

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\  
 Data File : VD066509.D  
 Acq On : 01 Sep 2020 21:14  
 Operator : VA/SY  
 Sample : L3850-01  
 Misc : 4.54G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 15203

Quant Time: Sep 02 01:08:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 13:36:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.97  | 168  | 169717   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 244619   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 214715   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 96460    | 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   | 94808    | 56.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 113.96% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 77230    | 50.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.98% |          |
| 50) Toluene-d8              | 10.34 | 98   | 281732   | 50.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.68% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 87472    | 44.05 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.10%  |          |

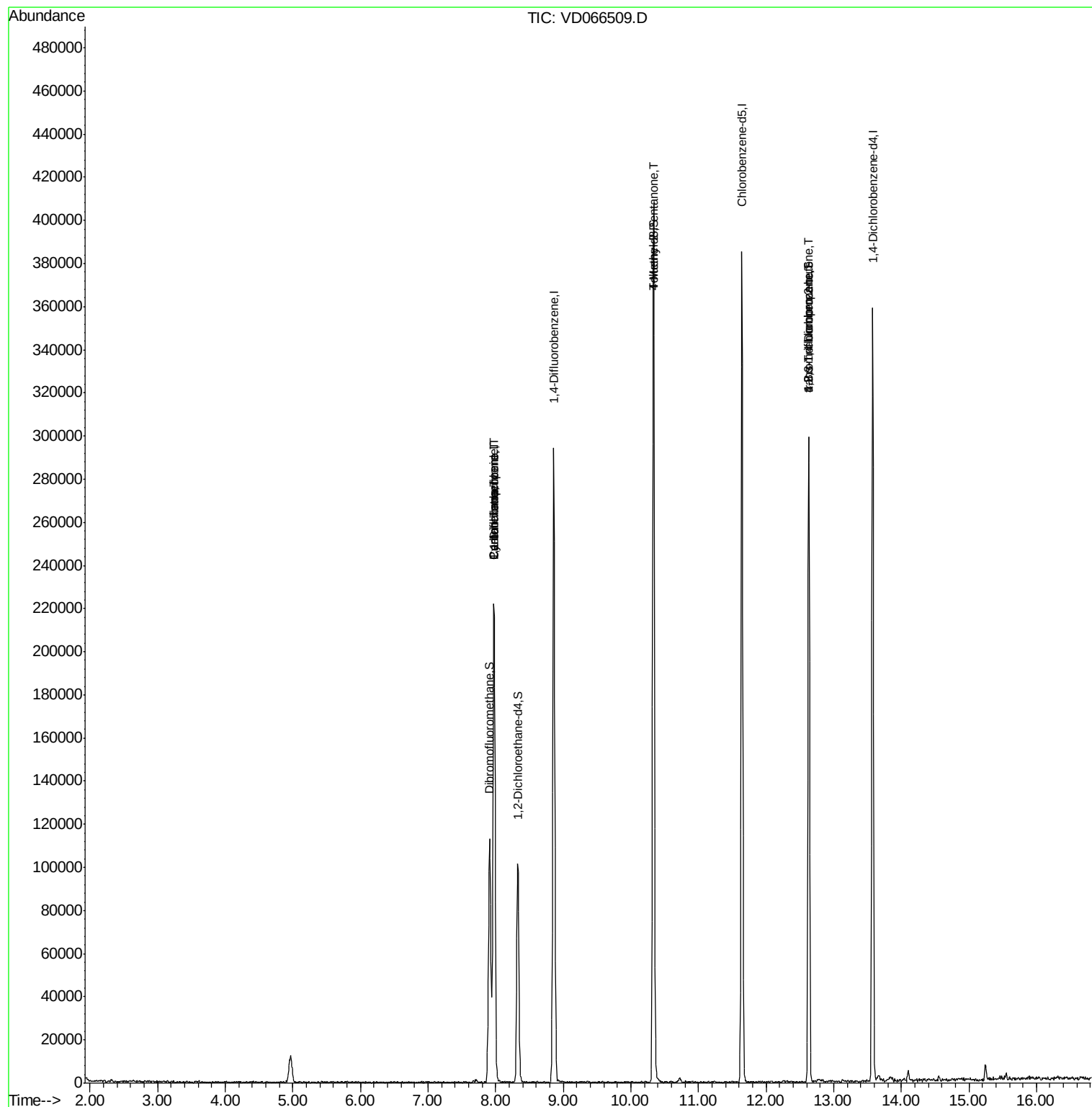
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 31) Cyclohexane                | 7.97  | 56   | 3690     | 1.597   | ug/l # | 35     |
| 36) 1,1-Dichloropropene        | 7.97  | 75   | 11657    | 5.223   | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.97  | 117  | 18175    | 6.250   | ug/l # | 18     |
| 51) 4-Methyl-2-Pentanone       | 10.34 | 43   | 1509     | 2.047   | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 51836    | 76.387  | ug/l # | 1      |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75   | 51836    | 162.144 | ug/l # | 6      |

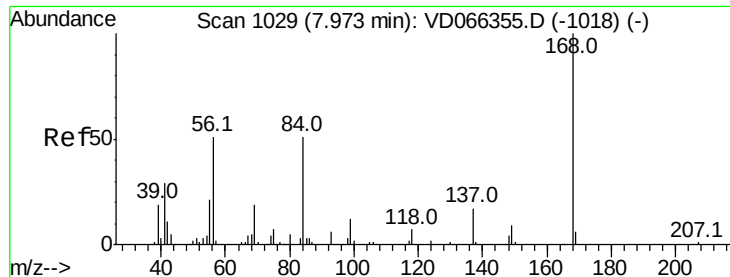
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090120\  
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Sample : L3850-01  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D082120S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 13:36:12 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: VD066509.D

