

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD081120\  
 Data File : VD066180.D  
 Acq On : 11 Aug 2020 11:51  
 Operator : VA/SY  
 Sample : VD0811SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0811SBL01

Quant Time: Aug 11 15:14:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:49:25 2020  
 Response via : Initial Calibration

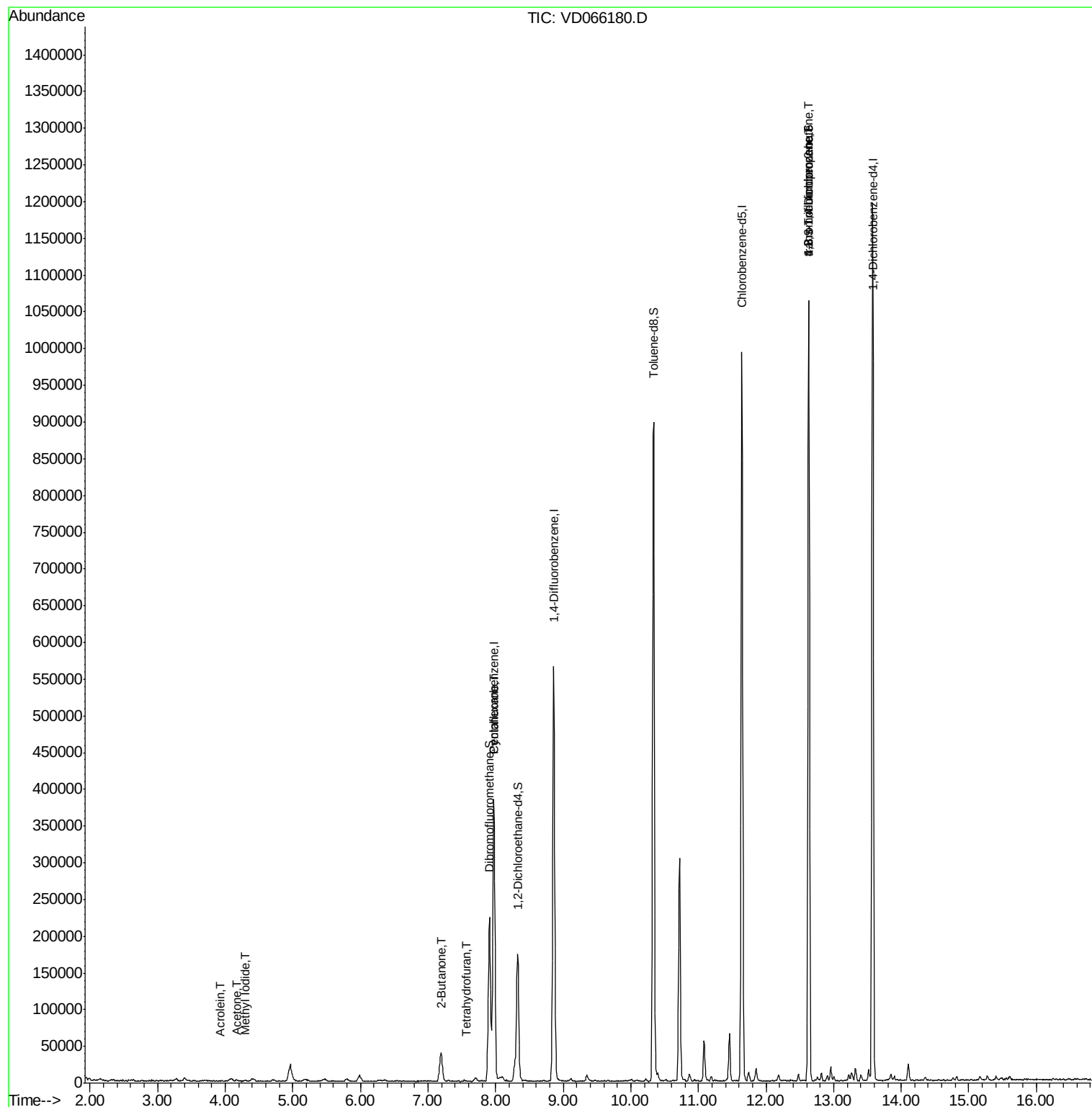
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.97  | 168  | 305022   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.86  | 114  | 510039   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.64 | 117  | 590646   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.58 | 152  | 329452   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.33  | 65   | 133591   | 49.09     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 98.18%  |          |
| 35) Dibromofluoromethane       | 7.91  | 113  | 155336   | 48.08     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 96.16%  |          |
| 50) Toluene-d8                 | 10.34 | 98   | 622247   | 52.19     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 104.38% |          |
| 62) 4-Bromofluorobenzene       | 12.63 | 95   | 290353   | 67.56     | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 135.12% |          |
| Target Compounds               |       |      |          |           |         |          |
|                                |       |      |          |           | Qvalue  |          |
| 10) Methyl Iodide              | 4.30  | 142  | 1790     | 7.306     | ug/l #  | 60       |
| 11) Tert butyl alcohol         | 5.20  | 59   | 915      | Below Cal | #       | 93       |
| 13) Acrolein                   | 3.93  | 56   | 304      | 1.403     | ug/l #  | 14       |
| 16) Acetone                    | 4.17  | 43   | 1924     | 3.726     | ug/l #  | 45       |
| 25) 2-Butanone                 | 7.20  | 43   | 2787     | 3.670     | ug/l #  | 47       |
| 29) Tetrahydrofuran            | 7.56  | 42   | 698      | 1.483     | ug/l #  | 43       |
| 31) Cyclohexane                | 7.97  | 56   | 8146     | 1.709     | ug/l #  | 31       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 141742   | 51.591    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75   | 141742   | 114.046   | ug/l #  | 13       |

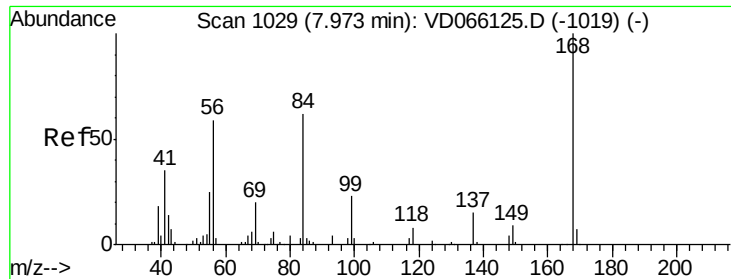
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD081120\  
Data File : VD066180.D  
Acq On : 11 Aug 2020 11:51  
Operator : VA/SY  
Sample : VD0811SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0811SBL01

