

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041521\  
 Data File : VD068855.D  
 Acq On : 15 Apr 2021 14:46  
 Operator : VA/SY  
 Sample : M2042-04  
 Misc : 5.19G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 16 01:08:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 08 03:50:31 2021  
 Response via : Initial Calibration

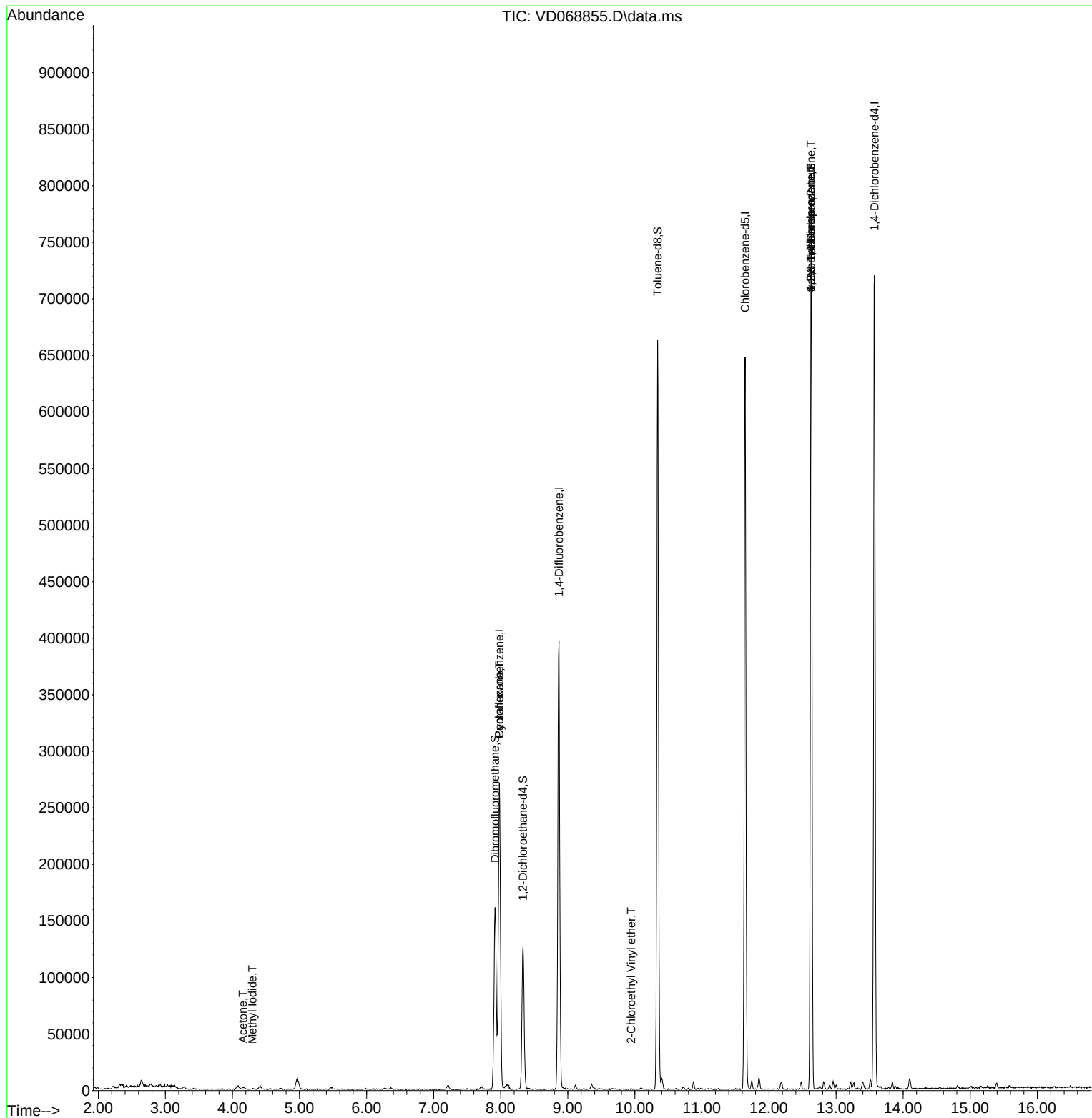
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 198317     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867          | 114  | 362791     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644         | 117  | 392813     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573         | 152  | 199202     | 50.00     | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 99412      | 47.43     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 94.86%    |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 115396     | 48.90     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 97.80%    |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 456339     | 51.26     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 102.52%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 182986     | 61.89     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 123.78%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 10) Methyl Iodide             | 4.297          | 142  | 887        | 2.60      | ug/l # | 59       |
| 16) Acetone                   | 4.156          | 43   | 3083       | 10.62     | ug/l # | 87       |
| 20) Methylene Chloride        | 4.967          | 84   | 8501       | Below Cal | #      | 90       |
| 31) Cyclohexane               | 7.979          | 56   | 5586       | 1.60      | ug/l # | 12       |
| 58) 2-Chloroethyl Vinyl ether | 9.944          | 63   | 323        | 17.26     | ug/l # | 44       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 91730      | 50.41     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 91730      | 116.98    | ug/l # | 16       |
| -----                         |                |      |            |           |        |          |

