

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041621\  
 Data File : VD068881.D  
 Acq On : 16 Apr 2021 17:47  
 Operator : VA/SY  
 Sample : M2040-05RE  
 Misc : 5.68G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FILL-B-3

Quant Time: Apr 16 23:51:30 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  | 283207   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 485222   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 547278   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 288182   | 50.00 | ug/l  | 0.00     |

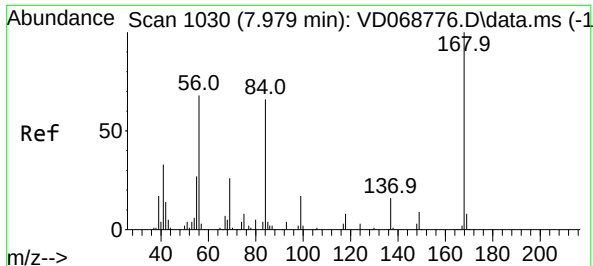
|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 134645   | 44.99    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.98%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 152991   | 48.48    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.96%  |
| 50) Toluene-d8              | 10.338 | 98    | 609494   | 51.19    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 102.38% |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 263032   | 66.52    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 133.04% |

| Target Compounds              |        |     |        |        | Qvalue |     |
|-------------------------------|--------|-----|--------|--------|--------|-----|
| 16) Acetone                   | 4.179  | 43  | 587    | 1.42   | ug/l # | 40  |
| 20) Methylene Chloride        | 4.962  | 84  | 13516  | Below  | Cal    | 90  |
| 31) Cyclohexane               | 7.979  | 56  | 5276   | 1.06   | ug/l # | 25  |
| 36) 1,1-Dichloropropene       | 7.979  | 75  | 20637  | 4.20   | ug/l # | 48  |
| 38) Carbon Tetrachloride      | 7.979  | 117 | 26673  | 5.49   | ug/l # | 18  |
| 51) 4-Methyl-2-Pentanone      | 10.338 | 43  | 1817   | 1.23   | ug/l # | 1   |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75  | 131515 | 49.95  | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75  | 131515 | 115.93 | ug/l # | 17  |
| 86) p-Isopropyltoluene        | 13.455 | 119 | 24587  | 1.28   | ug/l   | 97  |
| 90) Hexachloroethane          | 14.108 | 117 | 6932   | 1.81   | ug/l # | 14  |

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

Quant Time: Apr 16 23:51:30 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

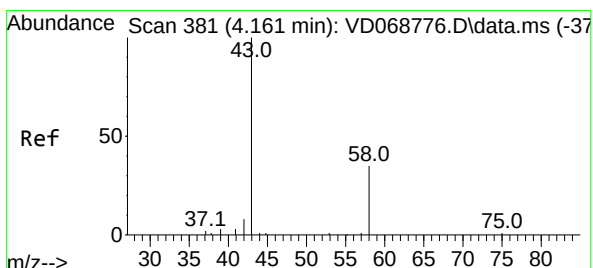
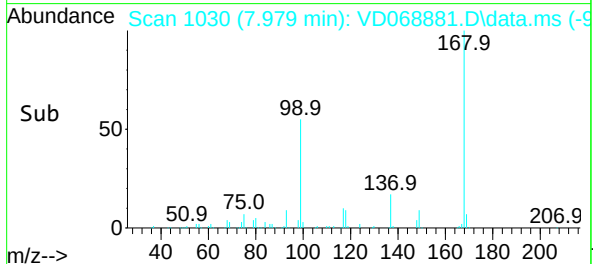
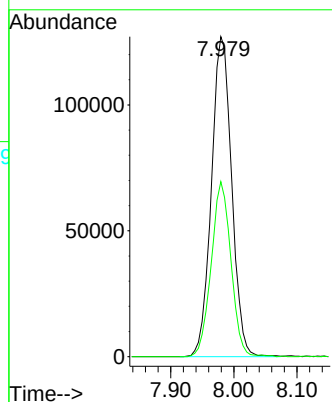
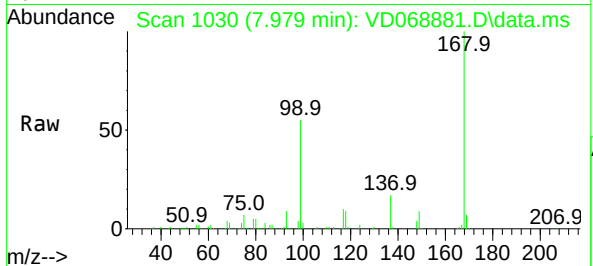