Acq: 01 Sep 2020 21:14

Instrument :

MSVOA\_D

ClientSampleId :

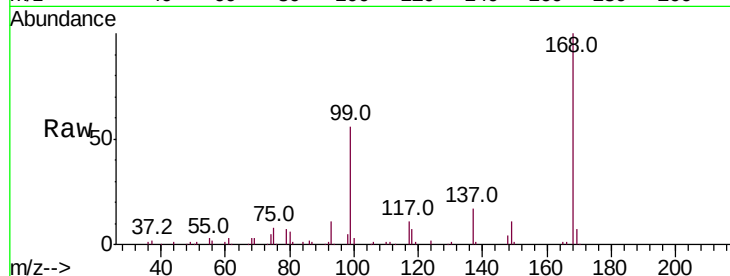
15203

Tot Ion:168 Resp: 169717

Ion Ratio Lower Upper

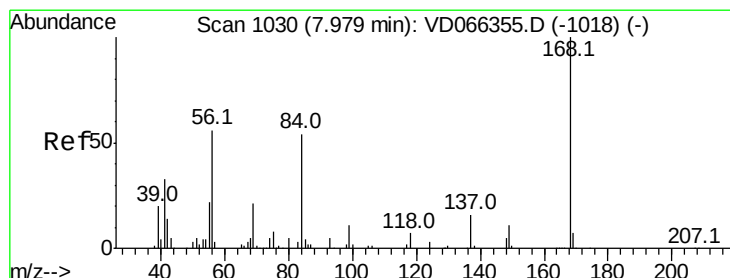
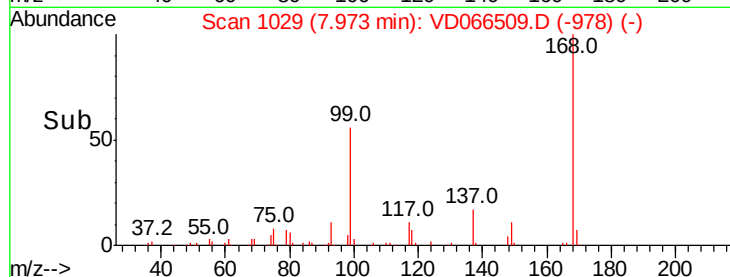
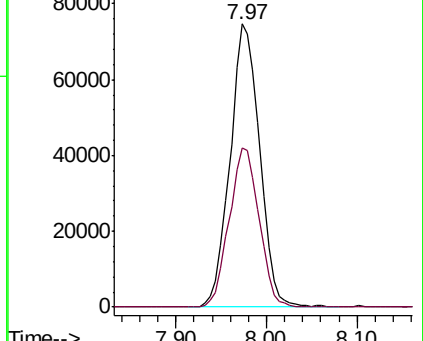
168 100

99 56.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#31

Cyclohexane

Concen: 1.597 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066509.D

Acq: 01 Sep 2020 21:14

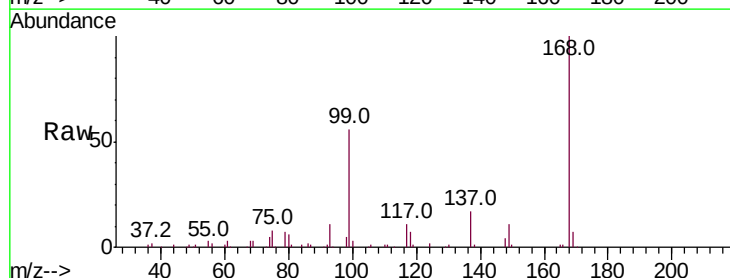
Tgt Ion: 56 Resp: 3690

Ion Ratio Lower Upper

56 100

69 125.4 29.6 44.4#

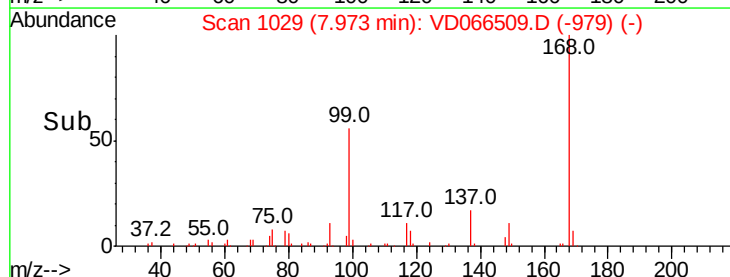
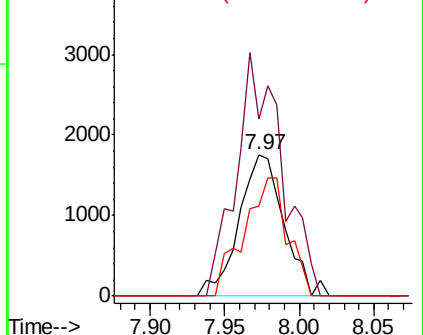
84 63.6 76.6 115.0#