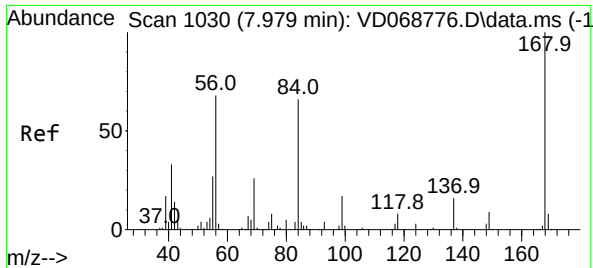
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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ClientSampleId :

Quant Time: Apr 16 01:08:38 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D040721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 08 03:50:31 2021  
Response via : Initial Calibration

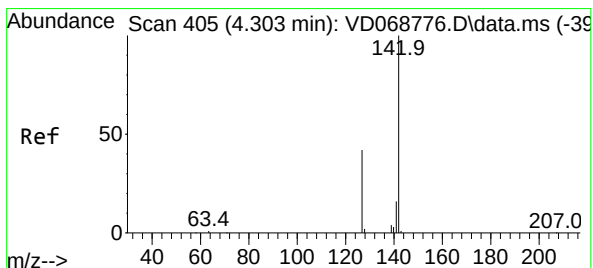
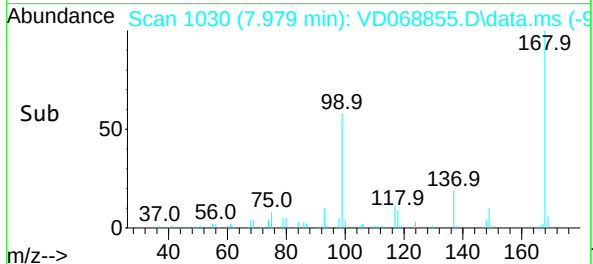
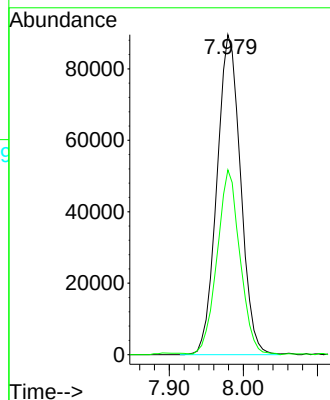
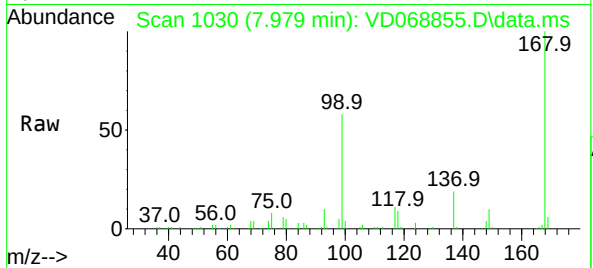




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

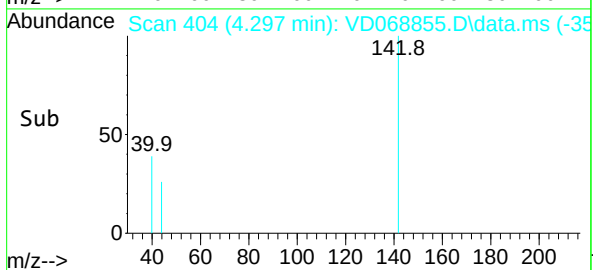
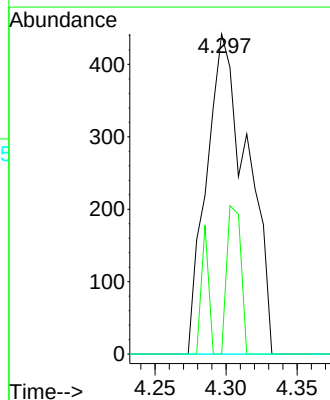
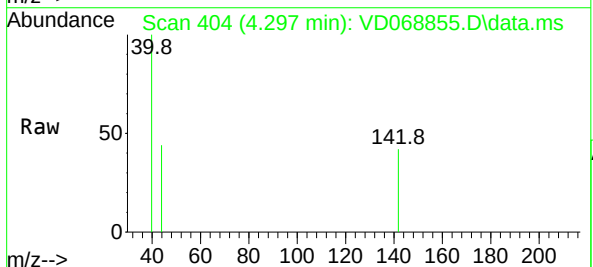
Instrument :  
MSVOA\_D  
ClientSampled :