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

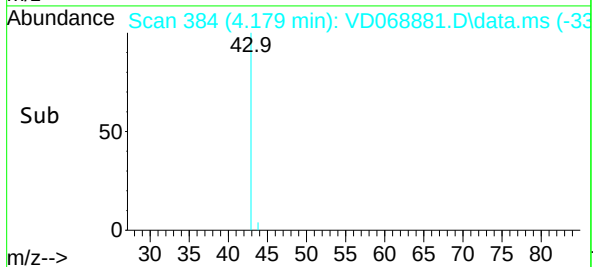
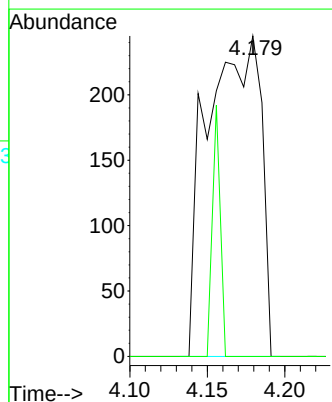
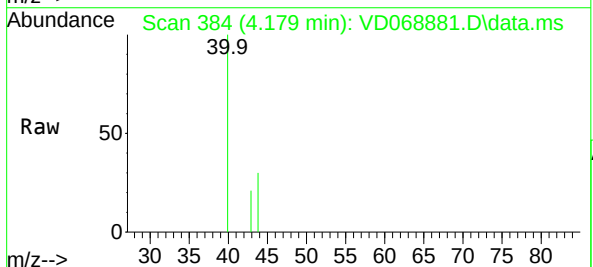
Instrument :  
MSVOA\_D  
ClientSampleId :  
FILL-B-3

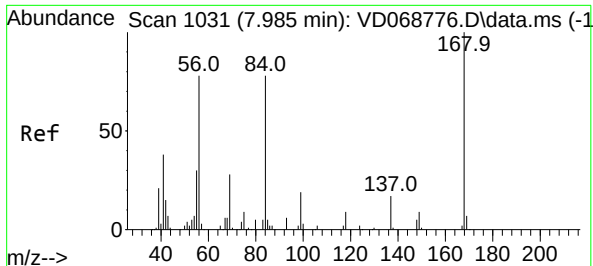
Tgt Ion:168 Resp: 283207  
Ion Ratio Lower Upper  
168 100  
99 54.7 46.2 69.2



#16  
Acetone  
Concen: 1.42 ug/l  
RT: 4.179 min Scan# 384  
Delta R.T. 0.018 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Tgt Ion: 43 Resp: 587  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.0 42.0#





#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.979 min Scan# 1030

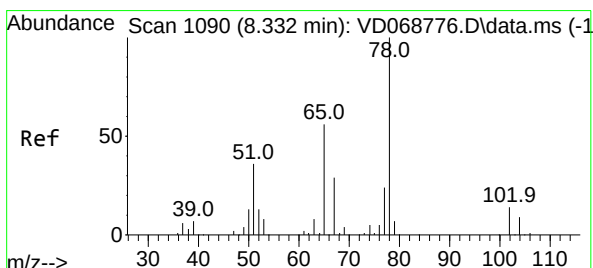
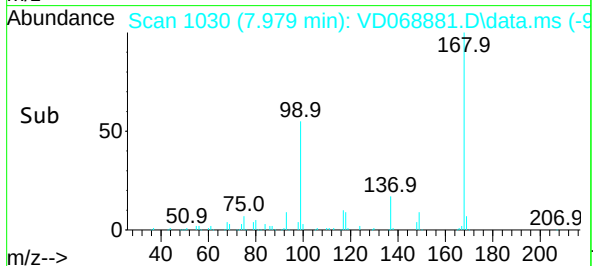
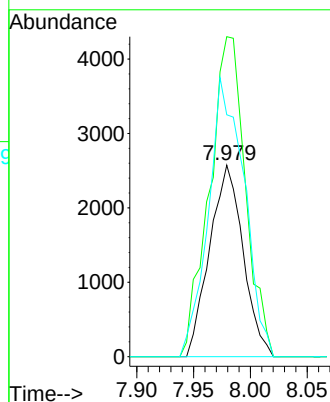
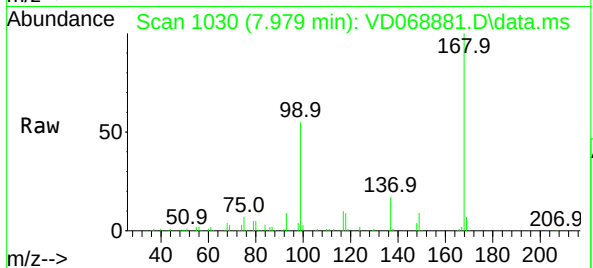
Delta R.T. -0.006 min

Lab File: VD068881.D

Acq: 16 Apr 2021 17:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5276   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 167.1 | 30.0  | 45.0#  |
| 84       | 126.3 | 82.0  | 123.0# |

