

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\  
 Data File : VD065897.D  
 Acq On : 29 Jun 2020 20:05  
 Operator : VA/SY  
 Sample : L3153-25  
 Misc : 6.90G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP2-F

Quant Time: Jun 30 04:14:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D062620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 26 19:16:07 2020  
 Response via : Initial Calibration

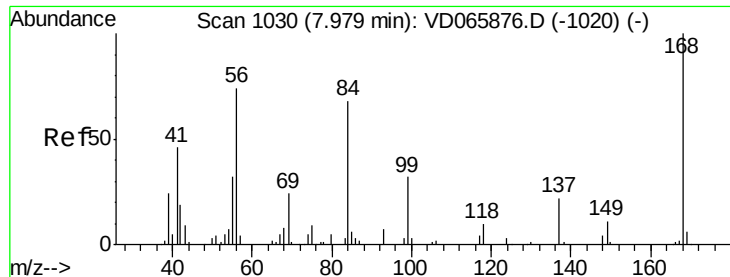
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 125751   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 212582   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 174131   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 60046    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 62897    | 48.14  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 96.28%  |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 66507    | 50.61  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.22% |          |
| 50) Toluene-d8              | 10.34 | 98   | 224942   | 45.51  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 91.02%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 59064    | 36.48  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 72.96%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone                    | 4.16  | 43   | 292      | 1.141   | ug/l # | 51     |
| 20) Methylene Chloride         | 4.97  | 84   | 15302    | 6.774   | ug/l # | 83     |
| 31) Cyclohexane                | 7.97  | 56   | 3523     | 1.505   | ug/l # | 54     |
| 36) 1,1-Dichloropropene        | 7.97  | 75   | 10713    | 5.168   | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.98  | 117  | 13654    | 6.100   | ug/l # | 16     |
| 51) 4-Methyl-2-Pentanone       | 10.34 | 43   | 1023     | 1.292   | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 32448    | 61.757  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75   | 32448    | 132.676 | ug/l # | 9      |

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062920\  
Data File : VD065897.D  
Acq On    : 29 Jun 2020   20:05  
Operator  : VA/SY  
Sample    : L3153-25  
Misc      : 6.90G/5.00ml/MSVOA D/SOIL  
ALS Vial  : 18      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065897.D

Acq: 29 Jun 2020 20:05

Instrument :

MSVOA\_D

ClientSampleId :

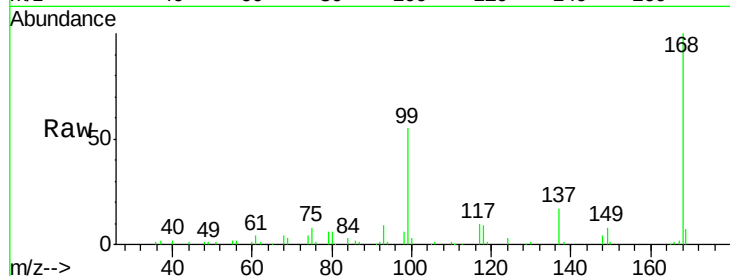
SP2-F

Tot Ion:168 Resp: 125751

Ion Ratio Lower Upper

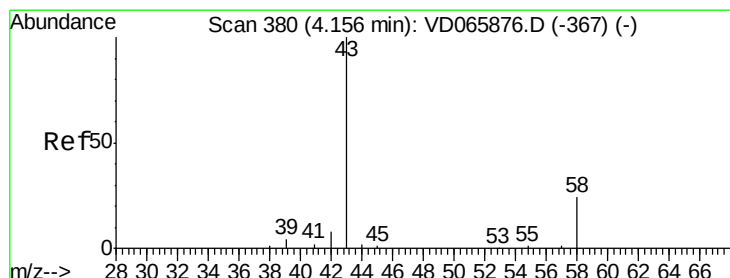
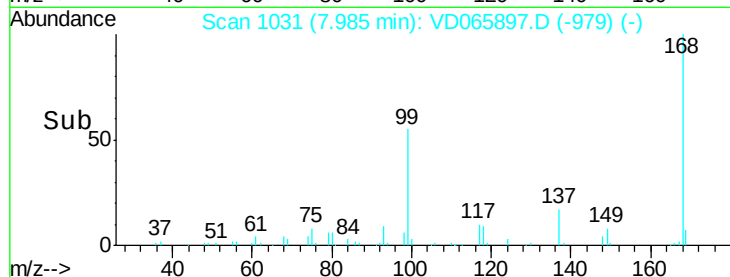
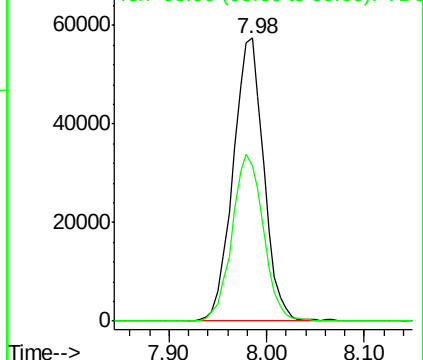
168 100

99 55.0 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 1.141 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065897.D

