

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010621\  
 Data File : VD068015.D  
 Acq On : 06 Jan 2021 15:55  
 Operator : VA/SY  
 Sample : M1019-01  
 Misc : 5.68G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20410

Quant Time: Jan 07 00:10:54 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

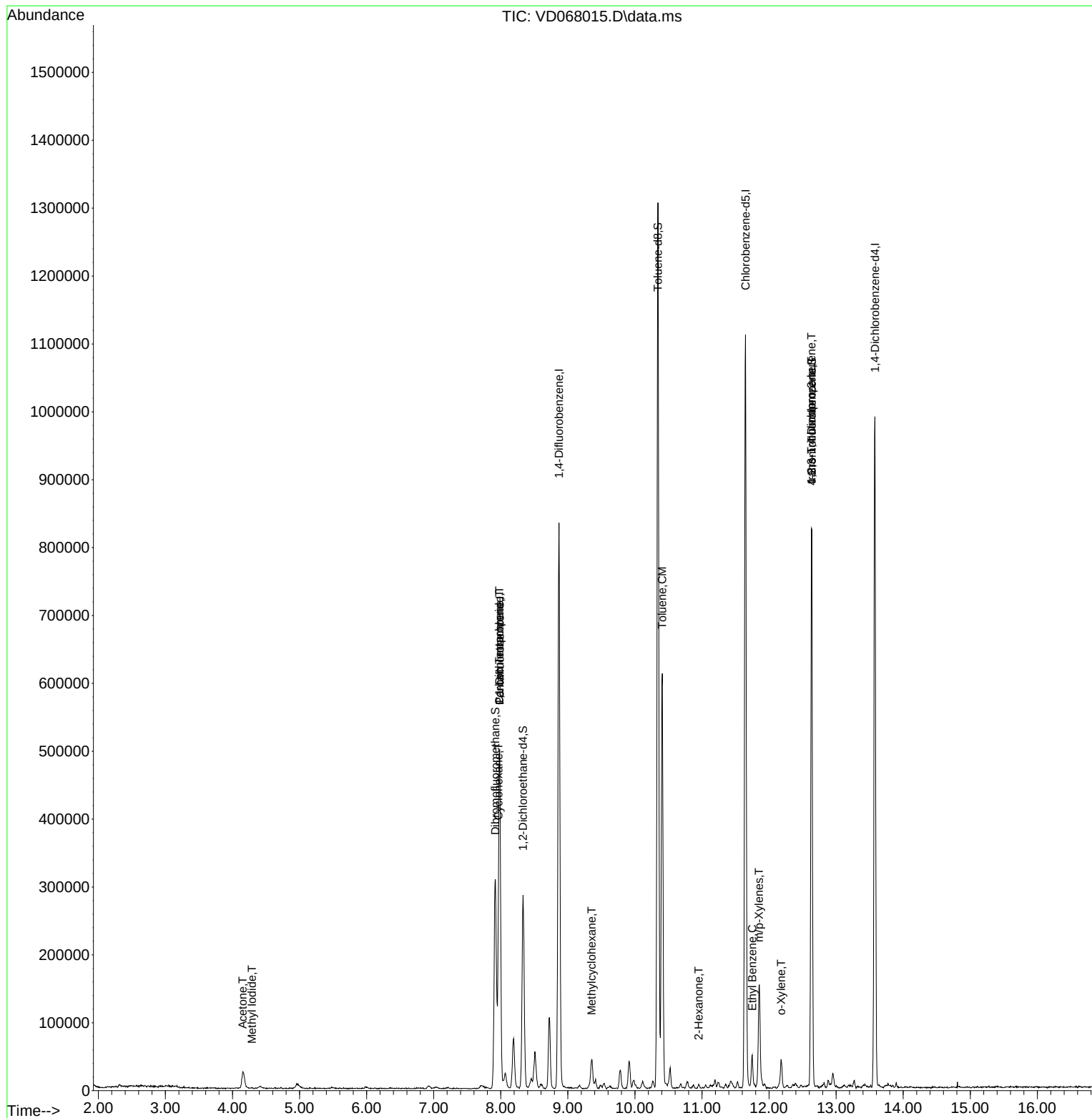
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.985  | 168   | 341329   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867  | 114   | 706636   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.649 | 117   | 639360   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.579 | 152   | 256751   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65    | 225359   | 61.14     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 122.28%  |
| 35) Dibromofluoromethane      | 7.920  | 113   | 227155   | 51.02     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 102.04%  |
| 50) Toluene-d8                | 10.344 | 98    | 873438   | 52.19     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 104.38%  |
| 62) 4-Bromofluorobenzene      | 12.638 | 95    | 280854   | 49.06     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 98.12%   |
| Target Compounds              |        |       |          |           |        |          |
| 5) Bromomethane               | 2.785  | 94    | 593      | Below Cal | #      | 69       |
| 10) Methyl Iodide             | 4.291  | 142   | 372      | 3.94      | ug/l # | 68       |
| 16) Acetone                   | 4.150  | 43    | 44500    | 63.24     | ug/l   | 94       |
| 20) Methylene Chloride        | 4.956  | 84    | 2220     | Below Cal | #      | 68       |
| 31) Cyclohexane               | 7.967  | 56    | 20045    | 2.66      | ug/l # | 56       |
| 36) 1,1-Dichloropropene       | 7.979  | 75    | 30452    | 4.05      | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 37097    | 5.17      | ug/l # | 17       |
| 39) Methylcyclohexane         | 9.355  | 83    | 13058    | 1.52      | ug/l # | 78       |
| 52) Toluene                   | 10.408 | 92    | 263637   | 19.60     | ug/l   | 99       |
| 59) 2-Hexanone                | 10.949 | 43    | 2276     | 1.20      | ug/l # | 24       |
| 67) Ethyl Benzene             | 11.749 | 91    | 32134    | 1.31      | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.849 | 106   | 41827    | 4.46      | ug/l   | 100      |
| 69) o-Xylene                  | 12.179 | 106   | 10794    | 1.29      | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75    | 141342   | 65.39     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75    | 141342   | 134.03    | ug/l # | 13       |

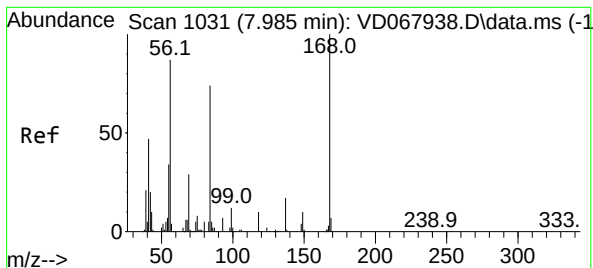
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010621\  
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Sample : M1019-01  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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20410

Quant Time: Jan 07 00:10:54 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