Instrument :  
MSVOA\_D  
ClientSampleId :  
FILL-B-3



#33

1,2-Dichloroethane-d4

Concen: 44.99 ug/l

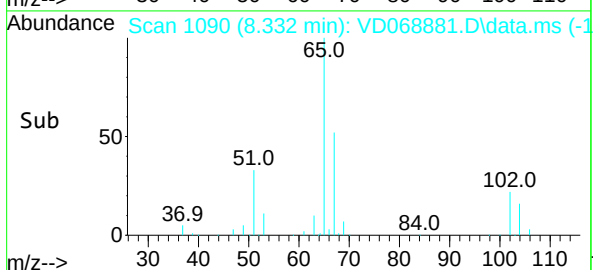
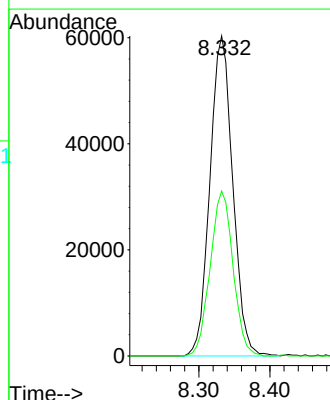
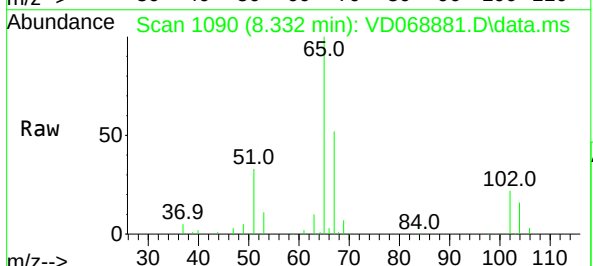
RT: 8.332 min Scan# 1090

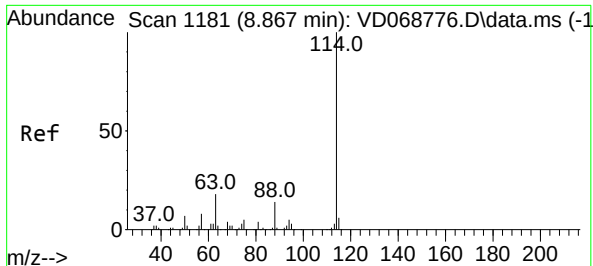
Delta R.T. 0.000 min

Lab File: VD068881.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 134645 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.5  | 0.0   | 106.0  |



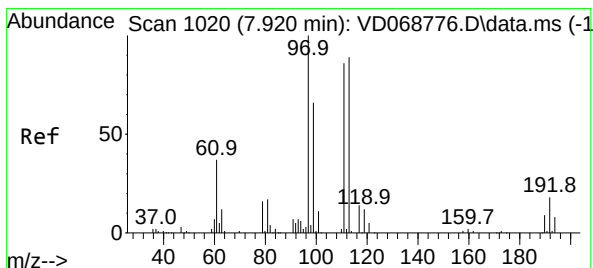
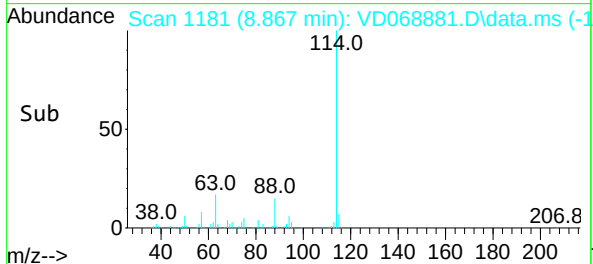
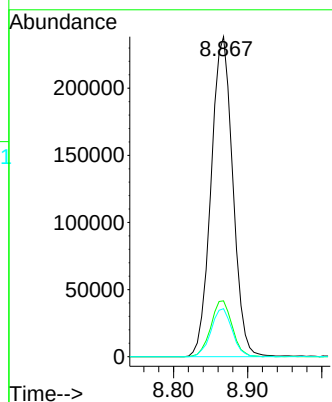
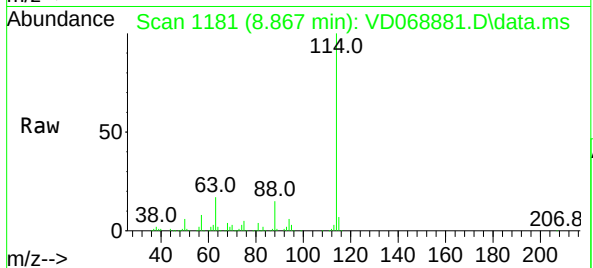


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Instrument :  
MSVOA\_D  
ClientSampled :  
FILL-B-3

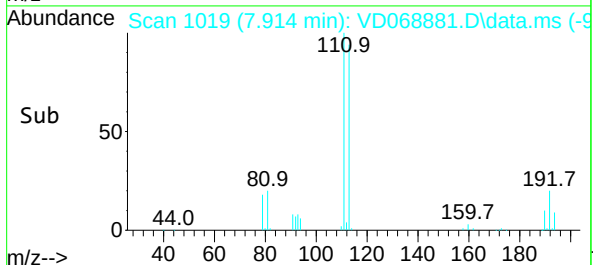
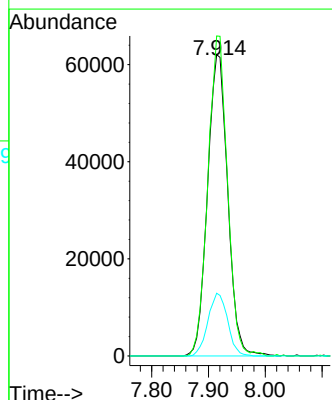
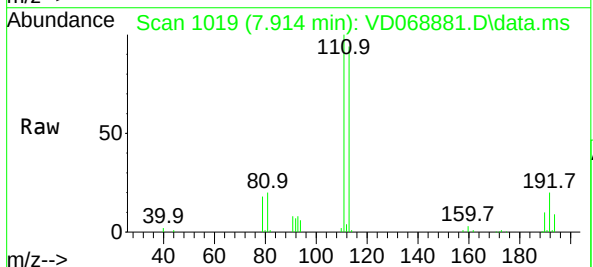
Tgt Ion:114 Resp: 485222  
Ion Ratio Lower Upper  
114 100  
63 17.5 0.0 38.2  
88 15.0 0.0 29.4