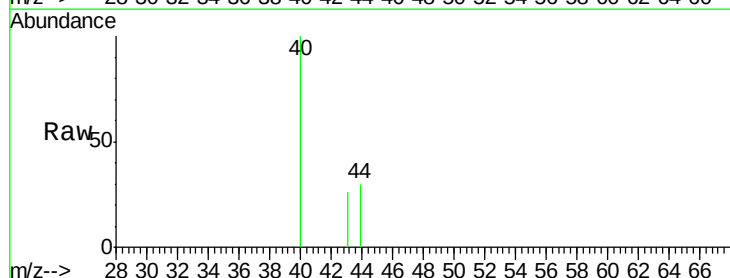
Acq: 29 Jun 2020 20:05

Tgt Ion: 43 Resp: 292

Ion Ratio Lower Upper

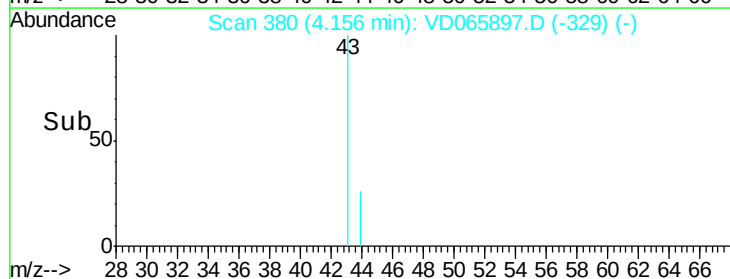
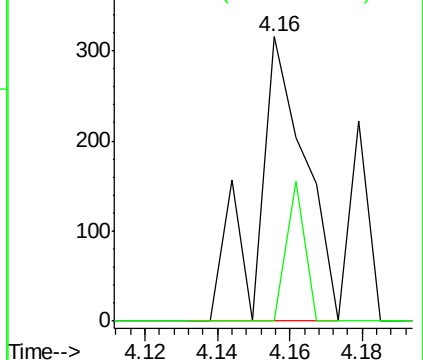
43 100

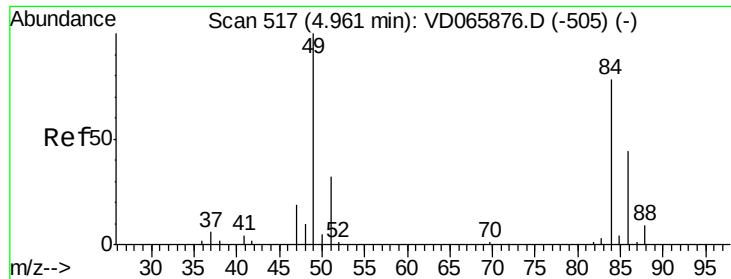
58 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

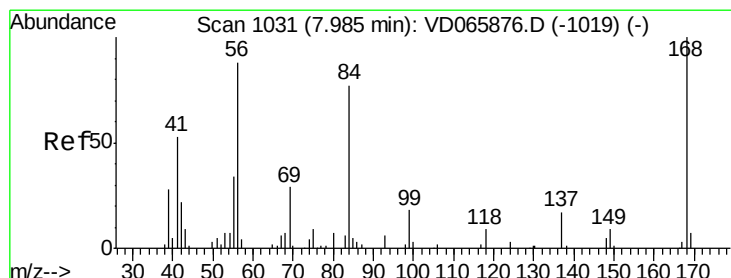
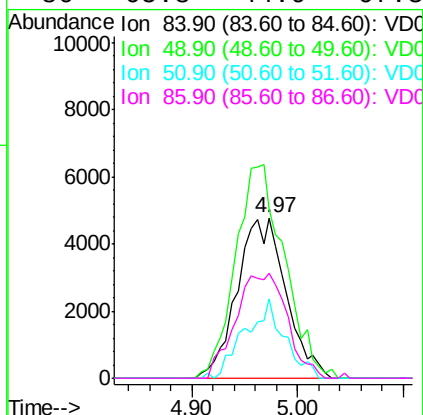
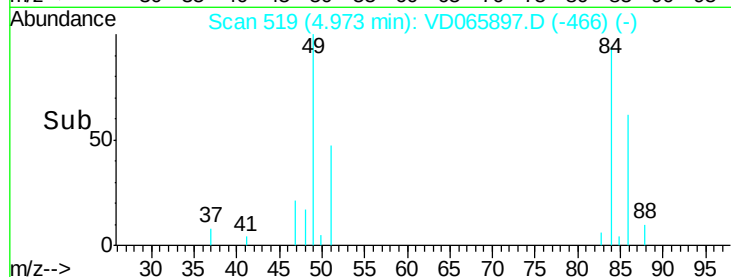
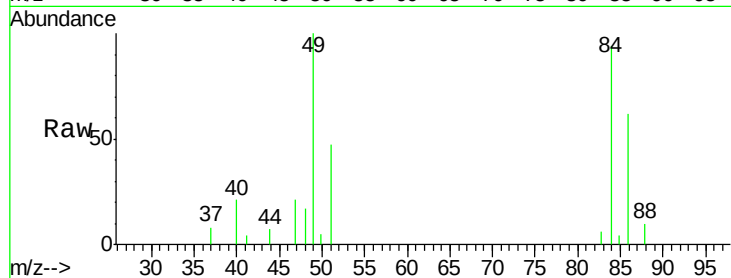




#20  
Methvlene Chloride  
Concen: 6.774 ug/l  
RT: 4.97 min Scan# 519  
Delta R.T. 0.01 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

