

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010521\  
 Data File : VD067999.D  
 Acq On : 05 Jan 2021 10:24  
 Operator : VA/SY  
 Sample : VD0105SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jan 06 00:14:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 23 07:34:16 2020  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 279585   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 568660   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.650 | 117  | 552318   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.579 | 152  | 244217   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 200522   | 66.42    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.84% |
| 35) Dibromofluoromethane    | 7.920  | 113   | 200247   | 55.89    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.78% |
| 50) Toluene-d8              | 10.344 | 98    | 738454   | 54.83    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.66% |
| 62) 4-Bromofluorobenzene    | 12.638 | 95    | 232097   | 50.38    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 100.76% |

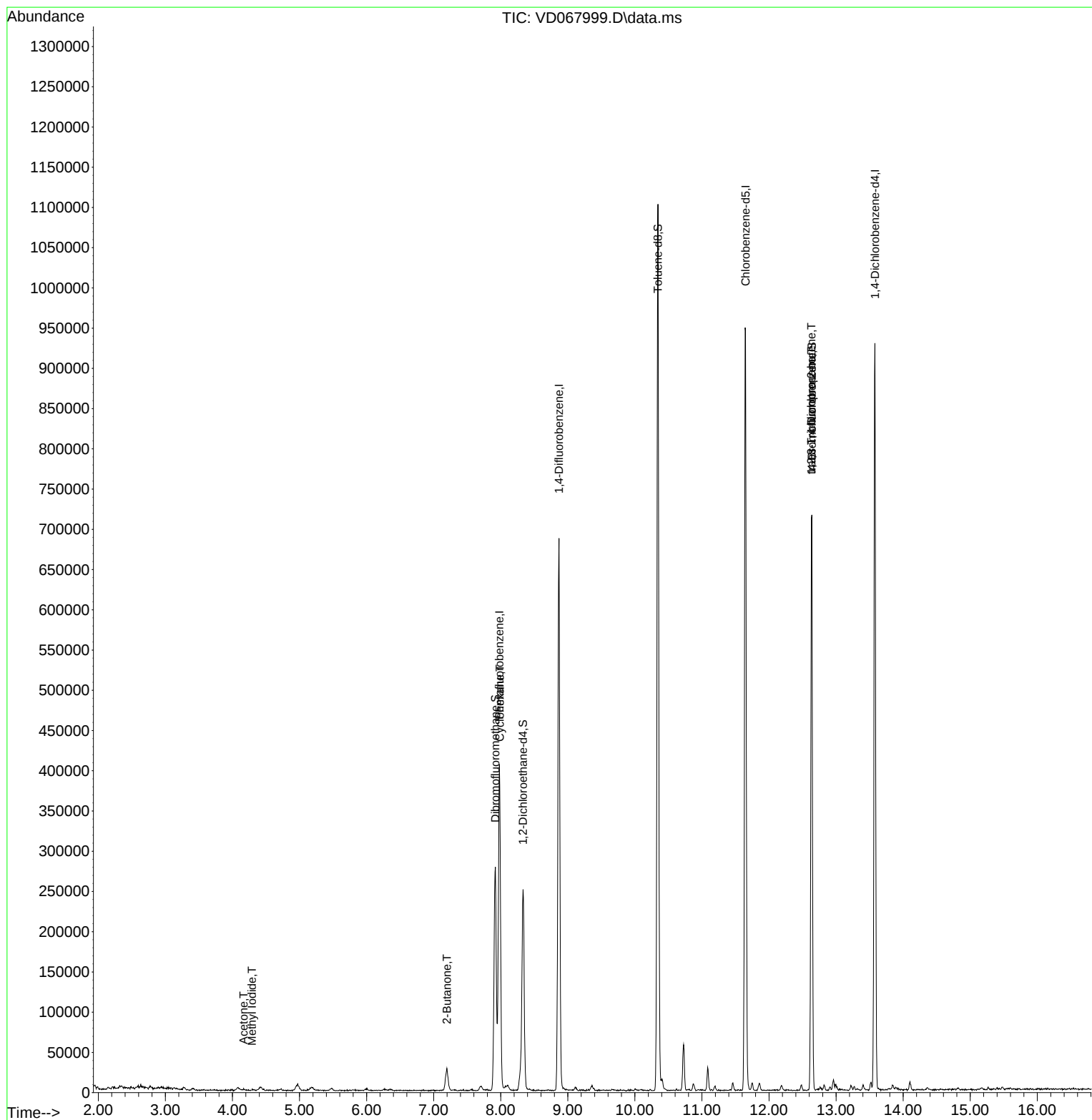
| Target Compounds              |        |     |        |             | Qvalue |
|-------------------------------|--------|-----|--------|-------------|--------|
| 5) Bromomethane               | 2.773  | 94  | 1622   | Below Cal   | # 78   |
| 10) Methyl Iodide             | 4.291  | 142 | 599    | 4.02 ug/l   | # 53   |
| 11) Tert butyl alcohol        | 5.179  | 59  | 3585   | Below Cal   | # 74   |
| 16) Acetone                   | 4.168  | 43  | 2577   | 4.47 ug/l   | # 89   |
| 20) Methylene Chloride        | 4.973  | 84  | 5985   | Below Cal   | # 85   |
| 25) 2-Butanone                | 7.197  | 43  | 1661   | 1.95 ug/l   | # 49   |
| 31) Cyclohexane               | 7.985  | 56  | 8660   | 1.40 ug/l   | # 10   |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75  | 123261 | 59.95 ug/l  | # 100  |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75  | 123261 | 122.88 ug/l | # 13   |

