

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\  
 Data File : VD060660.D  
 Acq On : 20 Dec 2018 15:53  
 Operator : VA/AP  
 Sample : VD1220SBL01  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1220SBL01

Quant Time: Dec 21 03:38:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 21 03:34:39 2018  
 Response via : Initial Calibration

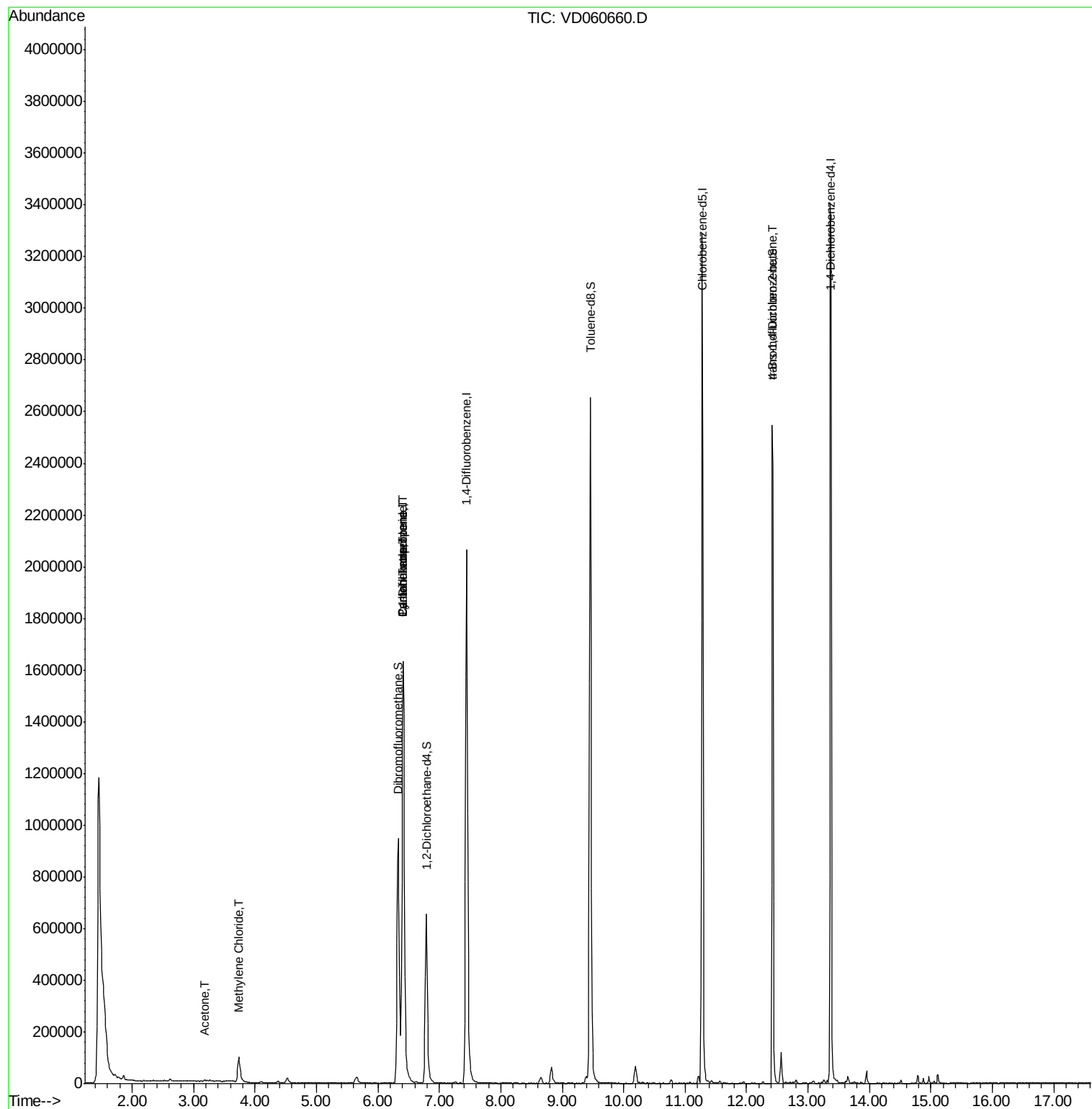
| Internal Standards             | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene          | 6.41   | 168  | 1648227  | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 7.44   | 114  | 2247183  | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 11.28  | 117  | 1773983  | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.38  | 152  | 886020   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds    |        |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4      | 6.79   | 65   | 545137   | 47.86   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 95.72% |          |
| 35) Dibromofluoromethane       | 6.33   | 113  | 767876   | 46.69   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 93.38% |          |
| 50) Toluene-d8                 | 9.46   | 98   | 2293397  | 46.73   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 93.46% |          |
| 62) 4-Bromofluorobenzene       | 12.42  | 95   | 799652   | 46.53   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 93.06% |          |
| Target Compounds               |        |      |          |         |        |          |
|                                |        |      |          |         | Qvalue |          |
| 16) Acetone                    | 3.16   | 43   | 7477     | 3.759   | ug/l # | 53       |
| 20) Methylene Chloride         | 3.73   | 84   | 61726    | 2.988   | ug/l   | 96       |
| 31) Cyclohexane                | 6.41   | 56   | 31948    | 1.111   | ug/l # | 1        |
| 36) 1,1-Dichloropropene        | 6.41   | 75   | 115229   | 4.980   | ug/l # | 45       |
| 38) Carbon Tetrachloride       | 6.41   | 117  | 129812   | 6.359   | ug/l # | 15       |
| 81) trans-1,4-Dichloro-2-buten | 12.42  | 75   | 315020   | 113.018 | ug/l # | 13       |