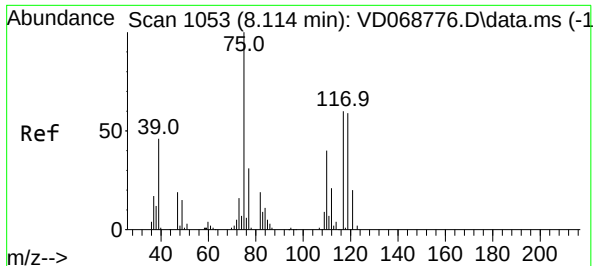


#35

Dibromofluoromethane  
Concen: 48.48 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Tgt Ion:113 Resp: 152991  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.5 123.7  
192 20.2 15.1 22.7

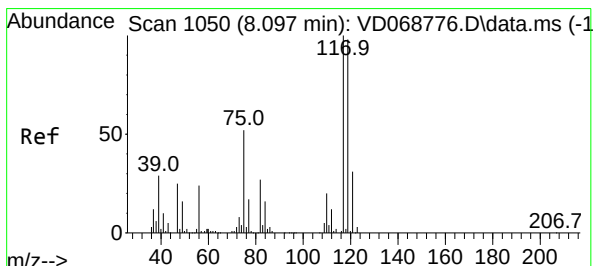
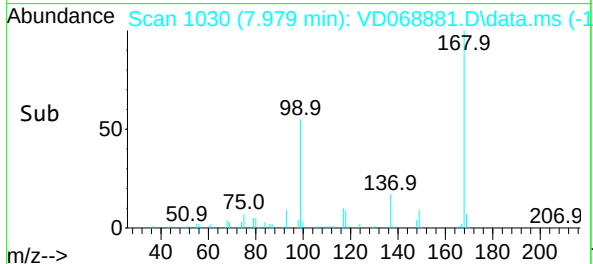
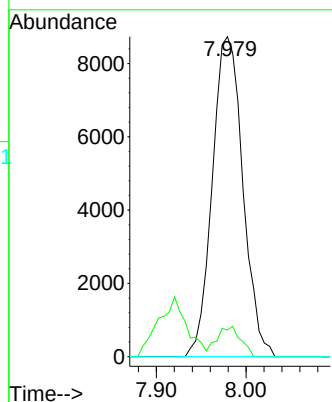
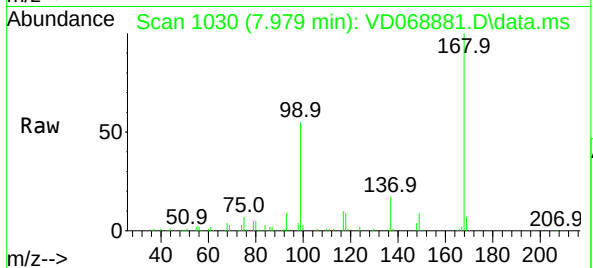




#36  
1,1-Dichloropropene  
Concen: 4.20 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.135 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

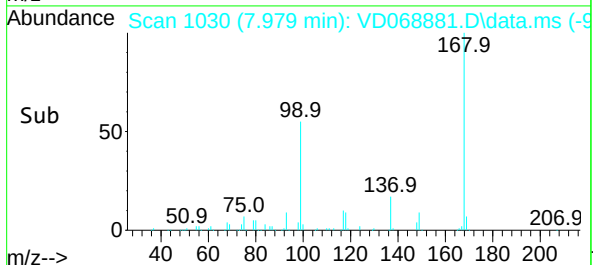
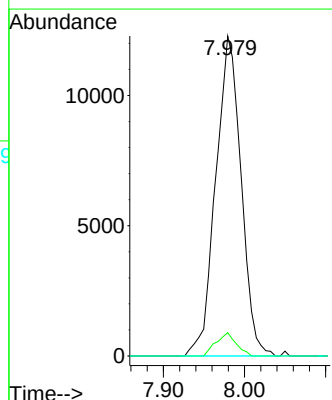
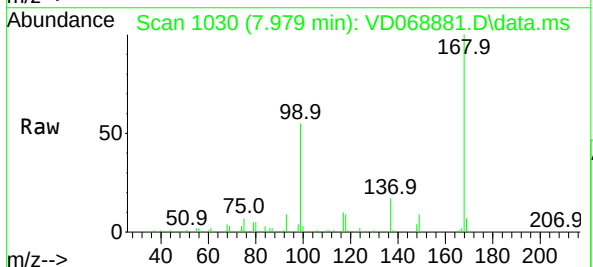
Instrument :  
MSVOA\_D  
ClientSampled :  
FILL-B-3

