

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062641.D
 Acq On : 7 Jun 2019 13:42
 Operator : FY/SY
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 00:14:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	767610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1004121	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	890553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	458187	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	545945	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	6.92	113	563198	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.40	98	1183274	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	13.55	95	540631	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	

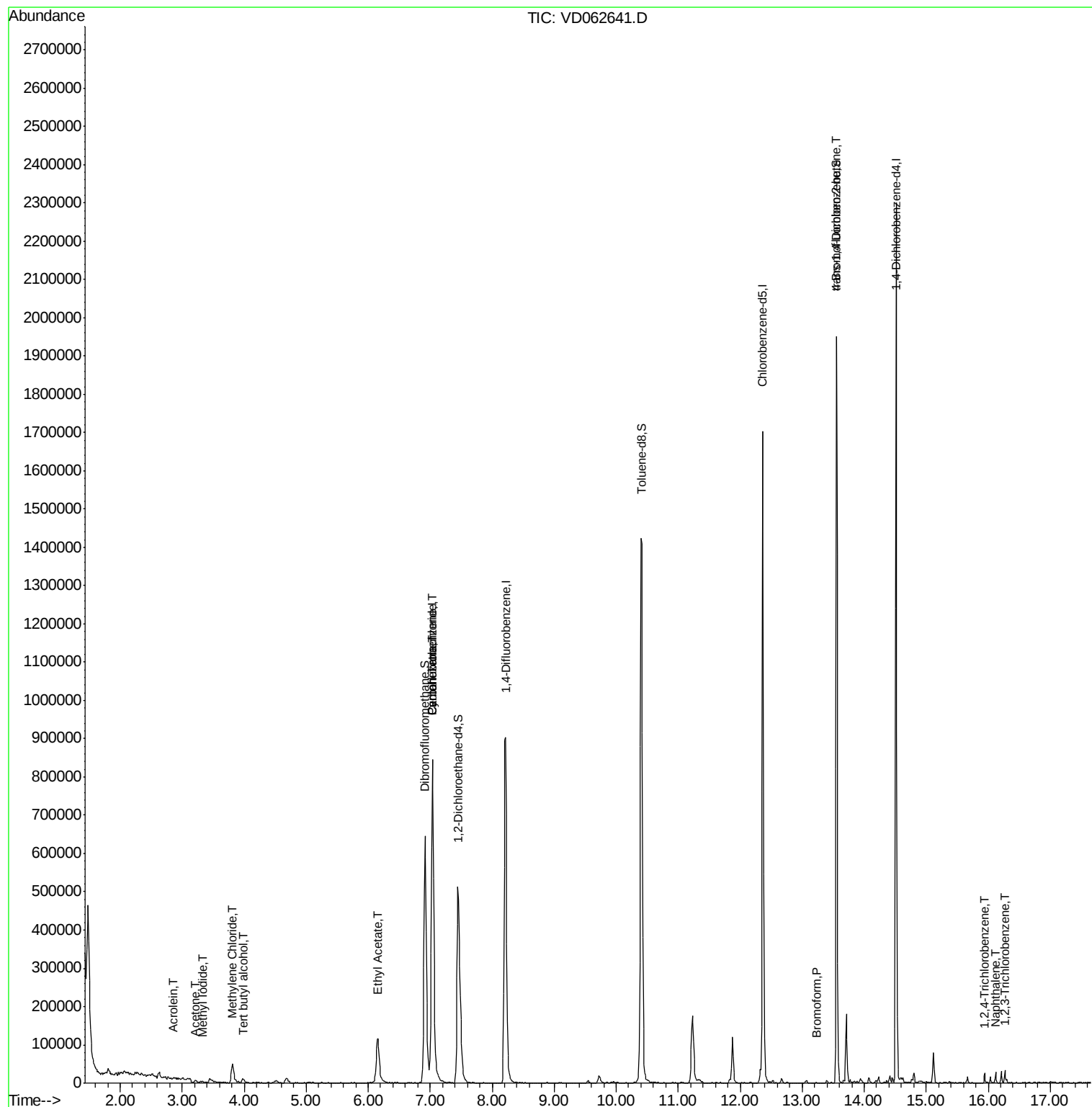
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1886	Below Cal		90
10) Methyl Iodide	3.32	142	3014	4.211	ug/l #	53
11) Tert butyl alcohol	3.99	59	8830	19.394	ug/l #	61
13) Acrolein	2.86	56	246	1.680	ug/l	95
16) Acetone	3.22	43	10725	5.288	ug/l #	81
20) Methylene Chloride	3.82	84	31582	3.712	ug/l #	87
31) Cyclohexane	7.04	56	21104	2.414	ug/l #	21
37) Ethyl Acetate	6.17	43	5902	2.376	ug/l #	15
38) Carbon Tetrachloride	7.04	117	83887	4.618	ug/l #	17
71) Bromoform	13.23	173	518	2.899	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.55	75	259409	133.728	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	8296	4.221	ug/l	87
95) Naphthalene	16.12	128	16365	4.366	ug/l #	83
96) 1,2,3-Trichlorobenzene	16.27	180	8151	1.018	ug/l	91