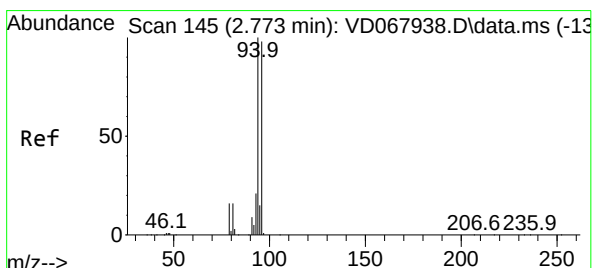
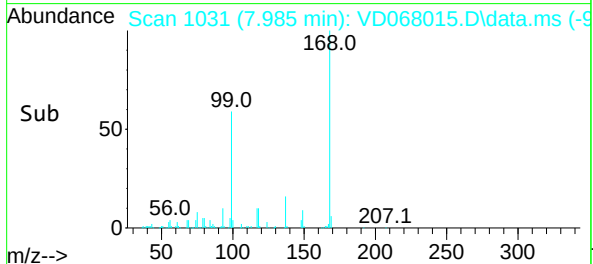
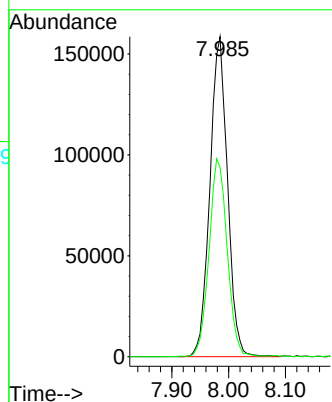
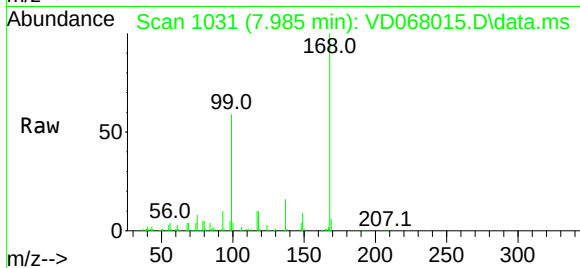




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

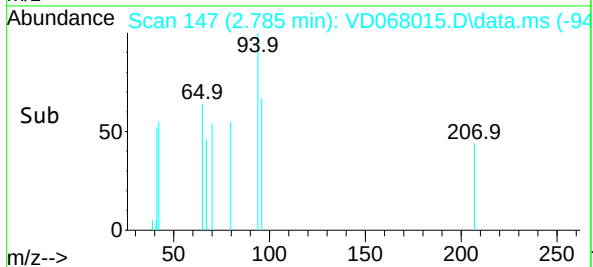
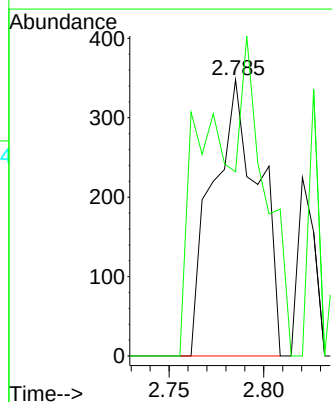
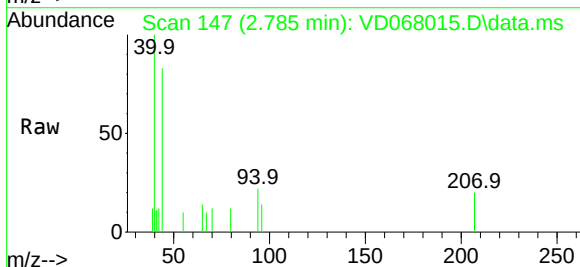
Instrument :  
MSVOA\_D  
ClientSampleId :  
20410

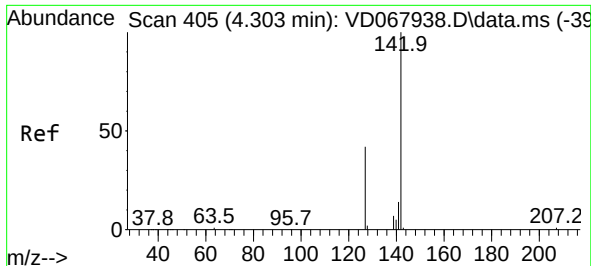
Tgt Ion:168 Resp: 341329  
Ion Ratio Lower Upper  
168 100  
99 59.1 48.0 72.0



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.785 min Scan# 147  
Delta R.T. 0.012 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

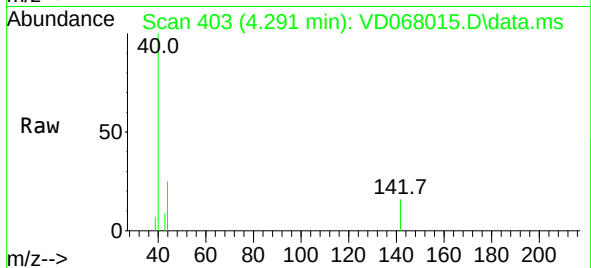
Tgt Ion: 94 Resp: 593  
Ion Ratio Lower Upper  
94 100  
96 66.7 78.0 117.0#



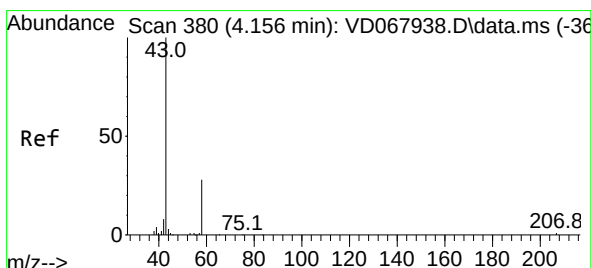
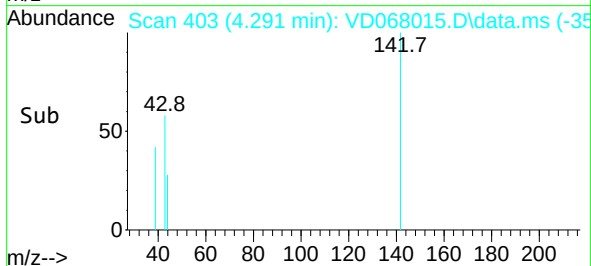
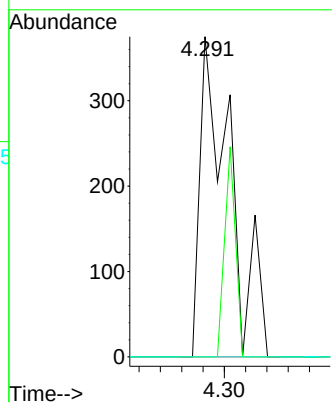


#10  
Methyl Iodide  
Concen: 3.94 ug/l  
RT: 4.291 min Scan# 403  
Delta R.T. -0.012 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Instrument :  
MSVOA\_D  
ClientSampled :  
20410

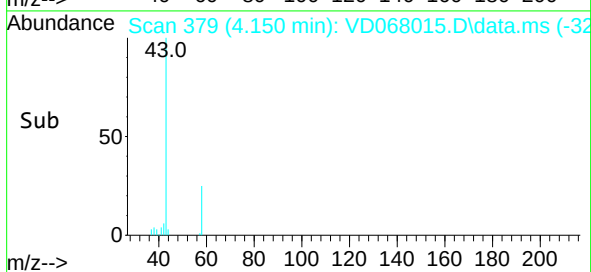
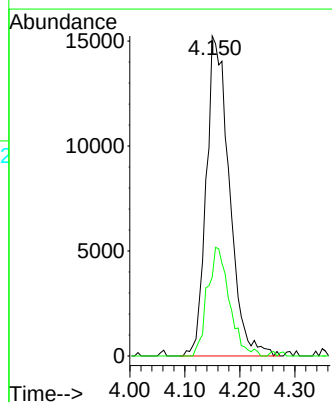
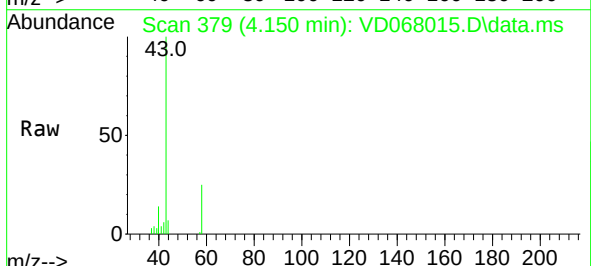