Quant Time: Aug 11 15:14:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:49:25 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066180.D

Acq: 11 Aug 2020 11:51

Instrument :

MSVOA\_D

ClientSampleId :

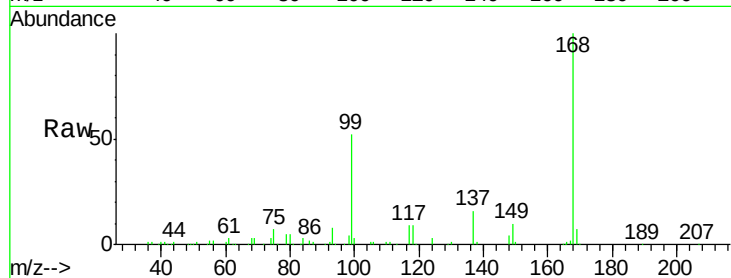
VD0811SBL01

Tgt Ion:168 Resp: 305022

Ion Ratio Lower Upper

168 100

99 51.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

150000

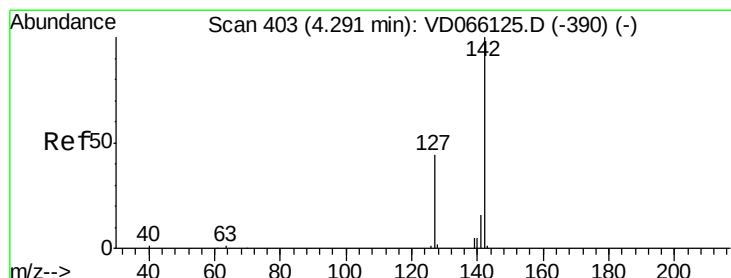
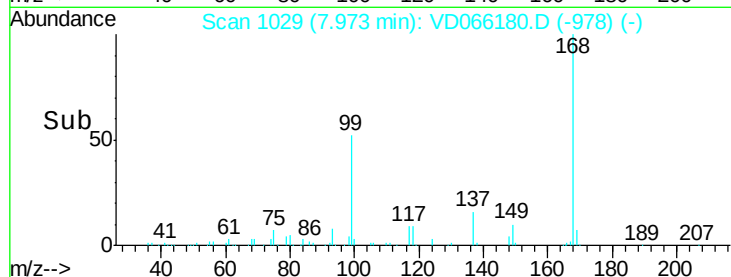
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#10

Methyl Iodide

Concen: 7.306 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066180.D

Acq: 11 Aug 2020 11:51

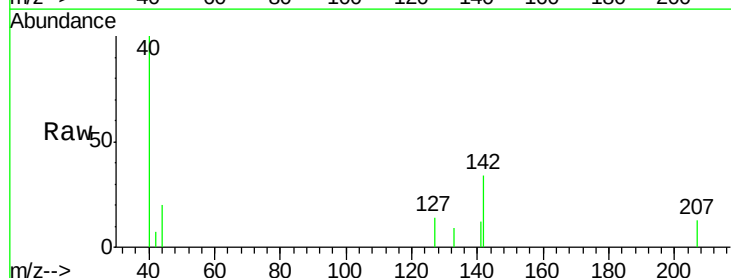
Tgt Ion:142 Resp: 1790

Ion Ratio Lower Upper

142 100

127 15.6 36.2 54.4#

141 5.1 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

1000

800

600

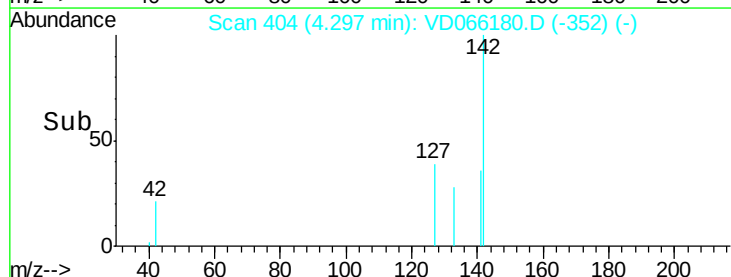
400

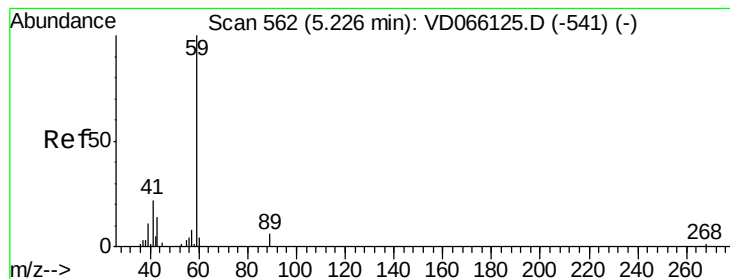
200

0

4.25 4.30 4.35

Time-->



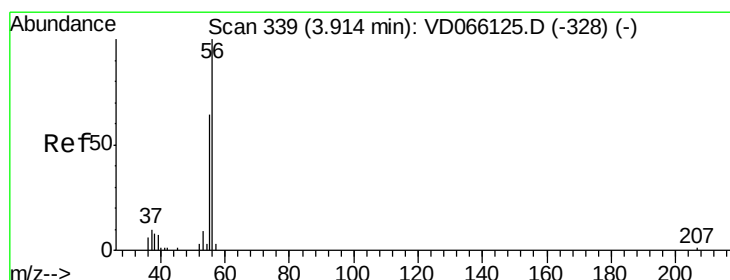
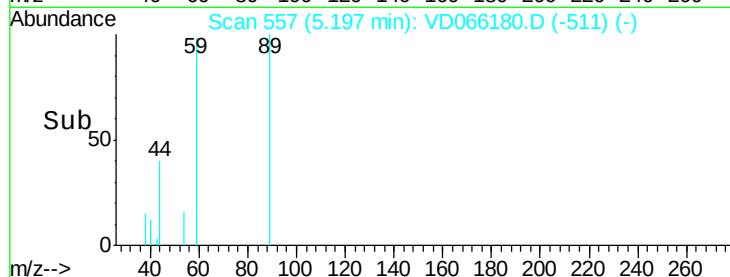
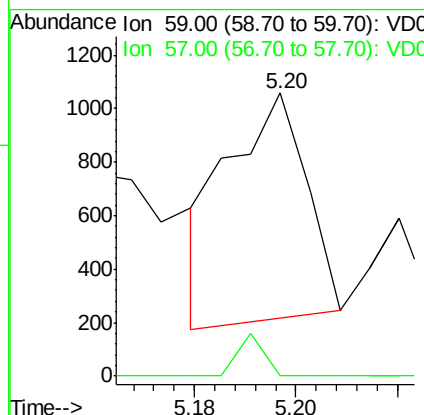
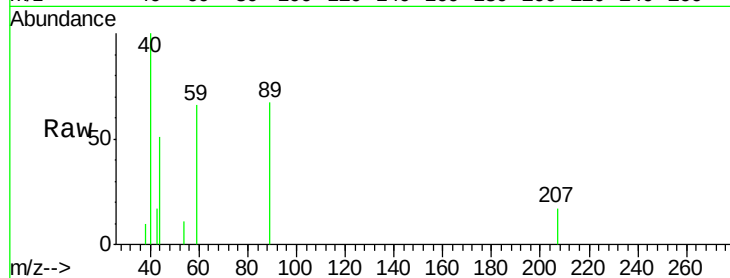