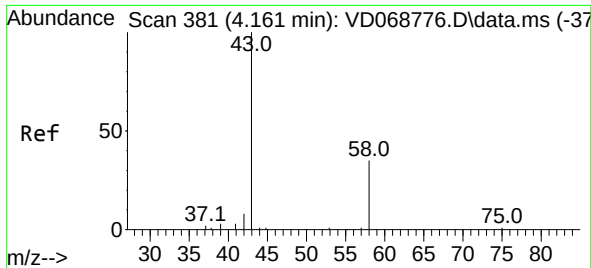
Tgt Ion:168 Resp: 198317  
Ion Ratio Lower Upper  
168 100  
99 57.8 46.2 69.2



#10  
Methyl Iodide  
Concen: 2.60 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.006 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

Tgt Ion:142 Resp: 887  
Ion Ratio Lower Upper  
142 100  
127 15.8 34.7 52.1#  
141 0.0 11.0 16.4#

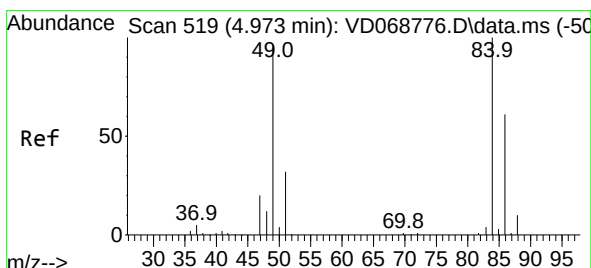
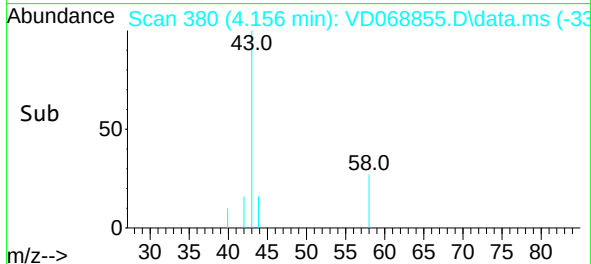
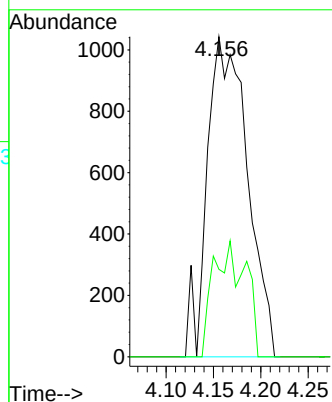
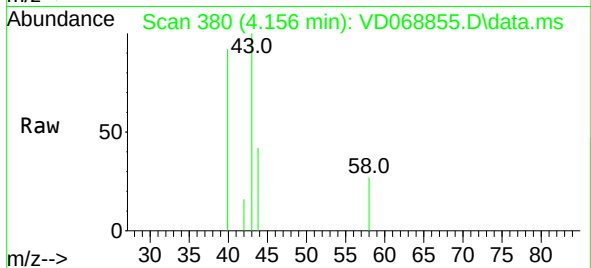




#16  
Acetone  
Concen: 10.62 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.005 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

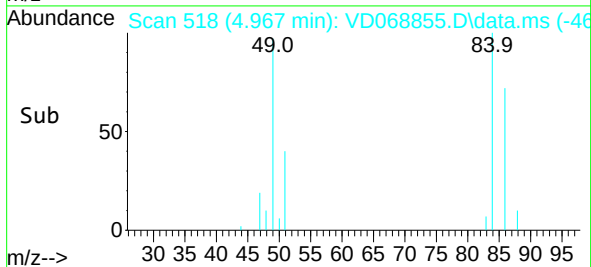
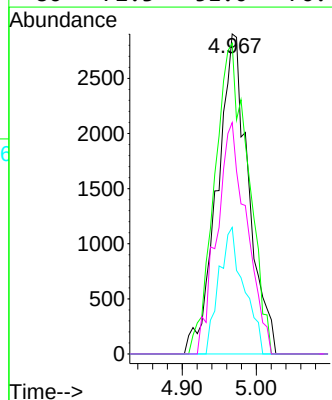
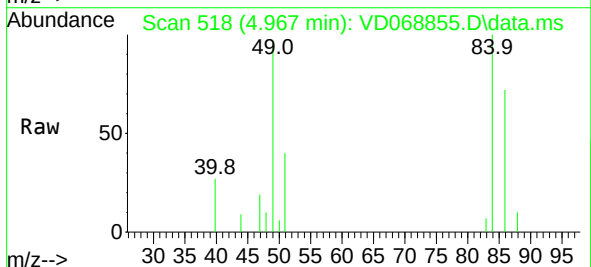
Instrument :  
MSVOA\_D  
ClientSampleId :

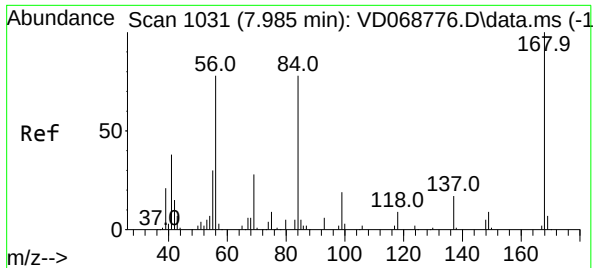
Tgt Ion: 43 Resp: 3083  
Ion Ratio Lower Upper  
43 100  
58 27.3 28.0 42.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