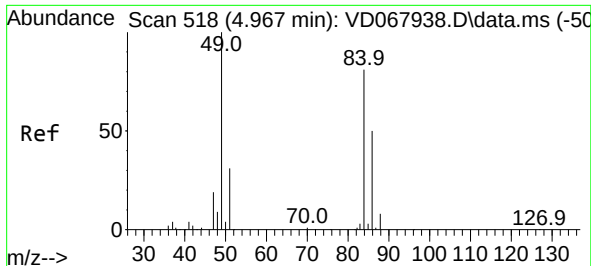
Tgt Ion:142 Resp: 372  
Ion Ratio Lower Upper  
142 100  
127 23.4 34.4 51.6#  
141 0.0 11.8 17.8#



#16  
Acetone  
Concen: 63.24 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Tgt Ion: 43 Resp: 44500  
Ion Ratio Lower Upper  
43 100  
58 24.6 22.3 33.5

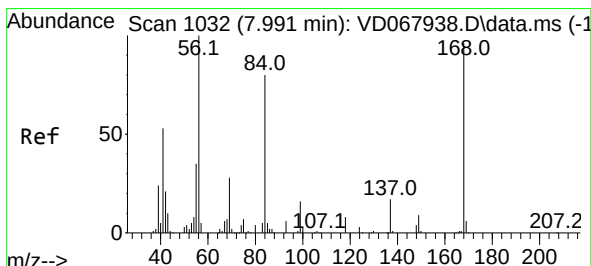
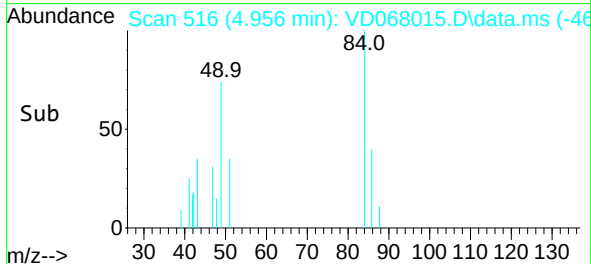
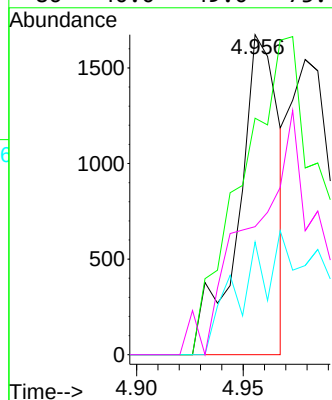
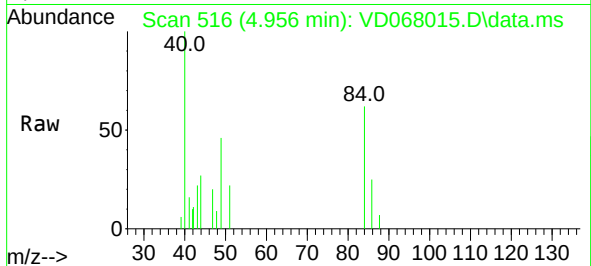




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 516  
Delta R.T. -0.011 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

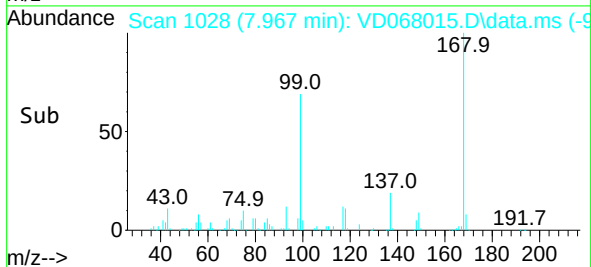
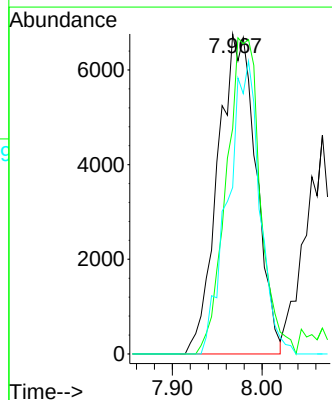
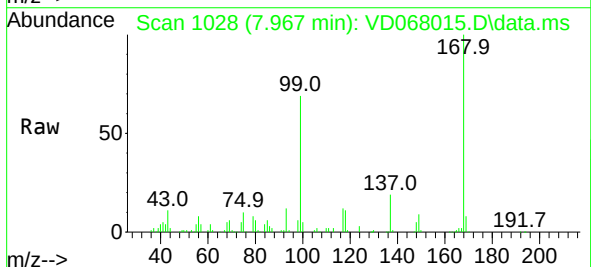
Instrument :  
MSVOA\_D  
ClientSampled :  
20410

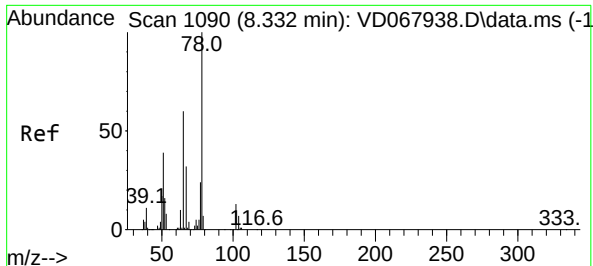
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 2220   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 73.9  | 98.3  | 147.5# |
| 51       | 35.2  | 30.3  | 45.5   |
| 86       | 40.0  | 49.0  | 73.4#  |



#31  
Cyclohexane  
Concen: 2.66 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.024 min  
Lab File: VD068015.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 20045 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 70.4  | 22.7  | 34.1# |
| 84       | 52.1  | 64.2  | 96.4# |

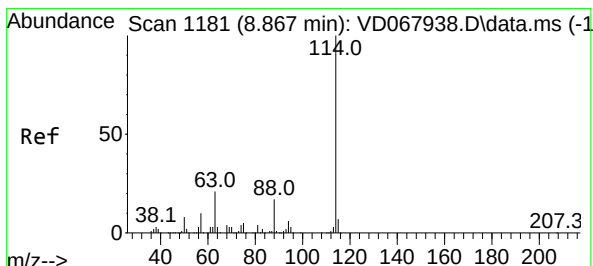
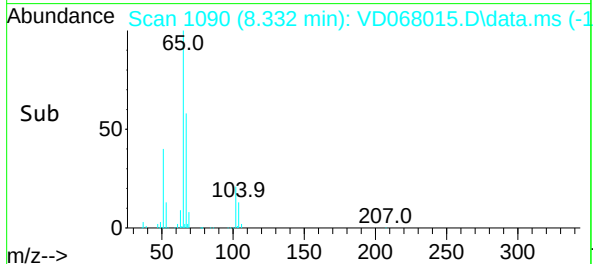
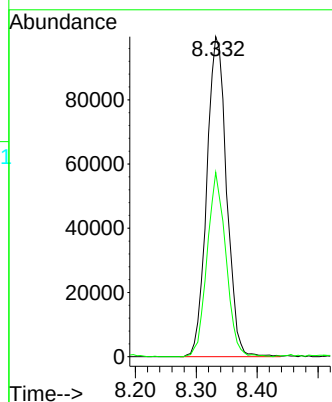
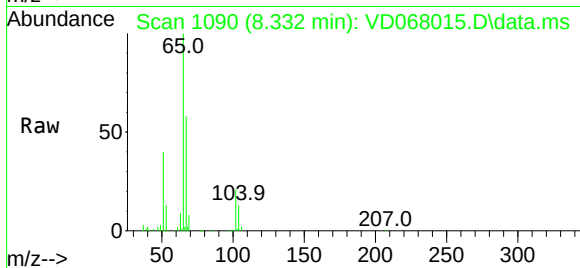