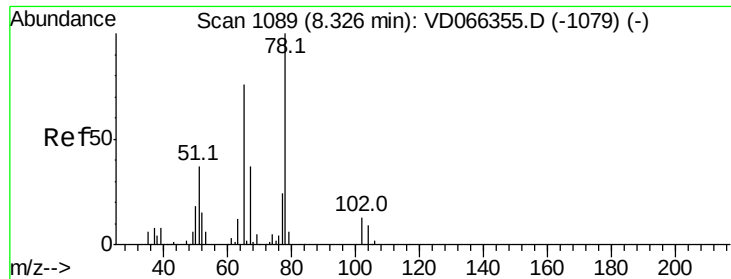


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.979 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

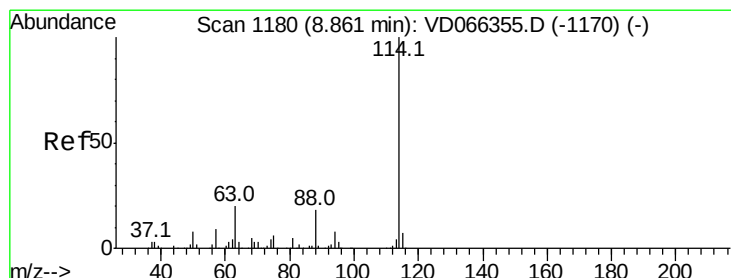
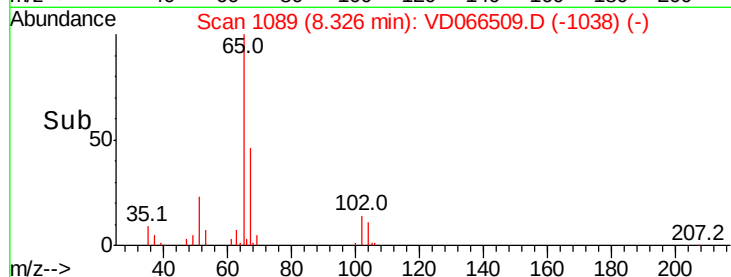
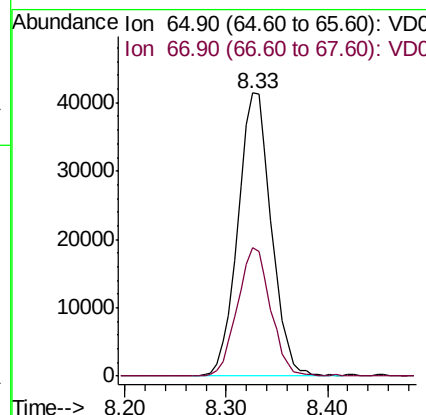
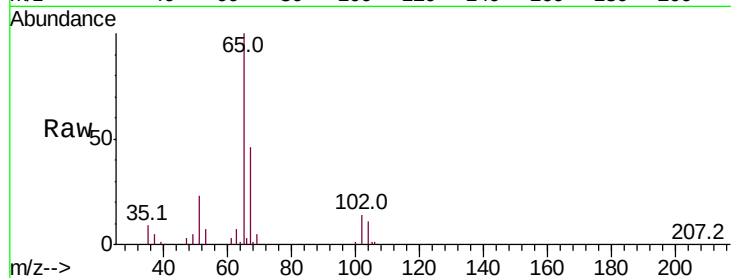
Lab File: VD066509.D

Acq: 01 Sep 2020 21:14

Instrument :  
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15203

Tot Ion: 65 Resp: 94808

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 45.0  | 0.0   | 101.6 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

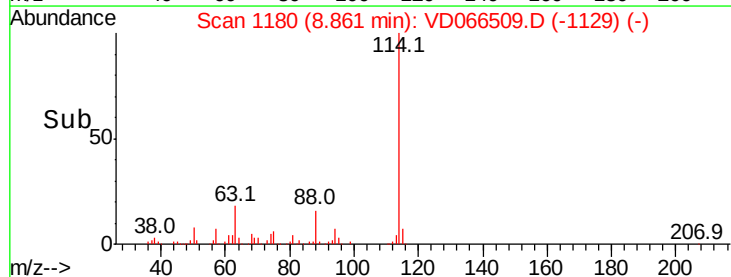
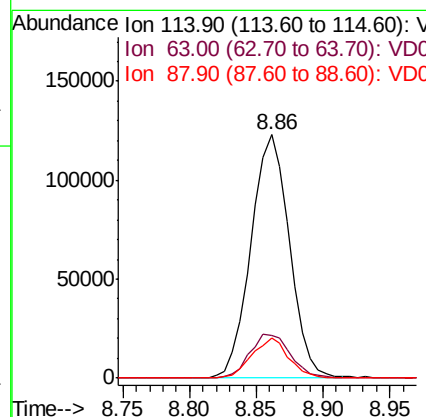
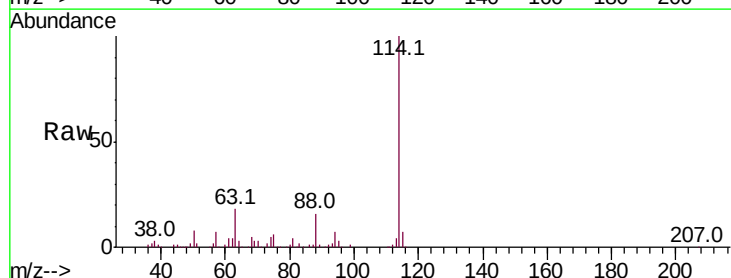
Delta R.T. -0.00 min