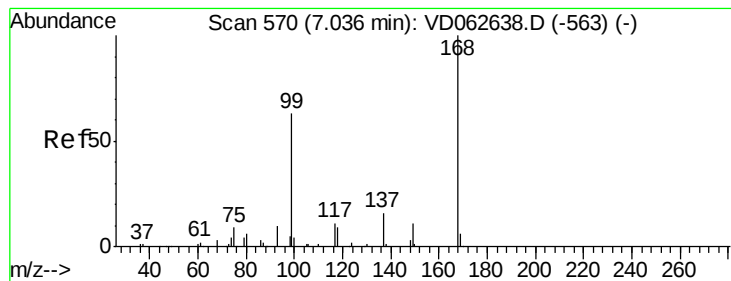
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
Data File : VD062641.D
Acq On : 7 Jun 2019 13:42
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Sample : VIBLK
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

Instrument :

MSVOA_D

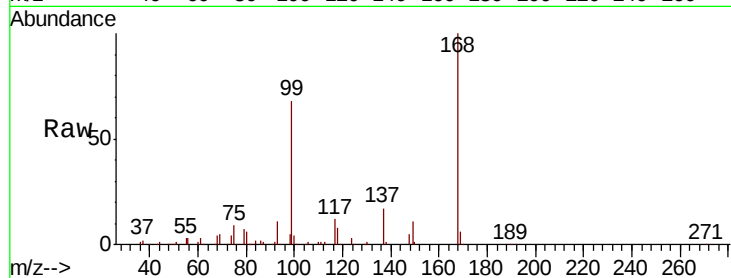
ClientSampleId :

Tot Ion:168 Resp: 767610

Ion Ratio Lower Upper

168 100

99 67.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

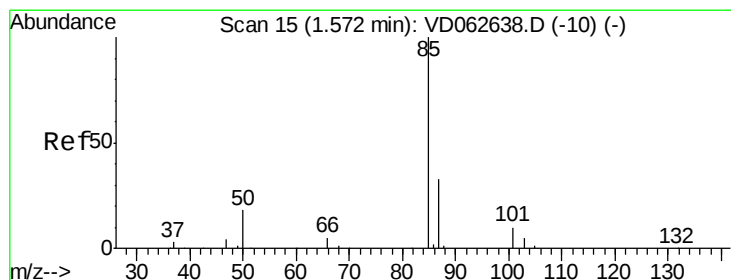
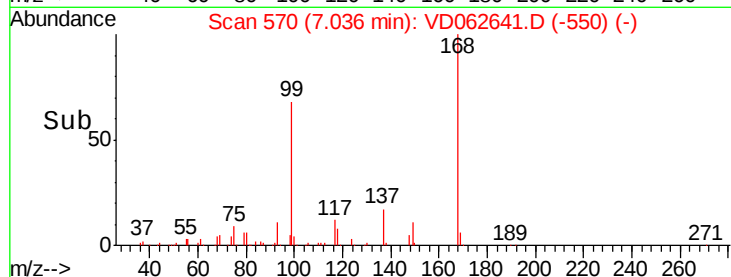
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062641.D

