

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD012920\  
 Data File : VD064997.D  
 Acq On : 29 Jan 2020 15:59  
 Operator : VA/SY  
 Sample : L1313-01  
 Misc : 7.78G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-36

Quant Time: Jan 29 17:04:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D012320S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 13:45:59 2020  
 Response via : Initial Calibration

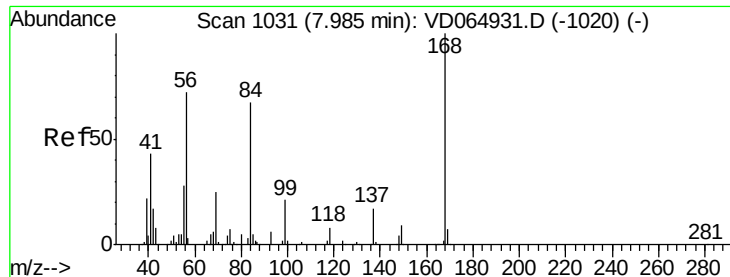
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.99  | 168  | 514282   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 824521   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 794903   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 373183   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 243257   | 49.31 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.62%  |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 253628   | 48.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.90%  |          |
| 50) Toluene-d8              | 10.34 | 98   | 999072   | 49.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.92%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 341376   | 55.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.56% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 16) Acetone                    | 4.17  | 43   | 3470     | 16.19     | ug/l # | 85     |
| 20) Methylene Chloride         | 4.97  | 84   | 13458    | Below Cal | #      | 91     |
| 31) Cyclohexane                | 7.98  | 56   | 11885    | 1.38      | ug/l # | 17     |
| 36) 1,1-Dichloropropene        | 7.99  | 75   | 39009    | 4.91      | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.98  | 117  | 48946    | 5.82      | ug/l # | 19     |
| 71) Bromoform                  | 12.64 | 173  | 3593     | 1.06      | ug/l # | 28     |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 179728   | 58.02     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75   | 179728   | 123.90    | ug/l # | 9      |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_D\DATA\VD012920\  
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Sample : L1313-01  
Misc : 7.78G/5.00ml/MSV0A\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

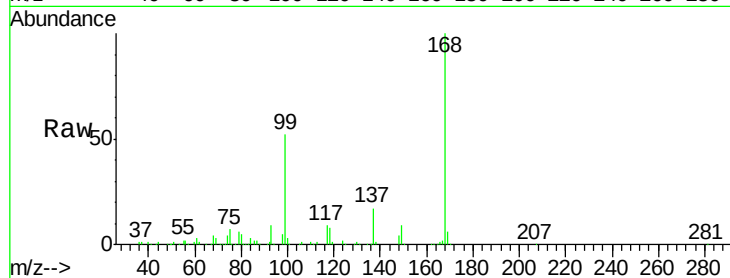
RBR-36

Tgt Ion:168 Resp: 514282

Ion Ratio Lower Upper

168 100

99 52.0 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

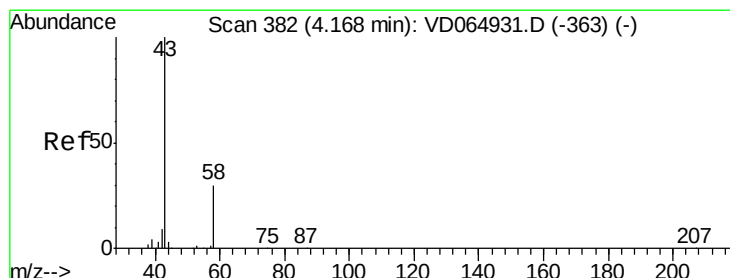
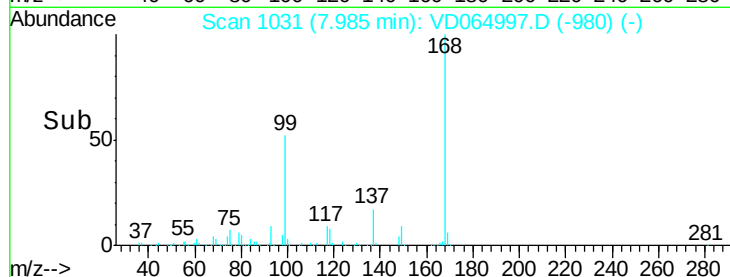
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 16.19 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064997.D