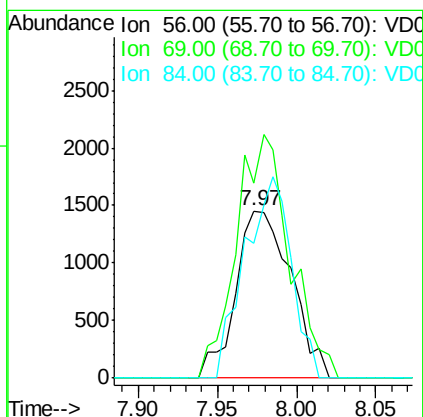
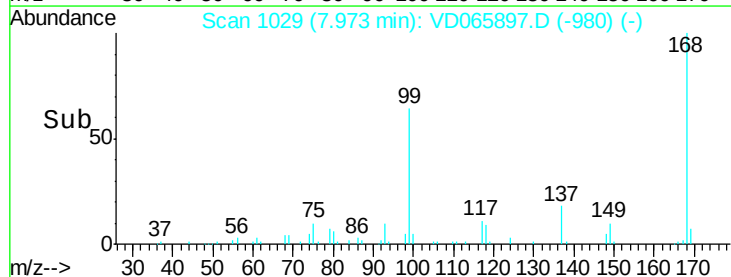
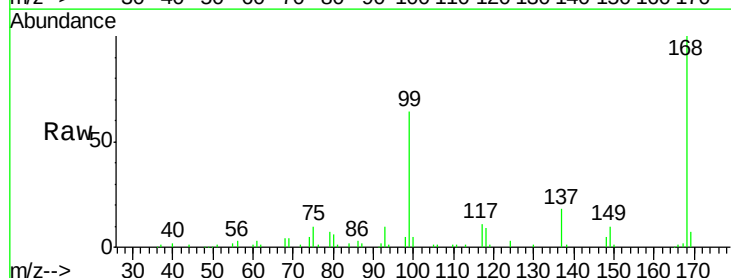
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP2-F

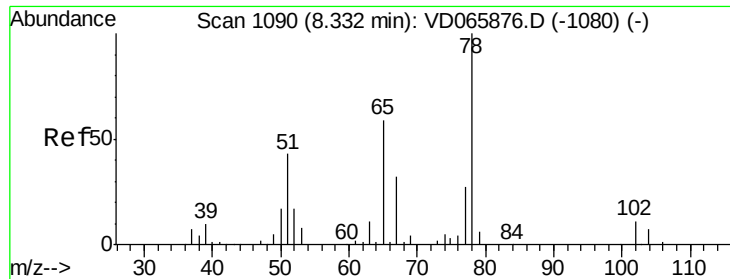
Tot Ion: 84 Resp: 15302  
Ion Ratio Lower Upper  
84 100  
49 105.9 103.0 154.6  
51 49.8 32.7 49.1#  
86 65.8 44.9 67.3



#31  
Cyclohexane  
Concen: 1.505 ug/l  
RT: 7.97 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

Tgt Ion: 56 Resp: 3523  
Ion Ratio Lower Upper  
56 100  
69 117.1 26.2 39.4#  
84 80.4 70.3 105.5

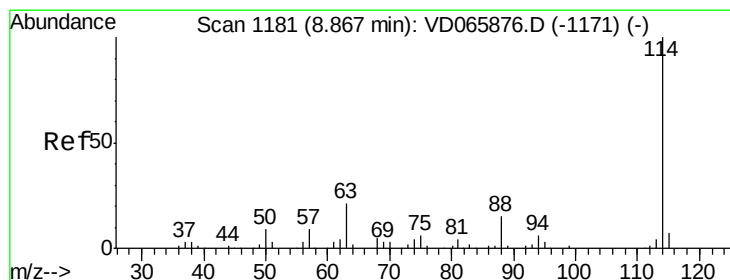
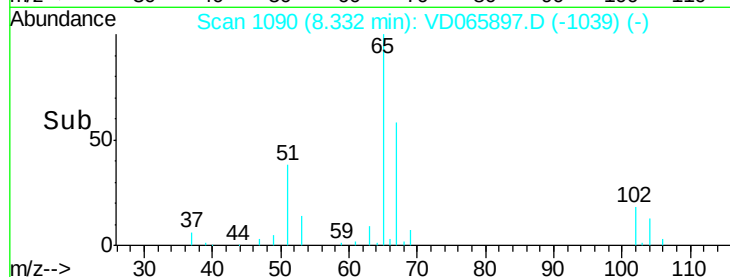
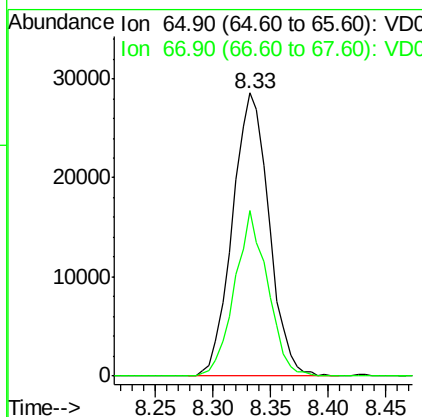
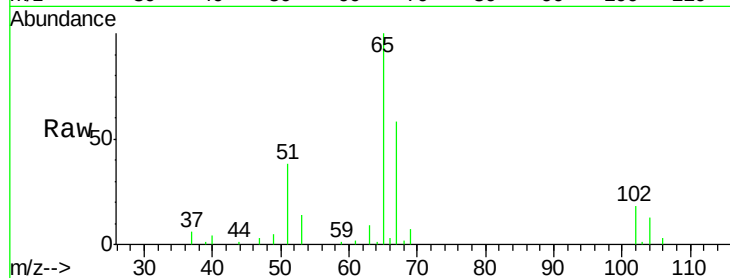




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.144 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: VD065897.D  
 Acq: 29 Jun 2020 20:05