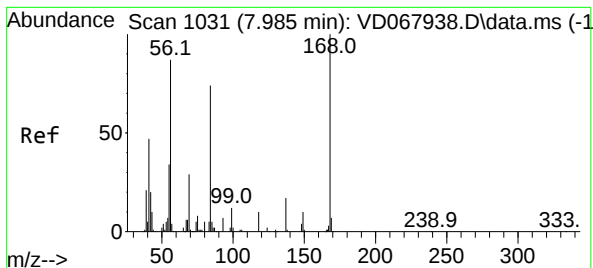
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010521\  
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Acq On : 05 Jan 2021 10:24  
Operator : VA/SY  
Sample : VD0105SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Jan 06 00:14:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 23 07:34:16 2020  
Response via : Initial Calibration

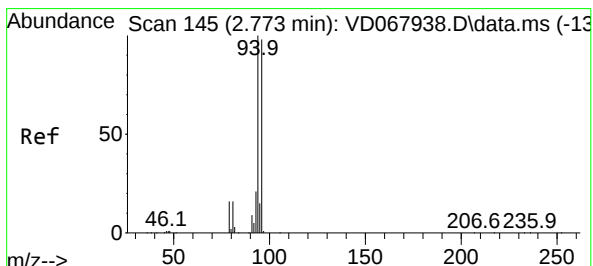
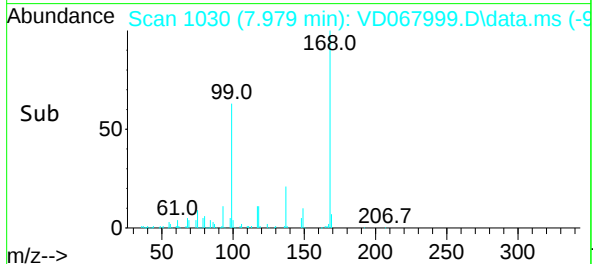
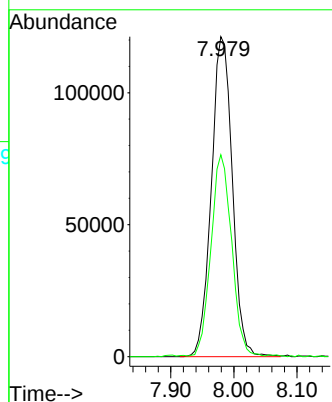
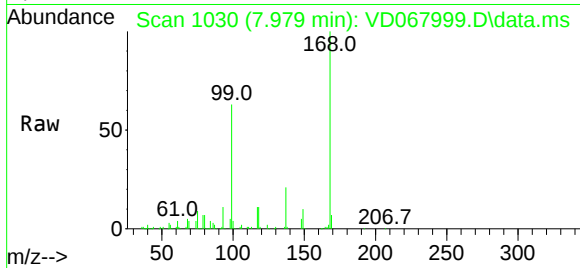




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

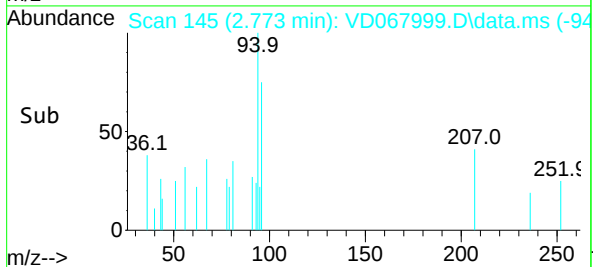
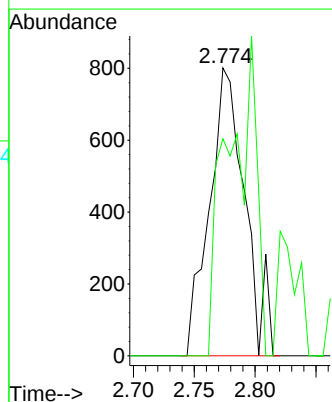
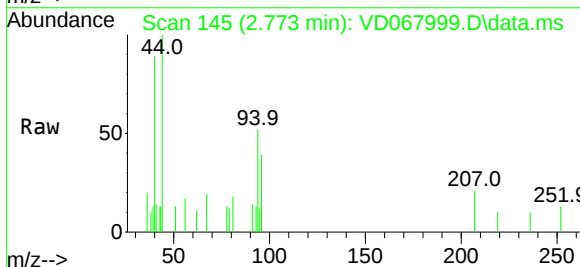
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:168 Resp: 279585  
Ion Ratio Lower Upper  
168 100  
99 62.8 48.0 72.0



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.773 min Scan# 145  
Delta R.T. 0.000 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

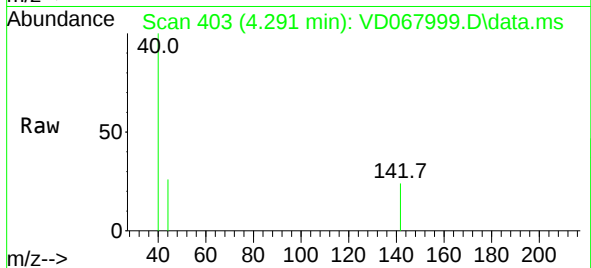
Tgt Ion: 94 Resp: 1622  
Ion Ratio Lower Upper  
94 100  
96 75.4 78.0 117.0#