#11

Tert butyl alcohol  
 Concen: Below Cal  
 RT: 5.20 min Scan# 557  
 Delta R.T. -0.03 min  
 Lab File: VD066180.D  
 Acq: 11 Aug 2020 11:51

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0811SBL01

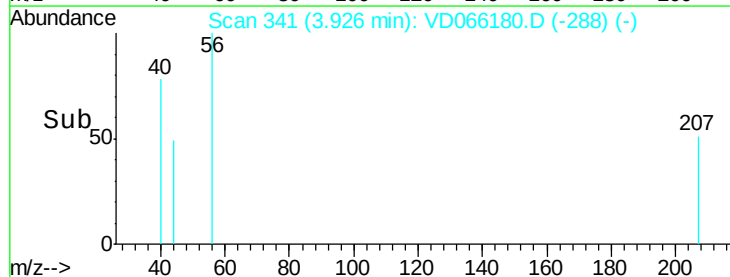
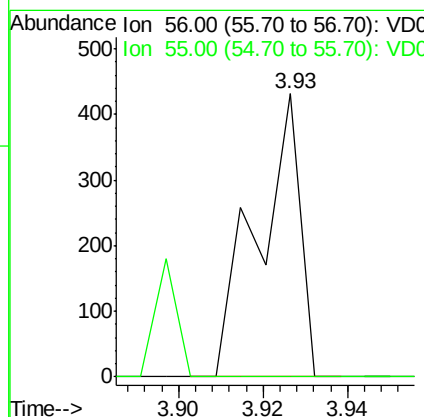
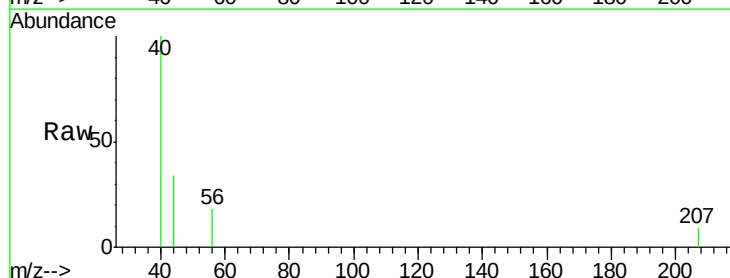
Tgt Ion: 59 Resp: 915  
 Ion Ratio Lower Upper  
 59 100  
 57 6.2 7.0 10.4#

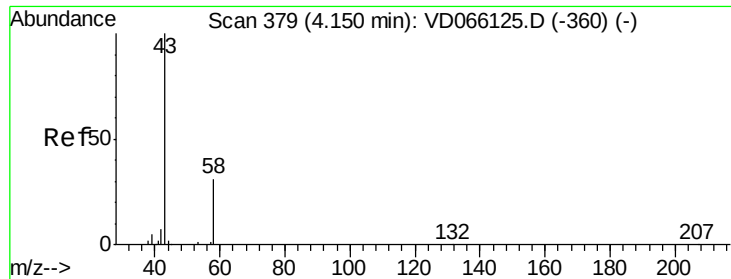


#13

Acrolein  
 Concen: 1.403 ug/l  
 RT: 3.93 min Scan# 341  
 Delta R.T. 0.01 min  
 Lab File: VD066180.D  
 Acq: 11 Aug 2020 11:51

Tgt Ion: 56 Resp: 304  
 Ion Ratio Lower Upper  
 56 100  
 55 0.0 56.7 85.1#





#16

Acetone

Concen: 3.726 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066180.D

Acq: 11 Aug 2020 11:51

Instrument :

MSVOA\_D

ClientSampleId :

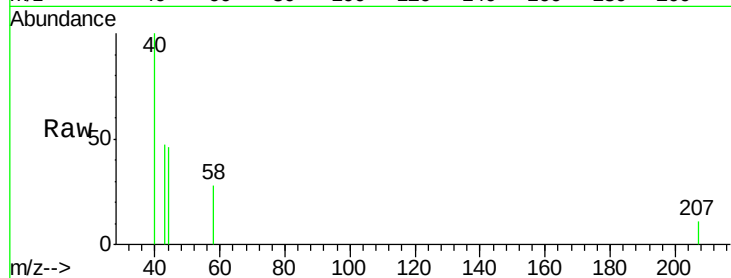
VD0811SBL01

Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

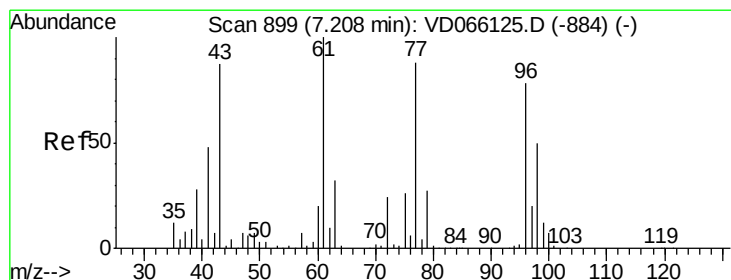
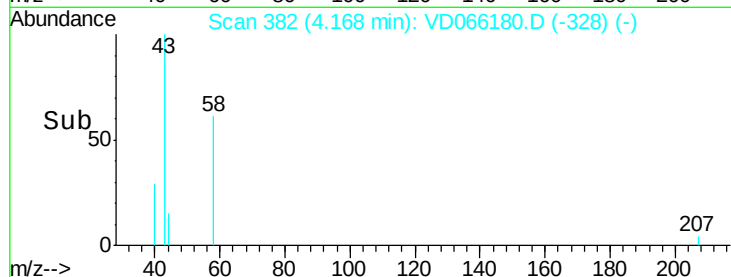
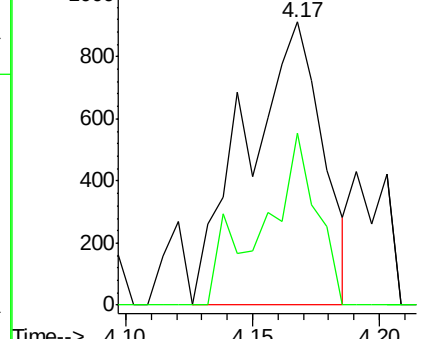
43 100

