

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040821\  
 Data File : VD068788.D  
 Acq On : 08 Apr 2021 14:44  
 Operator : VA/SY  
 Sample : M1979-15  
 Misc : 4.44G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 09 01:02:27 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

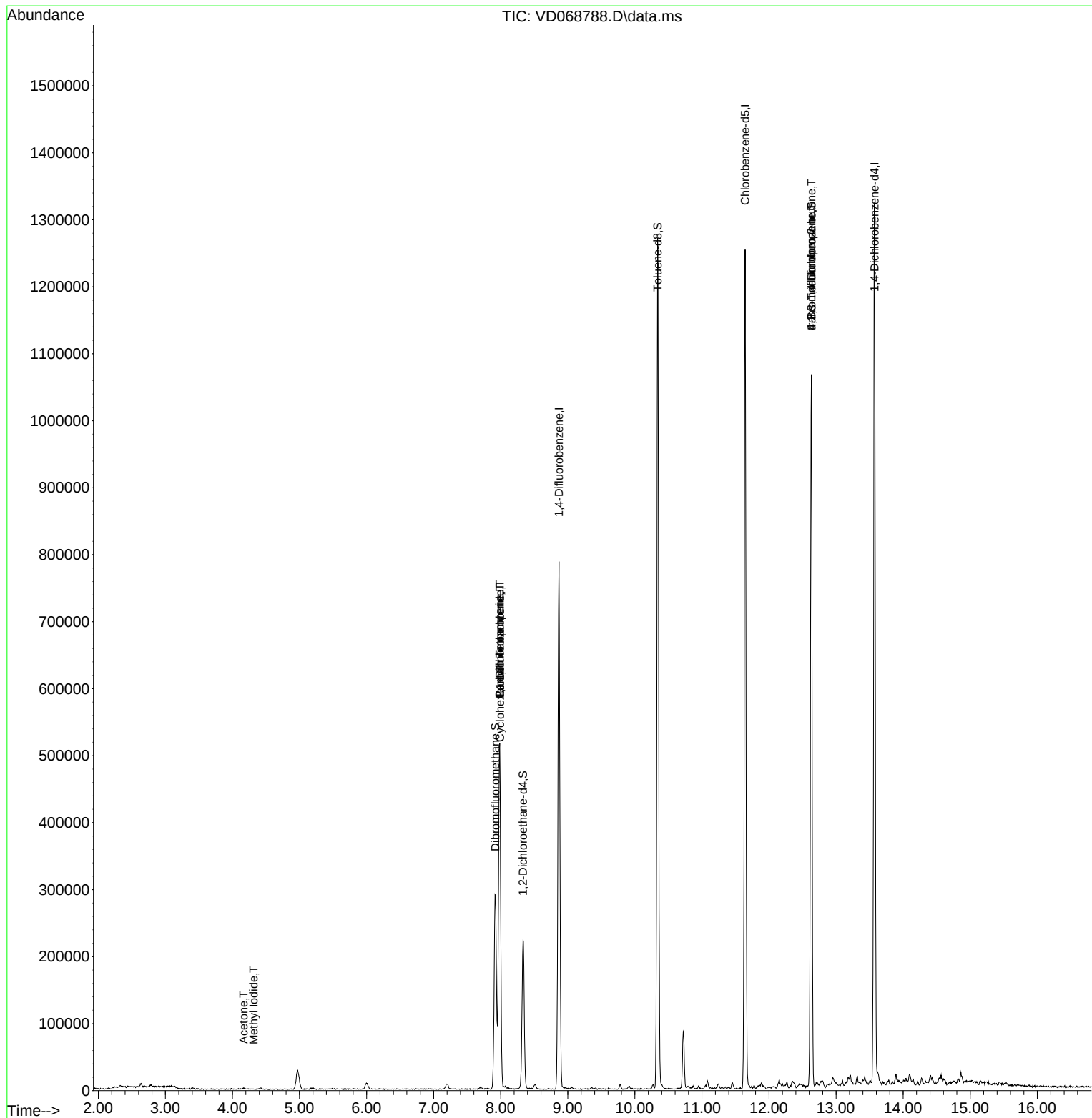
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.985  | 168   | 401003   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867  | 114   | 715452   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.644 | 117   | 734101   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.573 | 152   | 368358   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65    | 183269   | 43.24     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 86.48%   |
| 35) Dibromofluoromethane      | 7.920  | 113   | 216189   | 46.46     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 92.92%   |
| 50) Toluene-d8                | 10.338 | 98    | 887521   | 50.56     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 101.12%  |
| 62) 4-Bromofluorobenzene      | 12.632 | 95    | 333811   | 57.25     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 114.50%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.315  | 142   | 490      | 2.34      | ug/l # | 41       |
| 11) Tert butyl alcohol        | 5.191  | 59    | 420      | Below Cal | #      | 73       |
| 16) Acetone                   | 4.168  | 43    | 3668     | 6.25      | ug/l # | 65       |
| 31) Cyclohexane               | 7.991  | 56    | 7734     | 1.10      | ug/l # | 27       |
| 36) 1,1-Dichloropropene       | 7.985  | 75    | 31046    | 4.29      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.985  | 117   | 41037    | 5.72      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75    | 164689   | 48.94     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75    | 164689   | 113.57    | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