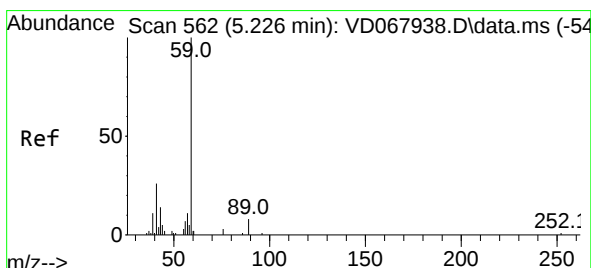
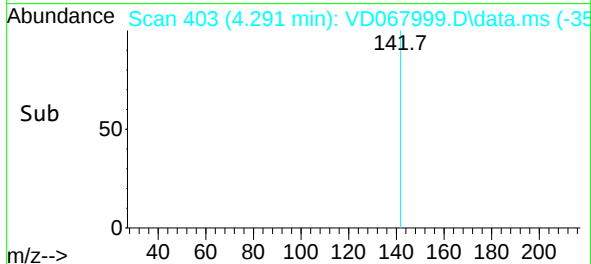
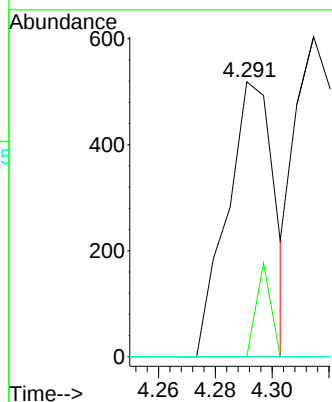


#10  
Methyl Iodide  
Concen: 4.02 ug/l  
RT: 4.291 min Scan# 403  
Delta R.T. -0.012 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

Instrument :  
MSVOA\_D  
ClientSampled :

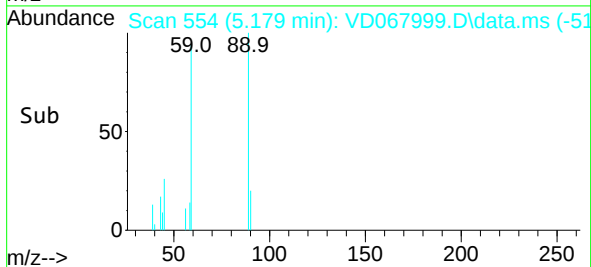
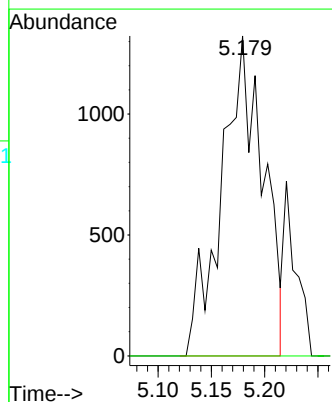
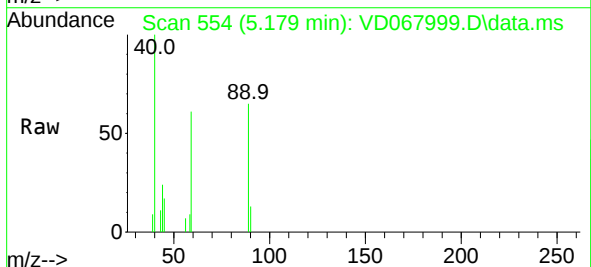


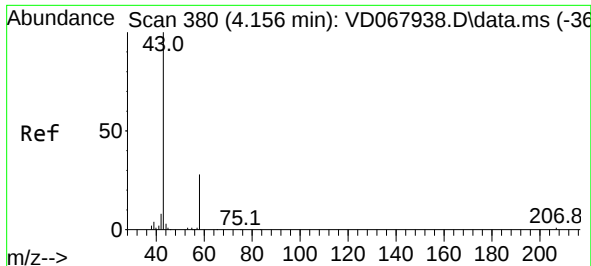
Tgt Ion:142 Resp: 599  
Ion Ratio Lower Upper  
142 100  
127 10.4 34.4 51.6#  
141 0.0 11.8 17.8#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.179 min Scan# 554  
Delta R.T. -0.047 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

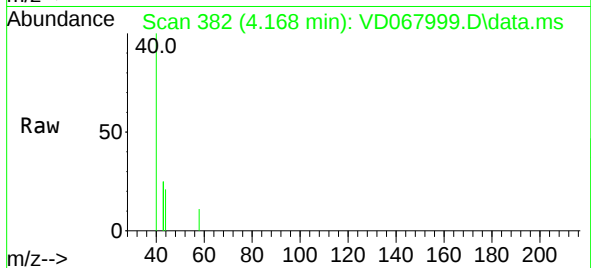
Tgt Ion: 59 Resp: 3585  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



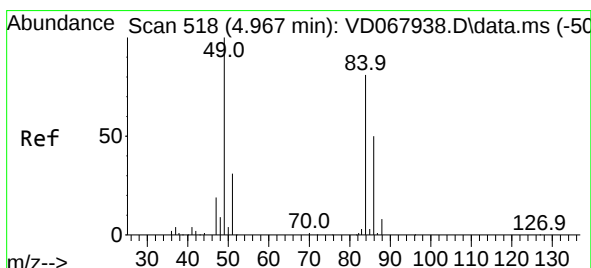
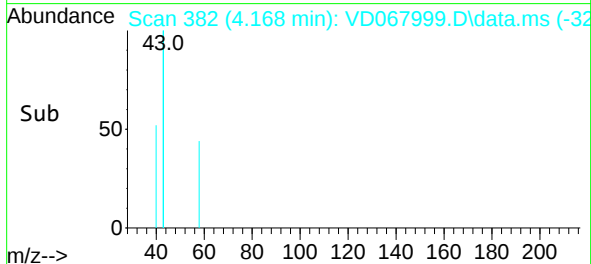
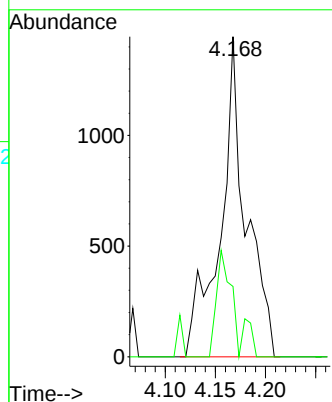