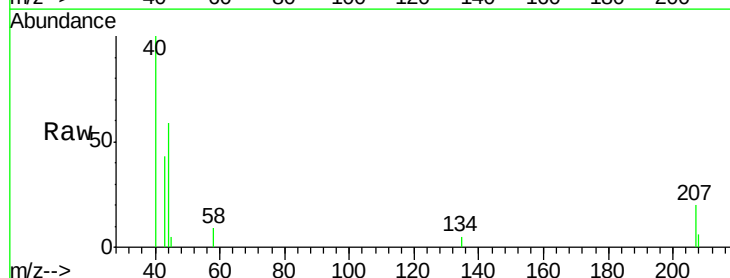
Acq: 29 Jan 2020 15:59

Tgt Ion: 43 Resp: 3470

Ion Ratio Lower Upper

43 100

58 21.7 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

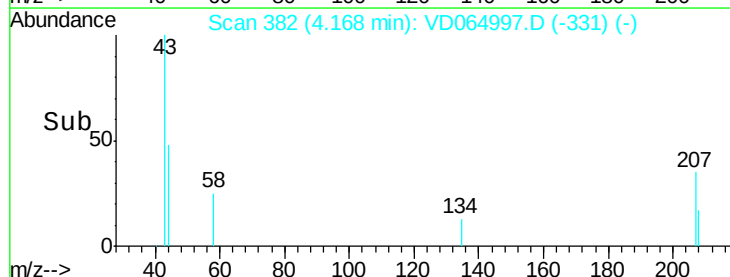
1500

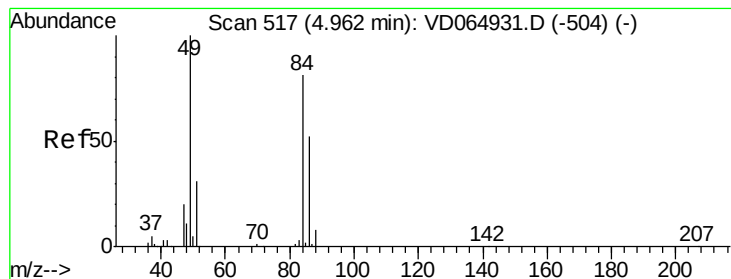
1000

500

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

RBR-36

Tgt Ion: 84 Resp: 13458

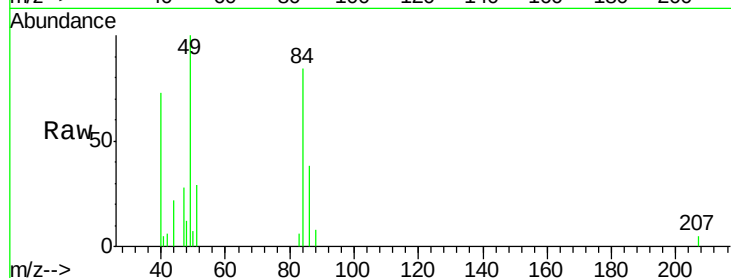
Ion Ratio Lower Upper

84 100

49 119.4 98.4 147.6

51 35.1 30.8 46.2

86 45.6 51.0 76.6#

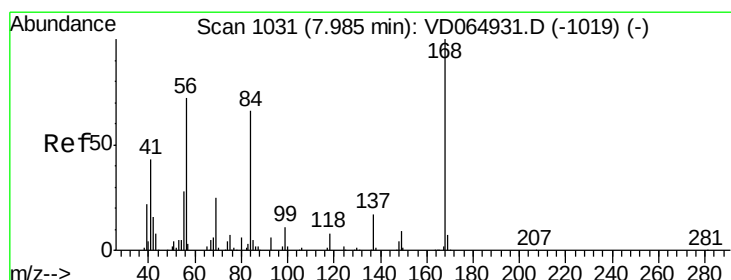
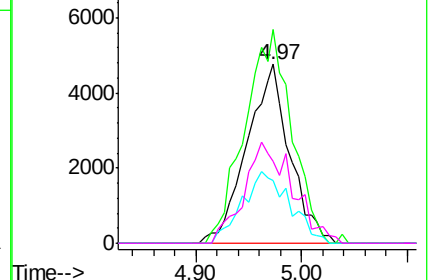
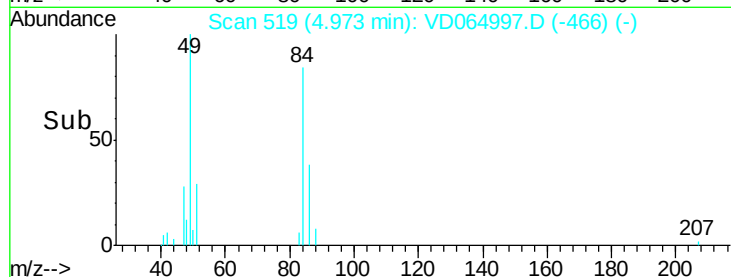


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.38 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

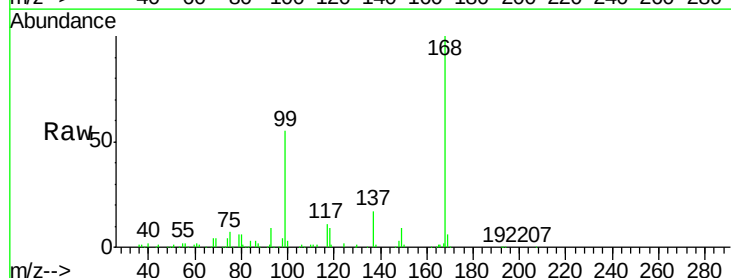
Tgt Ion: 56 Resp: 11885

Ion Ratio Lower Upper

56 100

69 161.0 27.9 41.9#

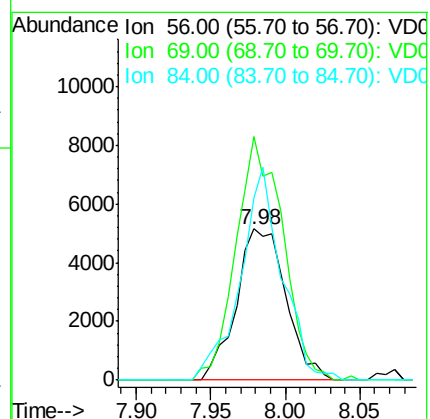
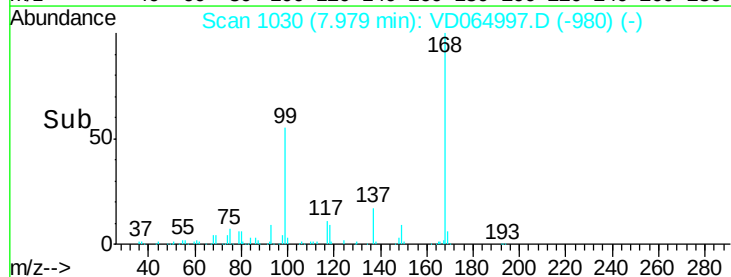
84 120.2 72.8 109.2#