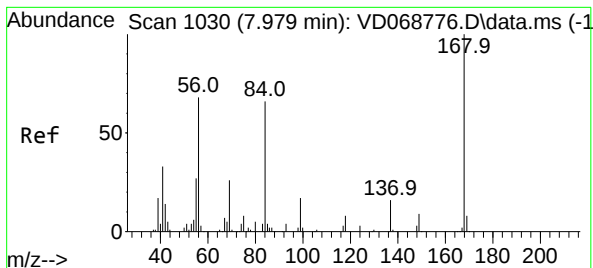
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :

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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

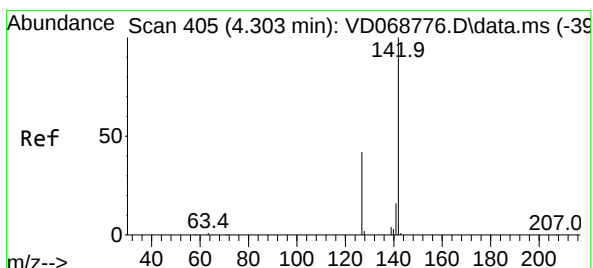
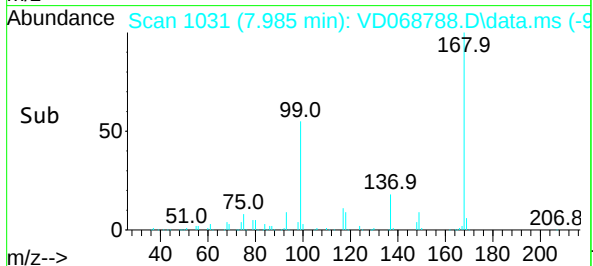
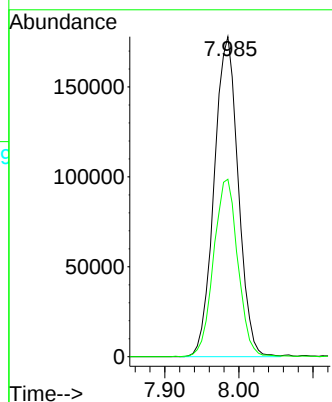
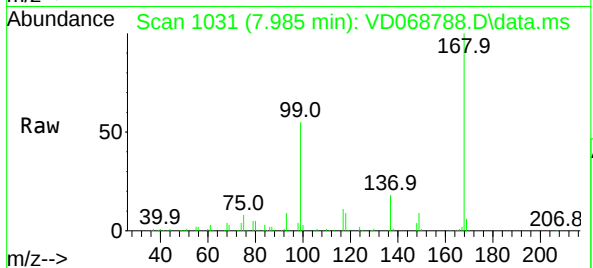




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

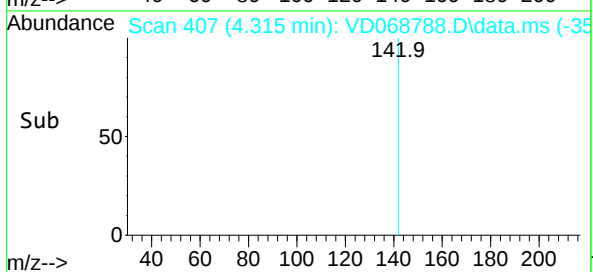
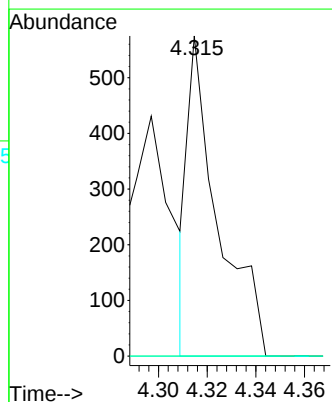
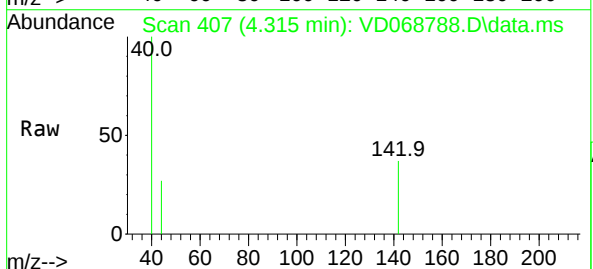
Instrument :  
MSVOA\_D  
ClientSampled :

Tgt Ion:168 Resp: 401003  
Ion Ratio Lower Upper  
168 100  
99 55.4 46.2 69.2



#10  
Methyl Iodide  
Concen: 2.34 ug/l  
RT: 4.315 min Scan# 407  
Delta R.T. 0.012 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Tgt Ion:142 Resp: 490  
Ion Ratio Lower Upper  
142 100  
127 0.0 34.7 52.1#  
141 0.0 11.0 16.4#