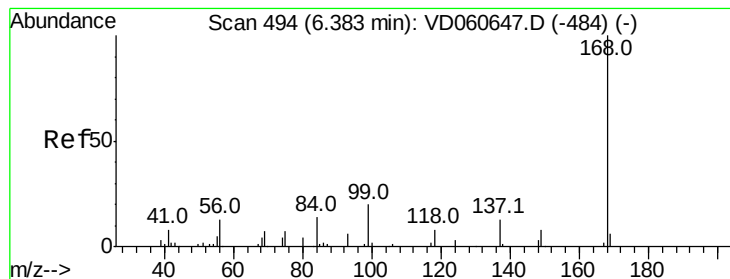
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122018\  
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Acq On : 20 Dec 2018 15:53  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1220SBL01

Quant Time: Dec 21 03:38:34 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 21 03:34:39 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060660.D

Acq: 20 Dec 2018 15:53

Instrument :

MSVOA\_D

ClientSampleId :

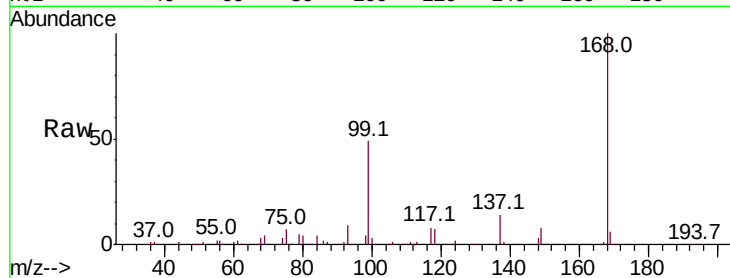
VD1220SBL01

Tot Ion:168 Resp: 1648227

Ion Ratio Lower Upper

168 100

99 49.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

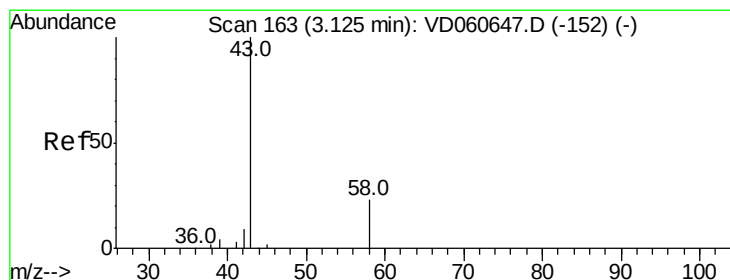
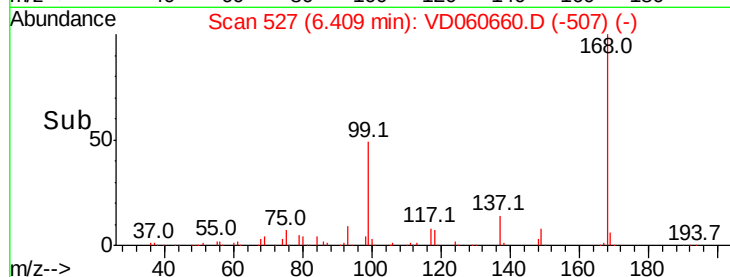
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 3.759 ug/l

RT: 3.16 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD060660.D

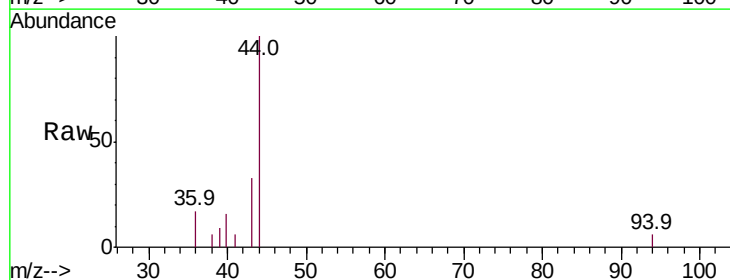
Acq: 20 Dec 2018 15:53

Tgt Ion: 43 Resp: 7477

Ion Ratio Lower Upper

43 100

58 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.16

2000

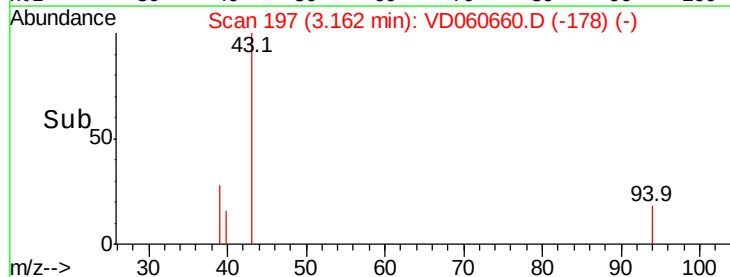
1500

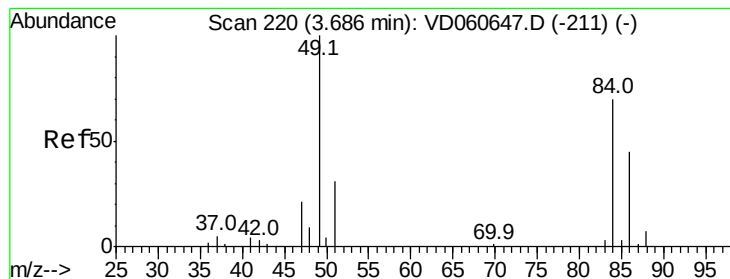
1000

500

0

Time-->





#20

Methylene Chloride

Concen: 2.988 ug/l

RT: 3.73 min Scan# 255

Delta R.T. 0.00 min

Lab File: VD060660.D

Acq: 20 Dec 2018 15:53

Instrument :