58 61.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 3.670 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066180.D

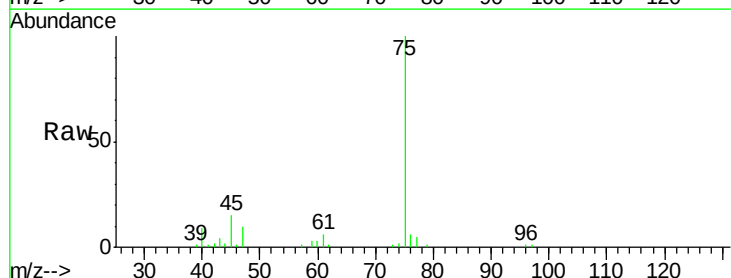
Acq: 11 Aug 2020 11:51

Tgt Ion: 43 Resp: 2787

Ion Ratio Lower Upper

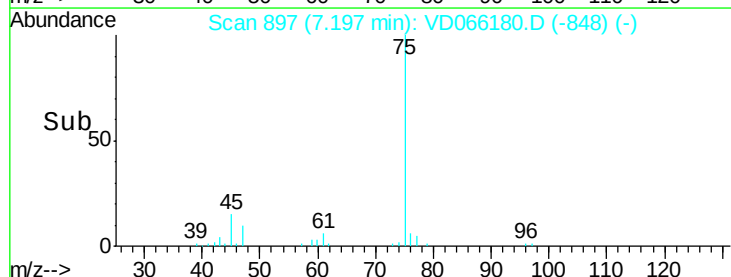
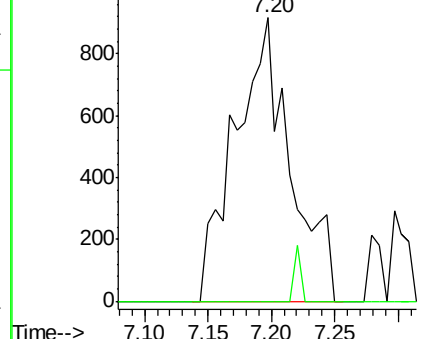
43 100

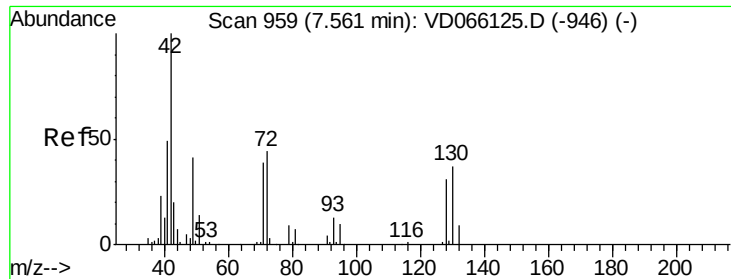
72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

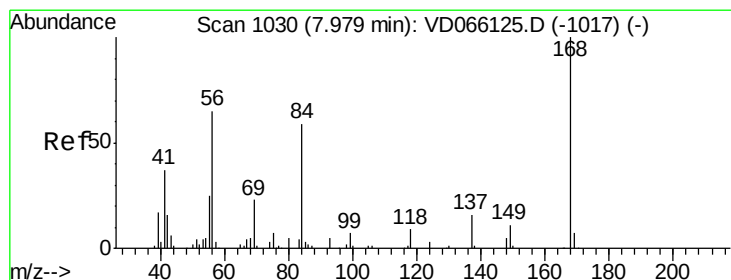
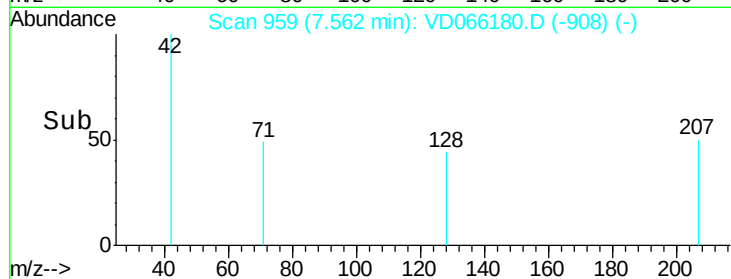
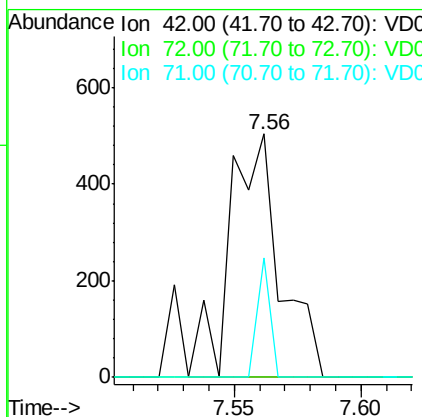
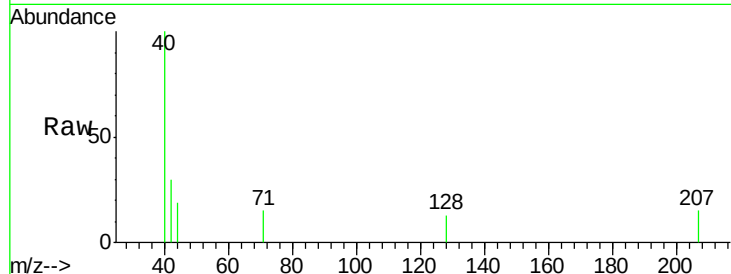




#29  
Tetrahydrofuran  
Concen: 1.483 ug/l  
RT: 7.56 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: VD066180.D  
Acq: 11 Aug 2020 11:51