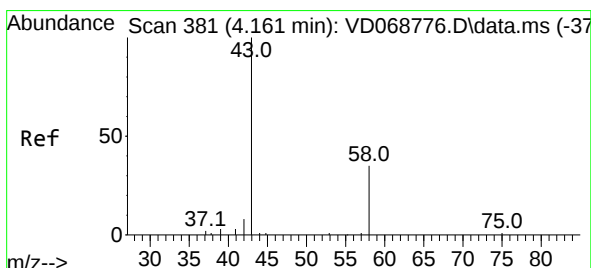
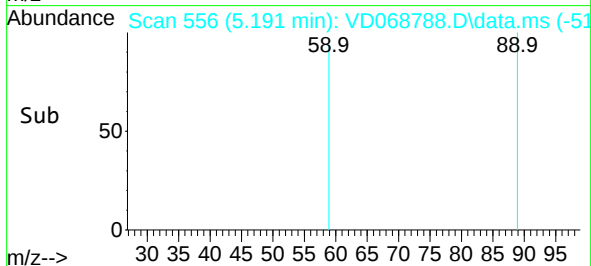
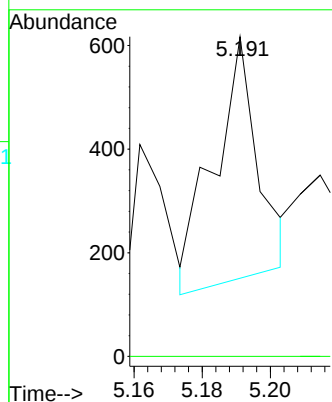
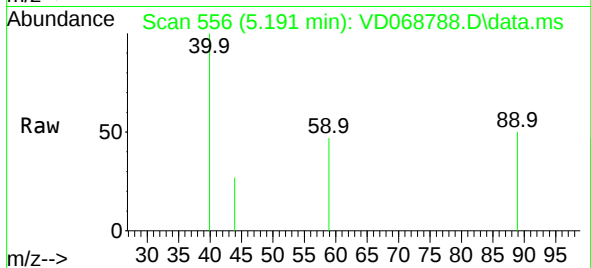


#11

Tert butyl alcohol  
Concen: Below Cal  
RT: 5.191 min Scan# 556  
Delta R.T. -0.029 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Instrument :  
MSVOA\_D  
ClientSampleId :

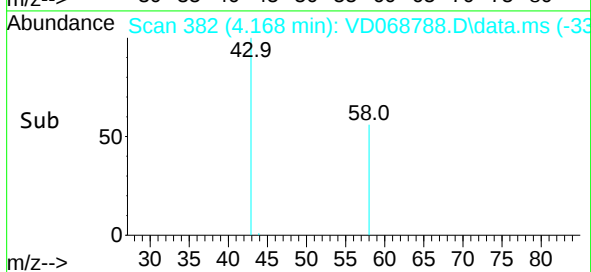
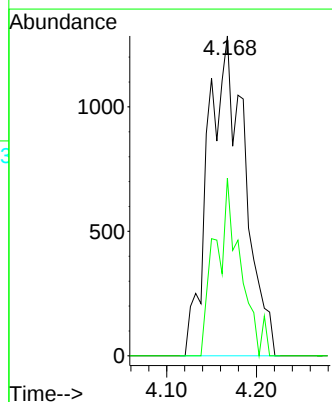
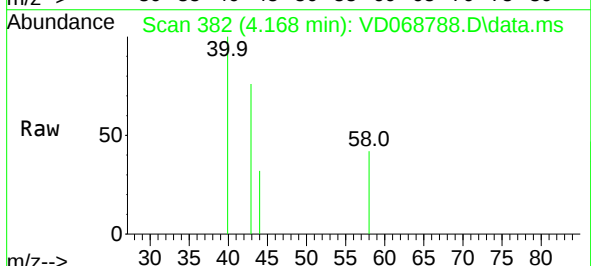
Tgt Ion: 59 Resp: 420  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

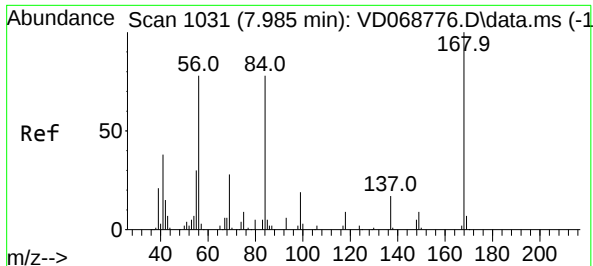


#16

Acetone  
Concen: 6.25 ug/l  
RT: 4.168 min Scan# 382  
Delta R.T. 0.007 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

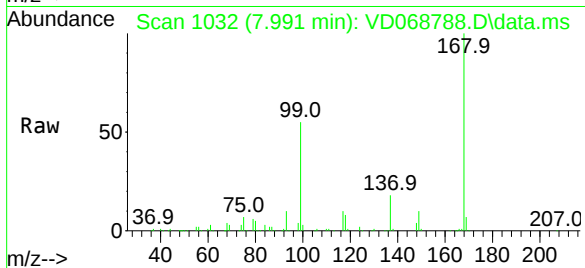
Tgt Ion: 43 Resp: 3668  
Ion Ratio Lower Upper  
43 100  
58 55.6 28.0 42.0#