MSVOA\_D

ClientSampleId :

VD1220SBL01

Tot Ion: 84 Resp: 61726

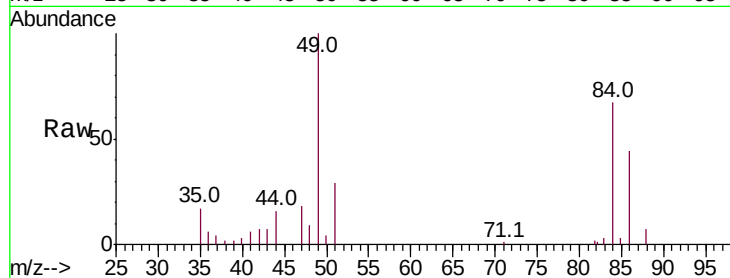
Ion Ratio Lower Upper

84 100

49 149.6 113.6 170.4

51 43.6 34.7 52.1

86 66.6 52.8 79.2

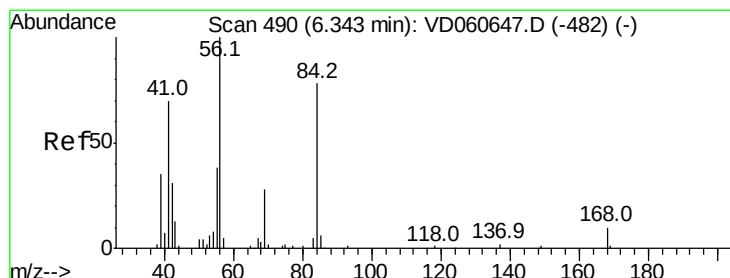
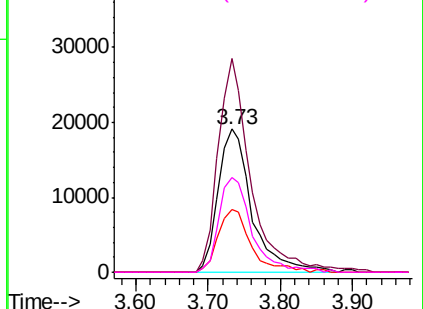
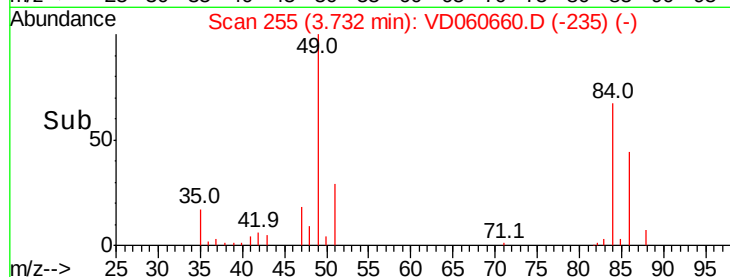


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31

Cyclohexane

Concen: 1.111 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.04 min

Lab File: VD060660.D

Acq: 20 Dec 2018 15:53

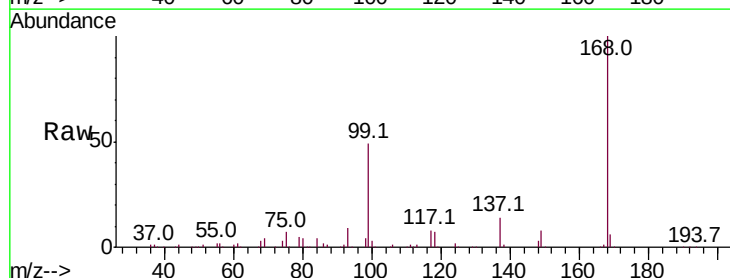
Tgt Ion: 56 Resp: 31948

Ion Ratio Lower Upper

56 100

69 232.2 23.6 35.4#

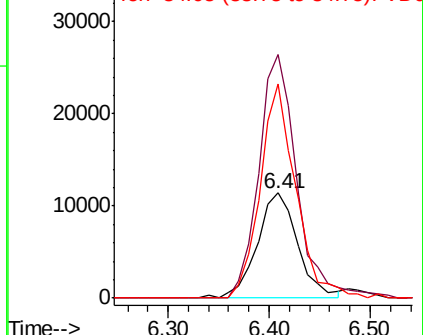
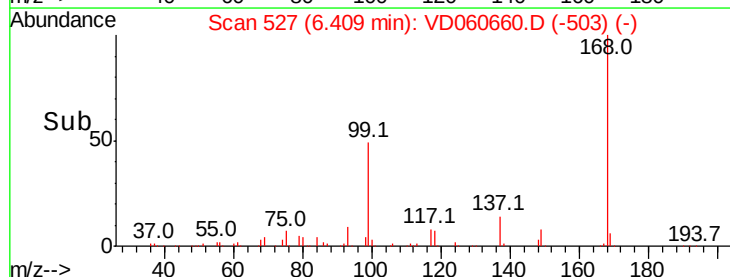
84 203.7 65.8 98.6#