Tgt Ion: 84 Resp: 8501  
Ion Ratio Lower Upper  
84 100  
49 97.1 83.4 125.0  
51 39.5 23.4 35.2#  
86 72.3 51.0 76.4

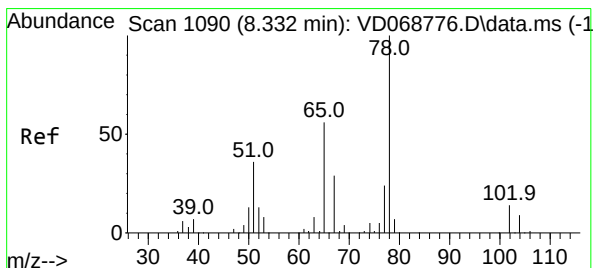
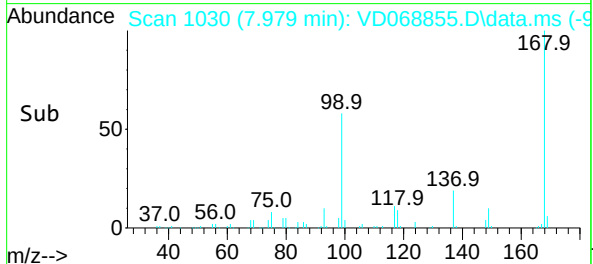
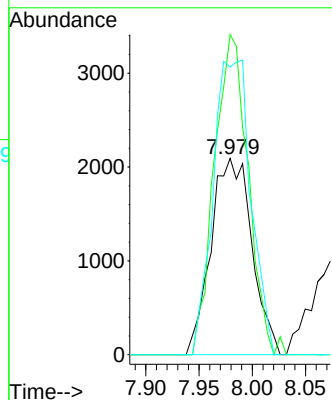
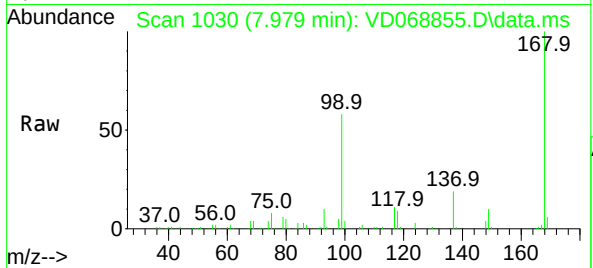




#31  
Cyclohexane  
Concen: 1.60 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

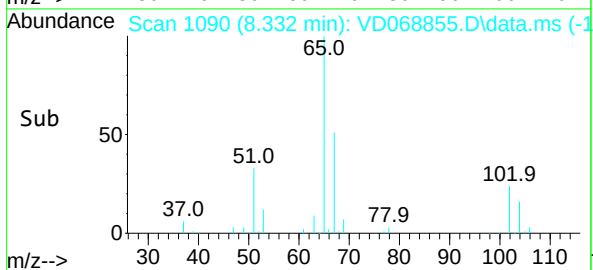
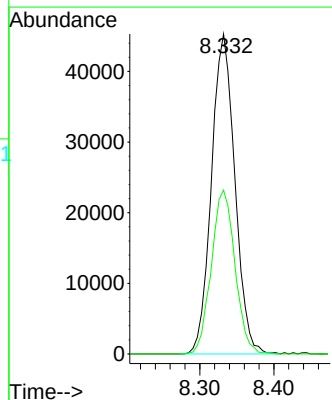
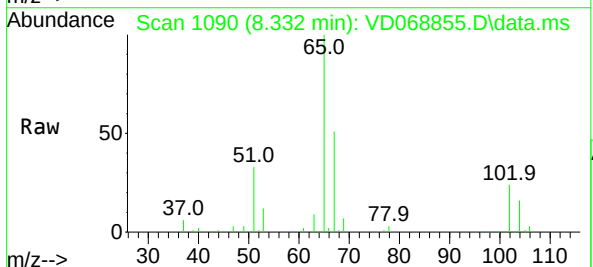
Instrument :  
MSVOA\_D  
ClientSampleId :

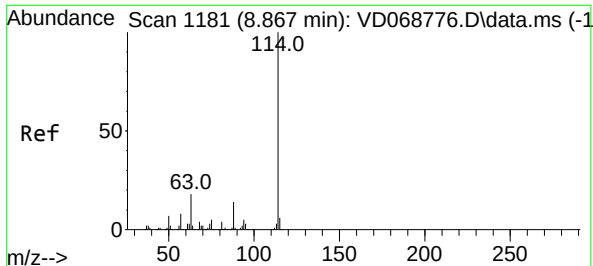
Tgt Ion: 56 Resp: 5586  
Ion Ratio Lower Upper  
56 100  
69 163.0 30.0 45.0#  
84 146.6 82.0 123.0#