#33  
1,2-Dichloroethane-d4  
Concen: 61.14 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

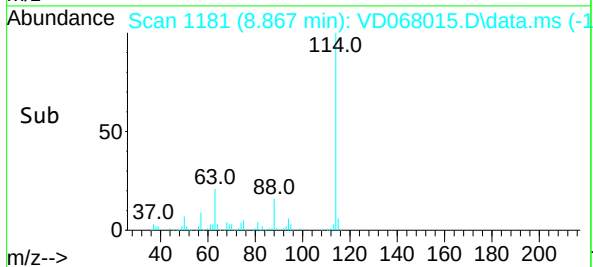
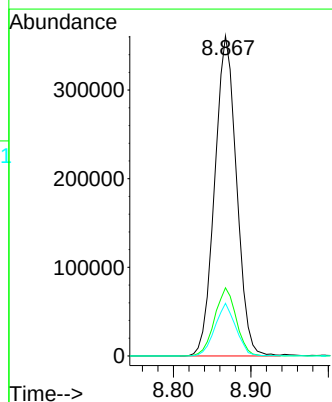
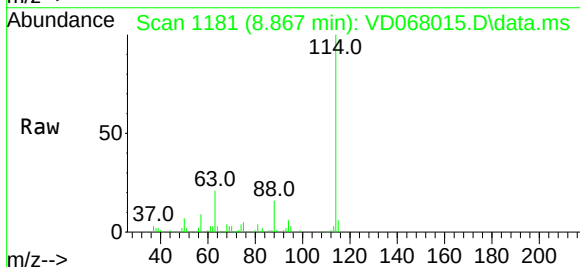
Instrument :  
MSVOA\_D  
ClientSampleId :  
20410

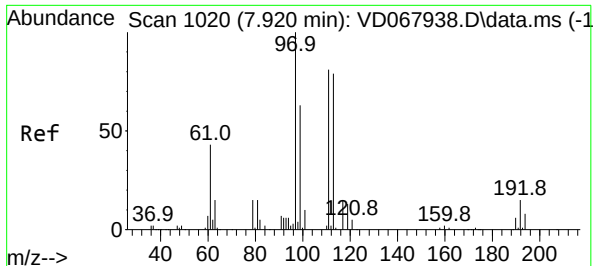
Tgt Ion: 65 Resp: 225359  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 110.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Tgt Ion: 114 Resp: 706636  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 41.4  
88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.02 ug/l

RT: 7.920 min Scan# 1020

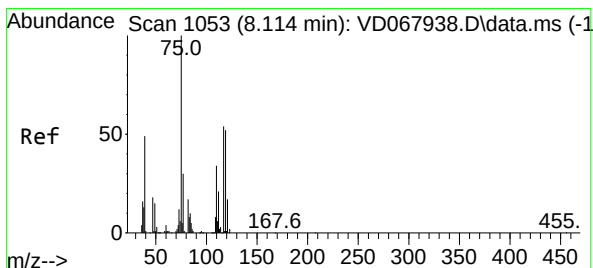
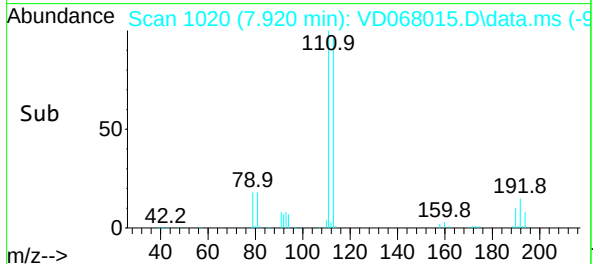
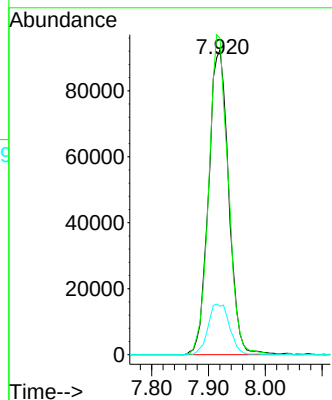
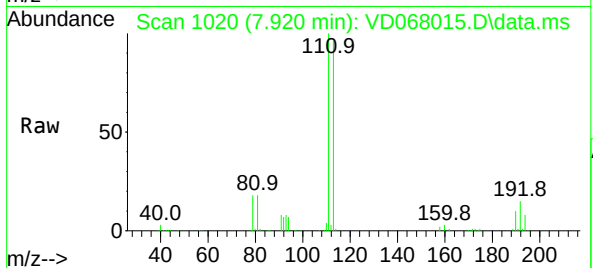
Delta R.T. 0.000 min

Lab File: VD068015.D

Acq: 06 Jan 2021 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 227155 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 100.5 | 79.3  | 118.9  |
| 192      | 17.8  | 14.5  | 21.7   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
20410



#36

1,1-Dichloropropene

Concen: 4.05 ug/l

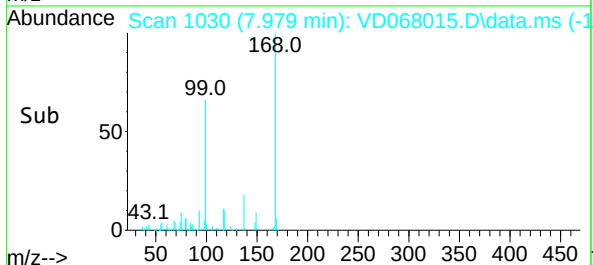
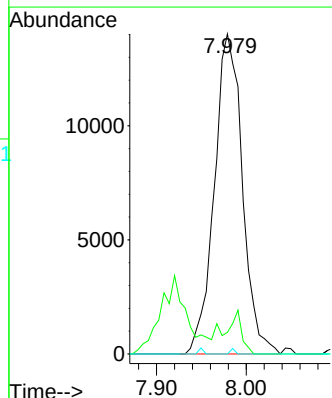
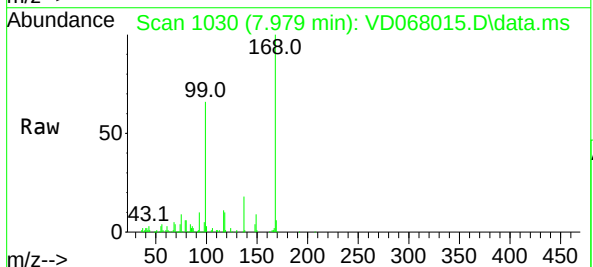
RT: 7.979 min Scan# 1030