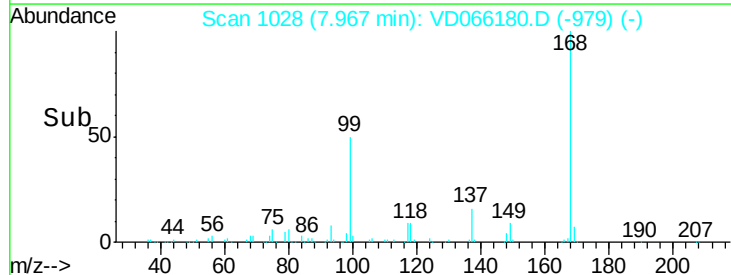
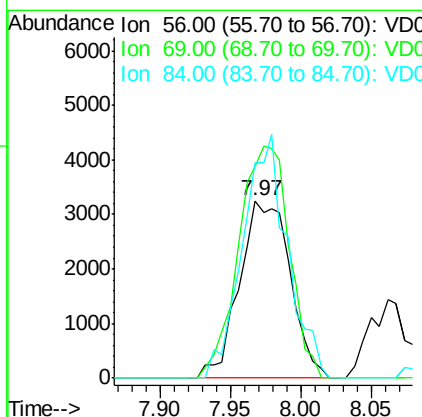
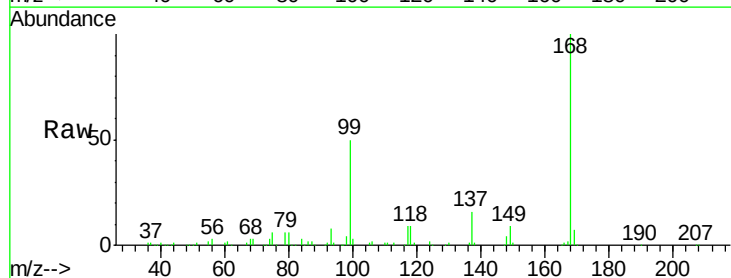
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0811SBL01

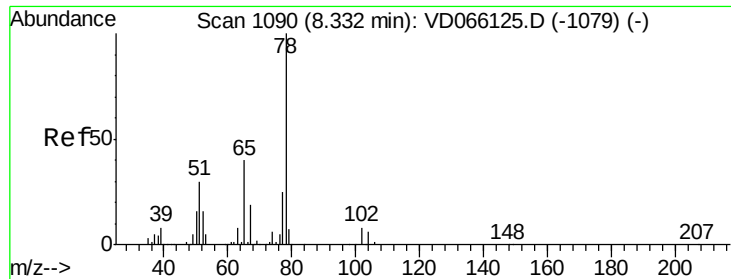
Tgt Ion: 42 Resp: 698  
Ion Ratio Lower Upper  
42 100  
72 0.0 34.8 52.2#  
71 12.5 33.5 50.3#



#31  
Cyclohexane  
Concen: 1.709 ug/l  
RT: 7.97 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: VD066180.D  
Acq: 11 Aug 2020 11:51

Tgt Ion: 56 Resp: 8146  
Ion Ratio Lower Upper  
56 100  
69 119.5 28.8 43.2#  
84 129.2 73.0 109.6#

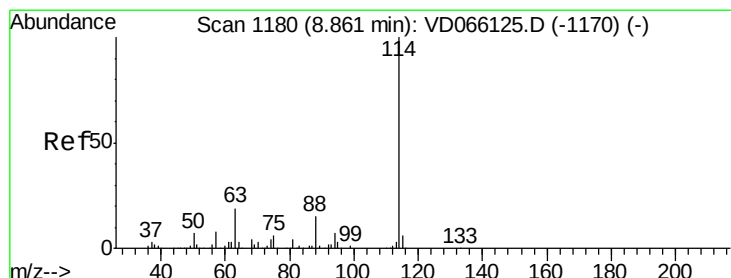
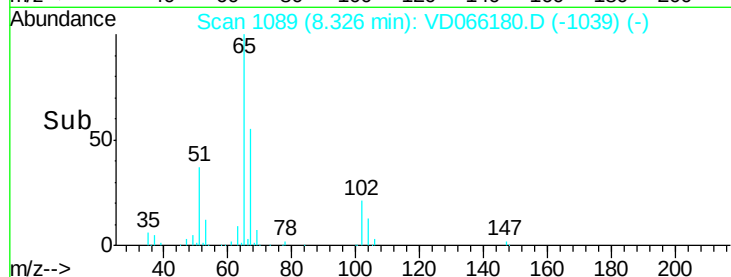
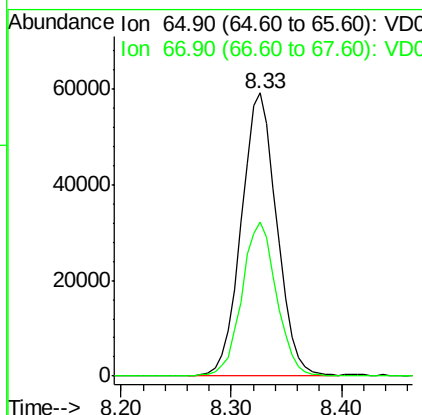
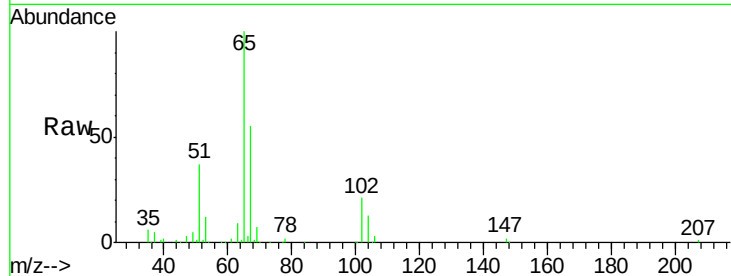




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.092 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. -0.01 min  
 Lab File: VD066180.D  
 Acq: 11 Aug 2020 11:51

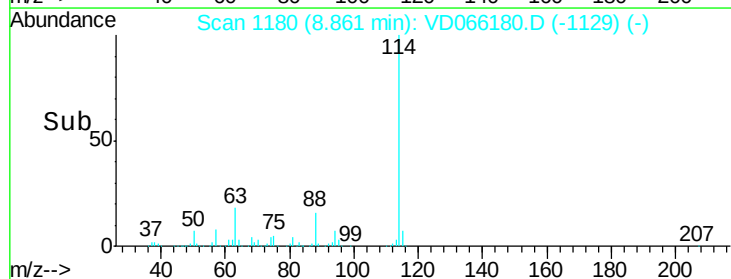
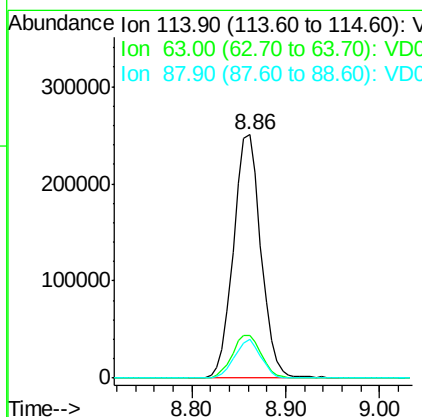
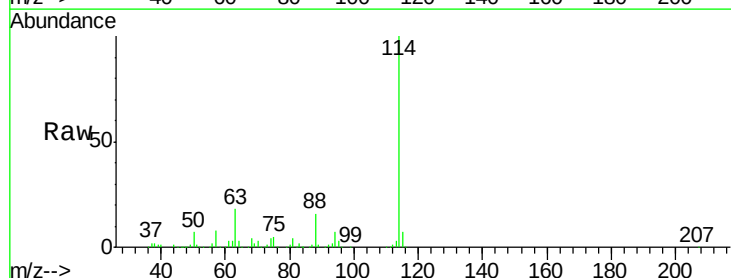
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0811SBL01