#16  
Acetone  
Concen: 4.47 ug/l  
RT: 4.168 min Scan# 382  
Delta R.T. 0.012 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

Instrument :  
MSVOA\_D  
ClientSampled :

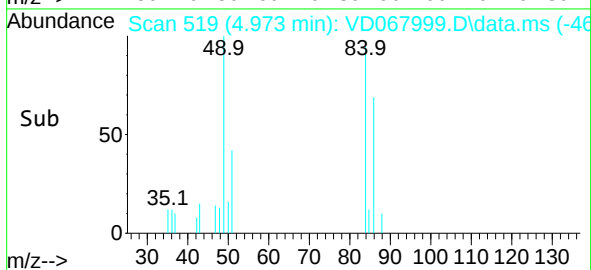
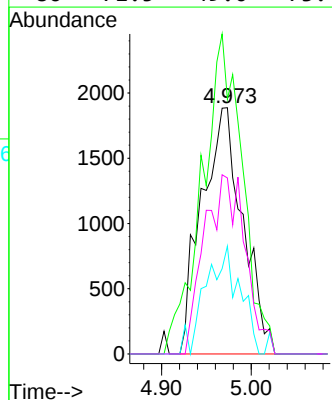
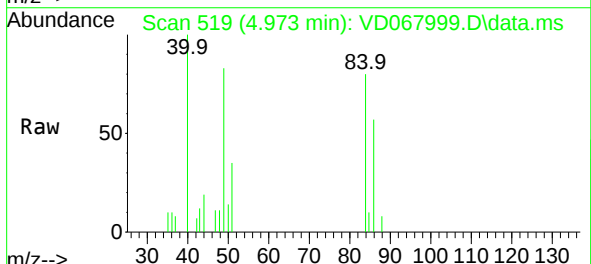


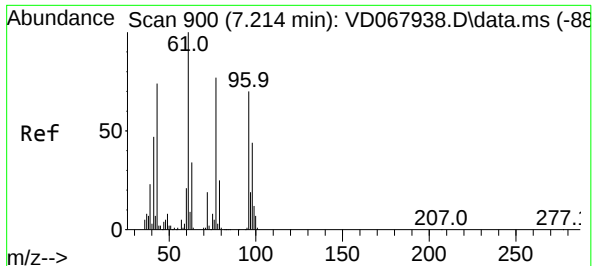
Tgt Ion: 43 Resp: 2577  
Ion Ratio Lower Upper  
43 100  
58 22.0 22.3 33.5#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.973 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

Tgt Ion: 84 Resp: 5985  
Ion Ratio Lower Upper  
84 100  
49 103.4 98.3 147.5  
51 43.8 30.3 45.5  
86 71.5 49.0 73.4

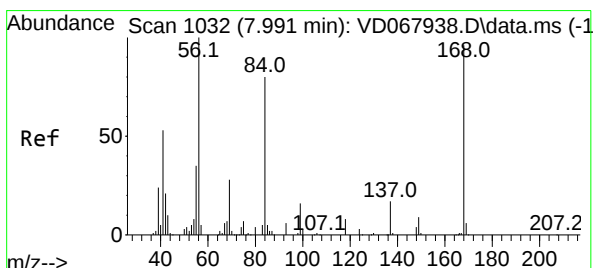
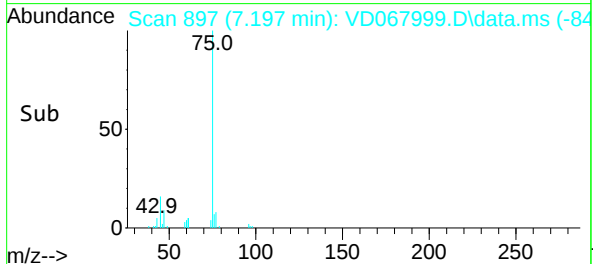
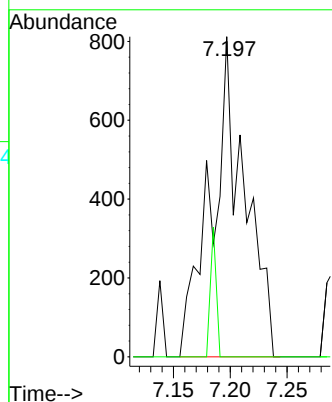
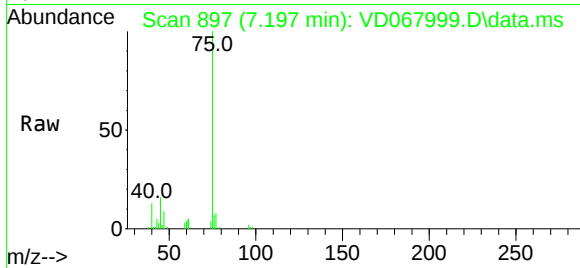