#33  
1,2-Dichloroethane-d4  
Concen: 47.43 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

Tgt Ion: 65 Resp: 99412  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 106.0



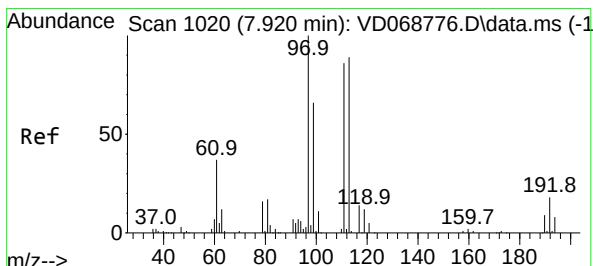
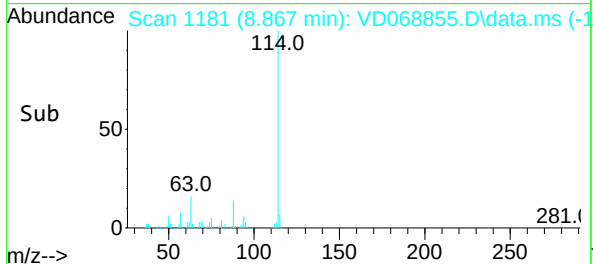
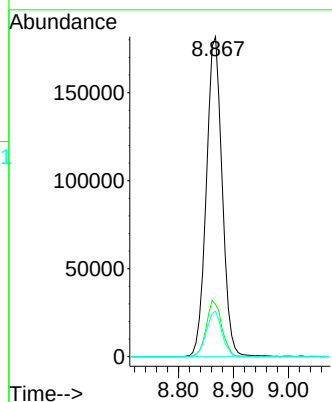
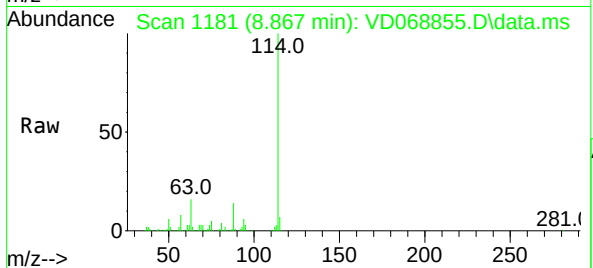


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

Instrument :  
MSVOA\_D  
ClientSampleId :

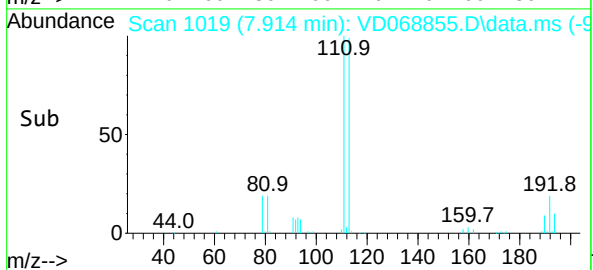
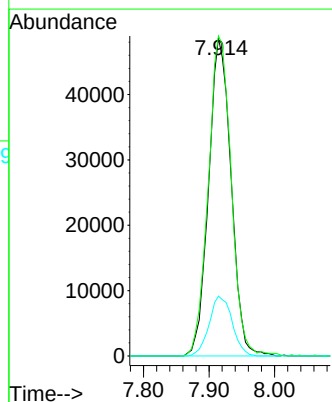
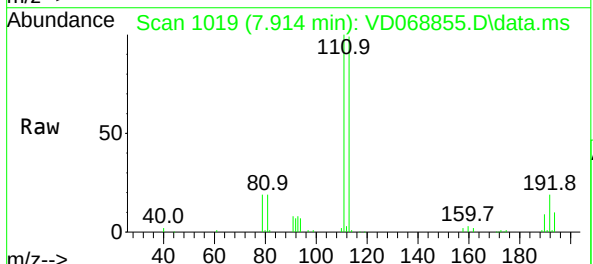
Tgt Ion:114 Resp: 362791  
Ion Ratio Lower Upper  
114 100  
63 16.3 0.0 38.2  
88 14.2 0.0 29.4

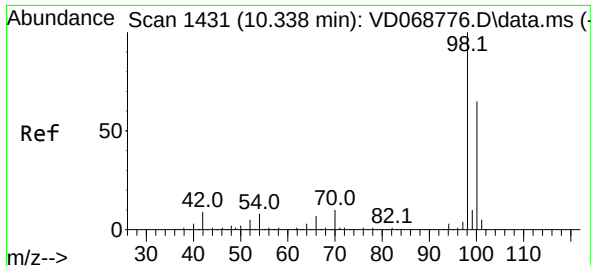


#35

Dibromofluoromethane  
Concen: 48.90 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

Tgt Ion:113 Resp: 115396  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.5 123.7  
192 19.3 15.1 22.7