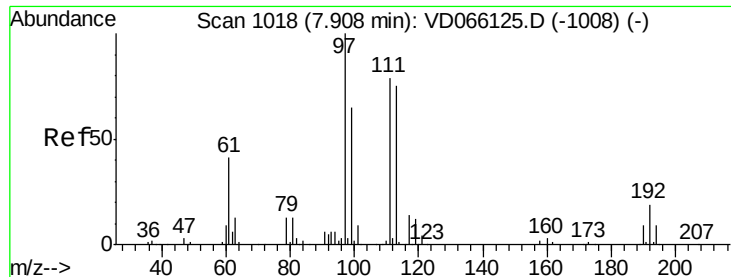
Tgt Ion: 65 Resp: 133591  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. 0.00 min  
 Lab File: VD066180.D  
 Acq: 11 Aug 2020 11:51

Tgt Ion: 114 Resp: 510039  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 38.6  
 88 15.8 0.0 30.0

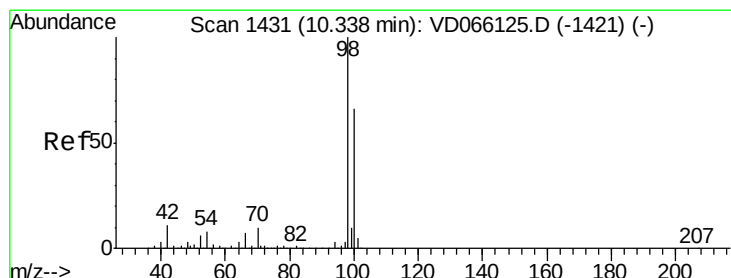
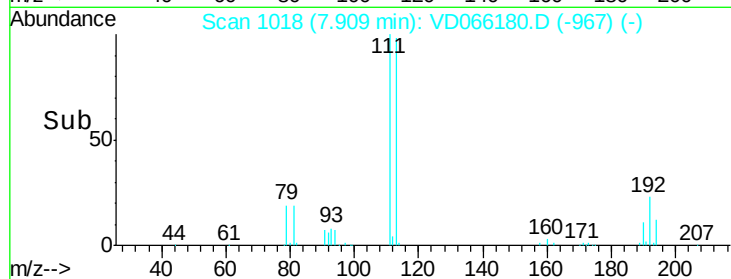
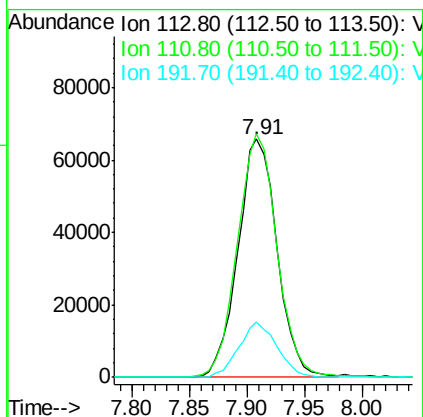
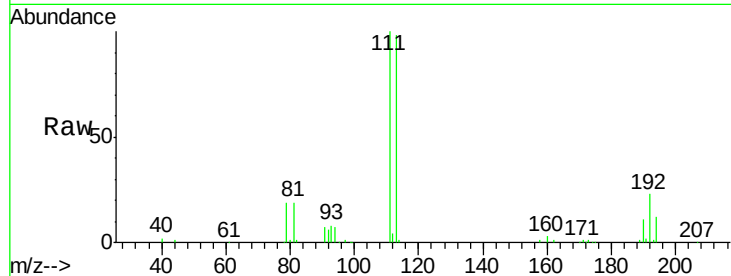




#35  
 Dibromofluoromethane  
 Concen: 48.076 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: VD066180.D  
 Acq: 11 Aug 2020 11:51

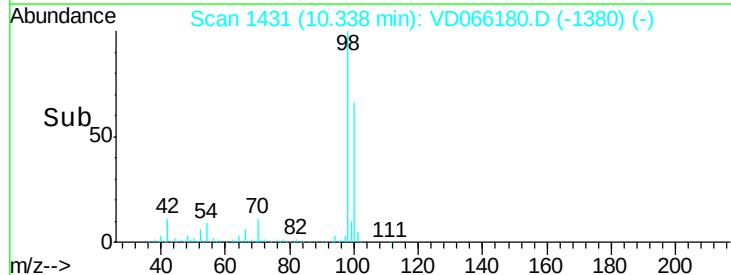
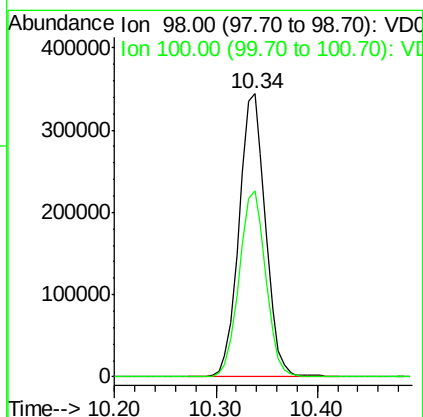
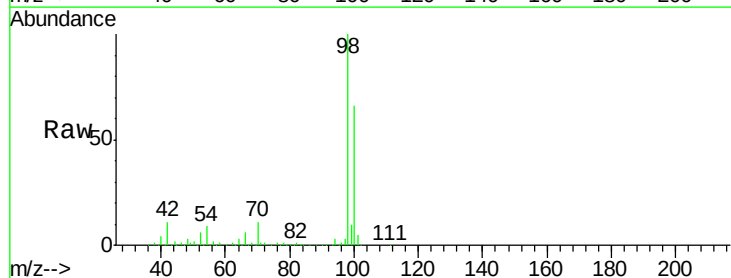
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0811SBL01