#25  
2-Butanone  
Concen: 1.95 ug/l  
RT: 7.197 min Scan# 897  
Delta R.T. -0.017 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

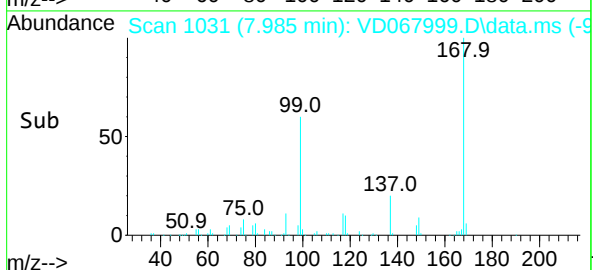
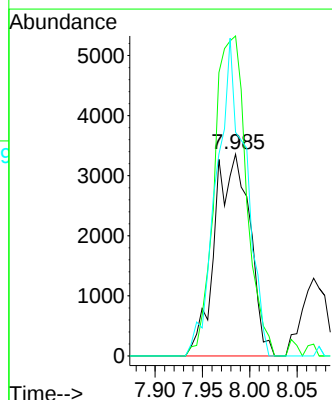
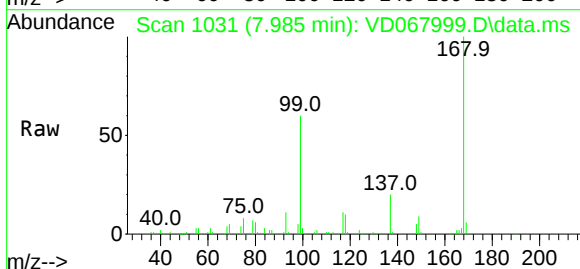
Instrument :  
MSVOA\_D  
ClientSampleId :

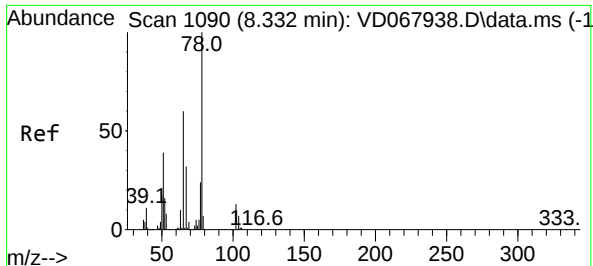
Tgt Ion: 43 Resp: 1661  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.8 31.2#



#31  
Cyclohexane  
Concen: 1.40 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

Tgt Ion: 56 Resp: 8660  
Ion Ratio Lower Upper  
56 100  
69 158.7 22.7 34.1#  
84 110.9 64.2 96.4#

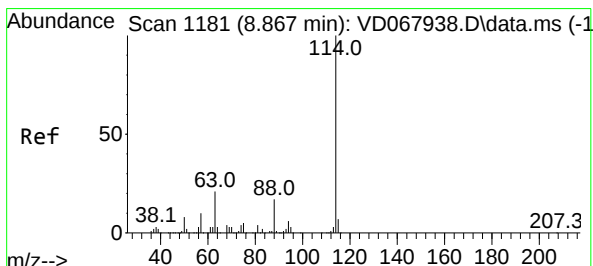
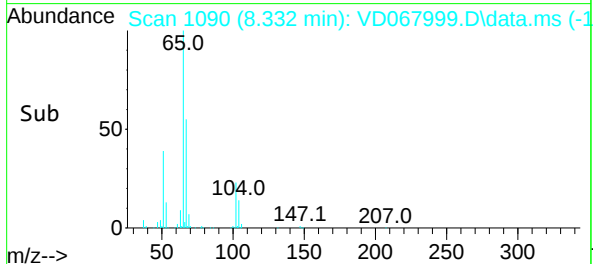
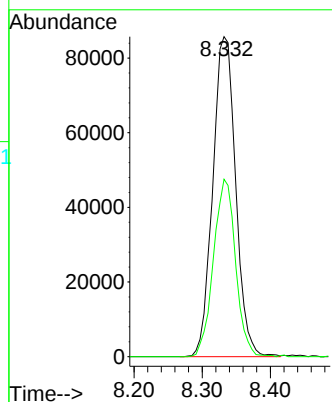
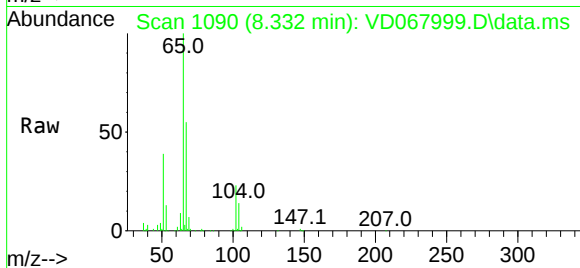




#33  
1,2-Dichloroethane-d4  
Concen: 66.42 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