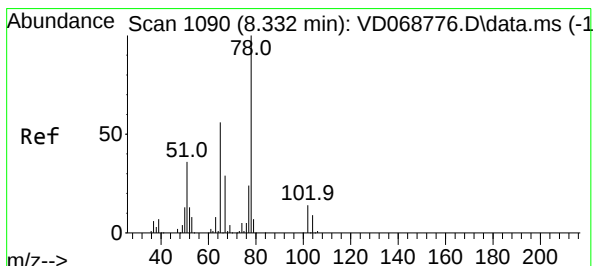
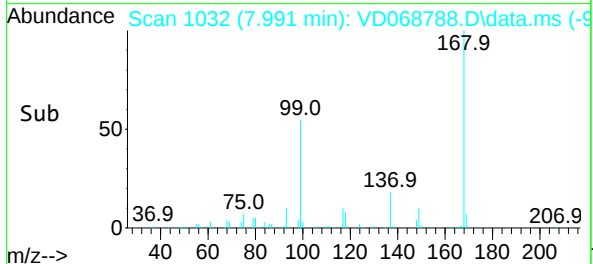
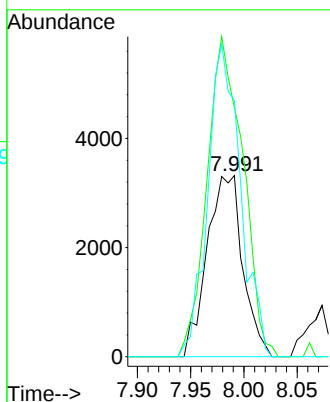


#31  
Cyclohexane  
Concen: 1.10 ug/l  
RT: 7.991 min Scan# 1032  
Delta R.T. 0.006 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Instrument :  
MSVOA\_D  
ClientSampled :

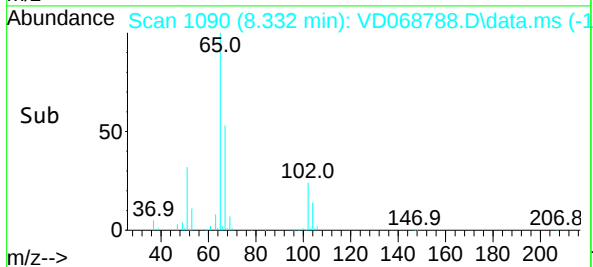
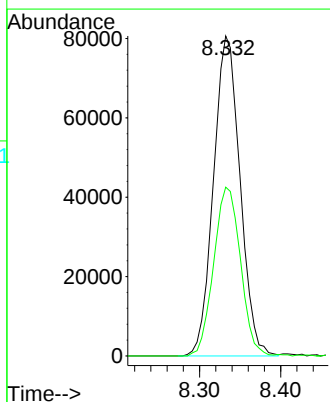
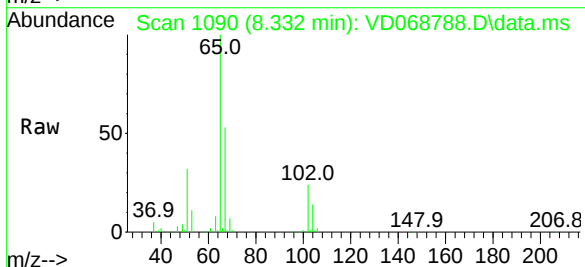


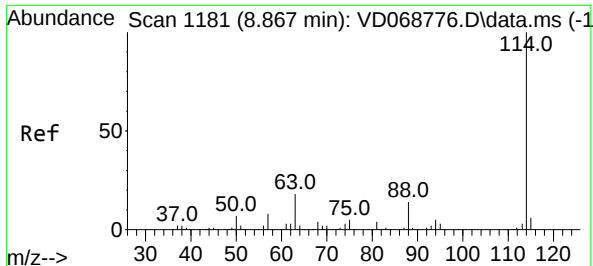
Tgt Ion: 56 Resp: 7734  
Ion Ratio Lower Upper  
56 100  
69 137.5 30.0 45.0#  
84 141.4 82.0 123.0#



#33  
1,2-Dichloroethane-d4  
Concen: 43.24 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Tgt Ion: 65 Resp: 183269  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 106.0