Tgt Ion: 113 Resp: 155336  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 80.7 121.1  
 192 22.6 18.4 27.6

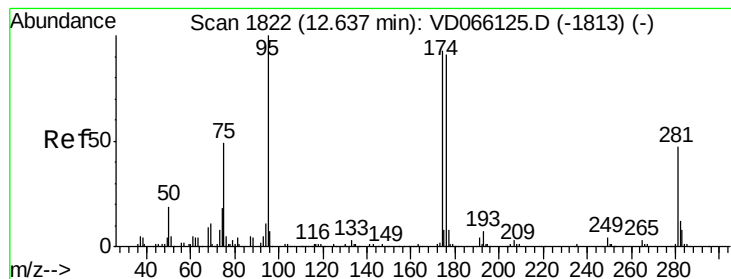


#50  
 Toluene-d8  
 Concen: 52.187 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD066180.D  
 Acq: 11 Aug 2020 11:51

Tgt Ion: 98 Resp: 622247  
 Ion Ratio Lower Upper  
 98 100  
 100 66.2 52.6 78.8







#62

4-Bromofluorobenzene

Concen: 67.557 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066180.D

Acq: 11 Aug 2020 11:51

Instrument :

MSVOA\_D

ClientSampleId :

VD0811SBL01

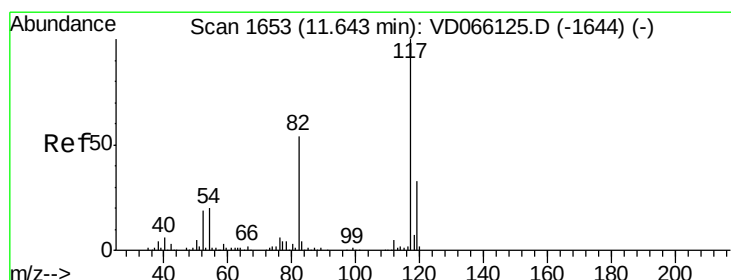
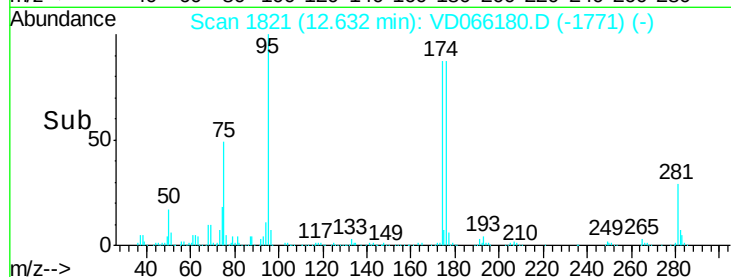
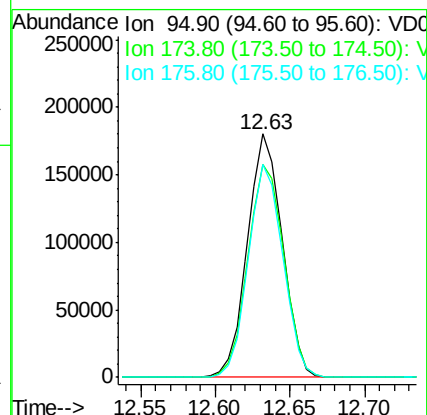
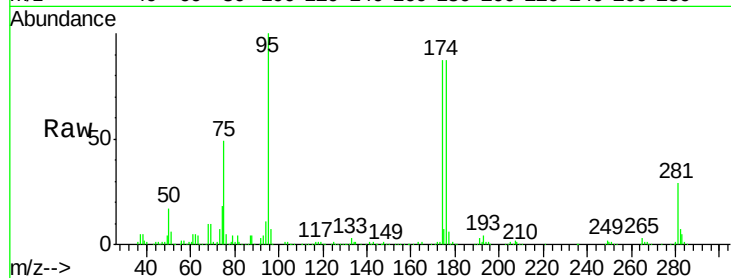
Tgt Ion: 95 Resp: 290353

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.8

176 86.9 0.0 181.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066180.D

Acq: 11 Aug 2020 11:51

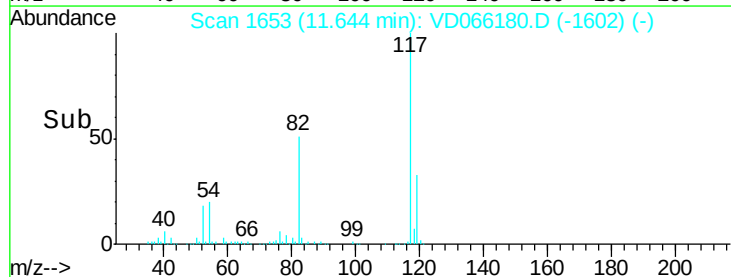
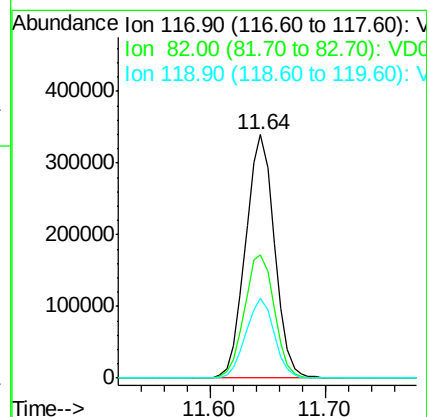
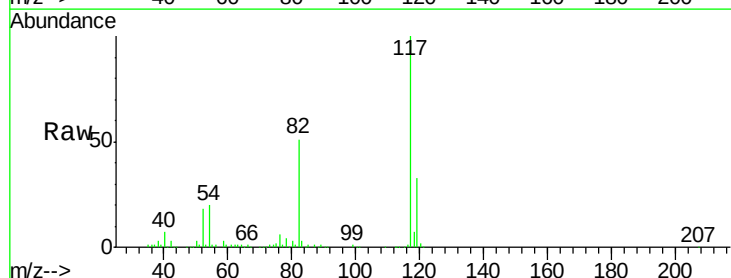
Tgt Ion: 117 Resp: 590646