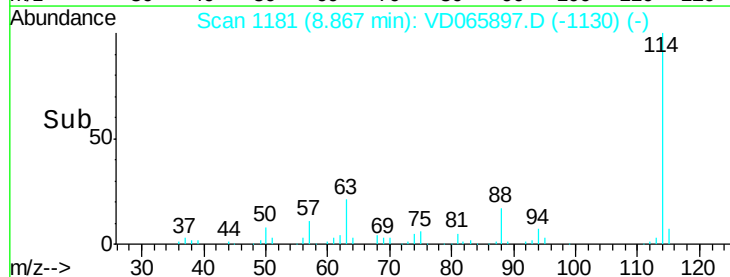
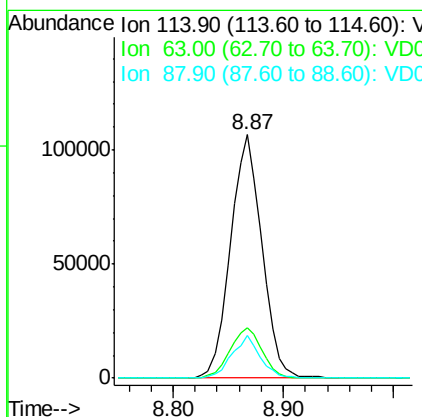
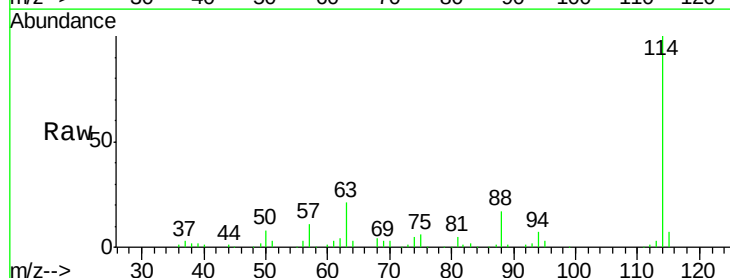
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP2-F

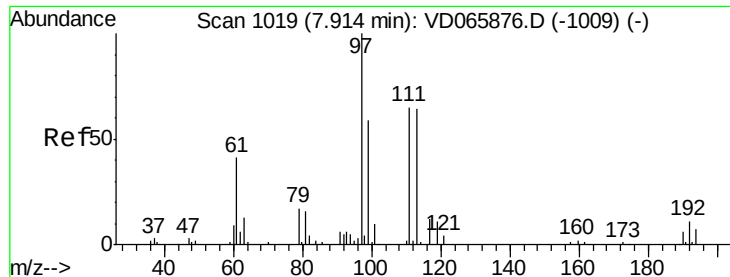
Tot Ion: 65 Resp: 62897  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD065897.D  
 Acq: 29 Jun 2020 20:05

Tgt Ion: 114 Resp: 212582  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 42.6  
 88 17.3 0.0 29.0

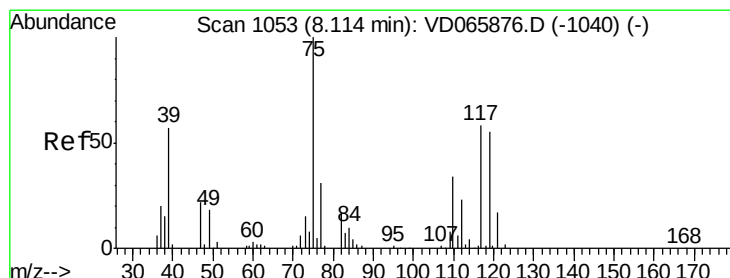
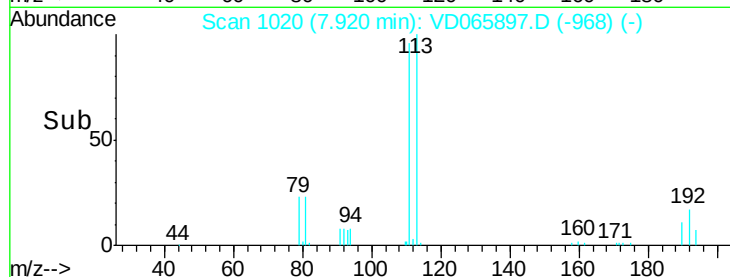
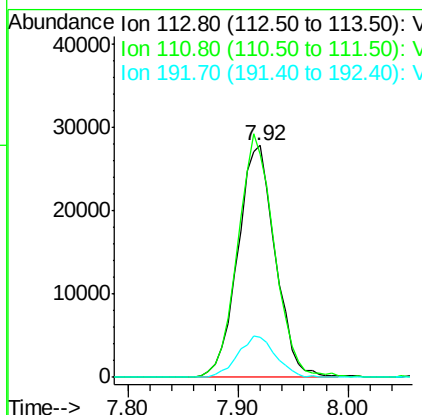
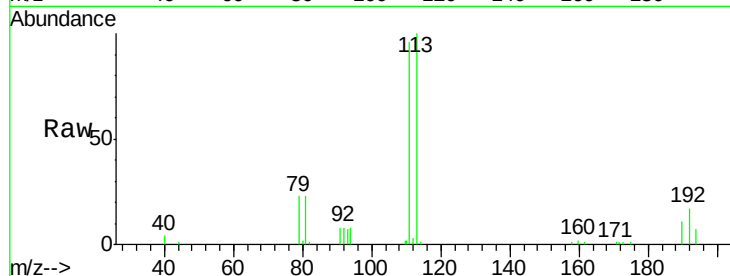




#35  
Dibromofluoromethane  
Concen: 50.615 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