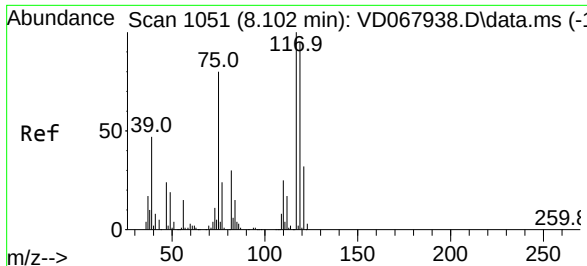
Delta R.T. -0.135 min

Lab File: VD068015.D

Acq: 06 Jan 2021 15:55

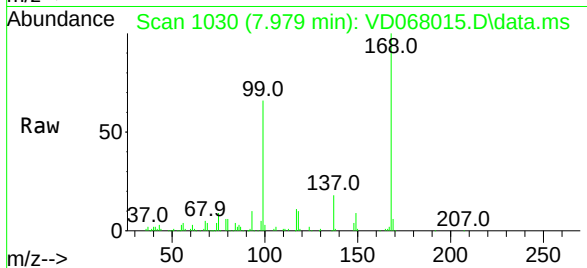
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 30452 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 5.8   | 17.0  | 51.0# |
| 77       | 0.3   | 24.6  | 37.0# |



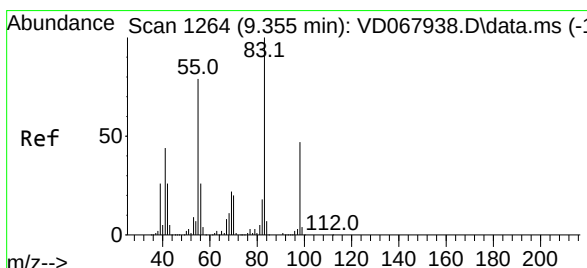
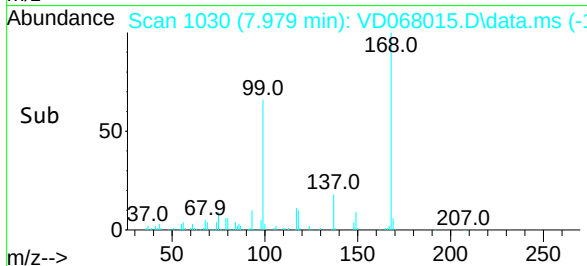
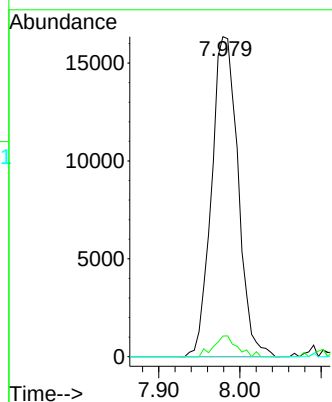


#38  
Carbon Tetrachloride  
Concen: 5.17 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.123 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
20410

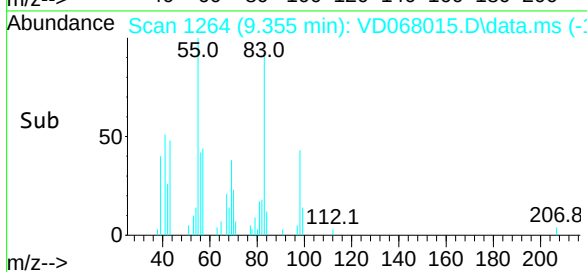
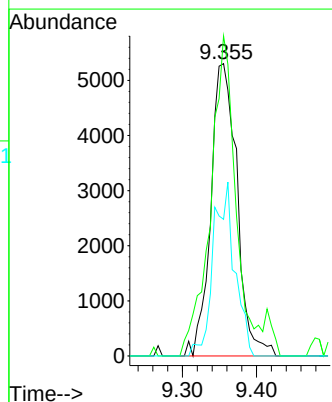
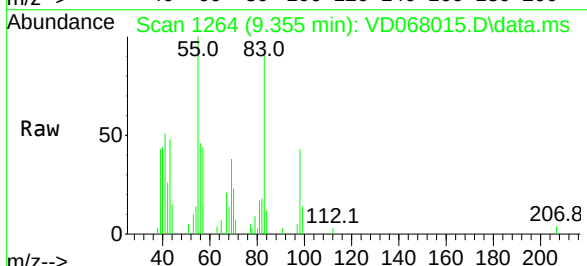


Tgt Ion: 117 Resp: 37097  
Ion Ratio Lower Upper  
117 100  
119 6.5 76.2 114.4#  
121 0.0 25.9 38.9#

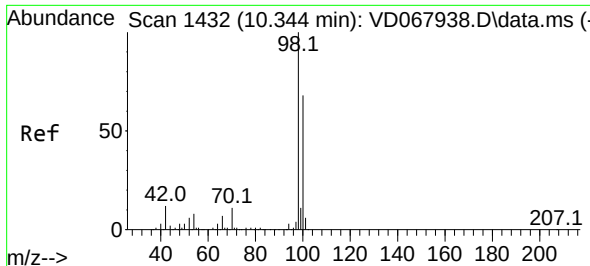


#39  
Methylcyclohexane  
Concen: 1.52 ug/l  
RT: 9.355 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Tgt Ion: 83 Resp: 13058  
Ion Ratio Lower Upper  
83 100  
55 109.5 63.5 95.3#  
98 46.7 37.3 55.9



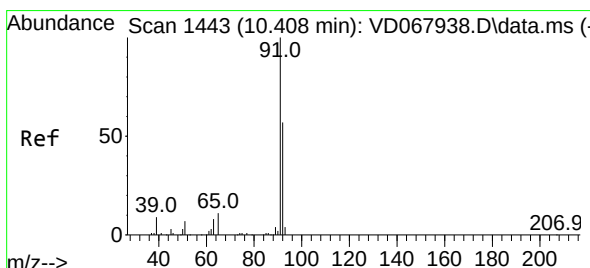
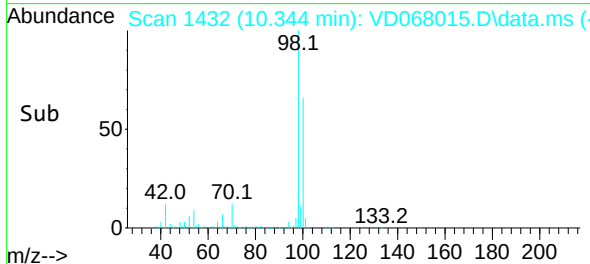
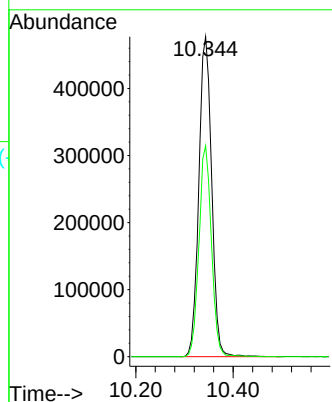
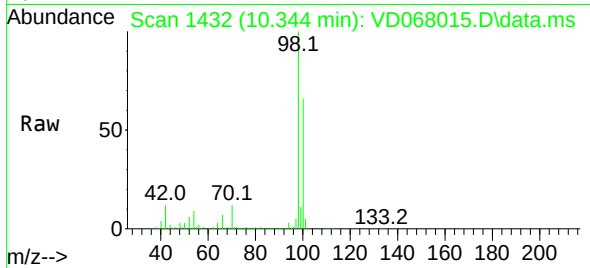




#50  
Toluene-d8  
Concen: 52.19 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