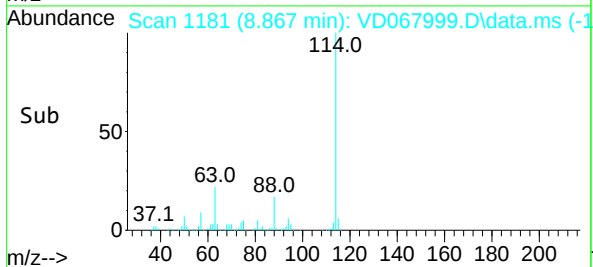
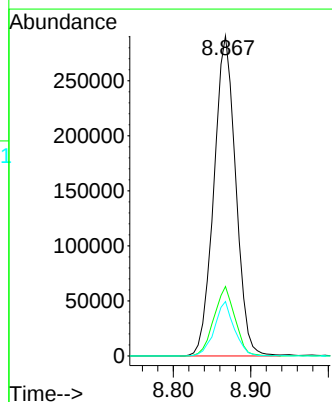
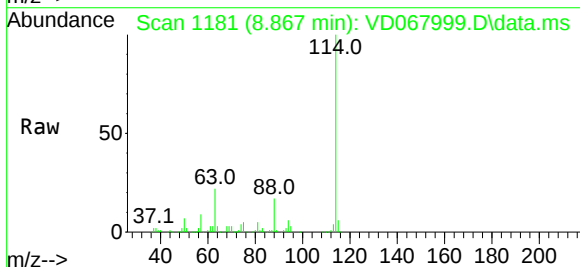
Instrument :  
MSVOA\_D  
ClientSampled :

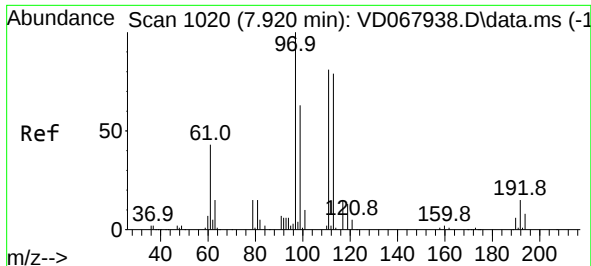
Tgt Ion: 65 Resp: 200522  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 110.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

Tgt Ion: 114 Resp: 568660  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 41.4  
88 17.0 0.0 33.2

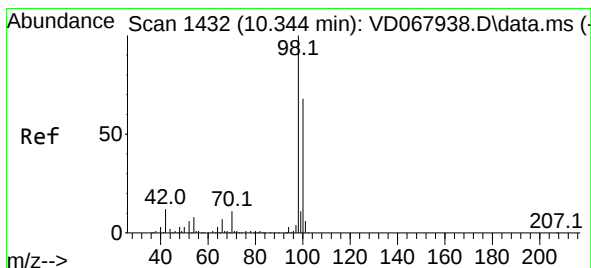
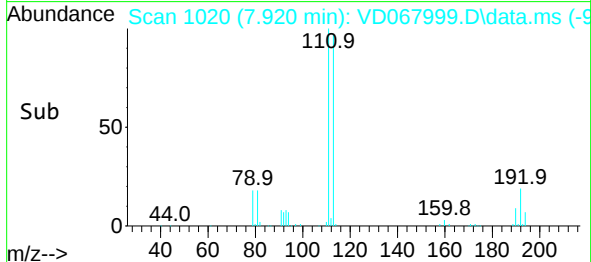
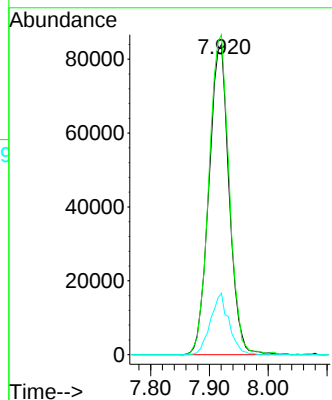
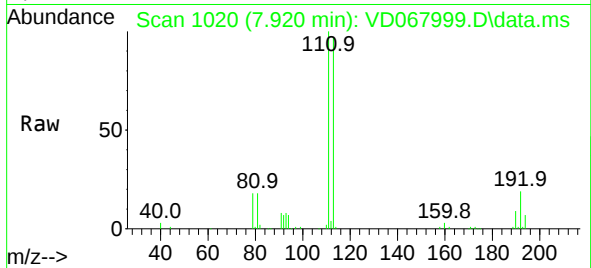




#35  
Dibromofluoromethane  
Concen: 55.89 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

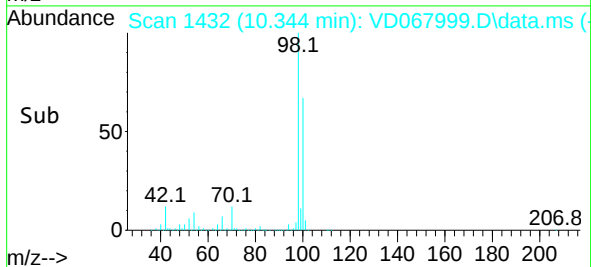
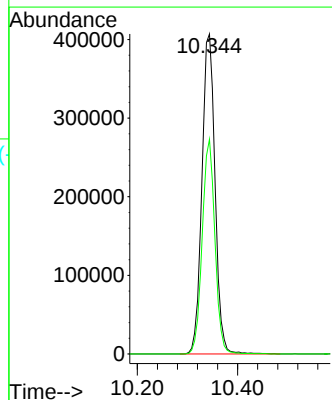
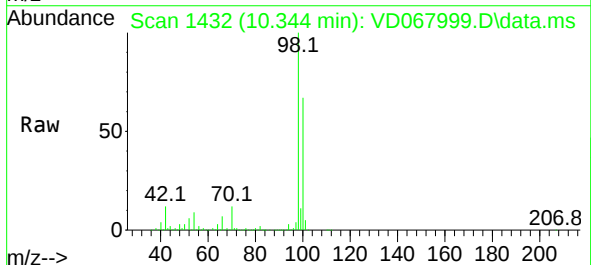
Instrument :  
MSVOA\_D  
ClientSampleId :