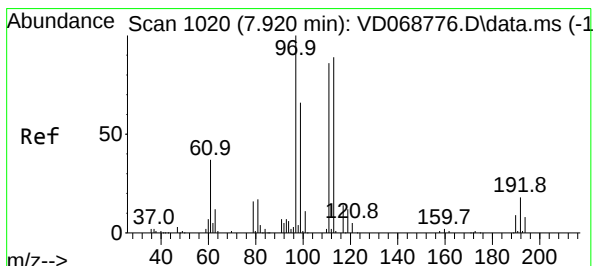
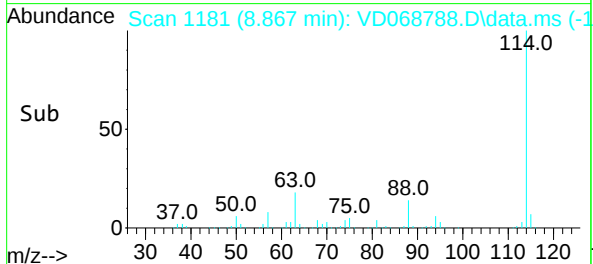
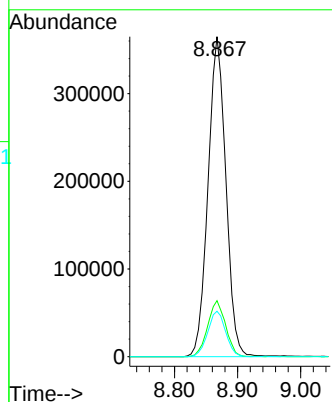
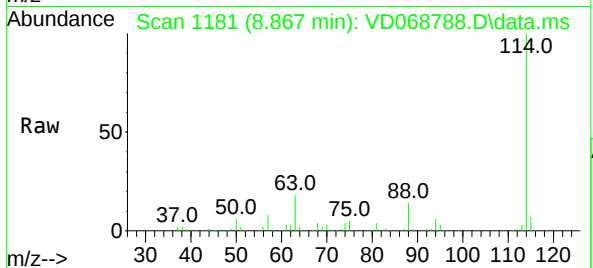




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

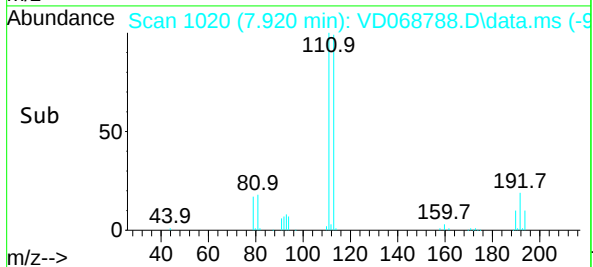
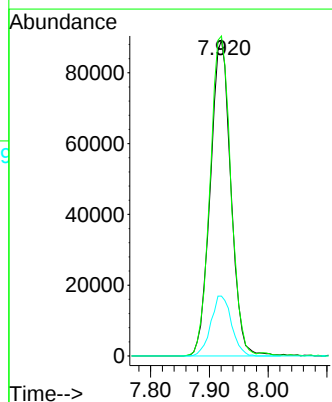
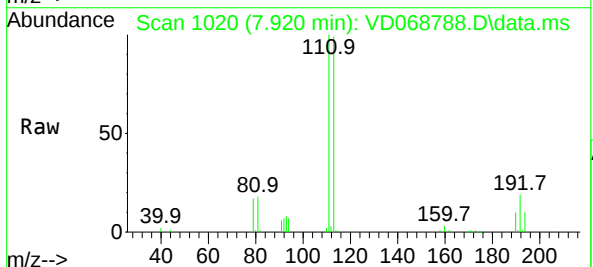
Instrument :  
MSVOA\_D  
ClientSampled :

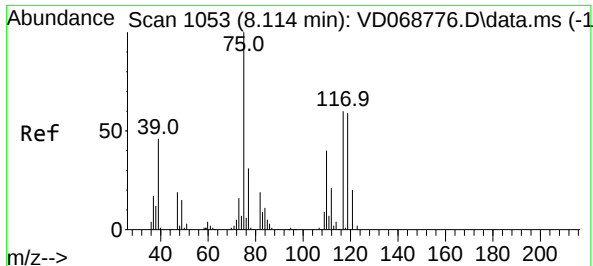
Tgt Ion:114 Resp: 715452  
Ion Ratio Lower Upper  
114 100  
63 17.5 0.0 38.2  
88 14.2 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 46.46 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Tgt Ion:113 Resp: 216189  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.5 123.7  
192 19.1 15.1 22.7

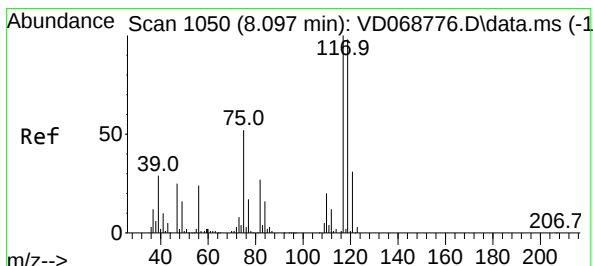
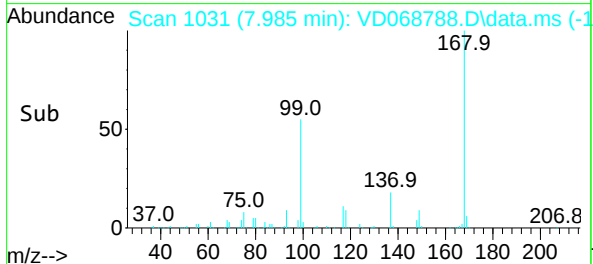
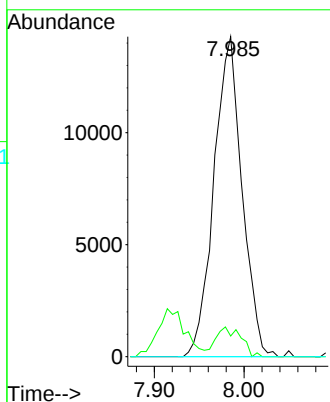
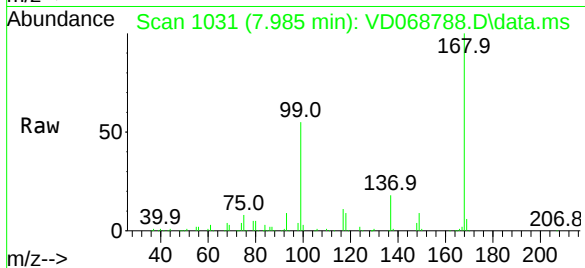