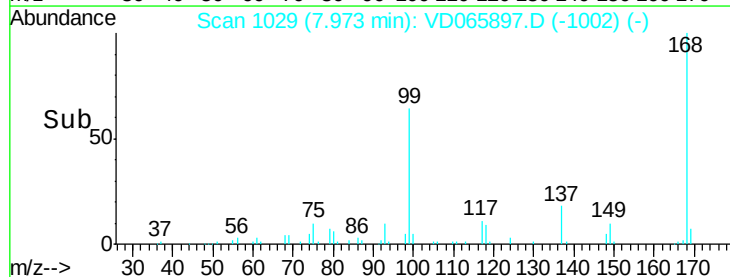
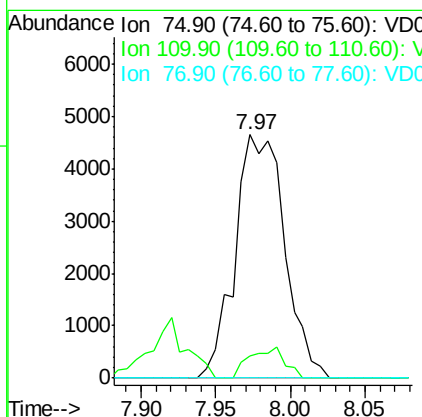
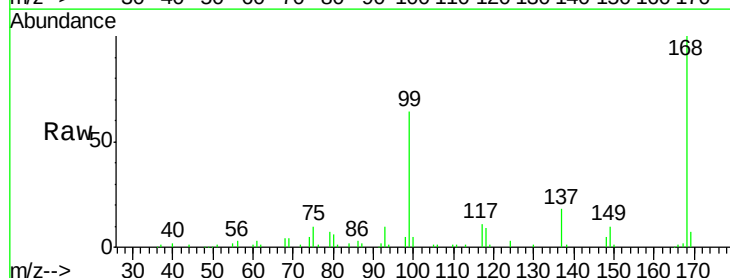
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP2-F

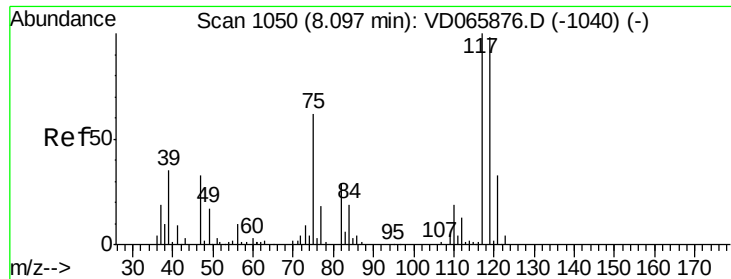
Tot Ion:113 Resp: 66507  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.0 121.6  
192 17.9 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 5.168 ug/l  
RT: 7.97 min Scan# 1029  
Delta R.T. -0.14 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

Tgt Ion: 75 Resp: 10713  
Ion Ratio Lower Upper  
75 100  
110 8.8 16.8 50.4#  
77 0.0 24.0 36.0#

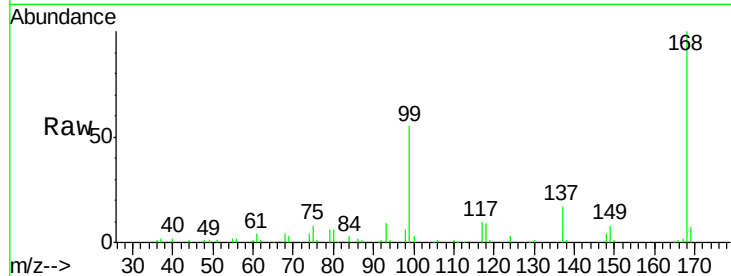




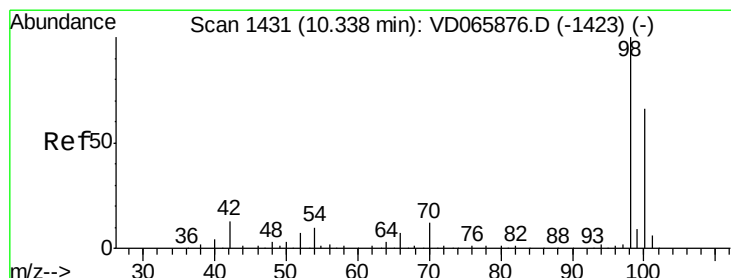
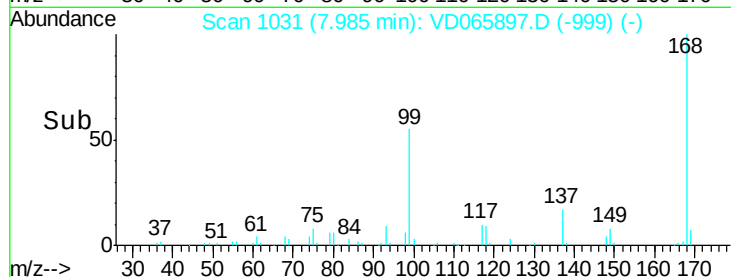
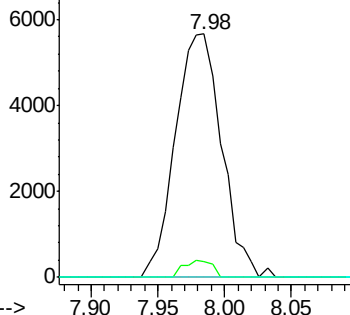
#38  
Carbon Tetrachloride  
Concen: 6.100 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.11 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
SP2-F

Tot Ion:117 Resp: 13654  
Ion Ratio Lower Upper  
117 100  
119 6.6 78.6 117.8#  
121 0.0 26.5 39.7#