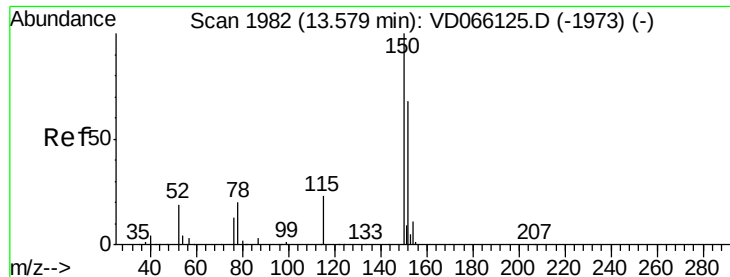
Ion Ratio Lower Upper

117 100

82 50.9 43.0 64.4

119 32.9 26.1 39.1



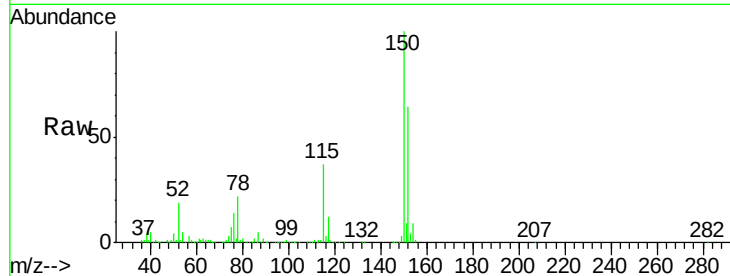


#72

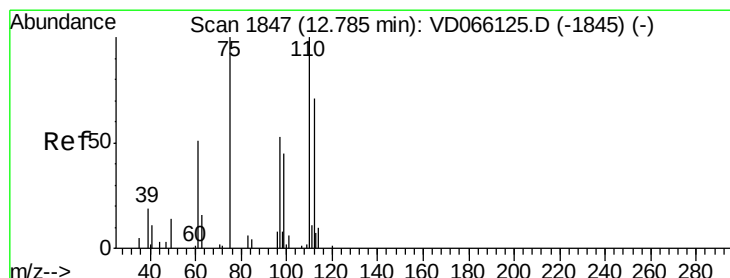
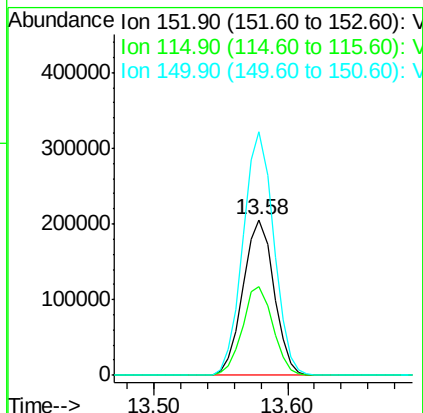
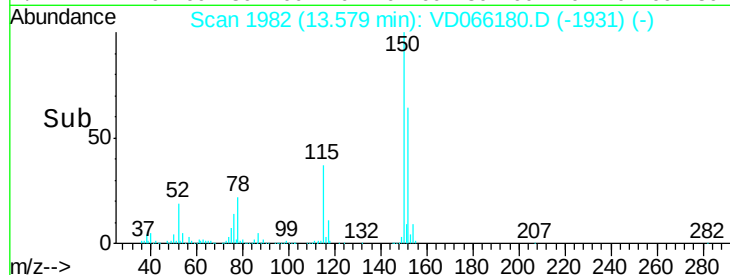
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VD066180.D  
Acq: 11 Aug 2020 11:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0811SBL01

Tgt Ion:152 Resp: 329452  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.0 83.9  
150 155.5 0.0 346.4



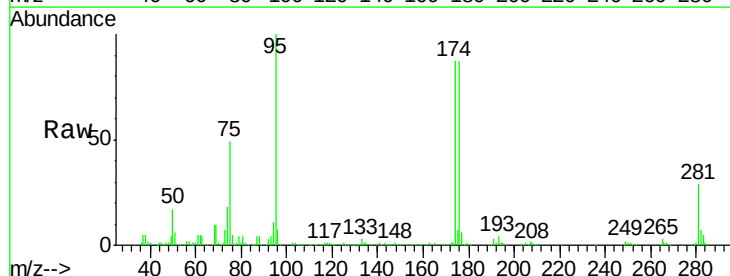
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



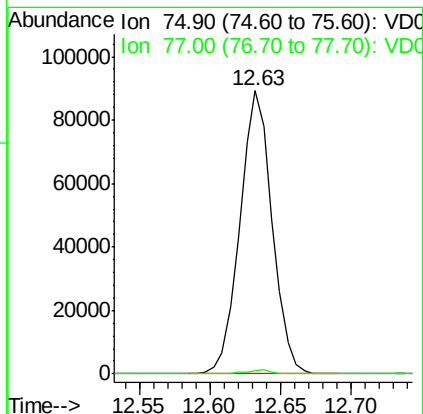
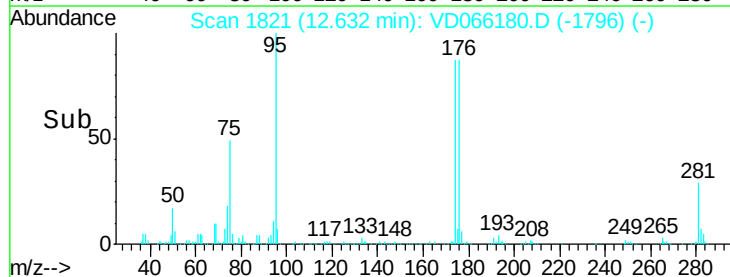
#76

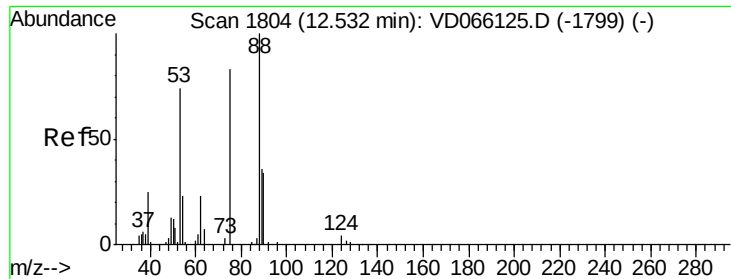
1,2,3-Trichloropropane  
Concen: 51.591 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.15 min  
Lab File: VD066180.D  
Acq: 11 Aug 2020 11:51

Tgt Ion: 75 Resp: 141742  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 77.00 (76.70 to 77.70): VDC





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 114.046 ug/l  
 RT: 12.63 min Scan# 1821  
 Delta R.T. 0.10 min  
 Lab File: VD066180.D  
 Acq: 11 Aug 2020 11:51

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0811SBL01

Tgt Ion: 75 Resp: 141742  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 73.4 110.2#  
 89 0.4 36.6 55.0#