#36  
1,1-Dichloropropene  
Concen: 4.29 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.129 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

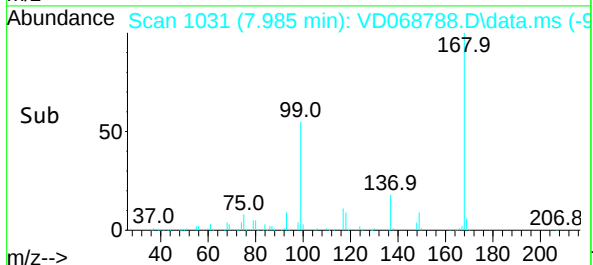
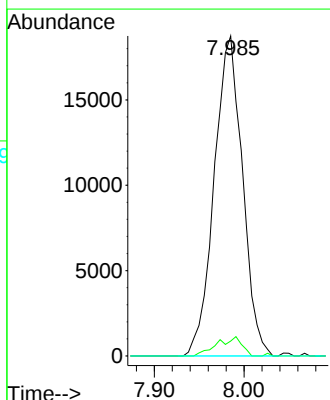
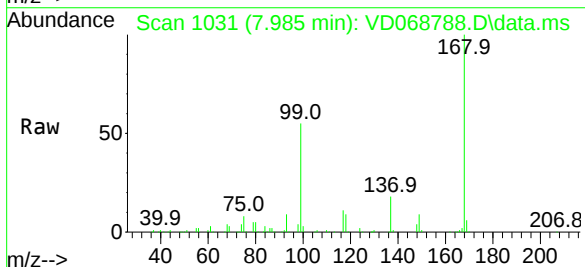
Instrument :  
MSVOA\_D  
ClientSampled :

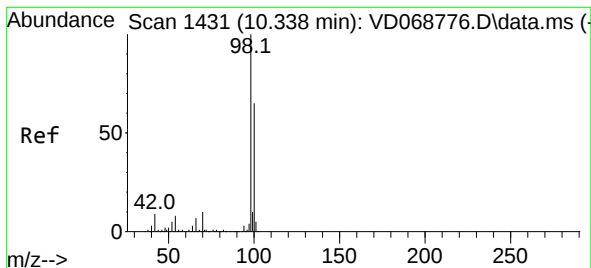
Tgt Ion: 75 Resp: 31046  
Ion Ratio Lower Upper  
75 100  
110 8.3 18.1 54.4#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 5.72 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.112 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Tgt Ion: 117 Resp: 41037  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.6 115.0#  
121 0.0 26.1 39.1#

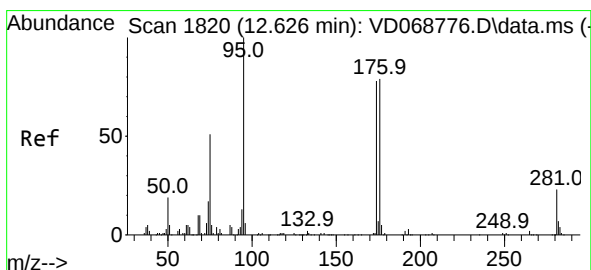
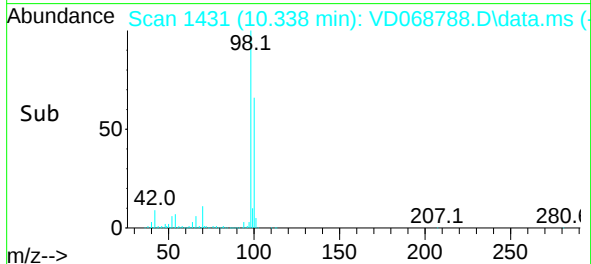
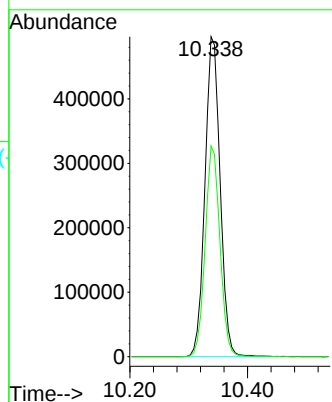
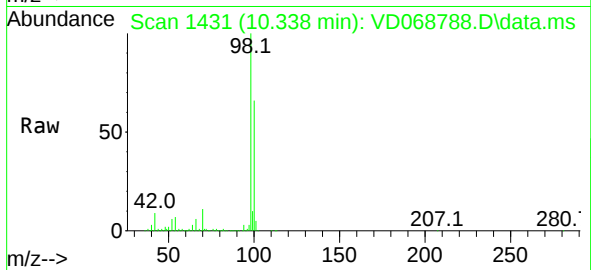