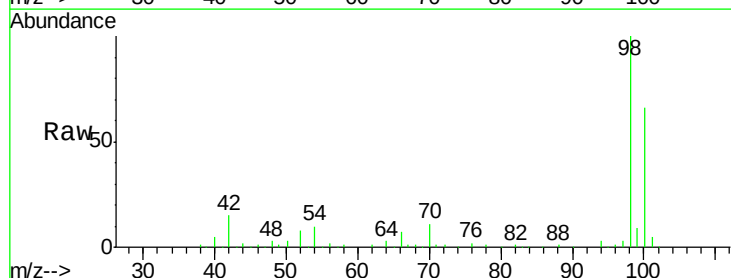


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

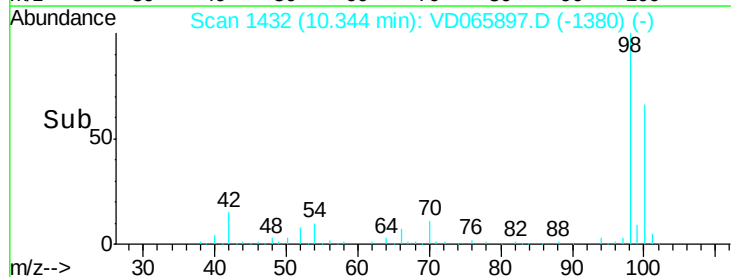
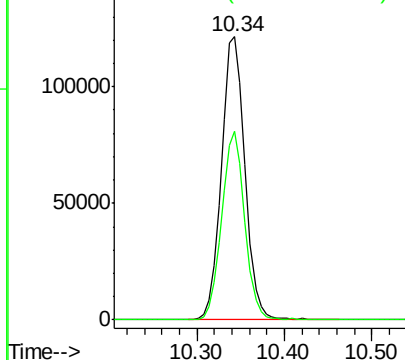


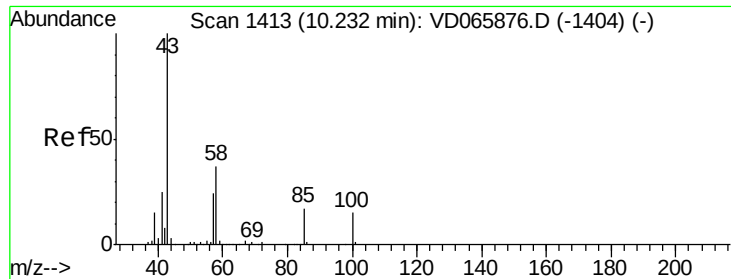
#50  
Toluene-d8  
Concen: 45.509 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

Tgt Ion: 98 Resp: 224942  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.292 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065897.D

Acq: 29 Jun 2020 20:05

Instrument :

MSVOA\_D

ClientSampled :

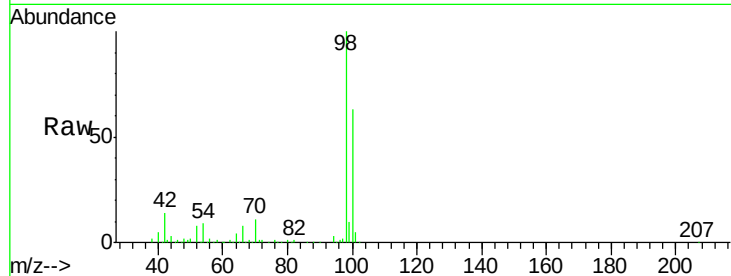
SP2-F

Tot Ion: 43 Resp: 1023

Ion Ratio Lower Upper

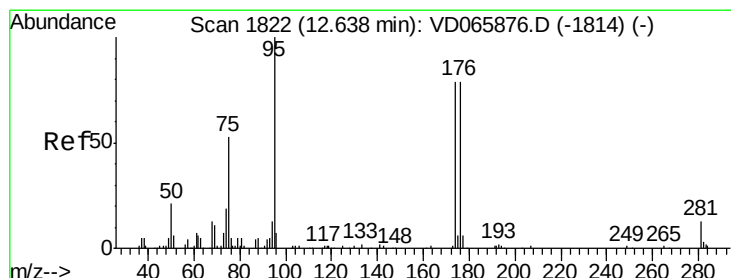
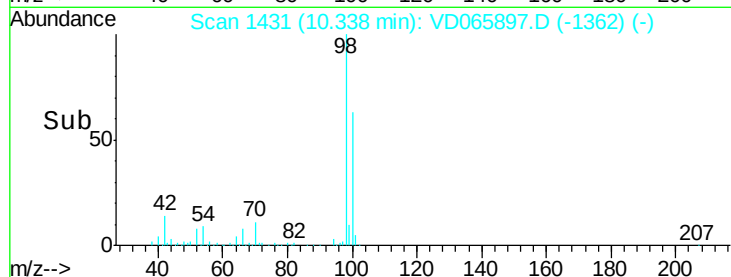
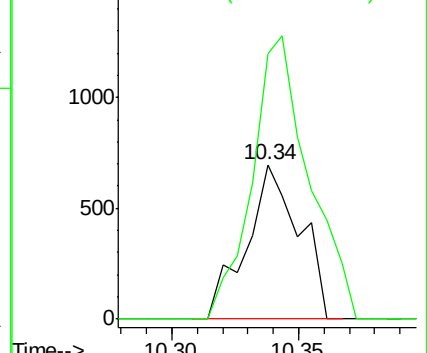
43 100

58 195.3 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 36.476 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065897.D