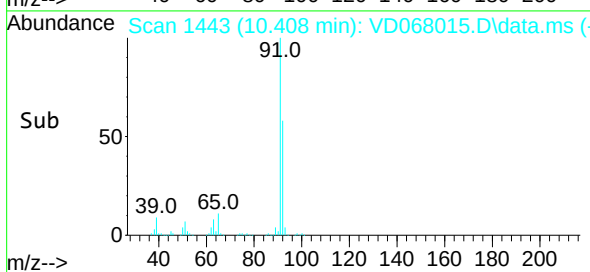
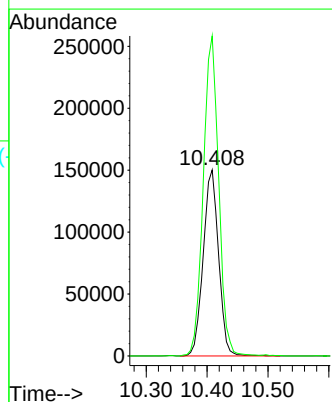
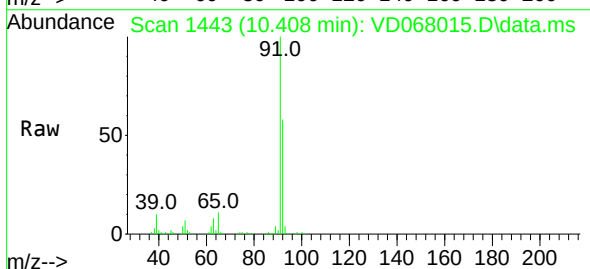
Instrument :  
MSVOA\_D  
ClientSampleId :  
20410

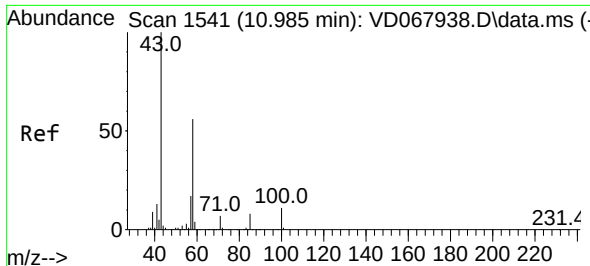
Tgt Ion: 98 Resp: 873438  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.5 78.7



#52  
Toluene  
Concen: 19.60 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Tgt Ion: 92 Resp: 263637  
Ion Ratio Lower Upper  
92 100  
91 172.2 138.5 207.7

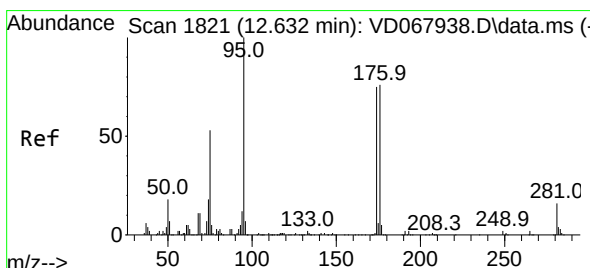
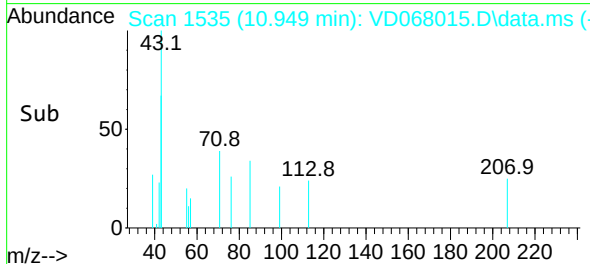
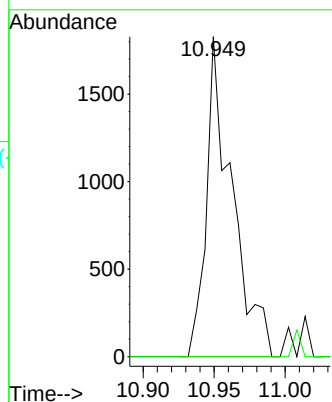
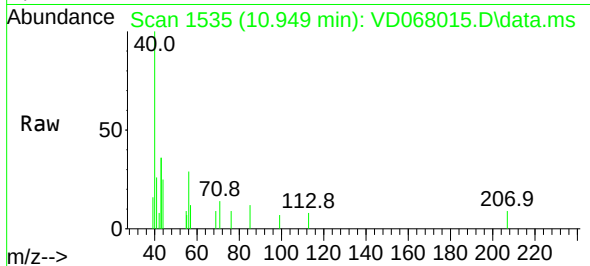




#59  
2-Hexanone  
Concen: 1.20 ug/l  
RT: 10.949 min Scan# 1535  
Delta R.T. -0.035 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

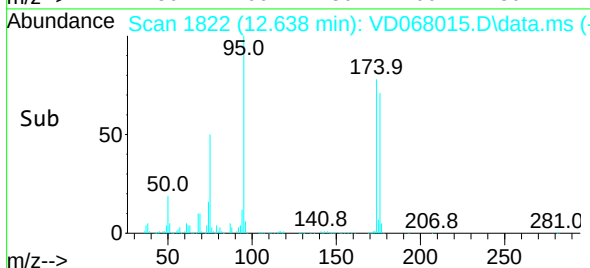
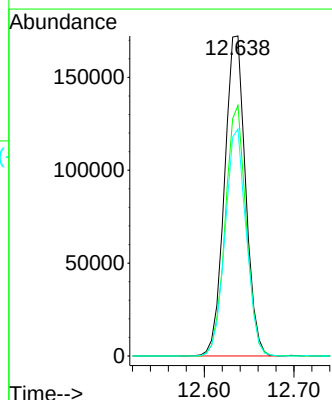
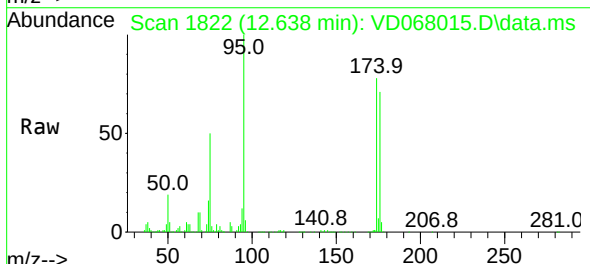
Instrument :  
MSVOA\_D  
ClientSampleId :  
20410

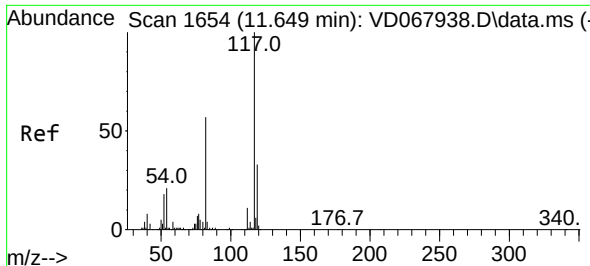
Tgt Ion: 43 Resp: 2276  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.5 82.4#



#62  
4-Bromofluorobenzene  
Concen: 49.06 ug/l  
RT: 12.638 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Tgt Ion: 95 Resp: 280854  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 150.6  
176 71.0 0.0 151.2