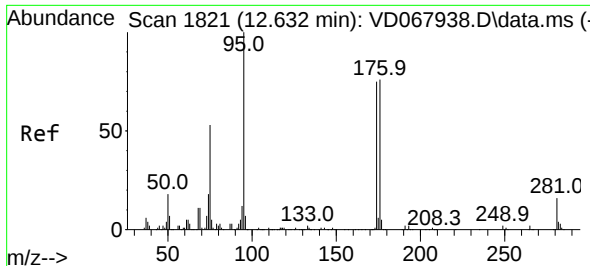
Tgt Ion:113 Resp: 200247  
Ion Ratio Lower Upper  
113 100  
111 103.4 79.3 118.9  
192 18.1 14.5 21.7



#50  
Toluene-d8  
Concen: 54.83 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

Tgt Ion: 98 Resp: 738454  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.5 78.7

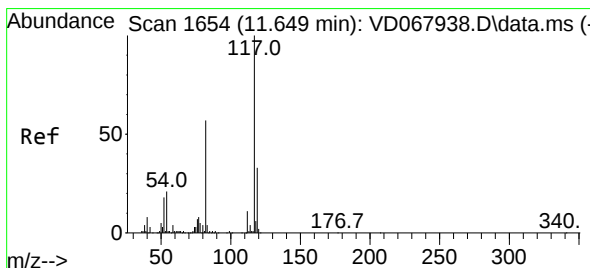
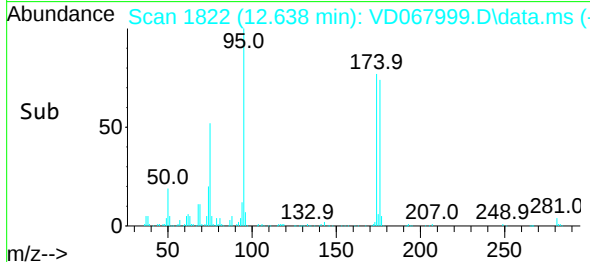
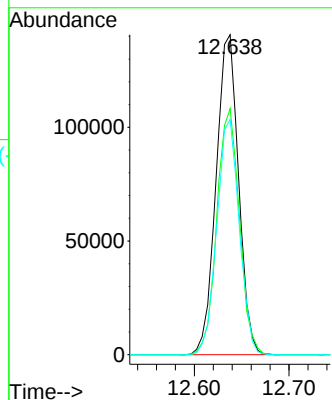
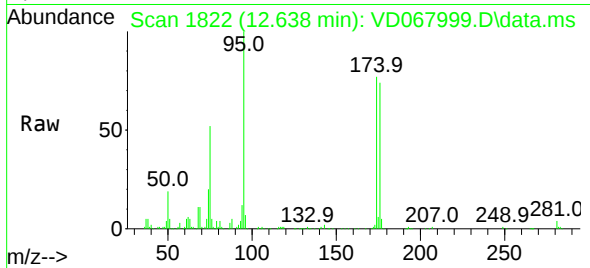




#62  
4-Bromofluorobenzene  
Concen: 50.38 ug/l  
RT: 12.638 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

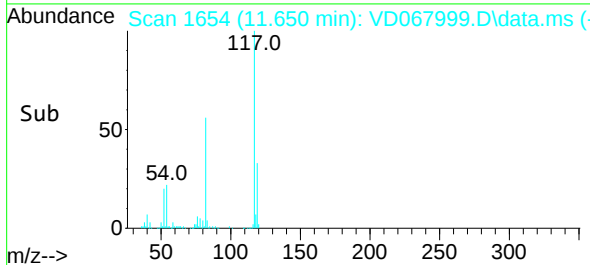
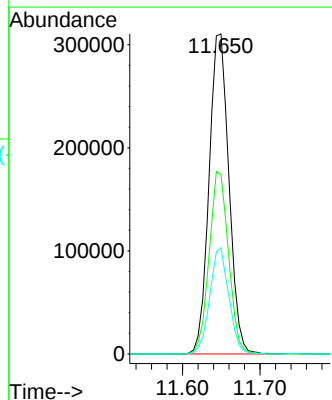
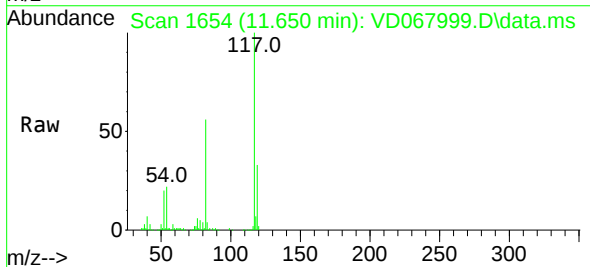
Instrument :  
MSVOA\_D  
ClientSampleId :

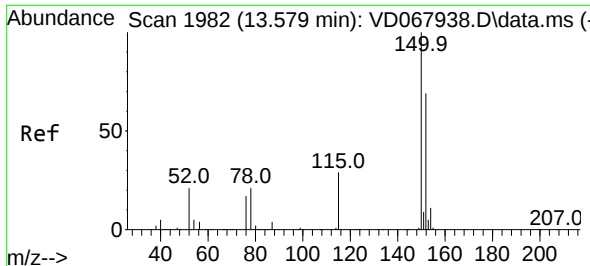
Tgt Ion: 95 Resp: 232097  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 150.6  
176 73.5 0.0 151.2



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.650 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

Tgt Ion: 117 Resp: 552318  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.4 68.0  
119 33.2 26.7 40.1