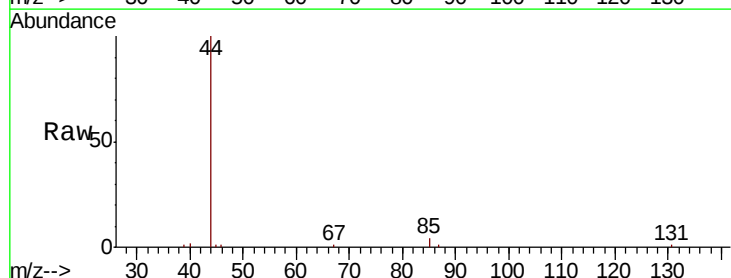
Acq: 7 Jun 2019 13:42

Tgt Ion: 85 Resp: 1886

Ion Ratio Lower Upper

85 100

87 27.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

2000

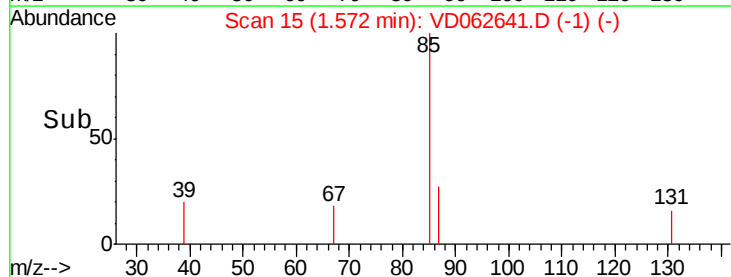
1500

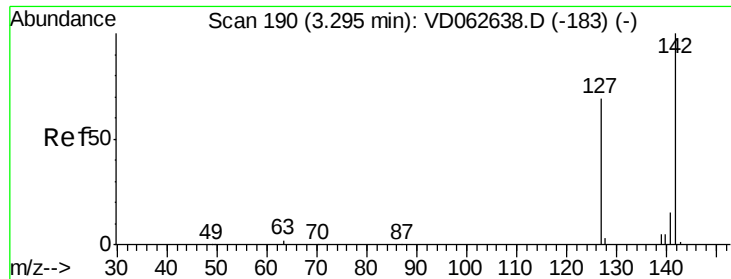
1000

500

0

Time-->

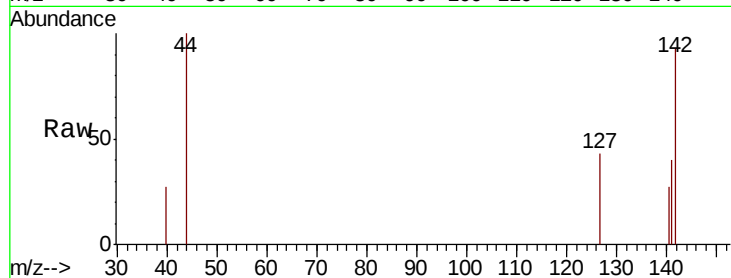




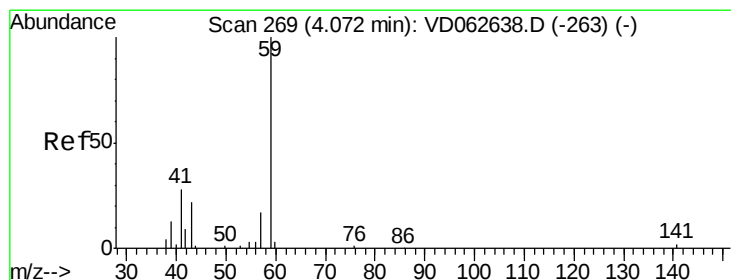
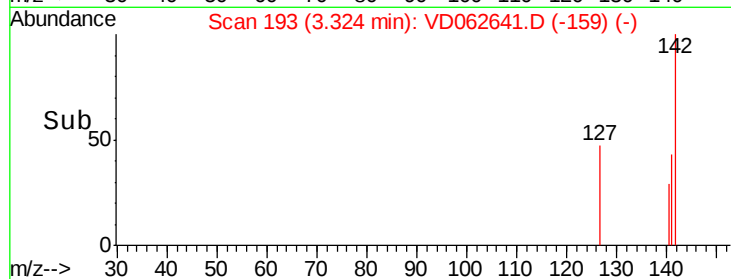
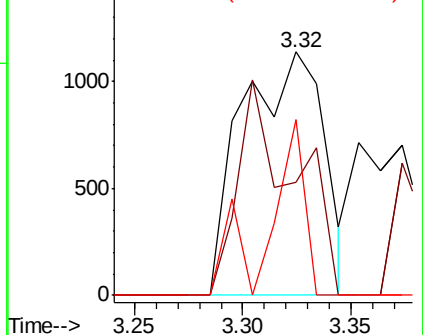
#10
Methyl Iodide
Concen: 4.211 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 3014
Ion Ratio Lower Upper
142 100
127 46.7 55.2 82.8#
141 72.2 12.1 18.1#

