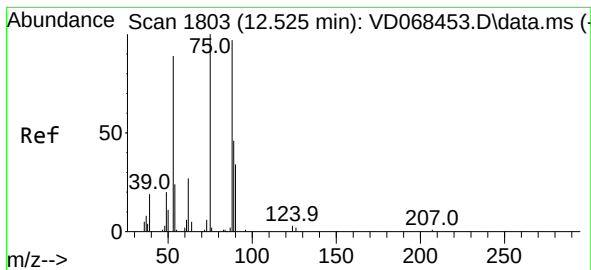
Tgt Ion:152 Resp: 268304  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.9 86.8  
150 160.8 0.0 344.4



#76  
1,2,3-Trichloropropane  
Concen: 53.99 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.152 min  
Lab File: VD068493.D  
Acq: 02 Mar 2021 13:49

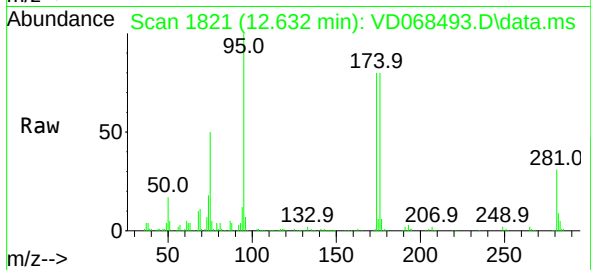
Tgt Ion: 75 Resp: 128592  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 125.99 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068493.D  
 Acq: 02 Mar 2021 13:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 128592  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.2 105.2#  
 89 0.3 40.3 60.5#