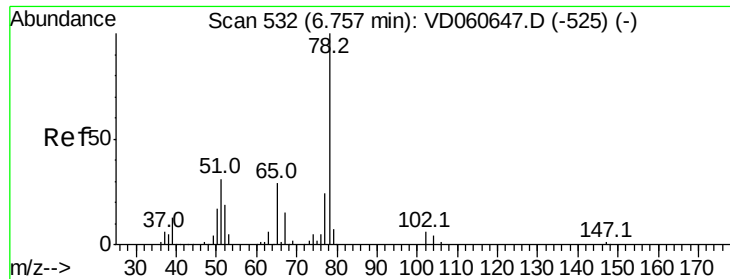


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

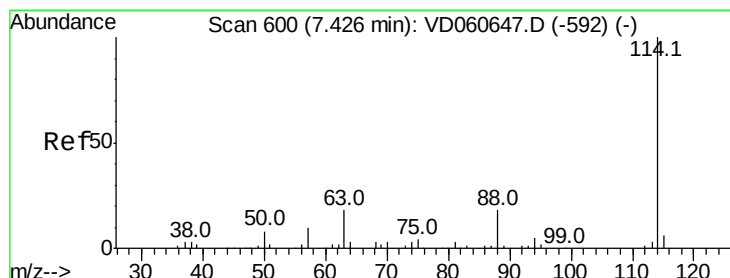
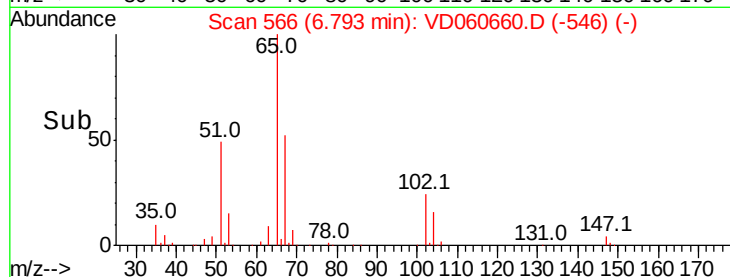
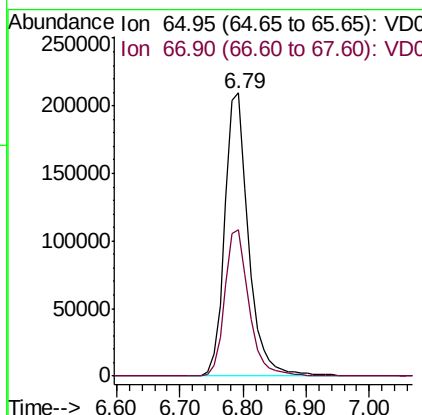
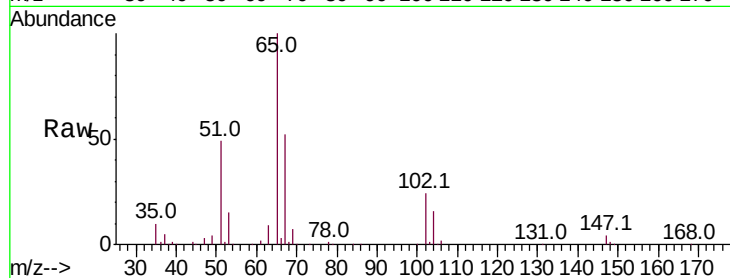




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.79 min Scan# 566  
 Delta R.T. 0.00 min  
 Lab File: VD060660.D  
 Acq: 20 Dec 2018 15:53

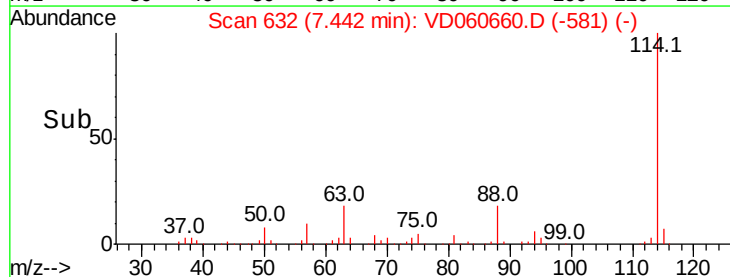
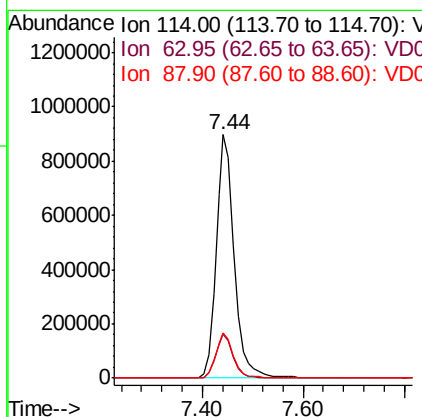
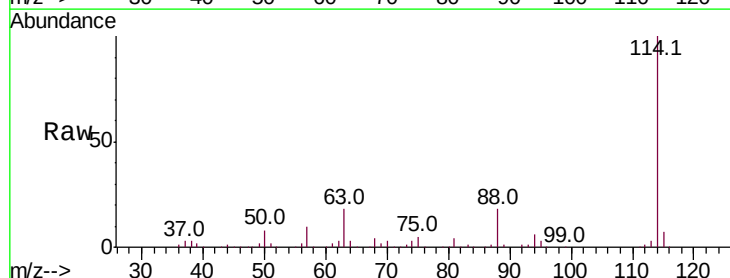
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1220SBL01