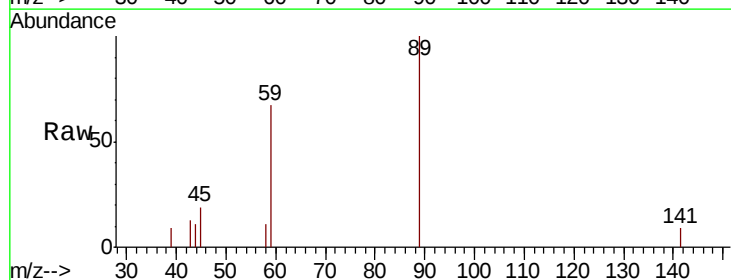


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

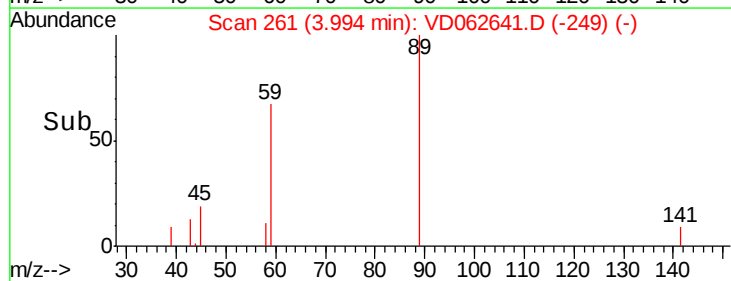
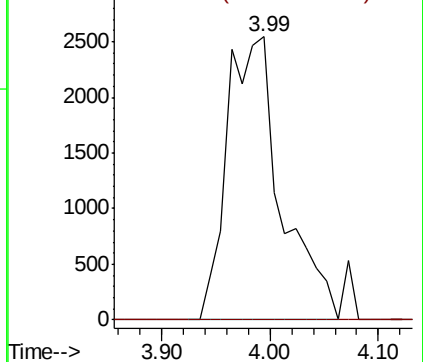


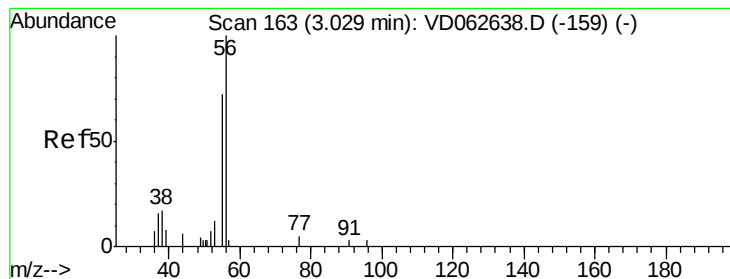
#11
Tert butyl alcohol
Concen: 19.394 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.08 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

Tgt Ion: 59 Resp: 8830
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.680 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.17 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

Instrument :

MSVOA_D

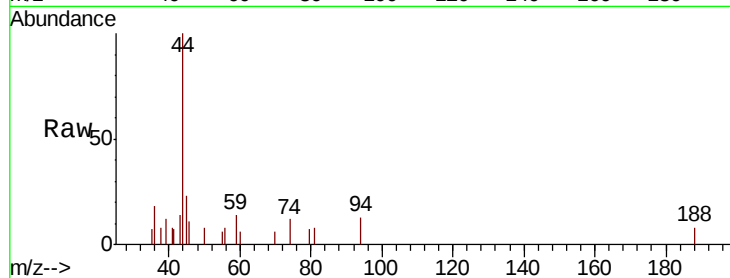
ClientSampled :