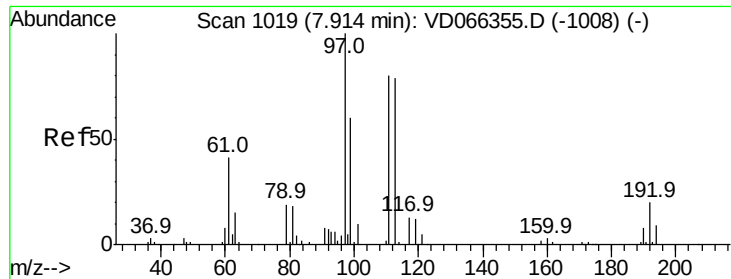
Lab File: VD066509.D

Acq: 01 Sep 2020 21:14

Tgt Ion: 114 Resp: 244619

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 17.7  | 0.0   | 40.8  |
| 88  | 16.3  | 0.0   | 35.4  |

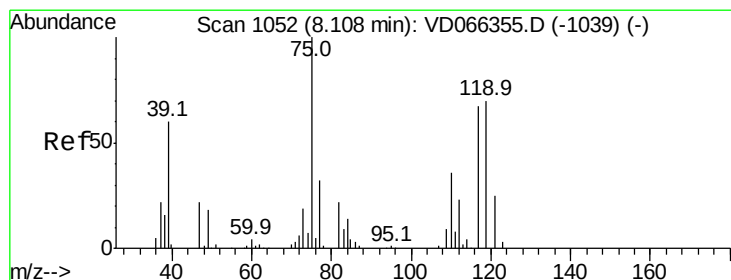
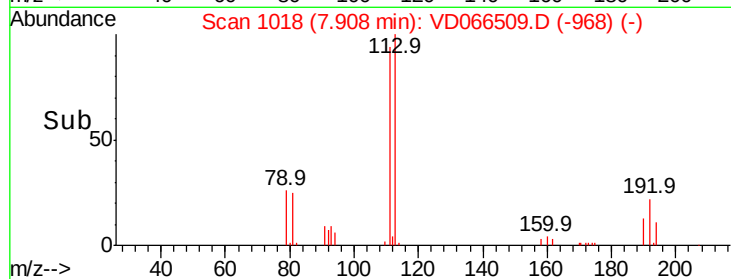
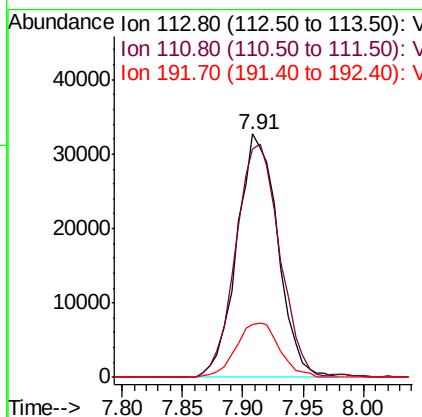
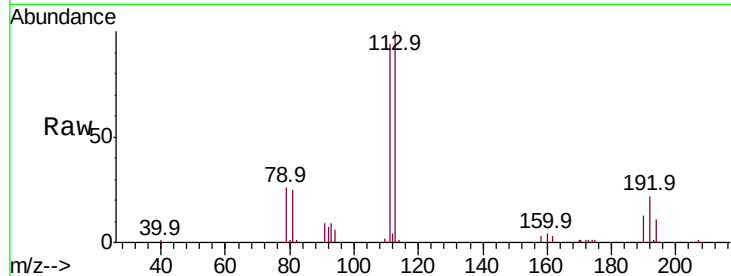




#35  
 Dibromofluoromethane  
 Concen: 50.489 ug/l  
 RT: 7.91 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: VD066509.D  
 Acq: 01 Sep 2020 21:14

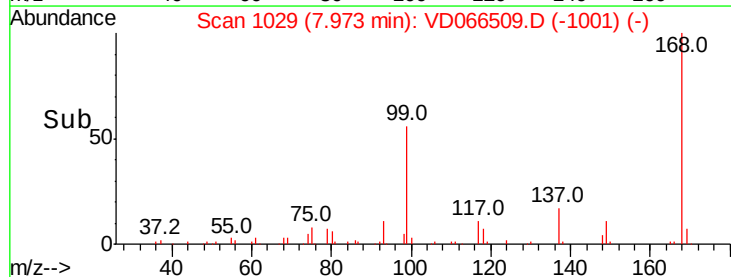
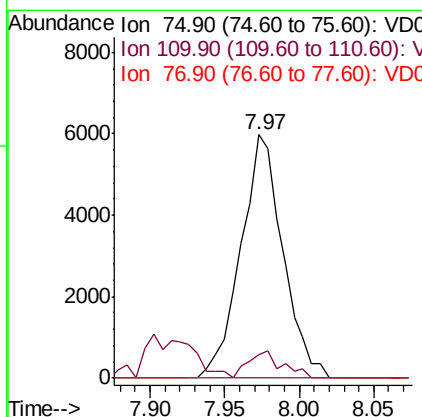
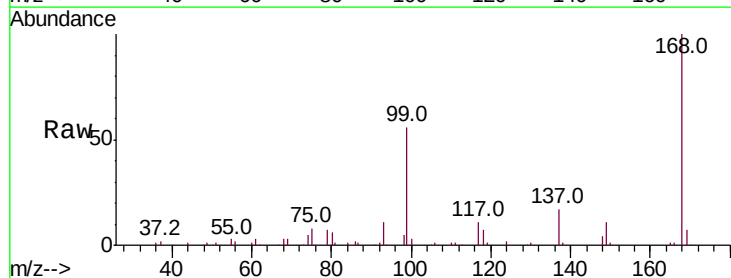
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 15203