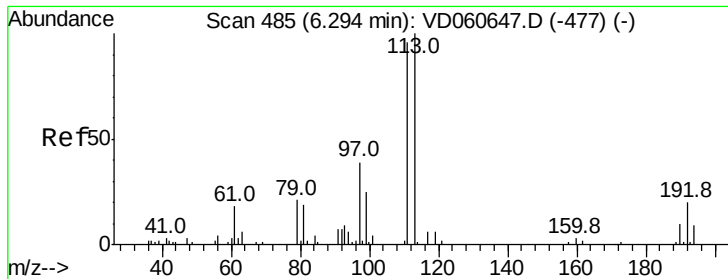
Tot Ion: 65 Resp: 545137  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 105.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.44 min Scan# 632  
 Delta R.T. 0.00 min  
 Lab File: VD060660.D  
 Acq: 20 Dec 2018 15:53

Tgt Ion:114 Resp: 2247183  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 36.2  
 88 18.4 0.0 37.0

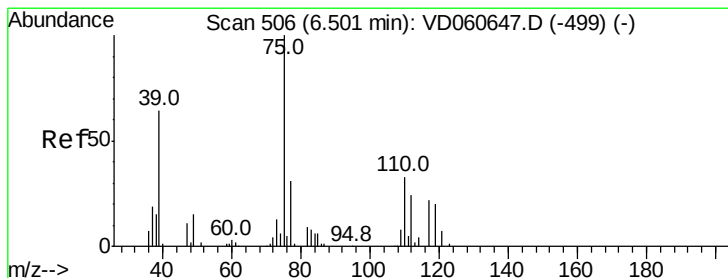
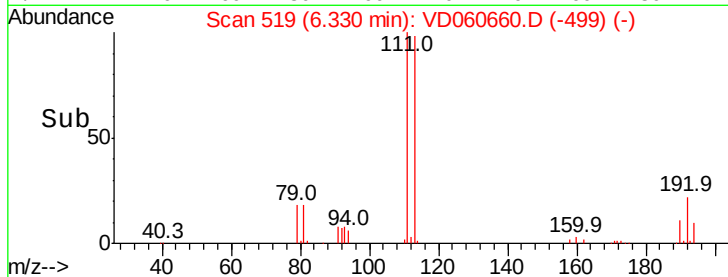
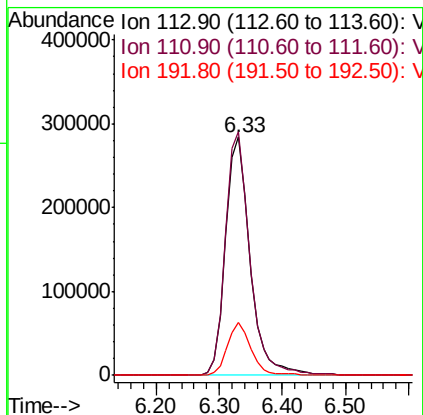
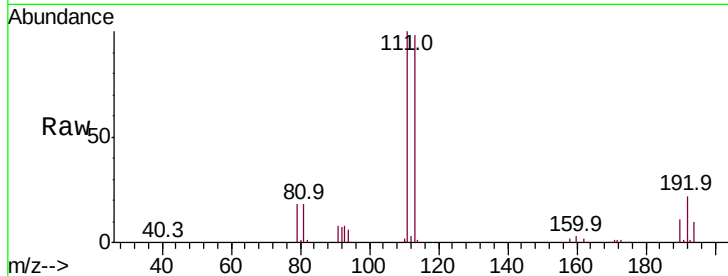




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.33 min Scan# 519  
 Delta R.T. 0.00 min  
 Lab File: VD060660.D  
 Acq: 20 Dec 2018 15:53

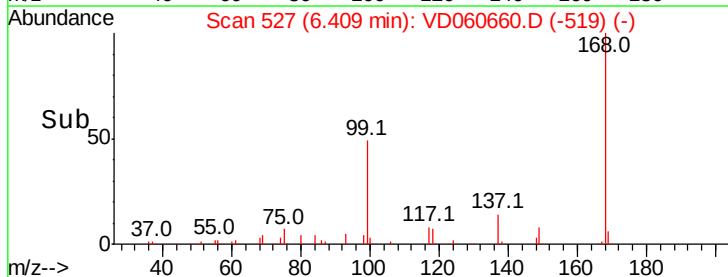
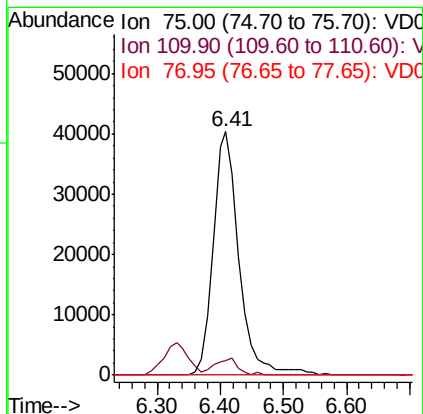
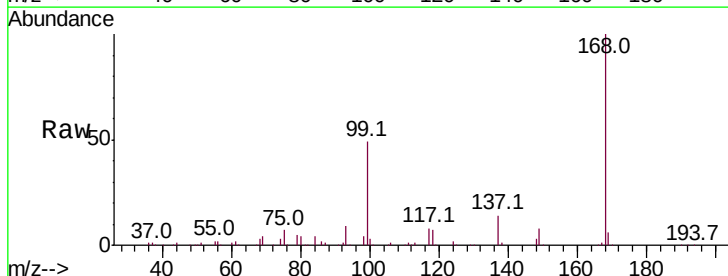
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1220SBL01