#50  
Toluene-d8  
Concen: 50.56 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

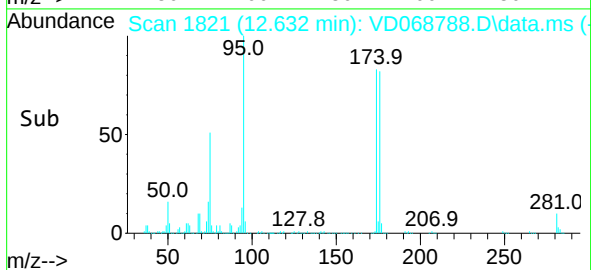
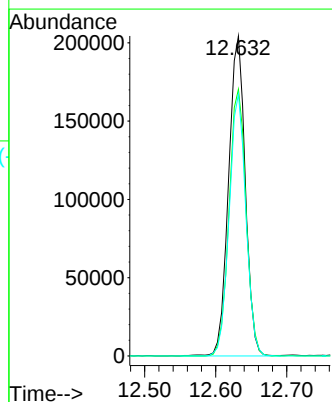
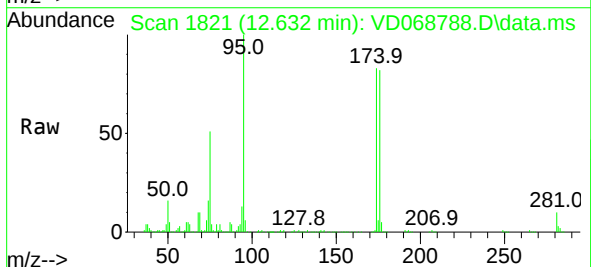
Instrument :  
MSVOA\_D  
ClientSampled :

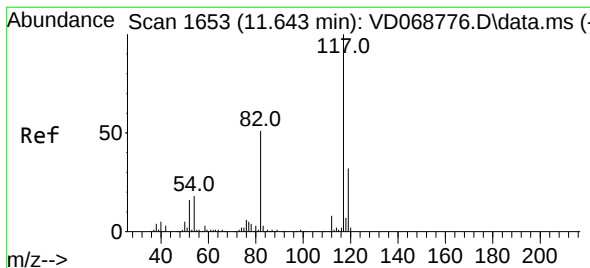
Tgt Ion: 98 Resp: 887521  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 57.25 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Tgt Ion: 95 Resp: 333811  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 168.0  
176 81.5 0.0 160.2

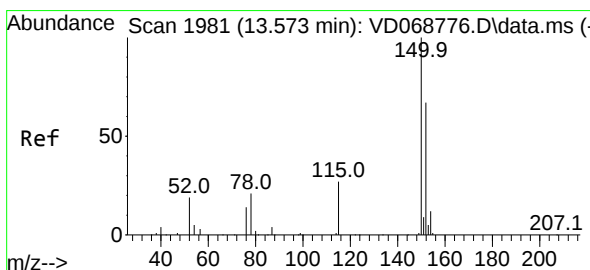
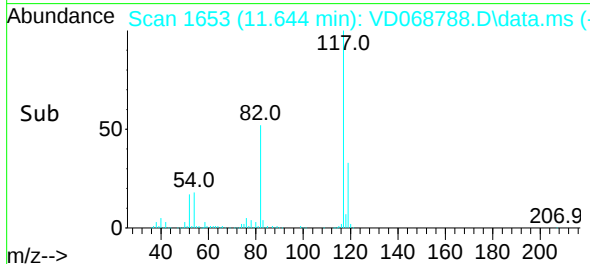
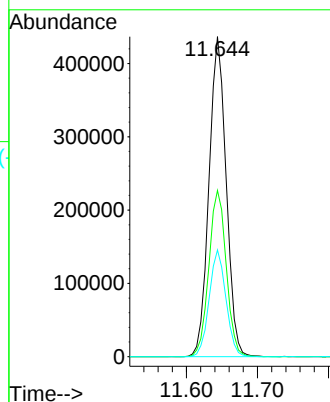
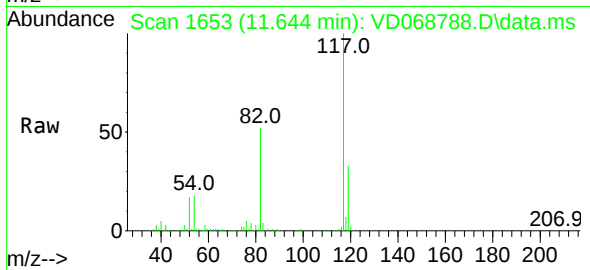