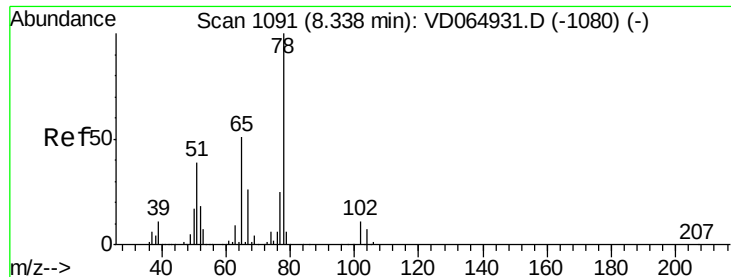


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

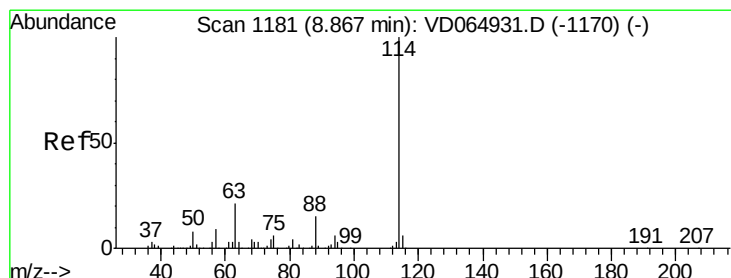
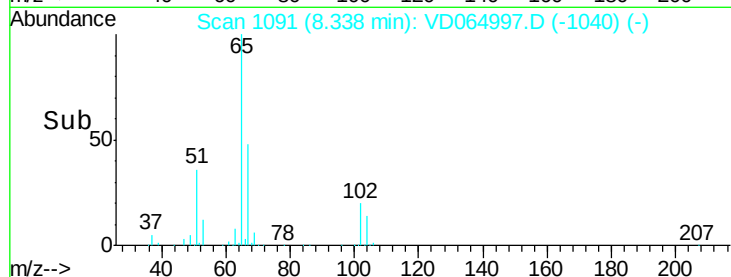
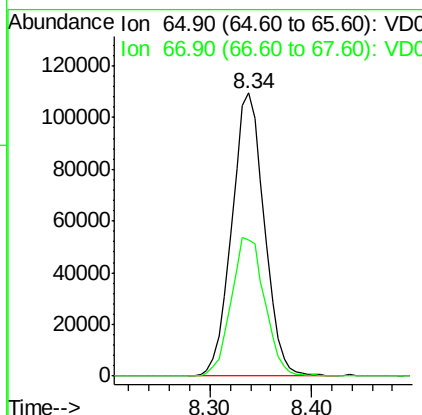
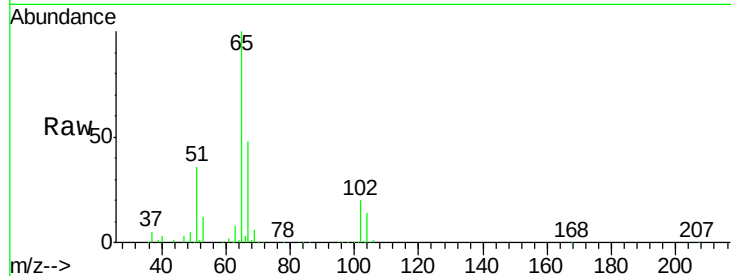




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.31 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.00 min  
 Lab File: VD064997.D  
 Acq: 29 Jan 2020 15:59

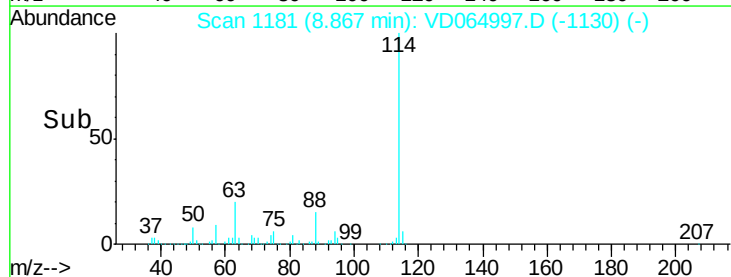
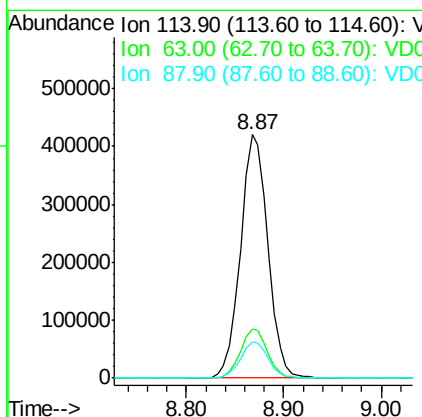
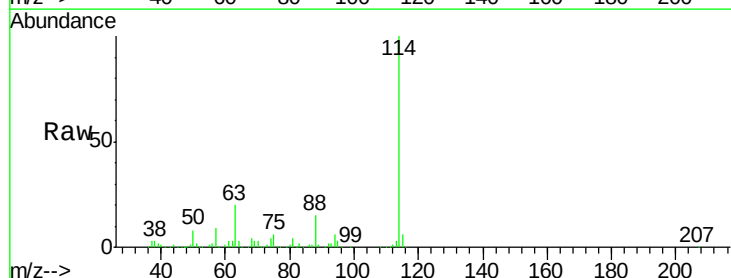
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-36