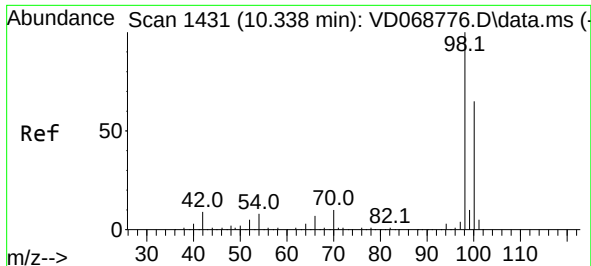
Tgt Ion: 75 Resp: 20637  
Ion Ratio Lower Upper  
75 100  
110 7.4 18.1 54.4#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 5.49 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.118 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Tgt Ion: 117 Resp: 26673  
Ion Ratio Lower Upper  
117 100  
119 7.3 76.6 115.0#  
121 0.0 26.1 39.1#

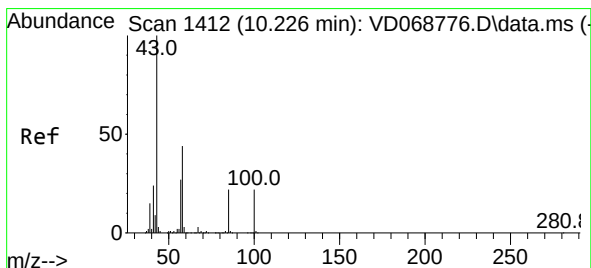
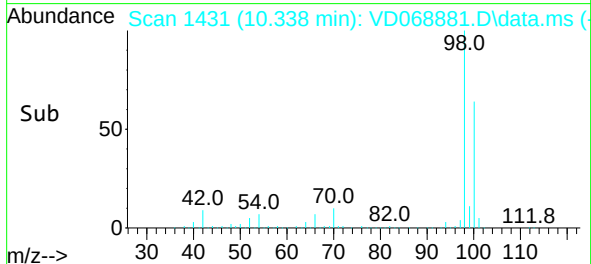
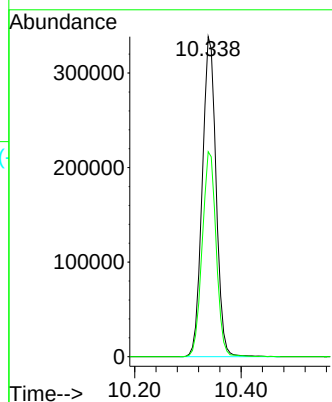
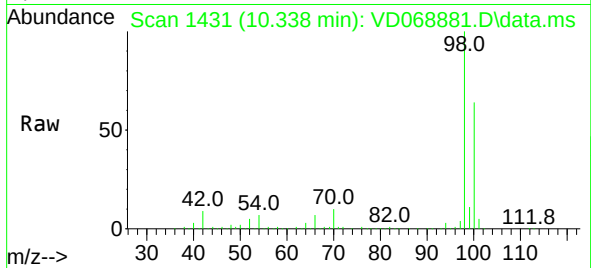




#50  
Toluene-d8  
Concen: 51.19 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

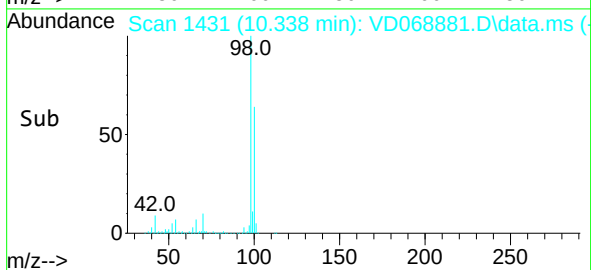
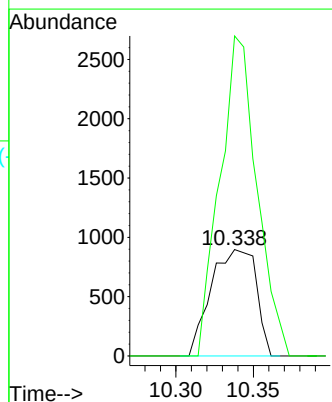
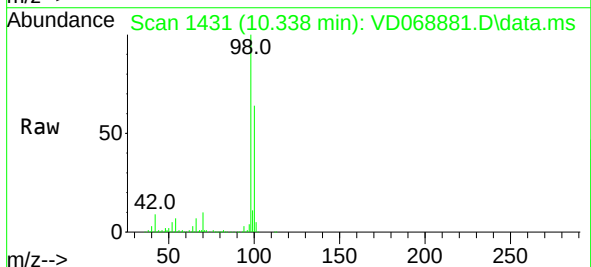
Instrument :  
MSVOA\_D  
ClientSampleId :  
FILL-B-3