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

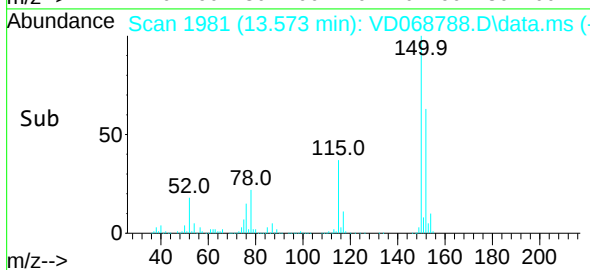
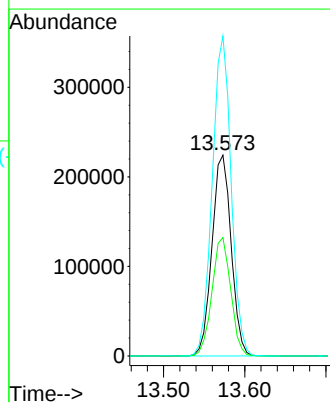
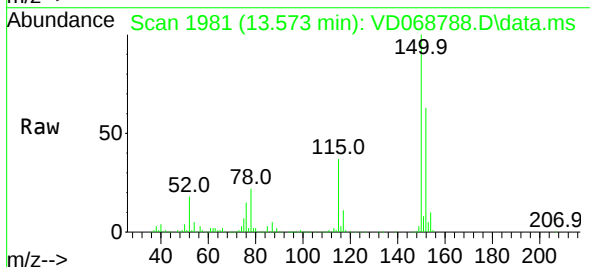
Instrument :  
MSVOA\_D  
ClientSampleId :

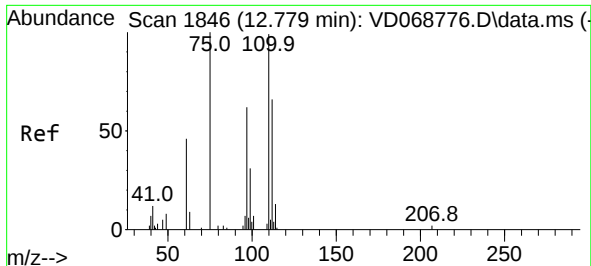
Tgt Ion:117 Resp: 734101  
Ion Ratio Lower Upper  
117 100  
82 51.9 43.5 65.3  
119 33.3 26.7 40.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Tgt Ion:152 Resp: 368358  
Ion Ratio Lower Upper  
152 100  
115 57.5 29.3 87.8  
150 156.2 0.0 347.6

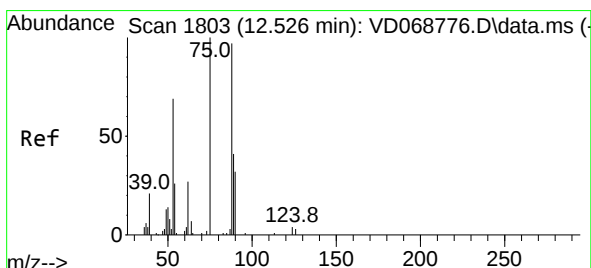
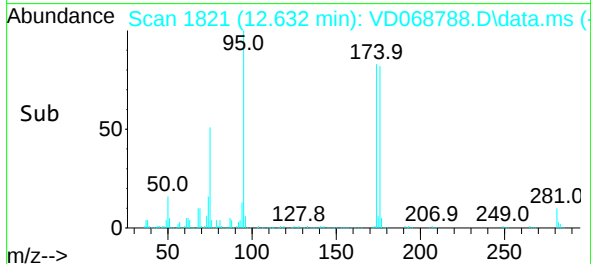
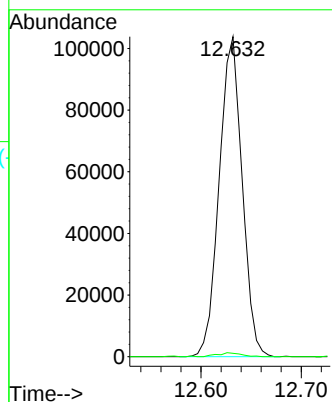
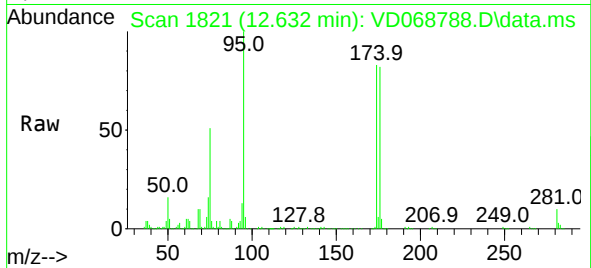




#76  
1,2,3-Trichloropropane  
Concen: 48.94 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.147 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Instrument :  
MSVOA\_D  
ClientSampled :

Tgt Ion: 75 Resp: 164689  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 113.57 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068788.D  
Acq: 08 Apr 2021 14:44

Tgt Ion: 75 Resp: 164689  
Ion Ratio Lower Upper  
75 100  
53 0.2 66.8 100.2#  
89 0.2 36.6 54.8#