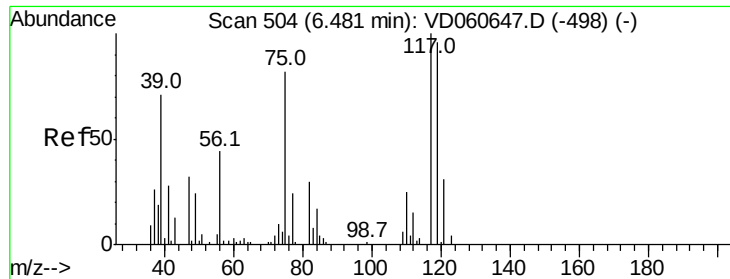
Tot Ion:113 Resp: 767876  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 80.0 120.0  
 192 22.5 16.6 25.0



#36  
 1,1-Dichloropropene  
 Concen: 4.980 ug/l  
 RT: 6.41 min Scan# 527  
 Delta R.T. -0.12 min  
 Lab File: VD060660.D  
 Acq: 20 Dec 2018 15:53

Tgt Ion: 75 Resp: 115229  
 Ion Ratio Lower Upper  
 75 100  
 110 6.2 18.9 56.7#  
 77 0.0 25.4 38.0#

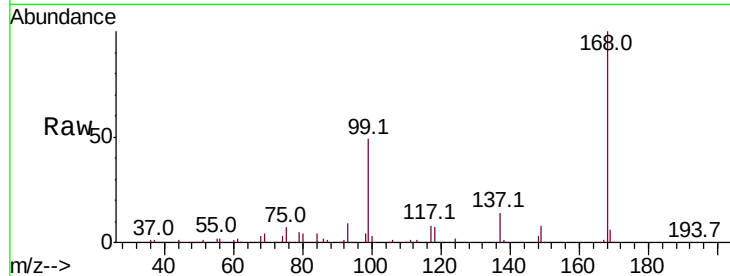




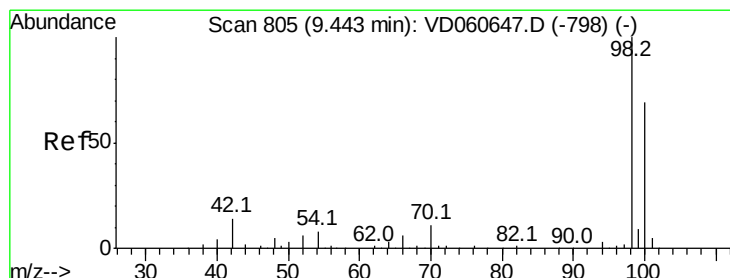
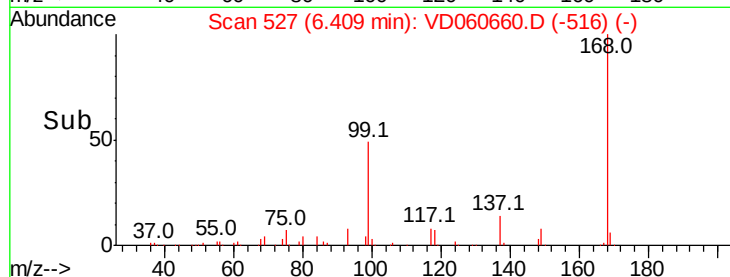
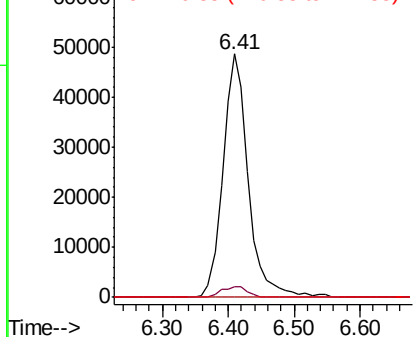
#38  
Carbon Tetrachloride  
Concen: 6.359 ug/l  
RT: 6.41 min Scan# 527  
Delta R.T. -0.09 min  
Lab File: VD060660.D  
Acq: 20 Dec 2018 15:53

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1220SBL01

Tot Ion:117 Resp: 129812  
Ion Ratio Lower Upper  
117 100  
119 4.2 77.0 115.4#  
121 0.0 24.7 37.1#

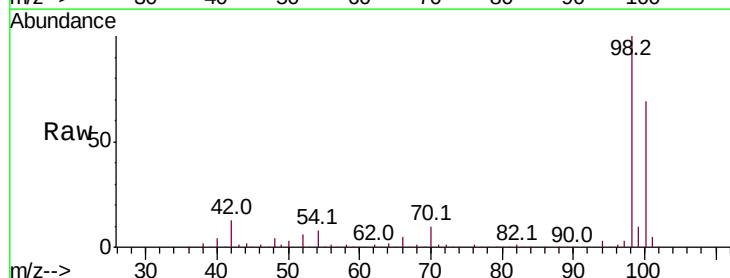


Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V

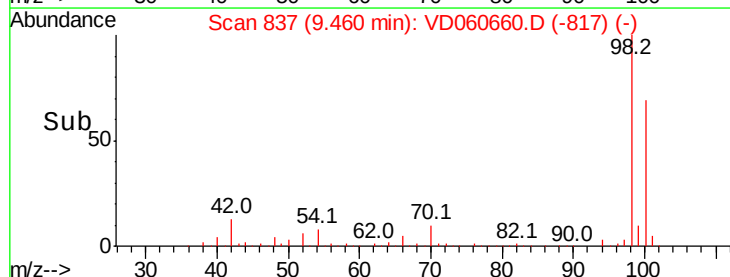
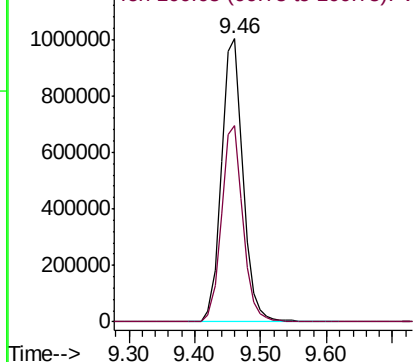