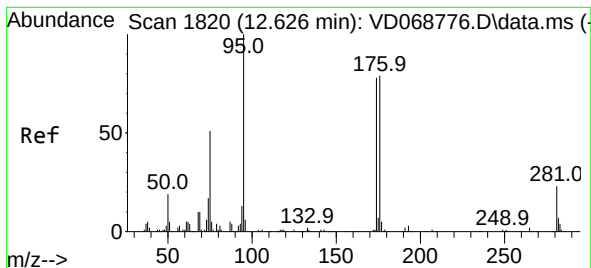
Tgt Ion: 98 Resp: 609494  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 1.23 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.112 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Tgt Ion: 43 Resp: 1817  
Ion Ratio Lower Upper  
43 100  
58 246.9 37.3 55.9#

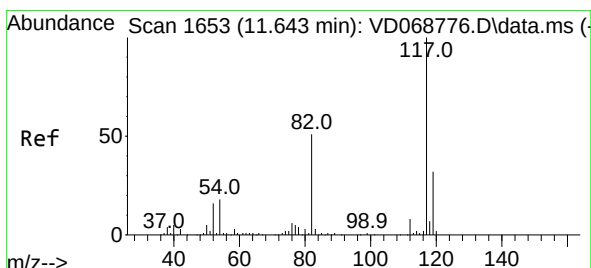
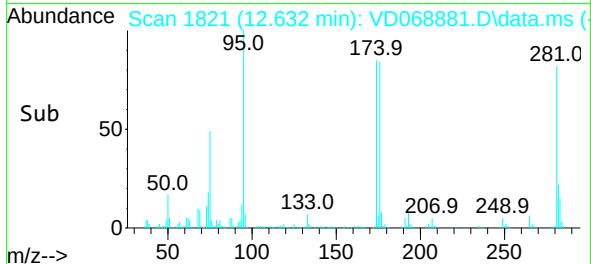
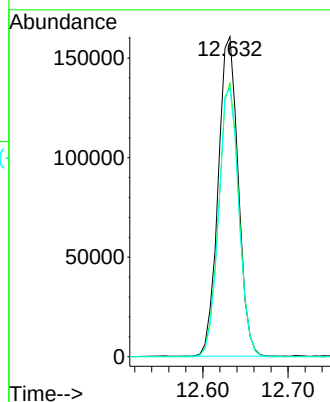
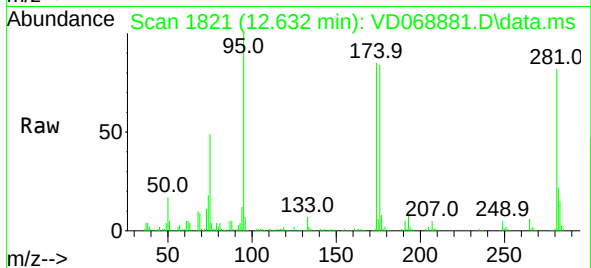




#62  
4-Bromofluorobenzene  
Concen: 66.52 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

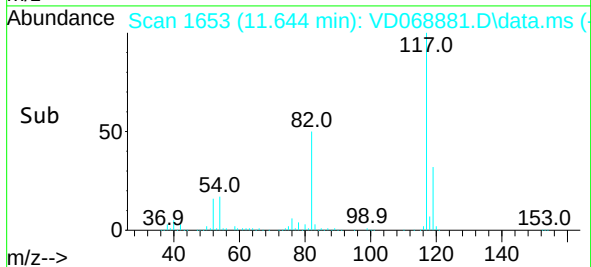
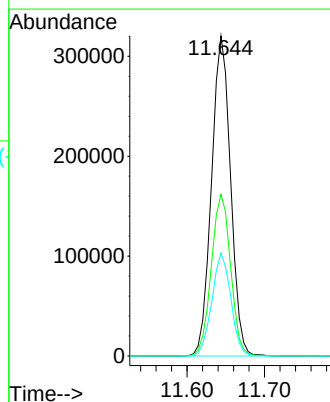
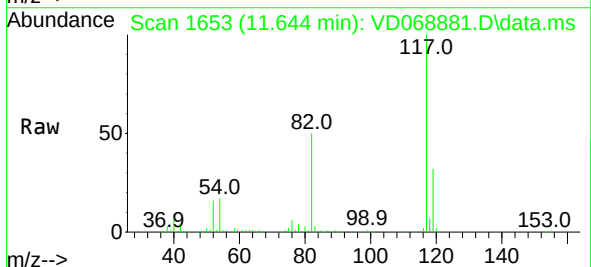
Instrument :  
MSVOA\_D  
ClientSampleId :  
FILL-B-3

Tgt Ion: 95 Resp: 263032  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 168.0  
176 84.5 0.0 160.2

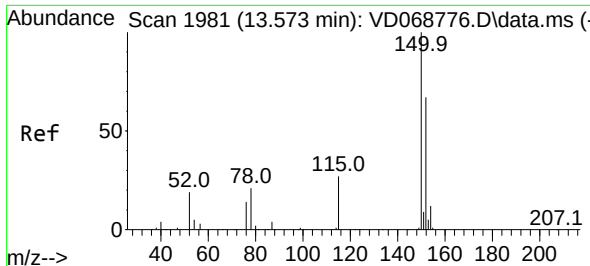


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.001 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Tgt Ion: 117 Resp: 547278  
Ion Ratio Lower Upper  
117 100  
82 50.5 43.5 65.3  
119 32.2 26.7 40.1