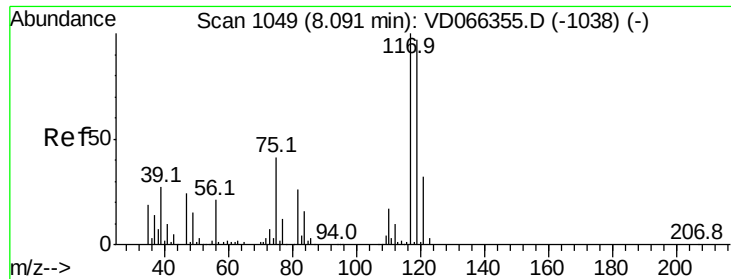
Tot Ion:113 Resp: 77230  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 80.3 120.5  
 192 23.6 19.0 28.6



#36  
 1,1-Dichloropropene  
 Concen: 5.223 ug/l  
 RT: 7.97 min Scan# 1029  
 Delta R.T. -0.14 min  
 Lab File: VD066509.D  
 Acq: 01 Sep 2020 21:14

Tgt Ion: 75 Resp: 11657  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 18.7 56.1#  
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 6.250 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066509.D

Acq: 01 Sep 2020 21:14

Instrument :

MSVOA\_D

ClientSampled :

15203

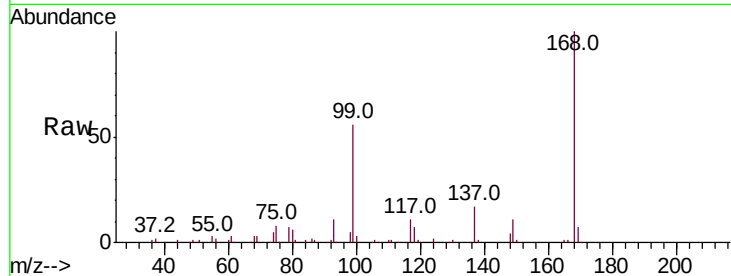
Tot Ion:117 Resp: 18175

Ion Ratio Lower Upper

117 100

119 8.7 77.2 115.8#

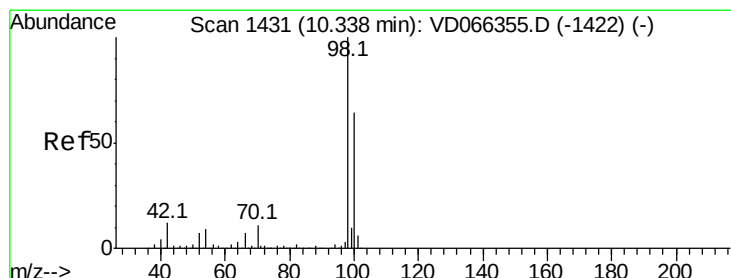
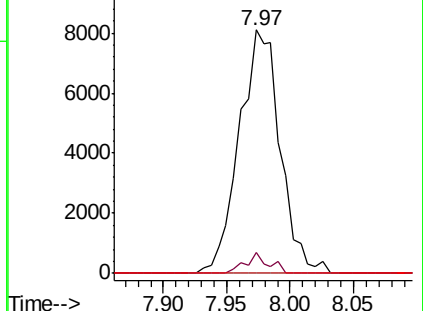
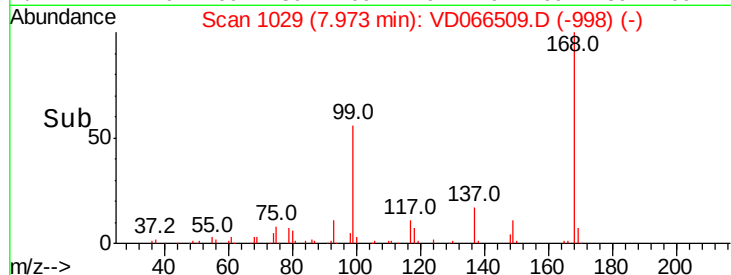
121 0.0 25.8 38.8#



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: 50.339 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066509.D