Acq: 29 Jun 2020 20:05

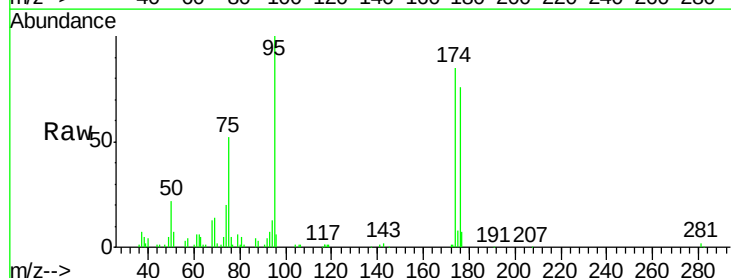
Tgt Ion: 95 Resp: 59064

Ion Ratio Lower Upper

95 100

174 82.6 0.0 158.4

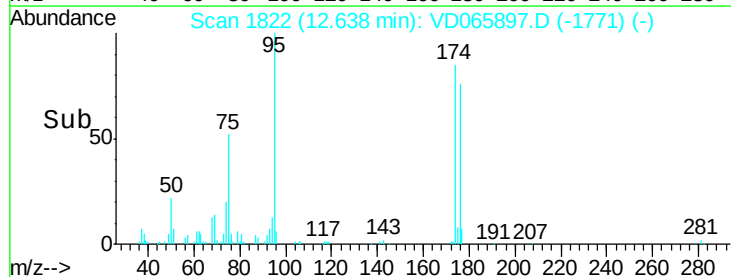
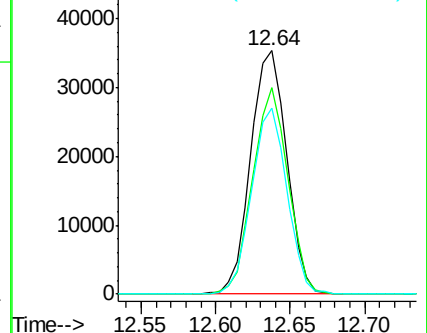
176 74.6 0.0 156.0



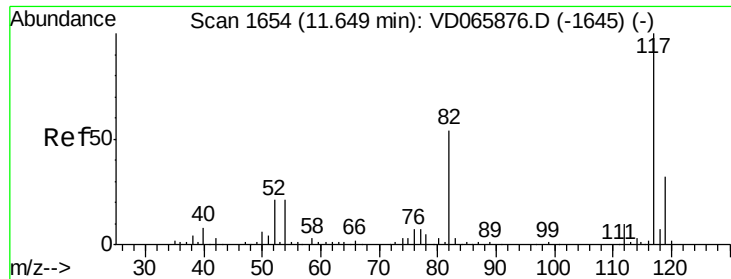
Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



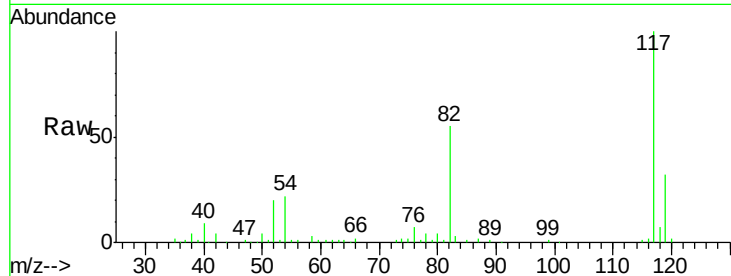




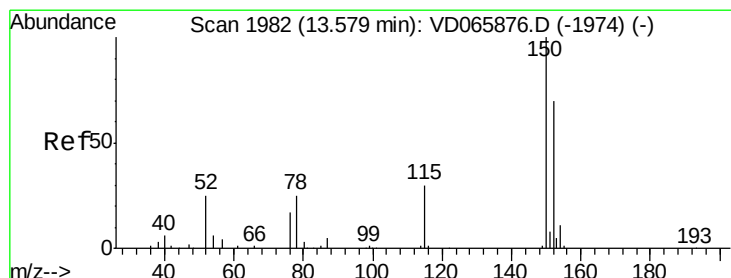
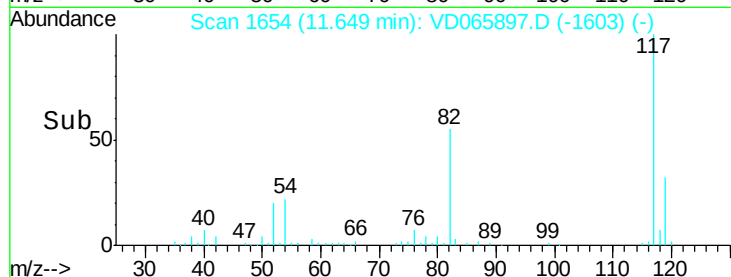
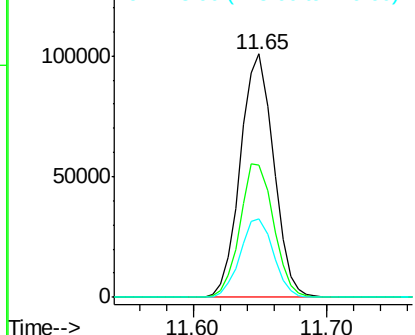
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

Instrument :  
MSVOA\_D  
ClientSampled :  
SP2-F

Tot Ion:117 Resp: 174131  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.6 65.4  
119 32.3 25.9 38.9