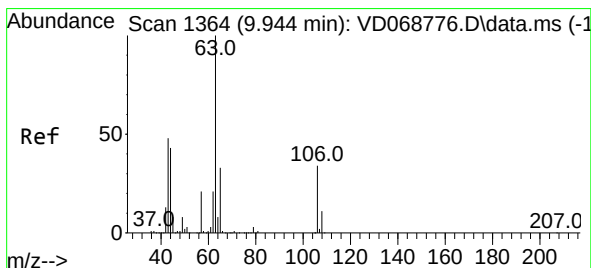
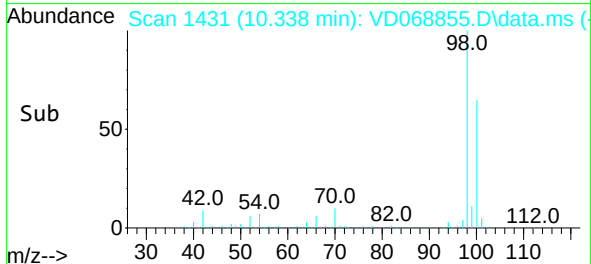
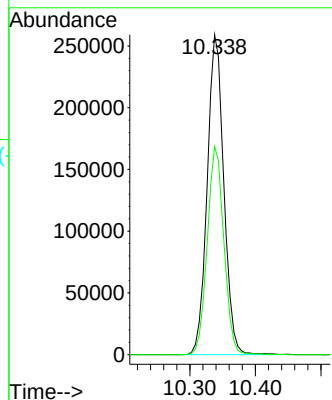
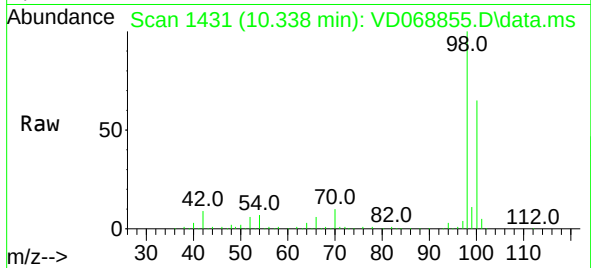




#50  
Toluene-d8  
Concen: 51.26 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

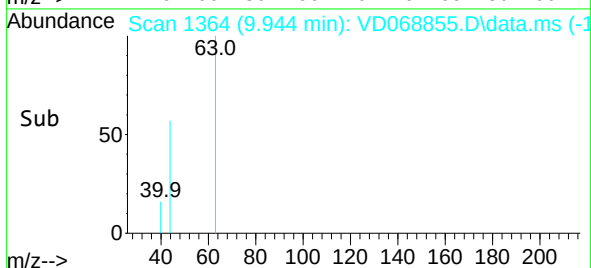
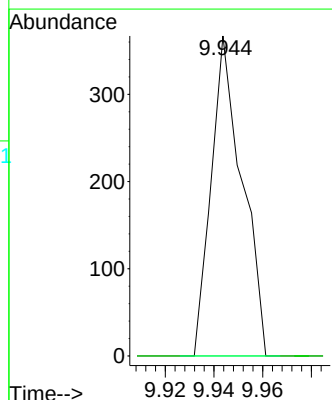
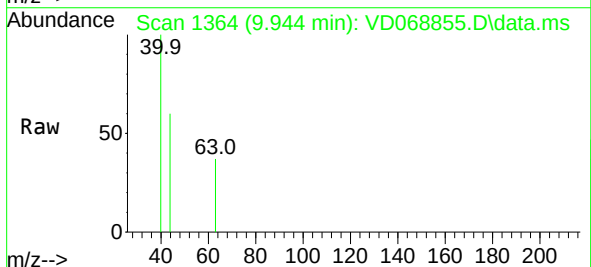
Instrument :  
MSVOA\_D  
ClientSampled :

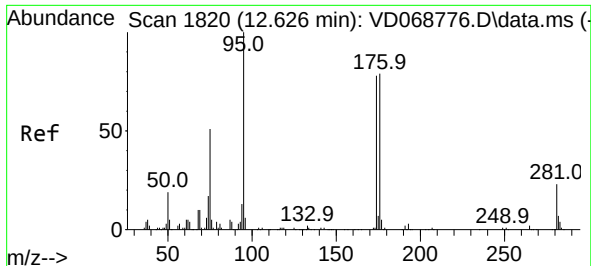
Tgt Ion: 98 Resp: 456339  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.8 77.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 17.26 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. -0.000 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