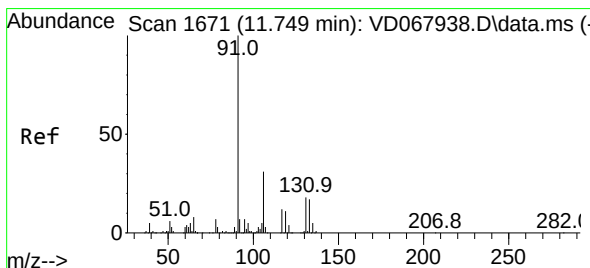
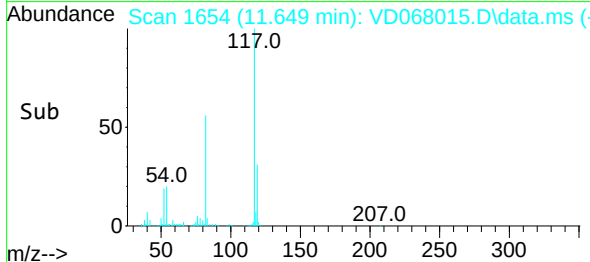
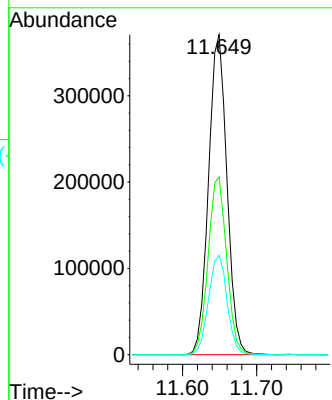
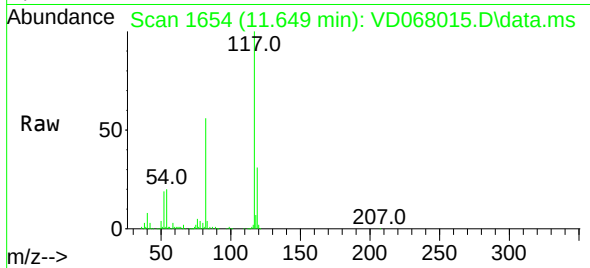




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

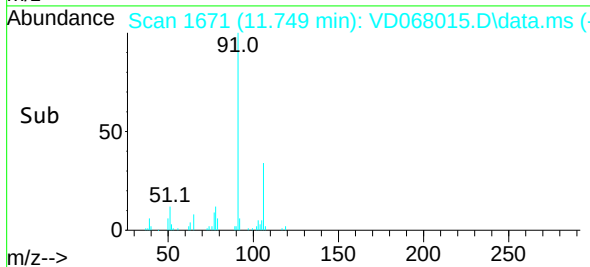
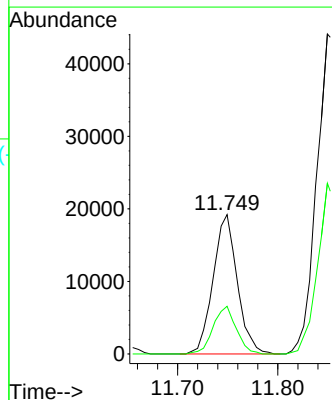
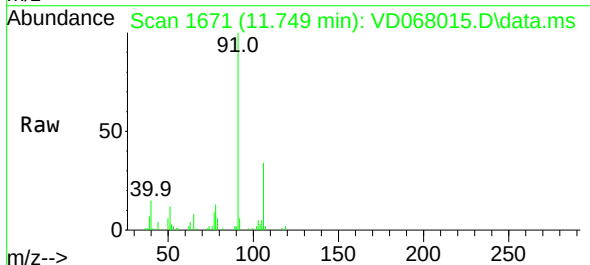
Instrument :  
MSVOA\_D  
ClientSampleId :  
20410

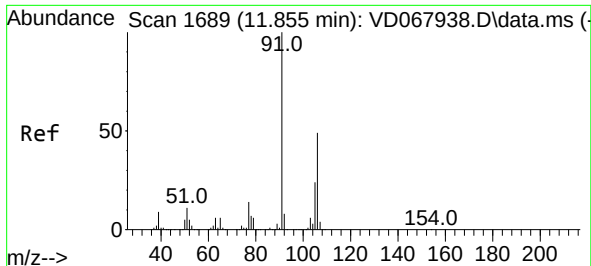
Tgt Ion:117 Resp: 639360  
Ion Ratio Lower Upper  
117 100  
82 55.6 45.4 68.0  
119 31.0 26.7 40.1



#67  
Ethyl Benzene  
Concen: 1.31 ug/l  
RT: 11.749 min Scan# 1671  
Delta R.T. 0.000 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Tgt Ion: 91 Resp: 32134  
Ion Ratio Lower Upper  
91 100  
106 34.2 24.6 37.0

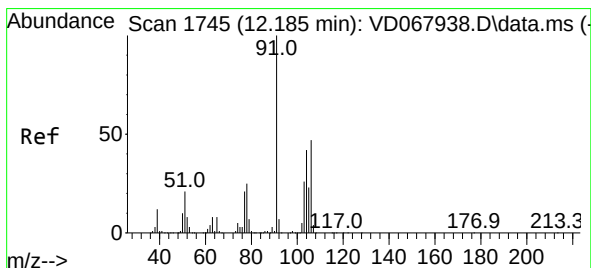
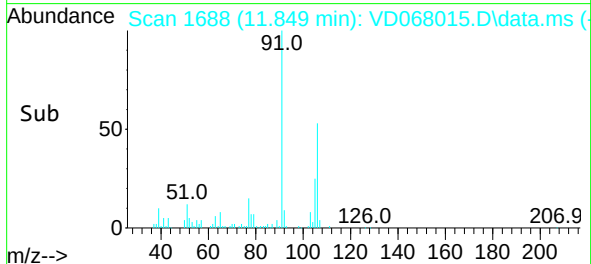
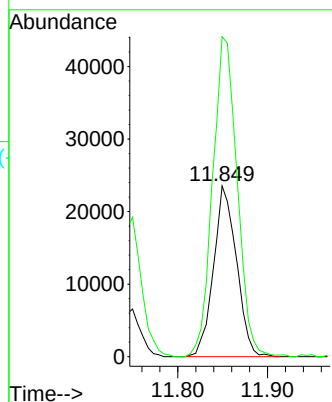
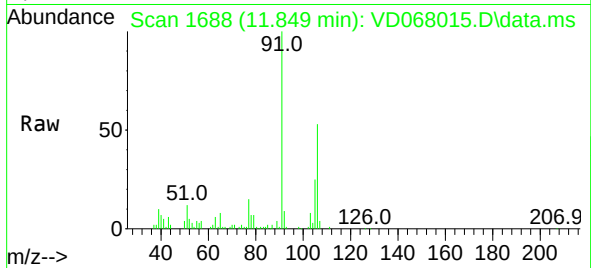




#68  
m/p-Xylenes  
Concen: 4.46 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. -0.006 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