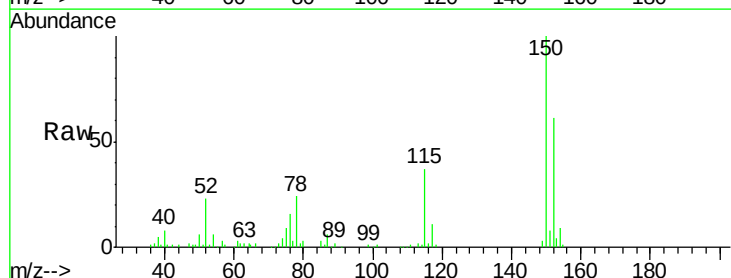


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

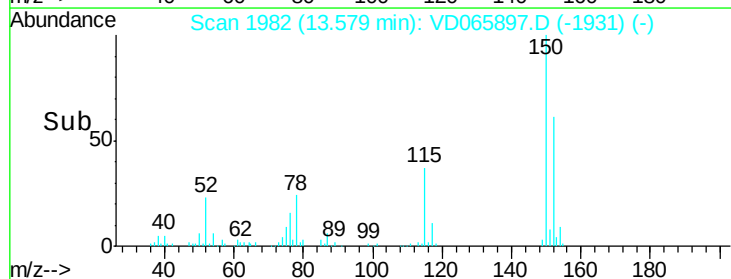
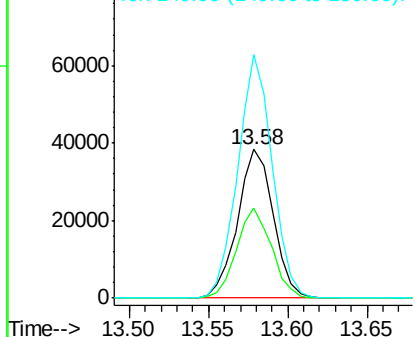


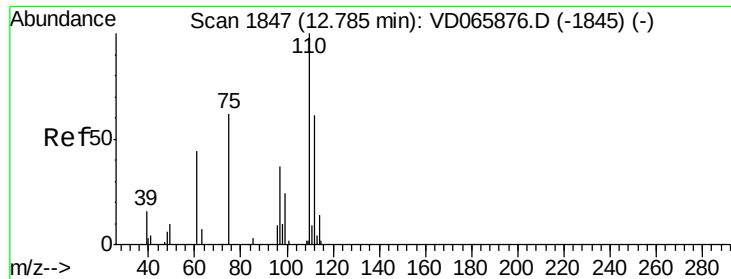
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD065897.D  
Acq: 29 Jun 2020 20:05

Tgt Ion:152 Resp: 60046  
Ion Ratio Lower Upper  
152 100  
115 58.9 29.7 89.1  
150 157.3 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

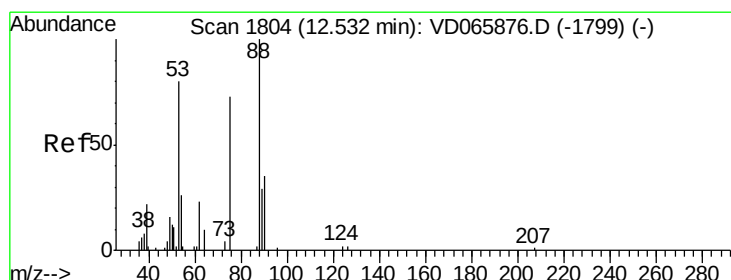
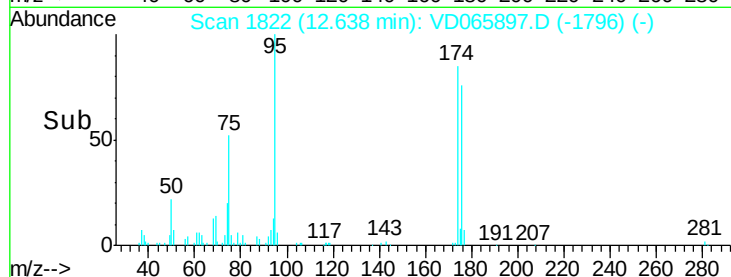
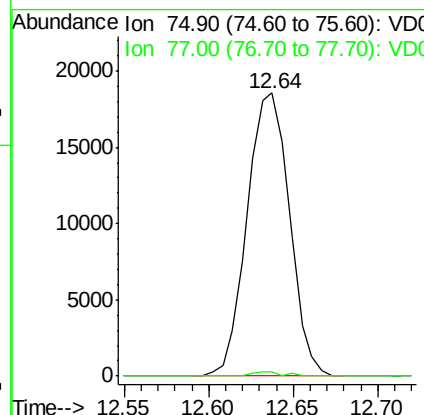
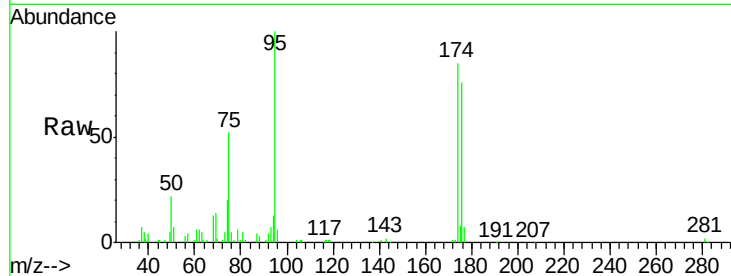




#76  
 1,2,3-Trichloropropane  
 Concen: 61.757 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.15 min  
 Lab File: VD065897.D  
 Acq: 29 Jun 2020 20:05

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP2-F

Tot Ion: 75 Resp: 32448  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 168.5 505.5#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 132.676 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.11 min  
 Lab File: VD065897.D  
 Acq: 29 Jun 2020 20:05

Tgt Ion: 75 Resp: 32448  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 80.6 121.0#  
 89 0.0 36.5 54.7#