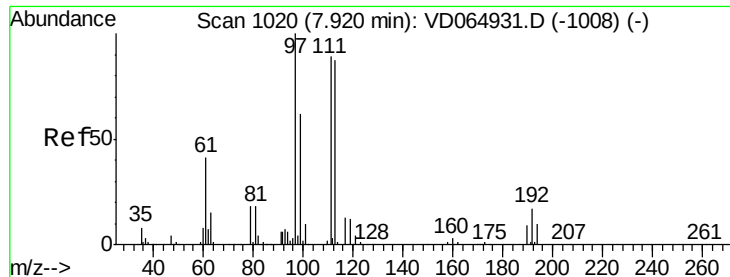
Tgt Ion: 65 Resp: 243257  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064997.D  
 Acq: 29 Jan 2020 15:59

Tgt Ion: 114 Resp: 824521  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 42.0  
 88 14.6 0.0 29.4

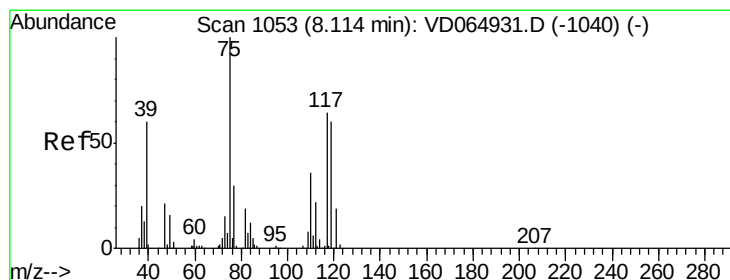
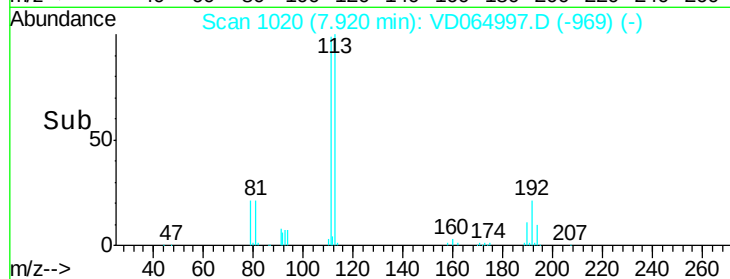
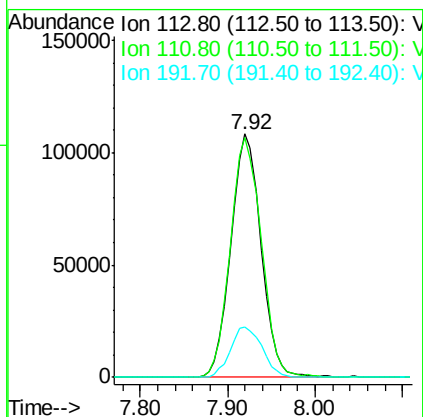
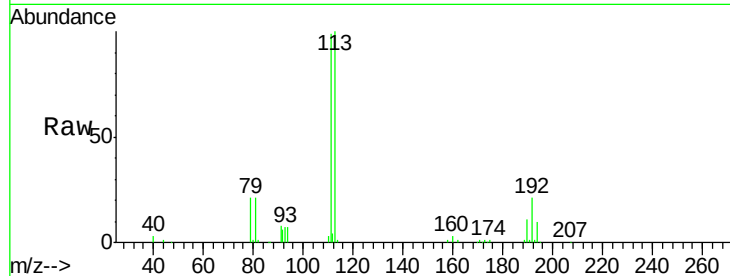




#35  
 Dibromofluoromethane  
 Concen: 48.95 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD064997.D  
 Acq: 29 Jan 2020 15:59

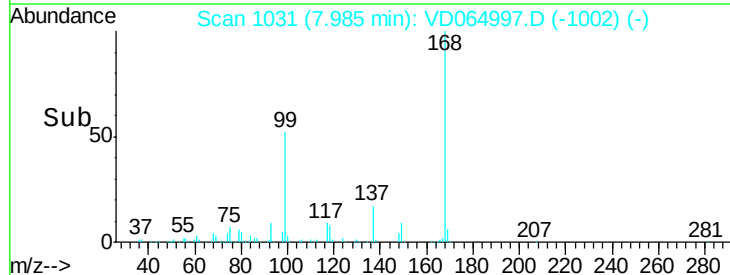
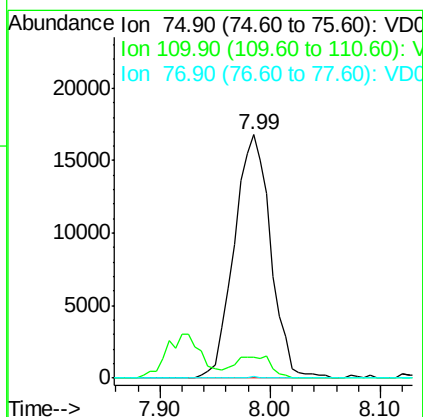
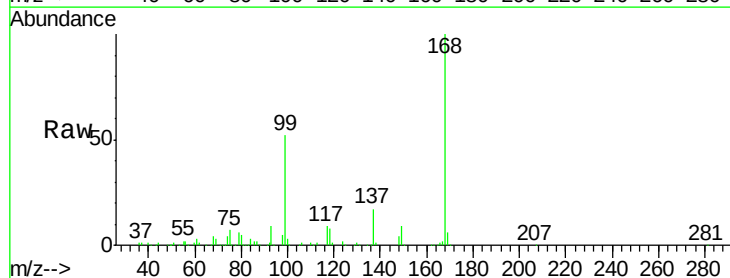
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RBR-36