Tgt Ion: 63 Resp: 323  
Ion Ratio Lower Upper  
63 100  
106 0.0 24.6 36.8#

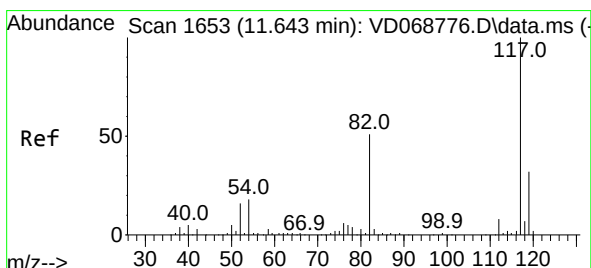
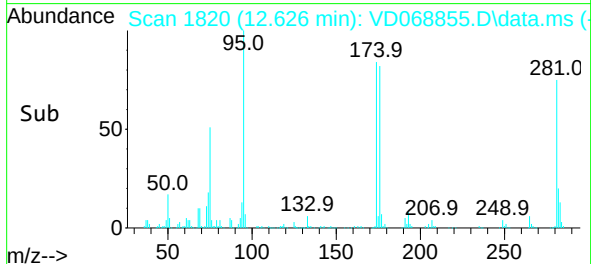
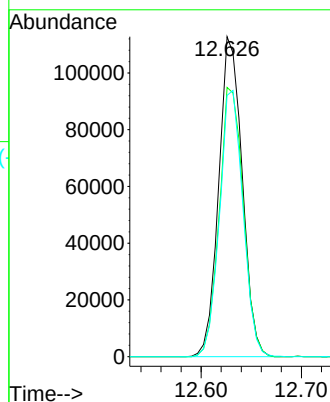
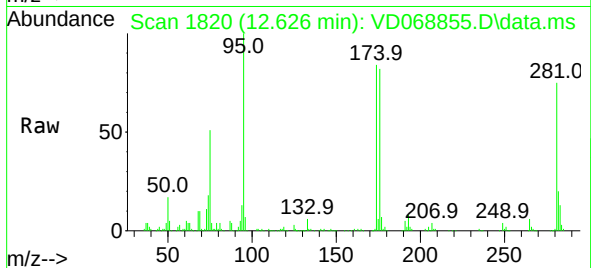




#62  
4-Bromofluorobenzene  
Concen: 61.89 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

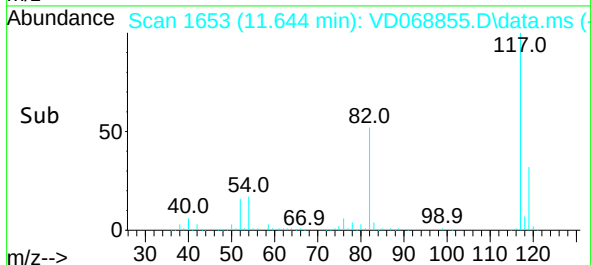
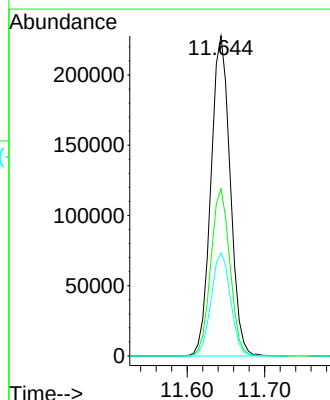
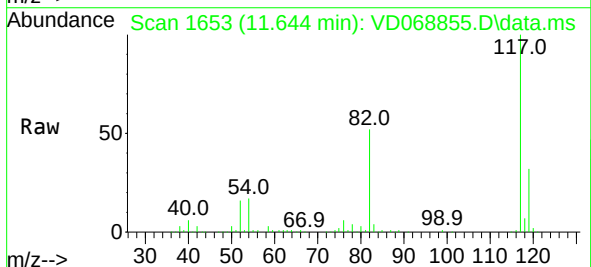
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 95 Resp: 182986  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 168.0  
176 83.3 0.0 160.2

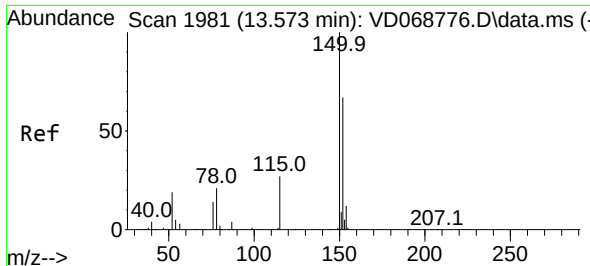


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068855.D  
Acq: 15 Apr 2021 14:46

Tgt Ion: 117 Resp: 392813  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.5 65.3  
119 32.2 26.7 40.1