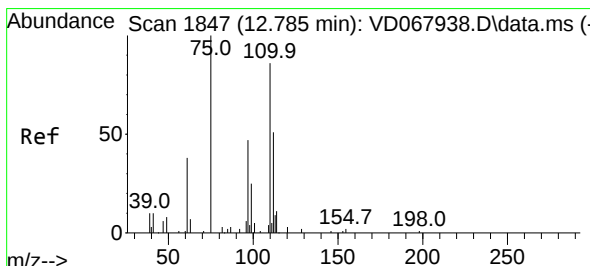
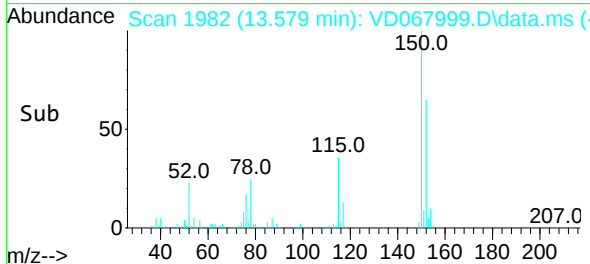
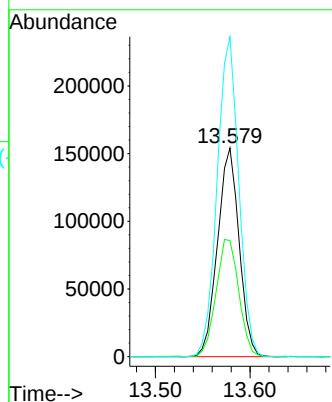
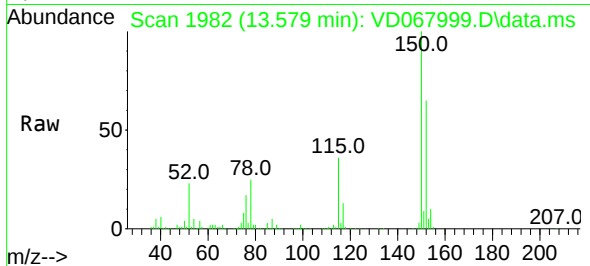




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. 0.000 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

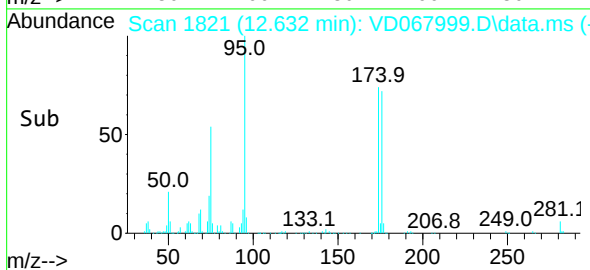
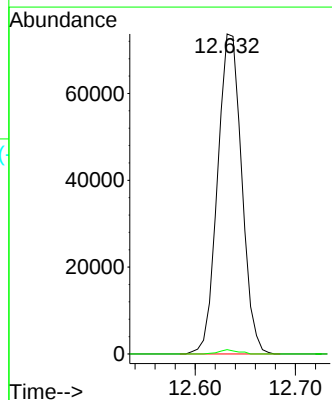
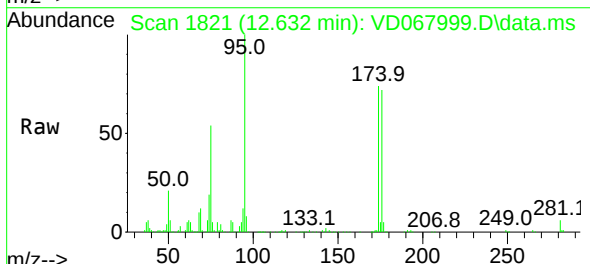
Instrument :  
MSVOA\_D  
ClientSampled :

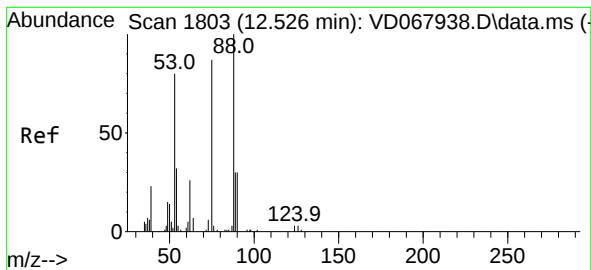
Tgt Ion:152 Resp: 244217  
Ion Ratio Lower Upper  
152 100  
115 59.2 29.3 88.0  
150 153.2 0.0 340.0



#76  
1,2,3-Trichloropropane  
Concen: 59.95 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD067999.D  
Acq: 05 Jan 2021 10:24

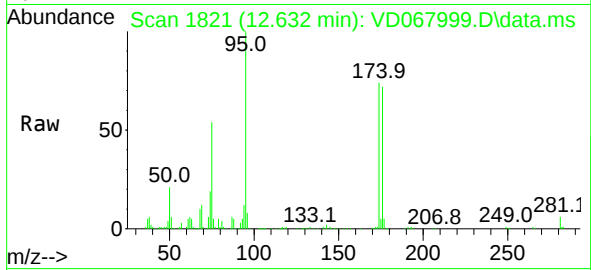
Tgt Ion: 75 Resp: 123261  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 122.88 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD067999.D  
 Acq: 05 Jan 2021 10:24

Instrument :  
 MSVOA\_D  
 ClientSampleId :



Tgt Ion: 75 Resp: 123261  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 74.9 112.3#  
 89 0.0 33.8 50.8#