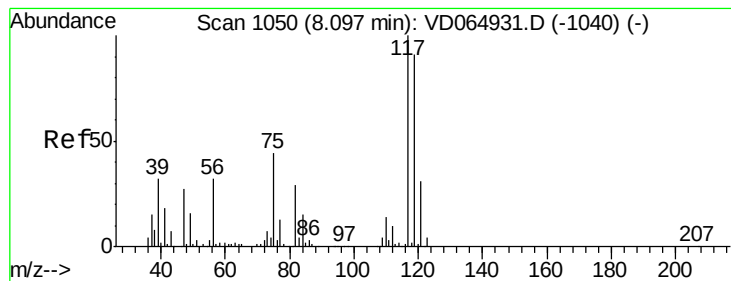
Tgt Ion: 113 Resp: 253628  
 Ion Ratio Lower Upper  
 113 100  
 111 101.2 82.4 123.6  
 192 21.7 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 4.91 ug/l  
 RT: 7.99 min Scan# 1031  
 Delta R.T. -0.13 min  
 Lab File: VD064997.D  
 Acq: 29 Jan 2020 15:59

Tgt Ion: 75 Resp: 39009  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 17.3 52.0#  
 77 0.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.82 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

RBR-36

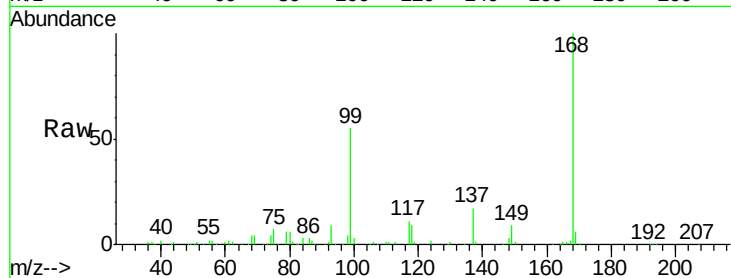
Tgt Ion:117 Resp: 48946

Ion Ratio Lower Upper

117 100

119 6.0 73.2 109.8#

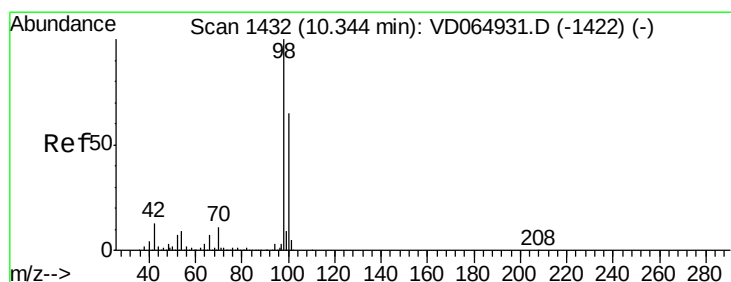
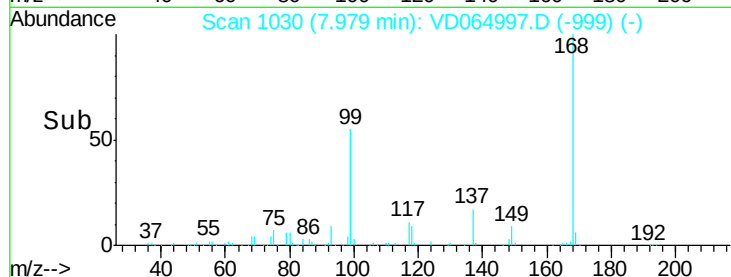
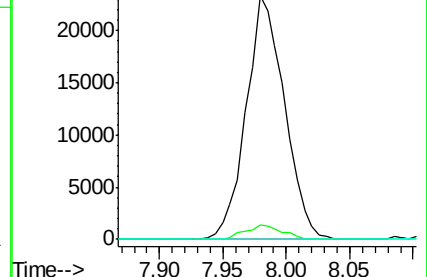
121 0.0 24.4 36.6#



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: 49.96 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064997.D