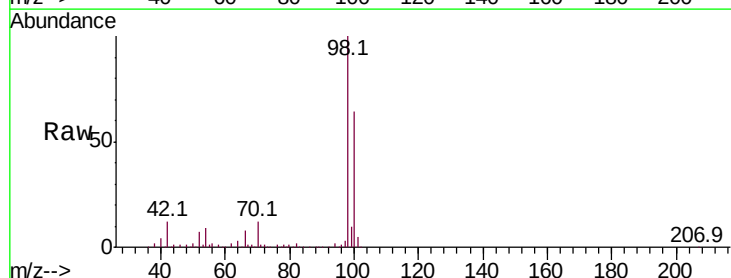
Acq: 01 Sep 2020 21:14

Tgt Ion: 98 Resp: 281732

Ion Ratio Lower Upper

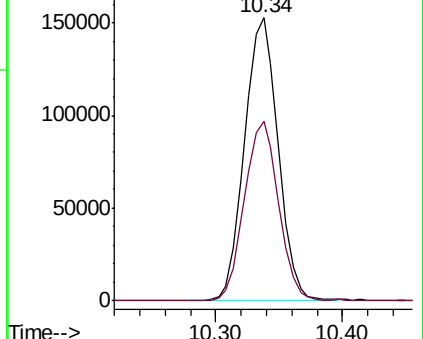
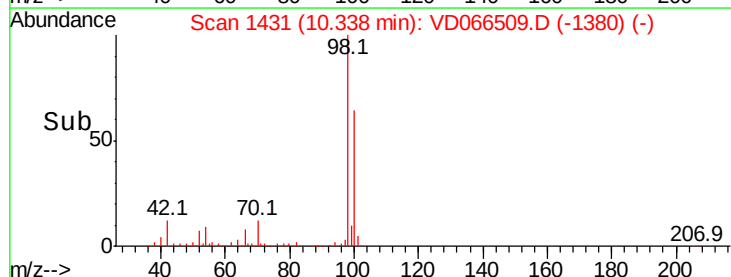
98 100

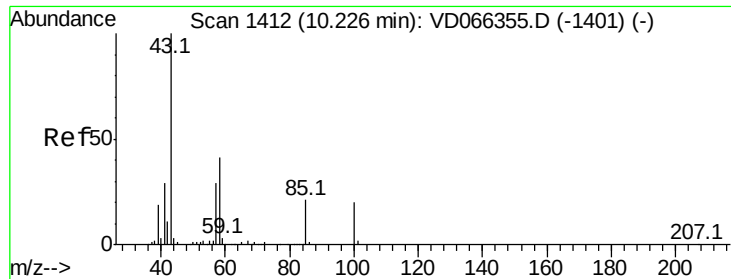
100 64.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

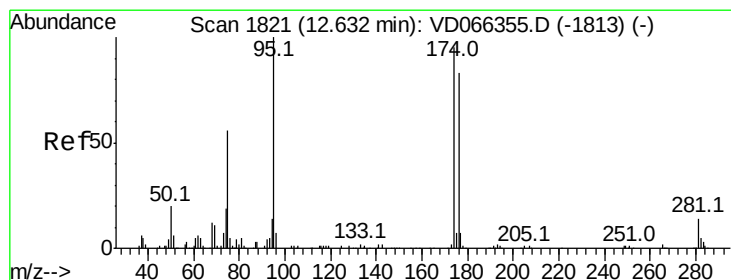
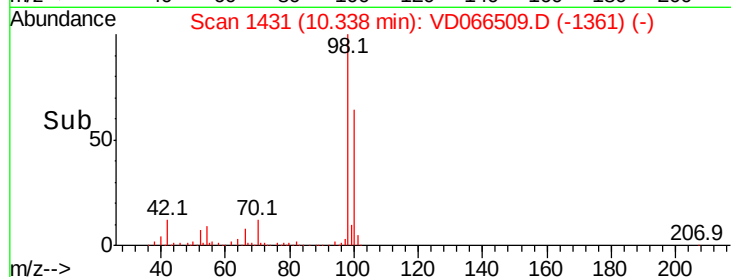
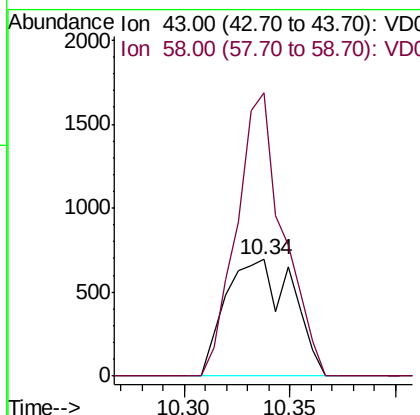
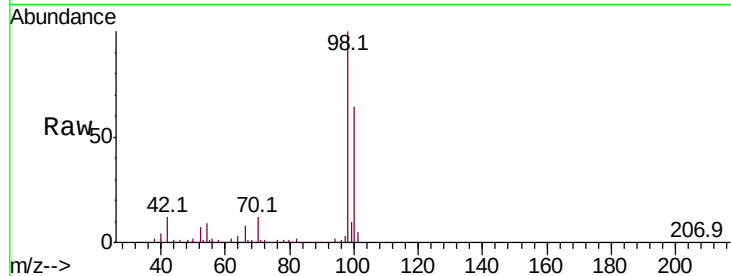




#51  
4-Methyl-2-Pentanone  
Concen: 2.047 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. 0.11 min  
Lab File: VD066509.D  
Acq: 01 Sep 2020 21:14