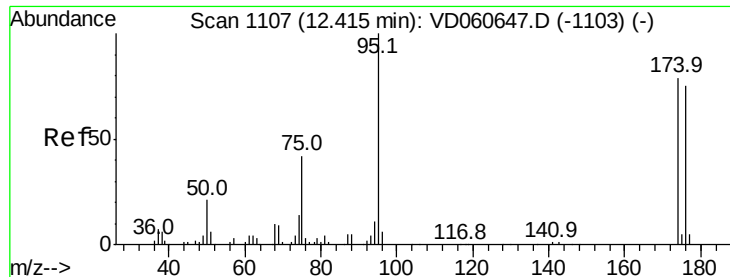
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.46 min Scan# 837  
Delta R.T. 0.00 min  
Lab File: VD060660.D  
Acq: 20 Dec 2018 15:53

Tgt Ion: 98 Resp: 2293397  
Ion Ratio Lower Upper  
98 100  
100 69.3 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VD





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VD060660.D

Acq: 20 Dec 2018 15:53

Instrument :

MSVOA\_D

ClientSampleId :

VD1220SBL01

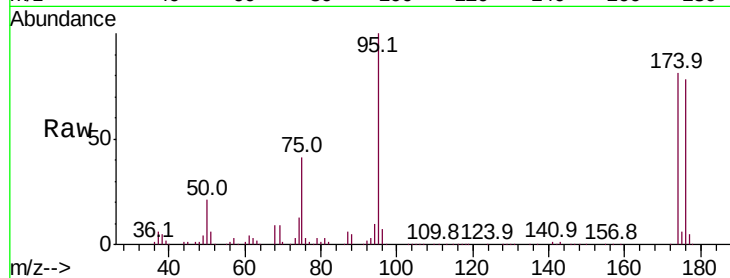
Tot Ion: 95 Resp: 799652

Ion Ratio Lower Upper

95 100

174 80.6 0.0 158.2

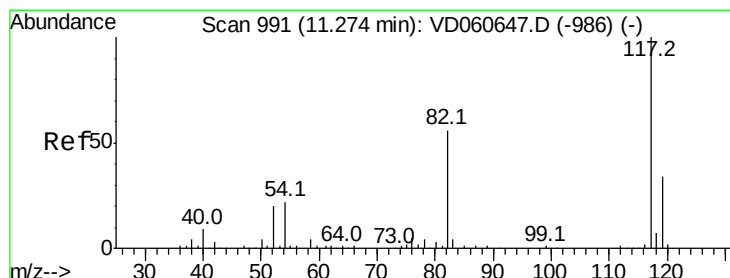
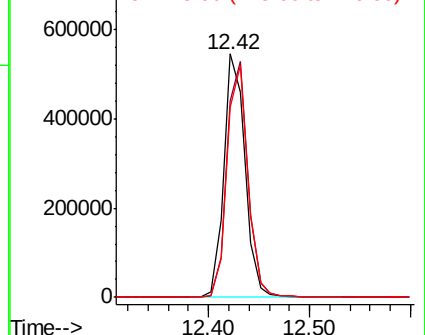
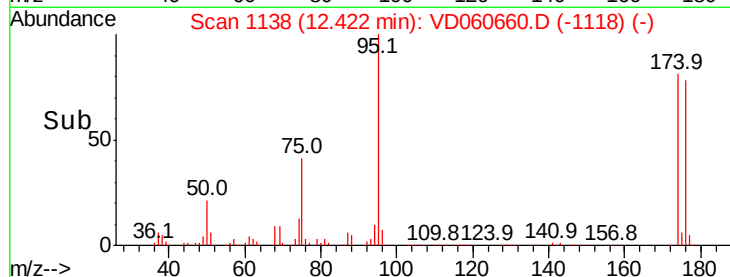
176 78.2 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 1022

Delta R.T. 0.00 min

Lab File: VD060660.D

Acq: 20 Dec 2018 15:53

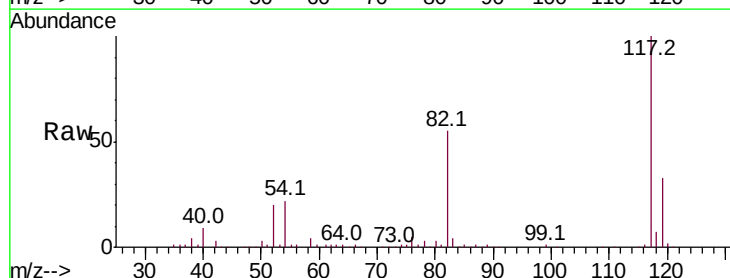
Tgt Ion: 117 Resp: 1773983

Ion Ratio Lower Upper

117 100

82 54.6 44.5 66.7

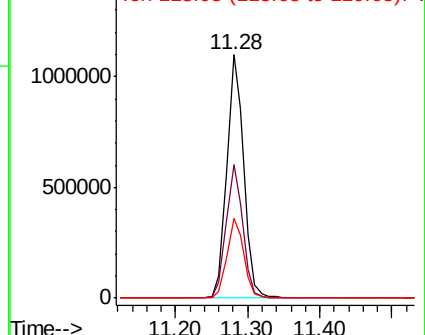
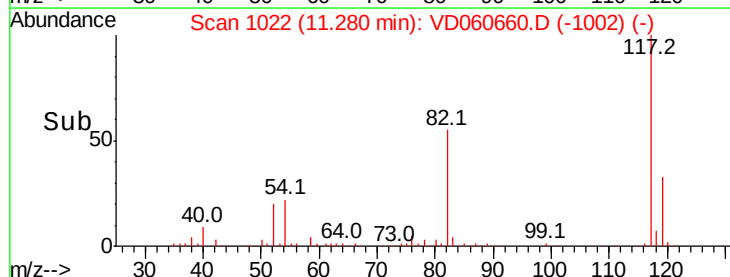
119 32.9 26.3 39.5