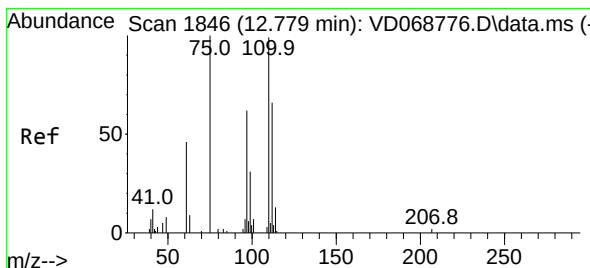
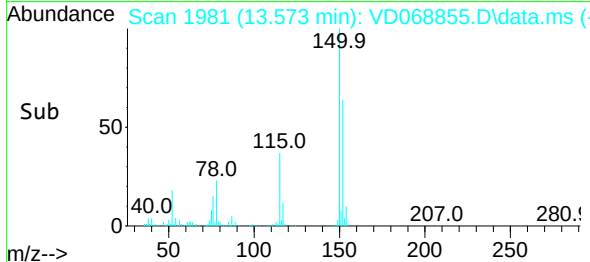
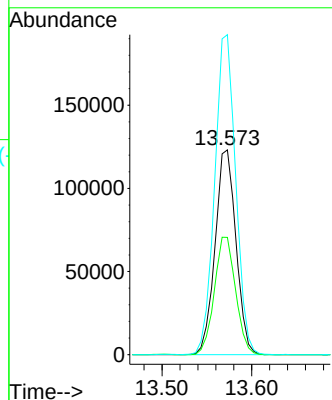
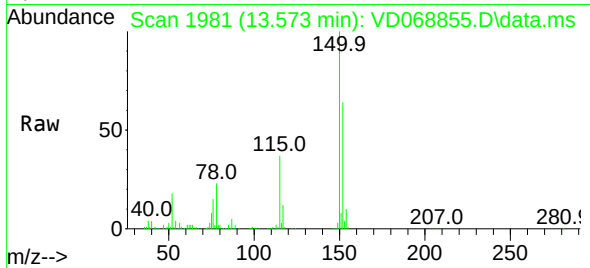




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.573 min Scan# 1981  
 Delta R.T. -0.000 min  
 Lab File: VD068855.D  
 Acq: 15 Apr 2021 14:46

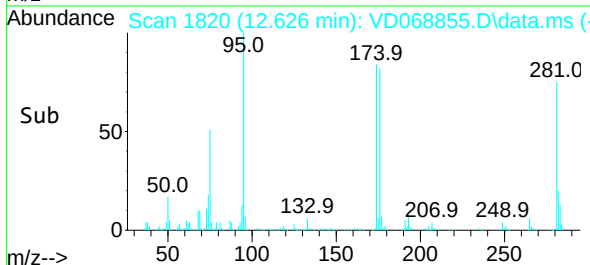
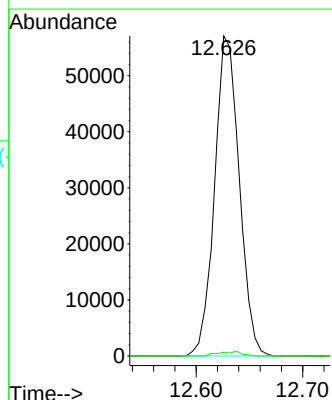
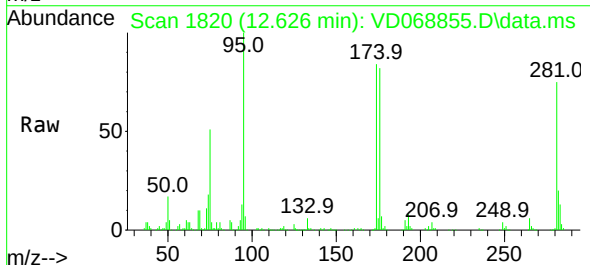
Instrument :  
 MSVOA\_D  
 ClientSampleId :

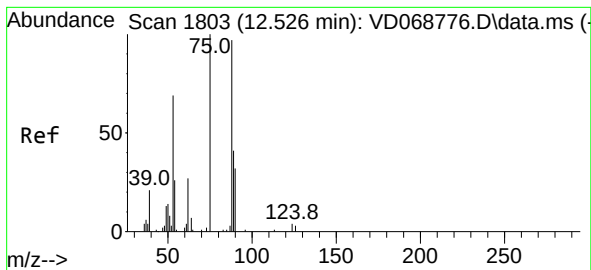
Tgt Ion:152 Resp: 199202  
 Ion Ratio Lower Upper  
 152 100  
 115 58.4 29.3 87.8  
 150 157.1 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 50.41 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. -0.153 min  
 Lab File: VD068855.D  
 Acq: 15 Apr 2021 14:46

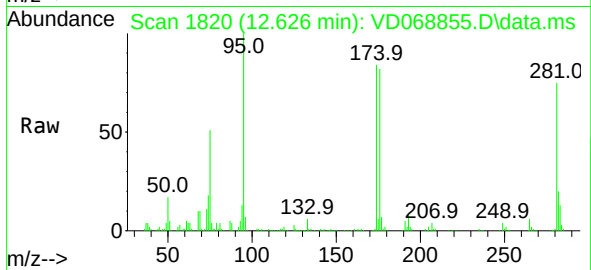
Tgt Ion: 75 Resp: 91730  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 116.98 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. 0.100 min  
 Lab File: VD068855.D  
 Acq: 15 Apr 2021 14:46

Instrument :  
 MSVOA\_D  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 91730  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 66.8  | 100.2# |
| 89       | 0.6   | 36.6  | 54.8#  |