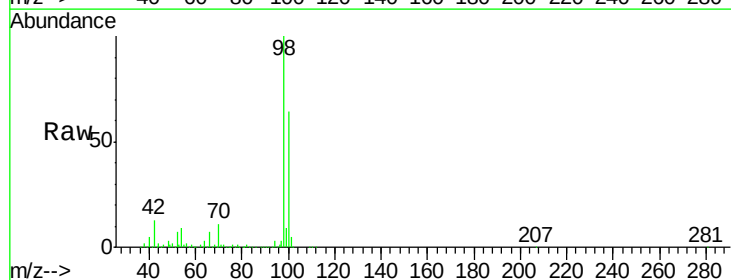
Acq: 29 Jan 2020 15:59

Tgt Ion: 98 Resp: 999072

Ion Ratio Lower Upper

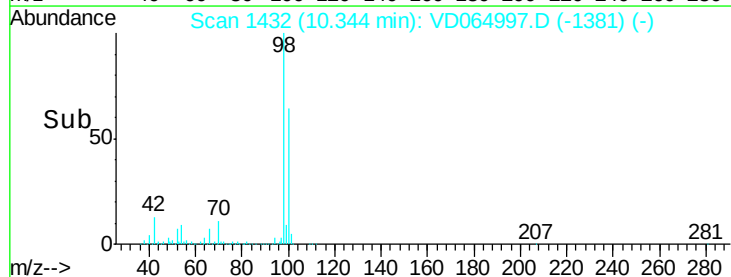
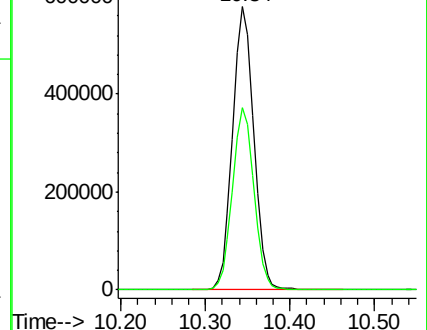
98 100

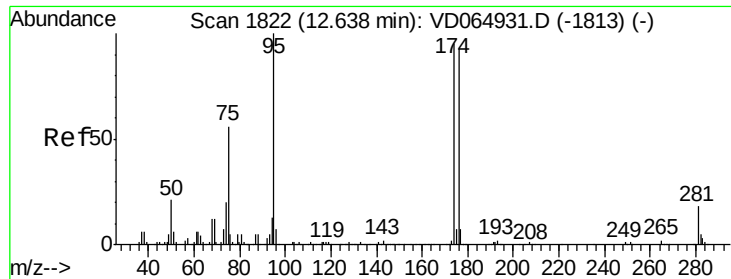
100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

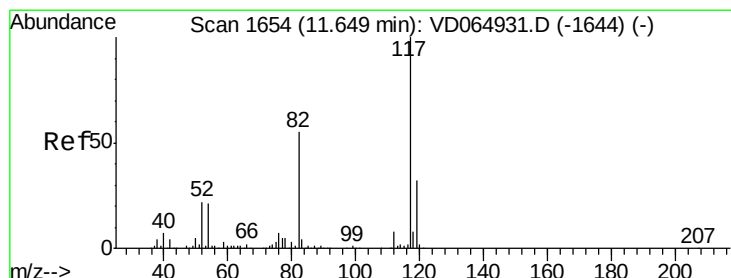
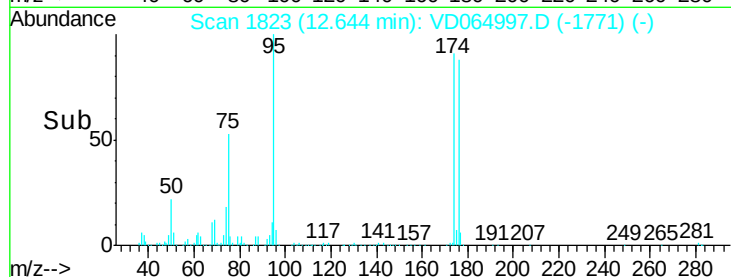
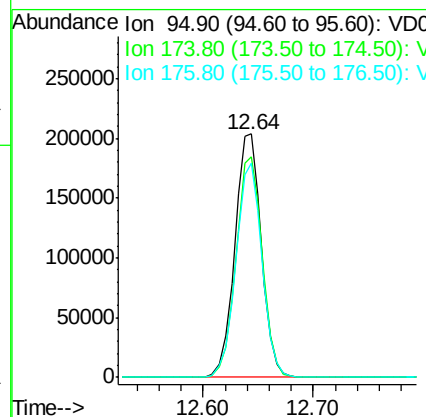
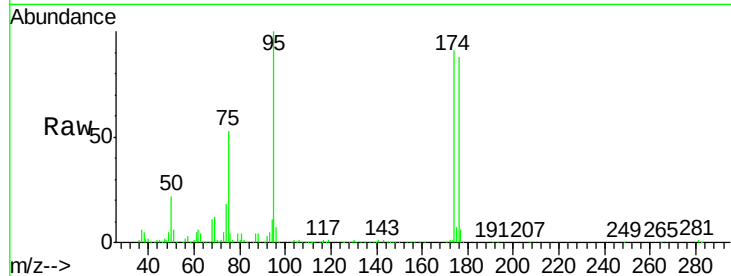




#62  
4-Bromofluorobenzene  
Concen: 55.78 ug/l  
RT: 12.64 min Scan# 1823  
Delta R.T. 0.01 min  
Lab File: VD064997.D  
Acq: 29 Jan 2020 15:59