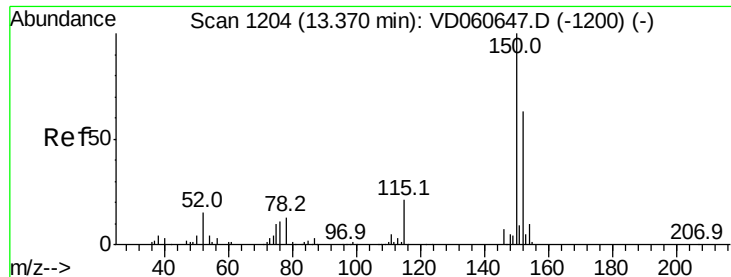
Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





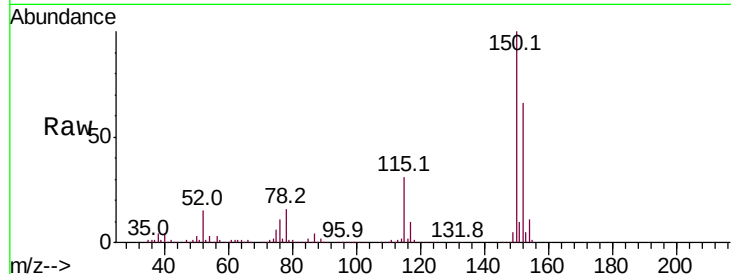


#72

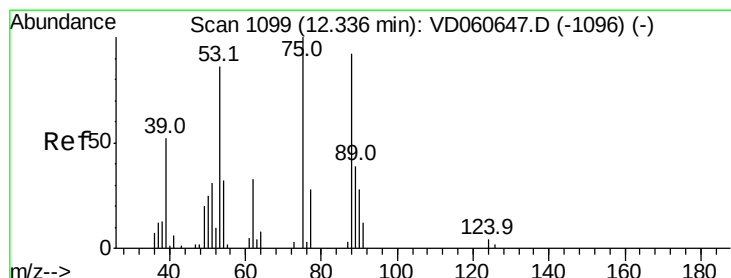
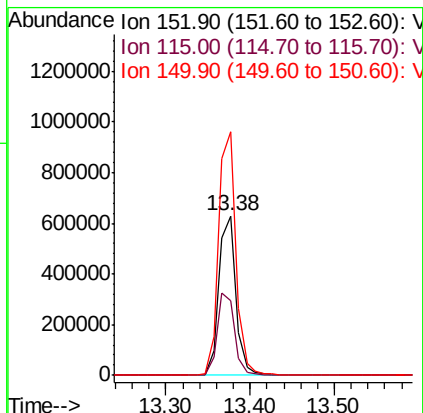
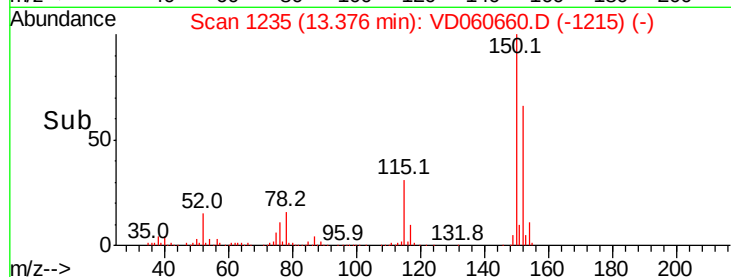
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.38 min Scan# 1235  
Delta R.T. 0.00 min  
Lab File: VD060660.D  
Acq: 20 Dec 2018 15:53

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1220SBL01

Tot Ion:152 Resp: 886020  
Ion Ratio Lower Upper  
152 100  
115 47.1 24.1 72.3  
150 152.6 0.0 315.0



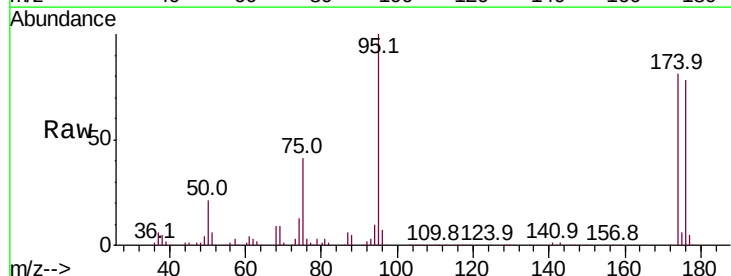
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene  
Concen: 113.018 ug/l  
RT: 12.42 min Scan# 1138  
Delta R.T. 0.08 min  
Lab File: VD060660.D  
Acq: 20 Dec 2018 15:53

Tgt Ion: 75 Resp: 315020  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.1 108.1#  
89 0.0 35.1 52.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 89.00 (88.70 to 89.70): VDC