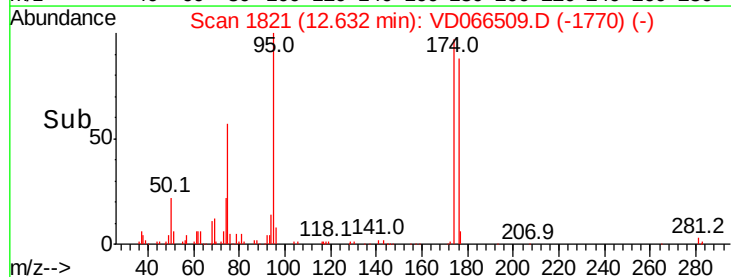
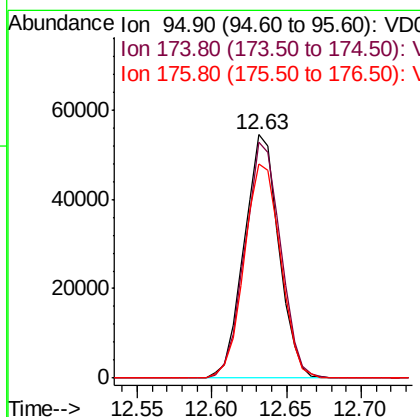
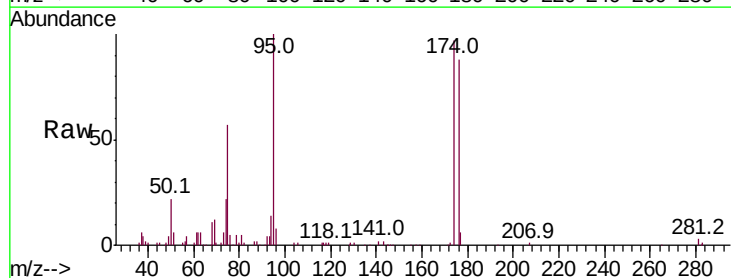
Instrument :  
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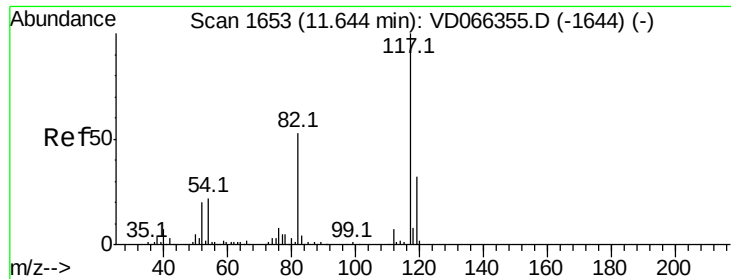
Tot Ion: 43 Resp: 1509  
Ion Ratio Lower Upper  
43 100  
58 172.0 31.4 47.2#



#62  
4-Bromofluorobenzene  
Concen: 44.046 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VD066509.D  
Acq: 01 Sep 2020 21:14

Tgt Ion: 95 Resp: 87472  
Ion Ratio Lower Upper  
95 100  
174 99.5 0.0 183.4  
176 92.2 0.0 173.8

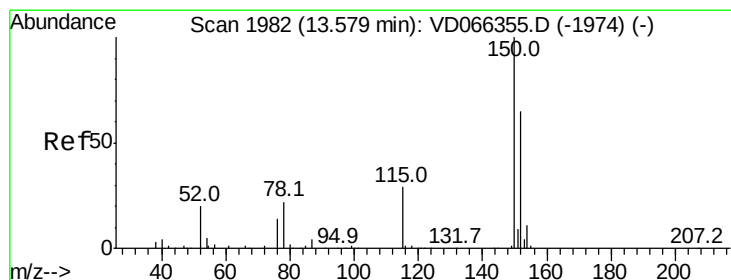
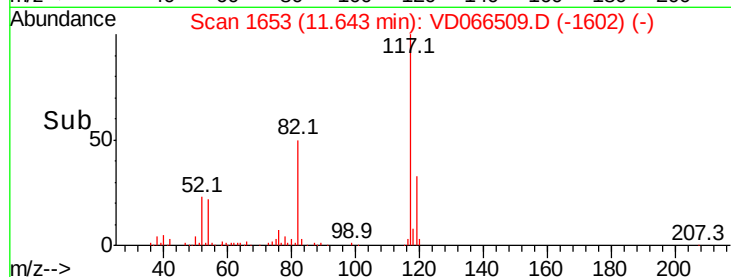
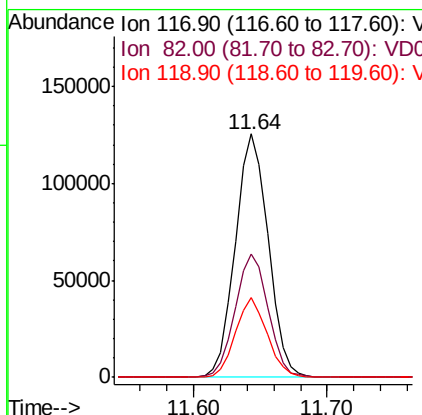
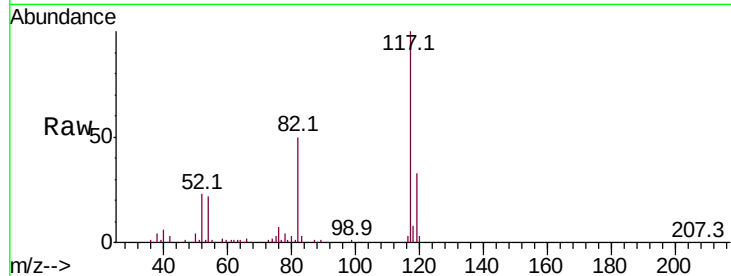




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066509.D  
Acq: 01 Sep 2020 21:14