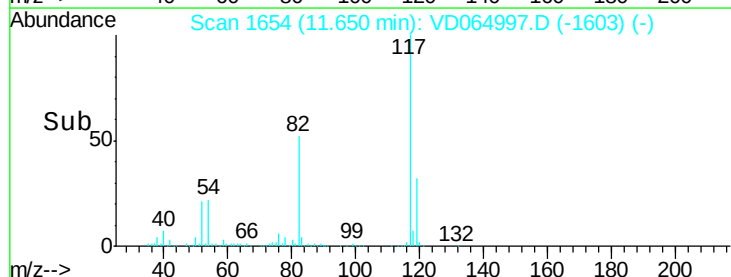
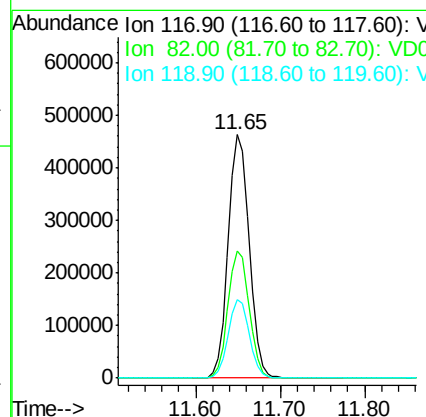
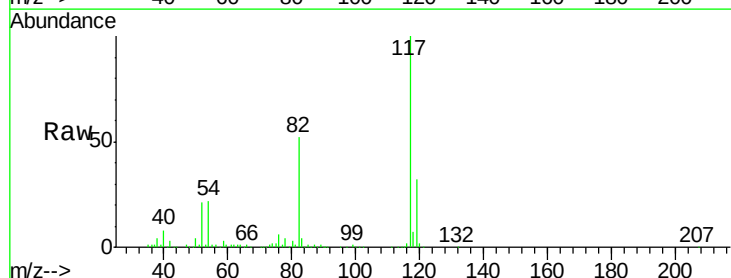
Instrument :  
MSVOA\_D  
ClientSampleId :  
RBR-36

Tgt Ion: 95 Resp: 341376  
Ion Ratio Lower Upper  
95 100  
174 90.2 0.0 186.8  
176 86.5 0.0 183.4

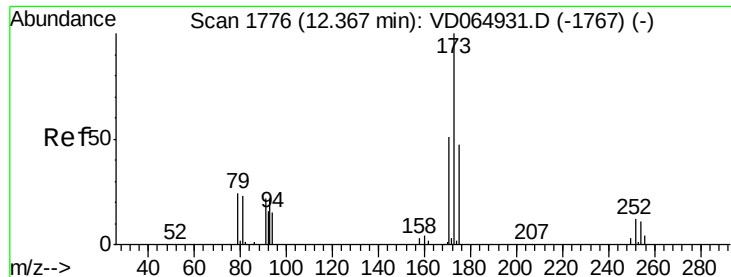


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064997.D  
Acq: 29 Jan 2020 15:59

Tgt Ion: 117 Resp: 794903  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.6 65.4  
119 32.3 25.2 37.8







#71

Bromoform

Concen: 1.06 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

RBR-36

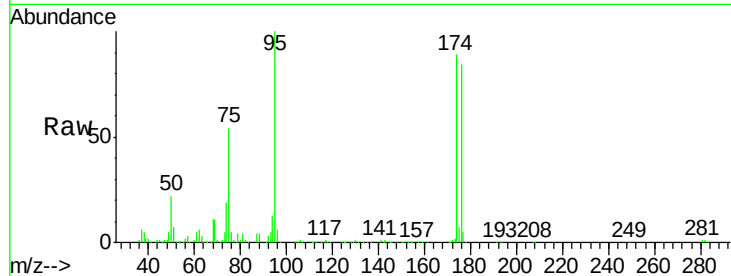
Tgt Ion:173 Resp: 3593

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

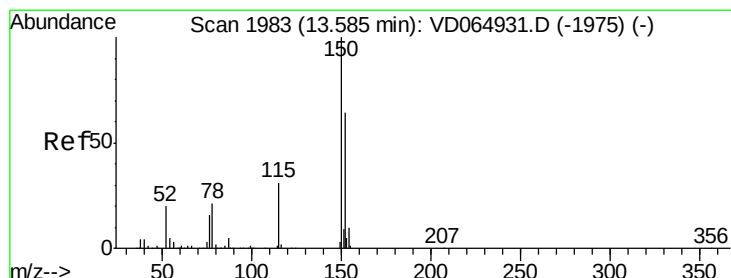
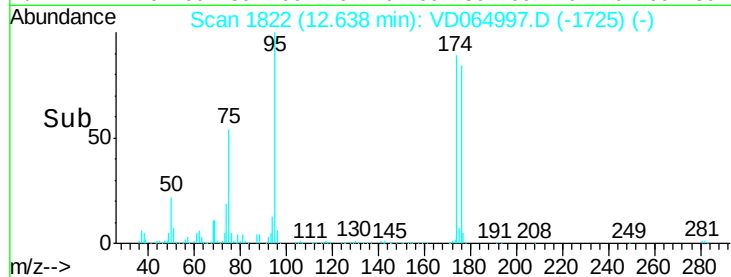
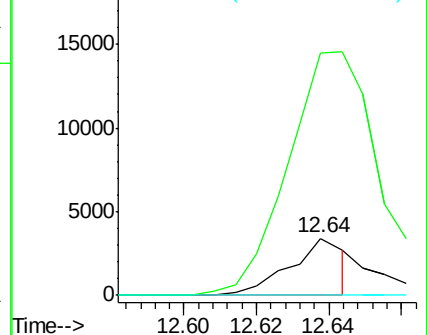
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