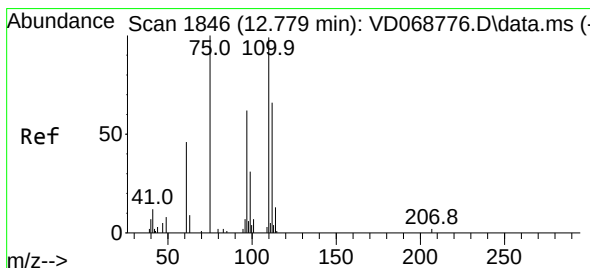
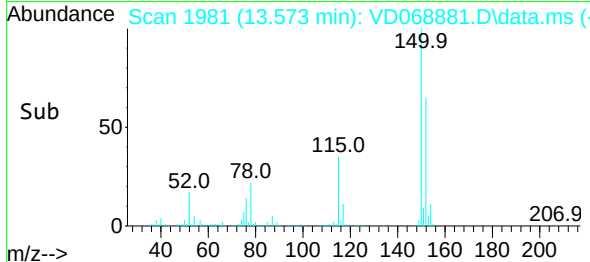
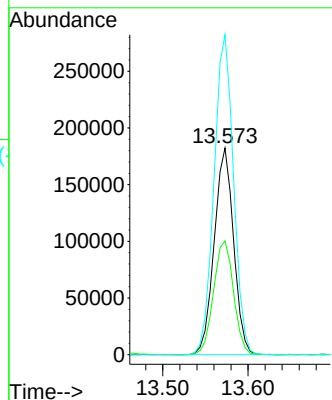
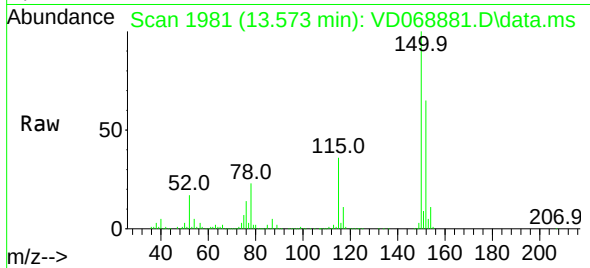




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.573 min Scan# 1981  
 Delta R.T. -0.000 min  
 Lab File: VD068881.D  
 Acq: 16 Apr 2021 17:47

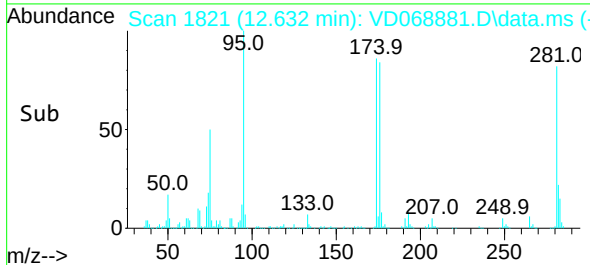
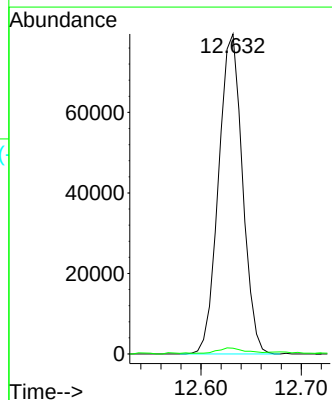
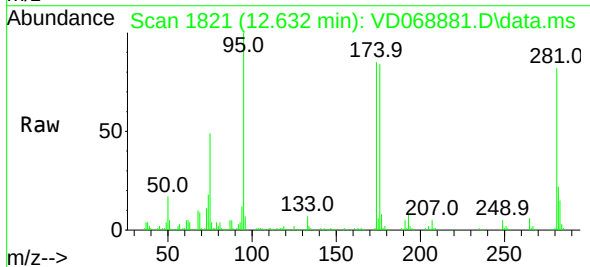
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FILL-B-3

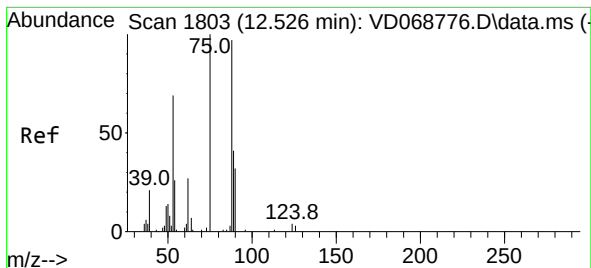
Tgt Ion:152 Resp: 288182  
 Ion Ratio Lower Upper  
 152 100  
 115 56.7 29.3 87.8  
 150 155.7 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 49.95 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. -0.147 min  
 Lab File: VD068881.D  
 Acq: 16 Apr 2021 17:47

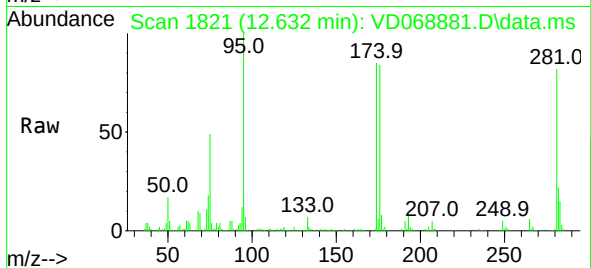
Tgt Ion: 75 Resp: 131515  
 Ion Ratio Lower Upper  
 75 100  
 77 2.0 0.0 0.0#