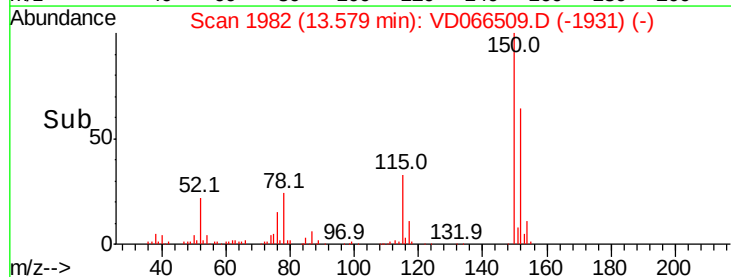
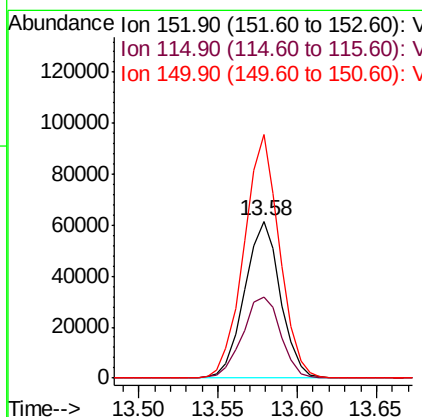
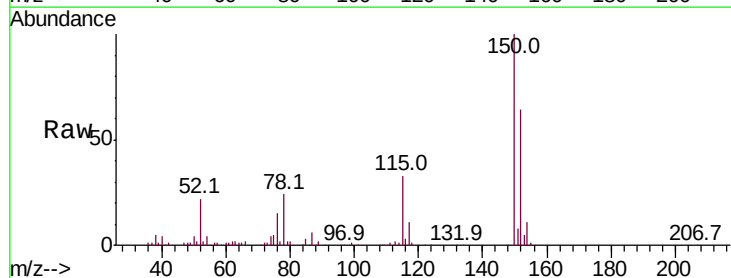
Instrument :  
MSVOA\_D  
ClientSampleId :  
15203

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.4  | 42.8  | 64.2  |
| 119     | 32.8  | 25.8  | 38.8  |

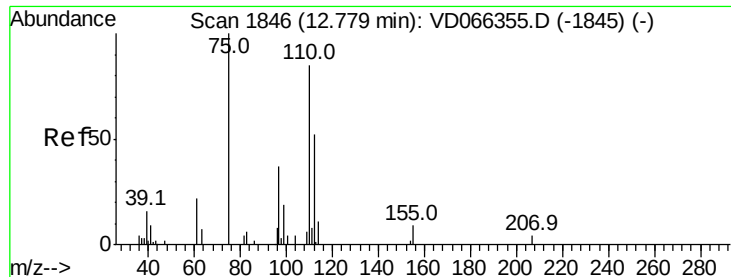


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VD066509.D  
Acq: 01 Sep 2020 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.0  | 28.3  | 85.0  |
| 150     | 153.4 | 0.0   | 343.2 |







#76

1,2,3-Trichloropropane

Concen: 76.387 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066509.D

Acq: 01 Sep 2020 21:14

Instrument :

MSVOA\_D

ClientSampleId :

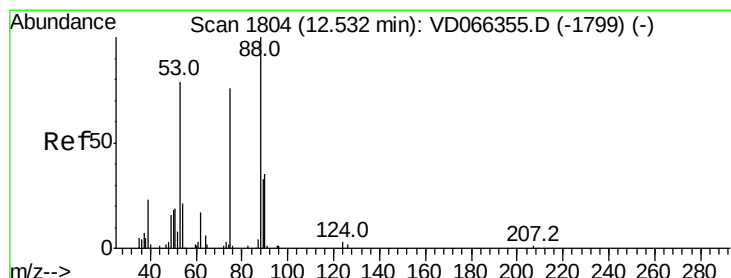
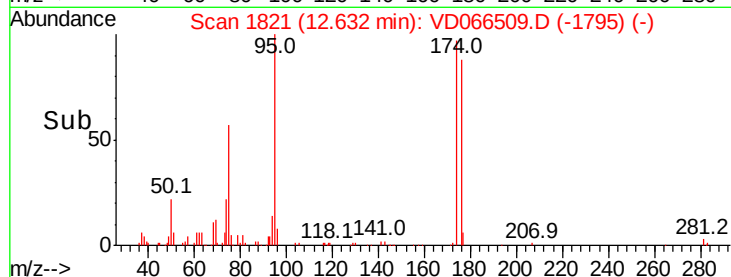
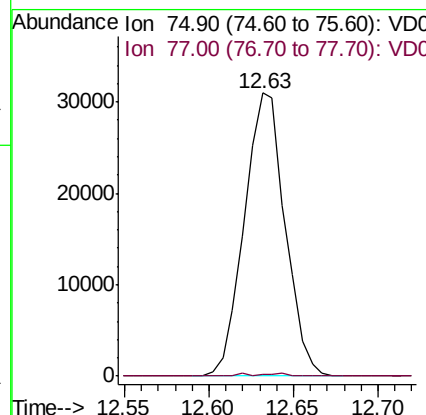
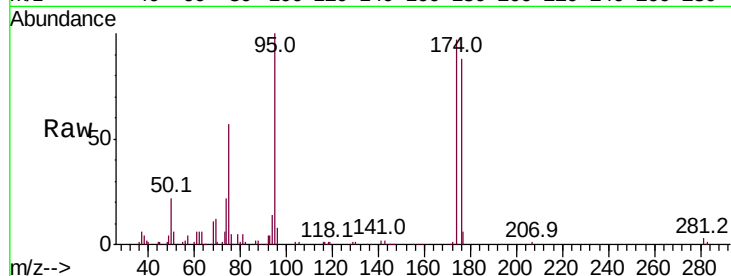
15203

Tot Ion: 75 Resp: 51836

Ion Ratio Lower Upper

75 100

77 0.5 182.9 548.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 162.144 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066509.D

Acq: 01 Sep 2020 21:14

Tgt Ion: 75 Resp: 51836

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.2#

89 0.2 39.4 59.0#