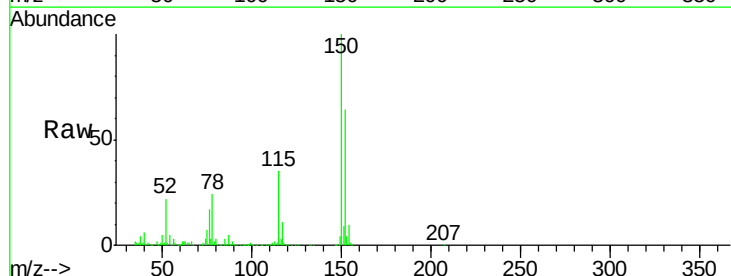
Tgt Ion:152 Resp: 373183

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.4

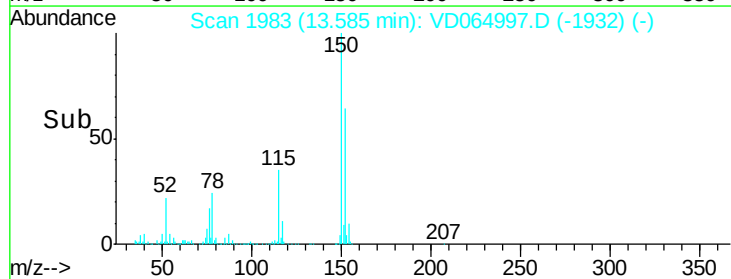
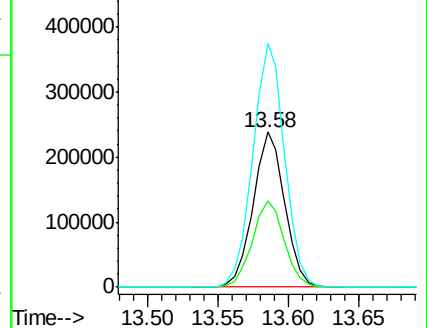
150 158.4 0.0 350.4

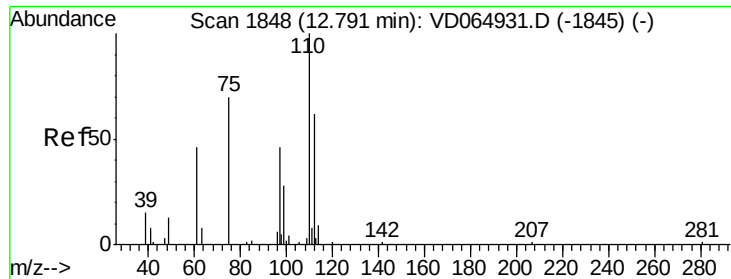


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 58.02 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

Instrument :

MSVOA\_D

ClientSampleId :

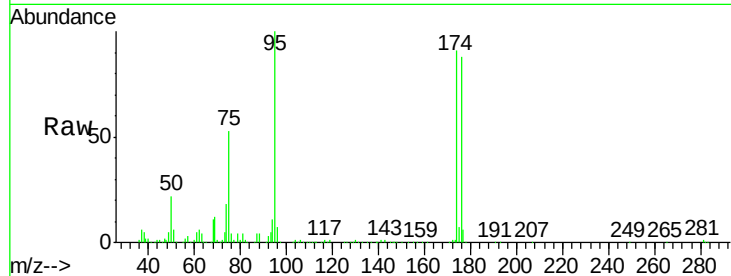
RBR-36

Tgt Ion: 75 Resp: 179728

Ion Ratio Lower Upper

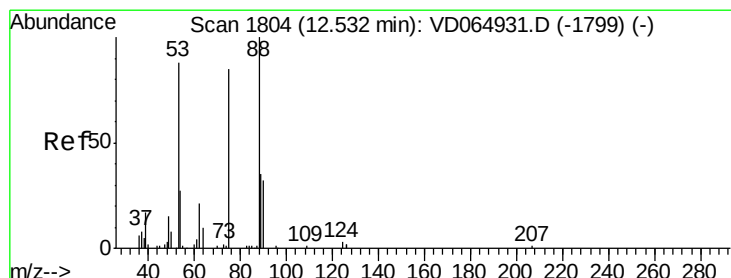
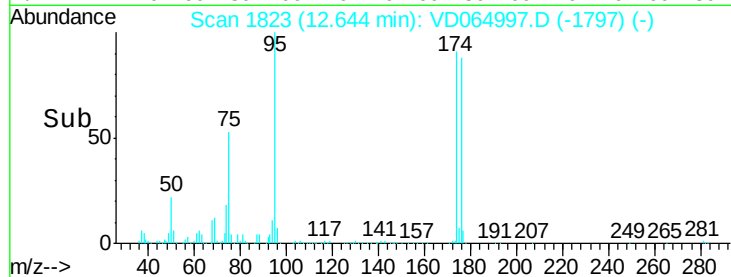
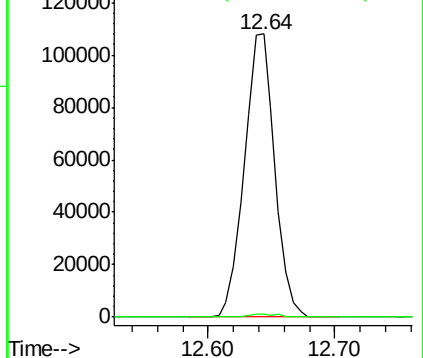
75 100

77 1.3 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: 123.90 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064997.D

Acq: 29 Jan 2020 15:59

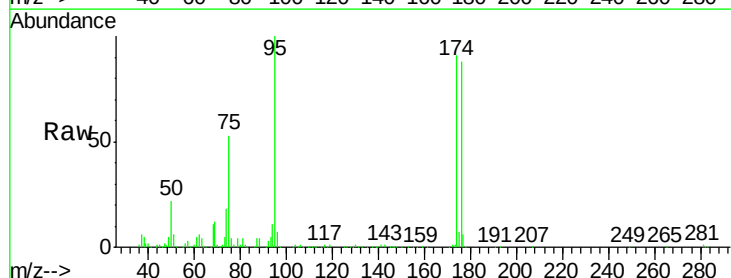
Tgt Ion: 75 Resp: 179728

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