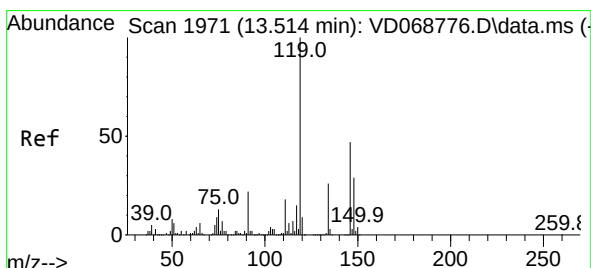
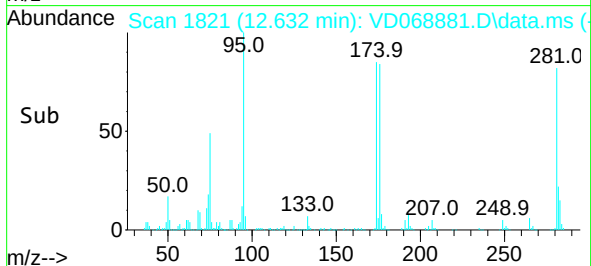
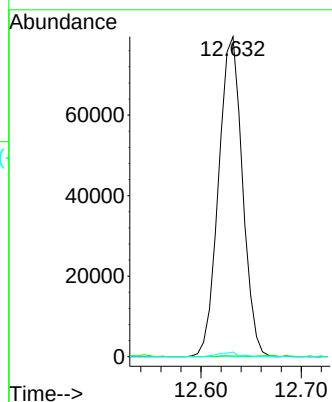


#81  
trans-1,4-Dichloro-2-butene  
Concen: 115.93 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.106 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Instrument :  
MSVOA\_D  
ClientSampled :  
FILL-B-3

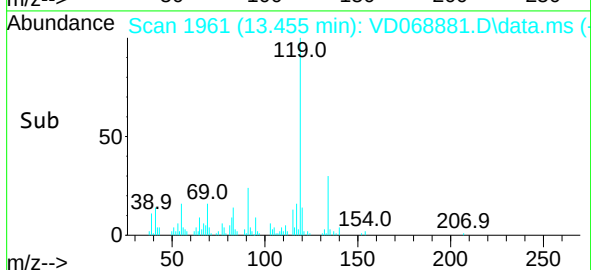
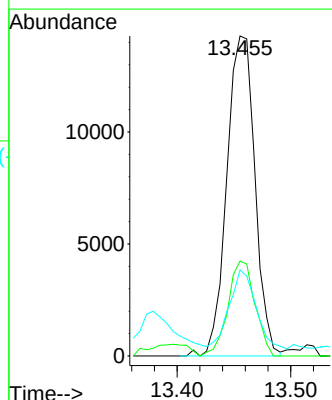
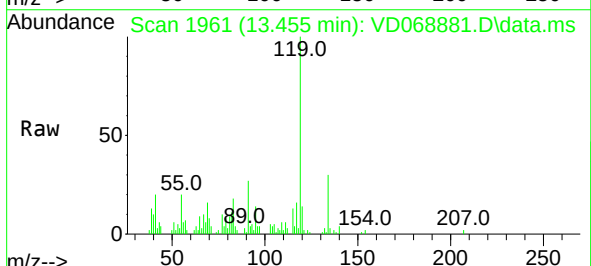


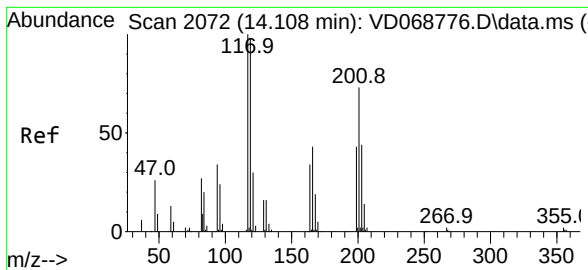
Tgt Ion: 75 Resp: 131515  
Ion Ratio Lower Upper  
75 100  
53 0.3 66.8 100.2#  
89 1.2 36.6 54.8#



#86  
p-Isopropyltoluene  
Concen: 1.28 ug/l  
RT: 13.455 min Scan# 1961  
Delta R.T. -0.059 min  
Lab File: VD068881.D  
Acq: 16 Apr 2021 17:47

Tgt Ion: 119 Resp: 24587  
Ion Ratio Lower Upper  
119 100  
134 28.4 13.3 39.9  
91 23.6 11.1 33.1





#90  
 Hexachloroethane  
 Concen: 1.81 ug/l  
 RT: 14.108 min Scan# 2072  
 Delta R.T. 0.000 min  
 Lab File: VD068881.D  
 Acq: 16 Apr 2021 17:47

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FILL-B-3

Tgt Ion:117 Resp: 6932  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 35.4 106.2#