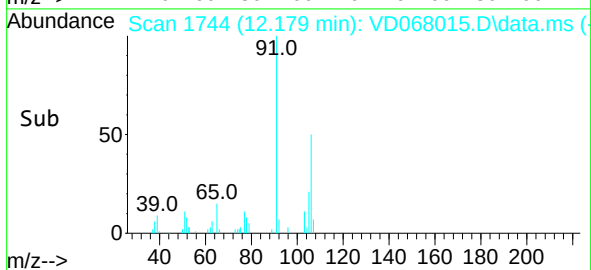
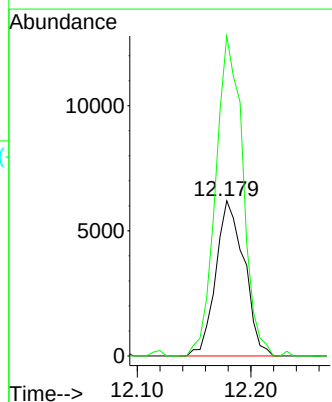
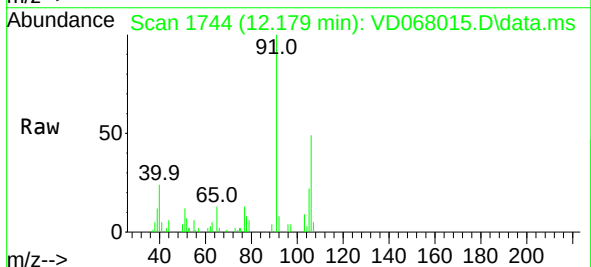
Instrument :  
MSVOA\_D  
ClientSampleId :  
20410

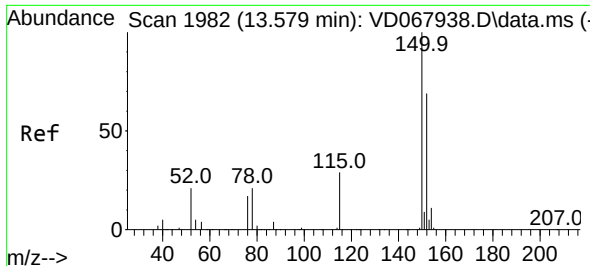
Tgt Ion:106 Resp: 41827  
Ion Ratio Lower Upper  
106 100  
91 200.5 159.9 239.9



#69  
o-Xylene  
Concen: 1.29 ug/l  
RT: 12.179 min Scan# 1744  
Delta R.T. -0.006 min  
Lab File: VD068015.D  
Acq: 06 Jan 2021 15:55

Tgt Ion:106 Resp: 10794  
Ion Ratio Lower Upper  
106 100  
91 196.9 106.0 317.9

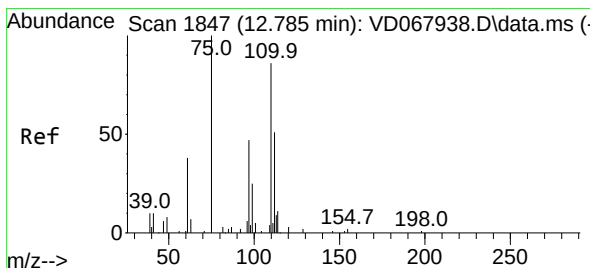
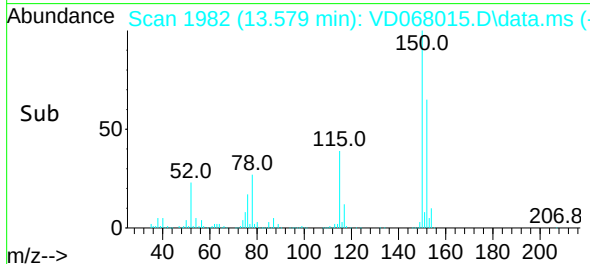
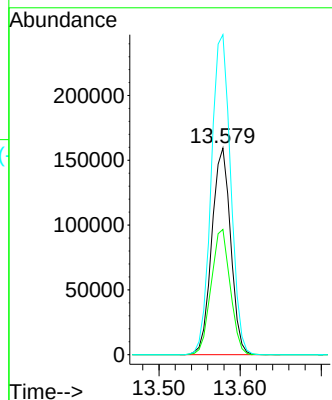
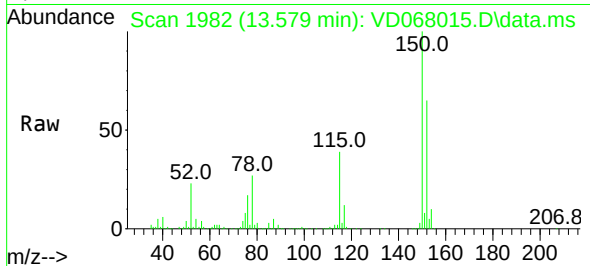




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.579 min Scan# 1982  
 Delta R.T. 0.000 min  
 Lab File: VD068015.D  
 Acq: 06 Jan 2021 15:55

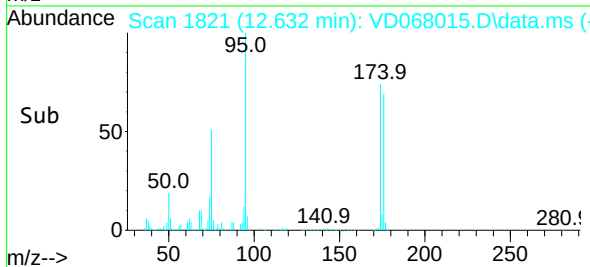
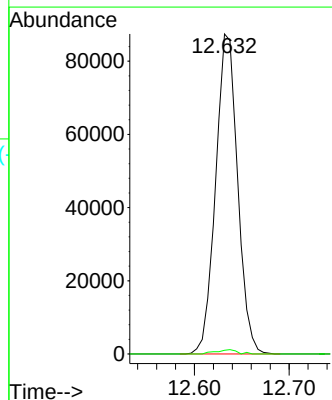
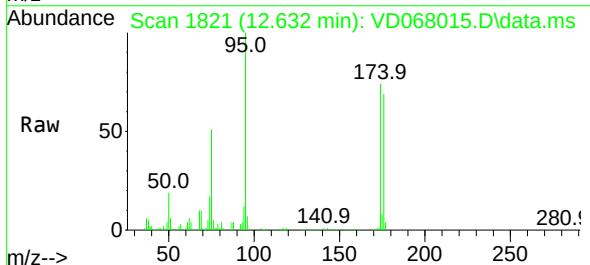
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20410

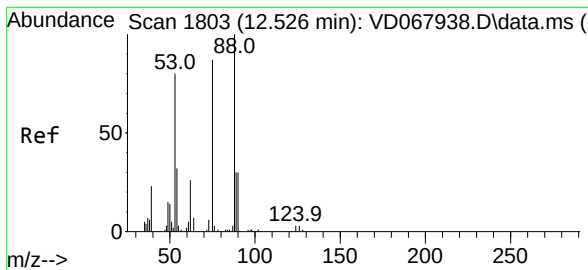
Tgt Ion:152 Resp: 256751  
 Ion Ratio Lower Upper  
 152 100  
 115 61.3 29.3 88.0  
 150 159.6 0.0 340.0



#76  
 1,2,3-Trichloropropane  
 Concen: 65.39 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. -0.153 min  
 Lab File: VD068015.D  
 Acq: 06 Jan 2021 15:55

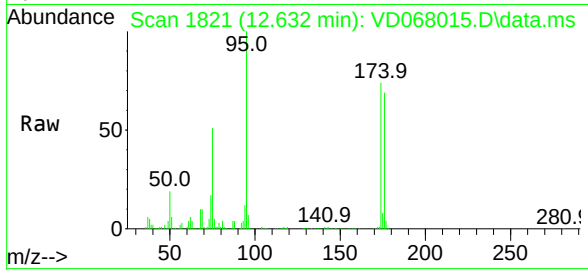
Tgt Ion: 75 Resp: 141342  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 134.03 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068015.D  
 Acq: 06 Jan 2021 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 20410



Tgt Ion: 75 Resp: 141342  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 74.9 112.3#  
 89 0.0 33.8 50.8#