Tot Ion: 56 Resp: 246

Ion Ratio Lower Upper

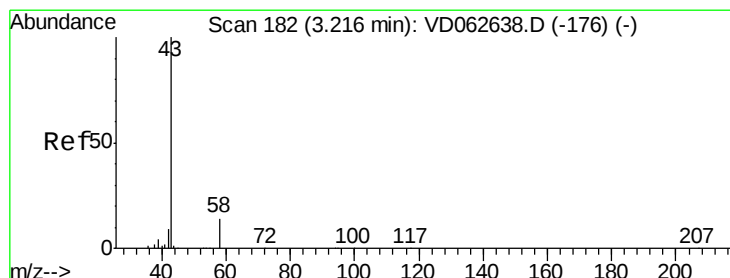
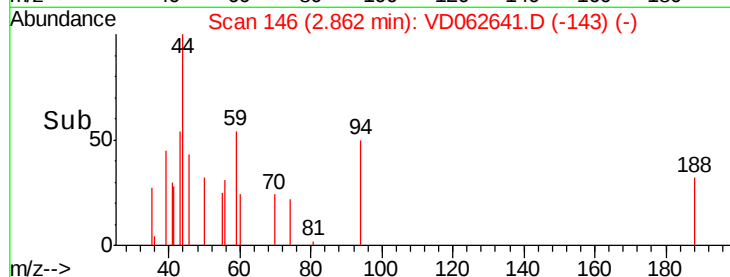
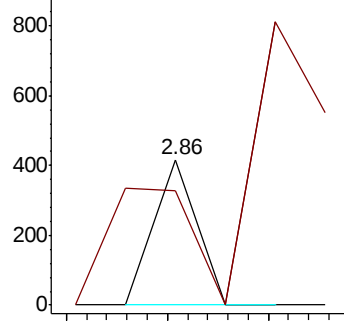
56 100

55 78.8 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 5.288 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062641.D

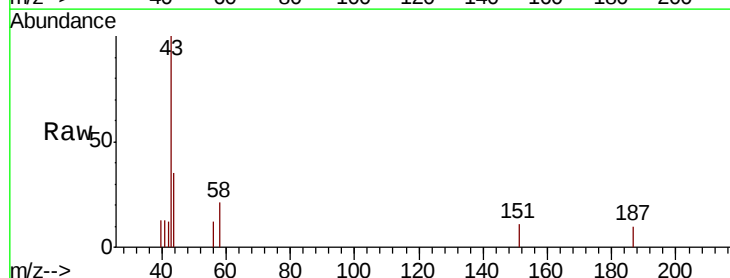
Acq: 7 Jun 2019 13:42

Tgt Ion: 43 Resp: 10725

Ion Ratio Lower Upper

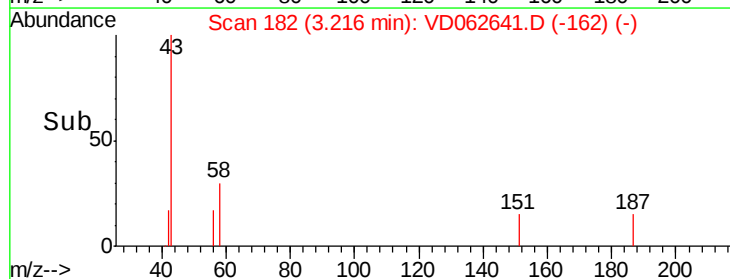
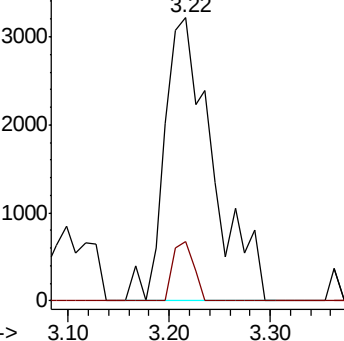
43 100

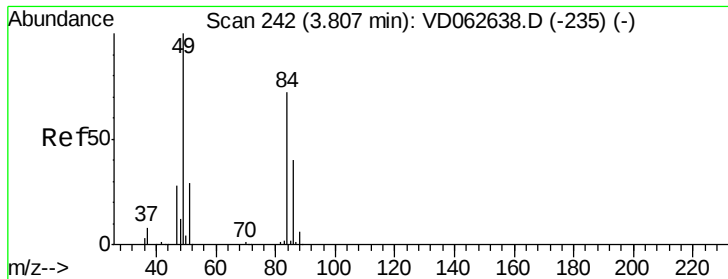
58 21.2 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

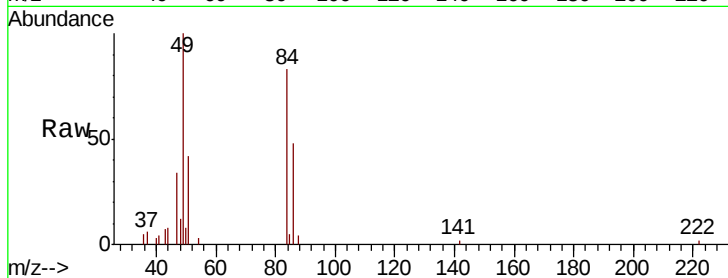




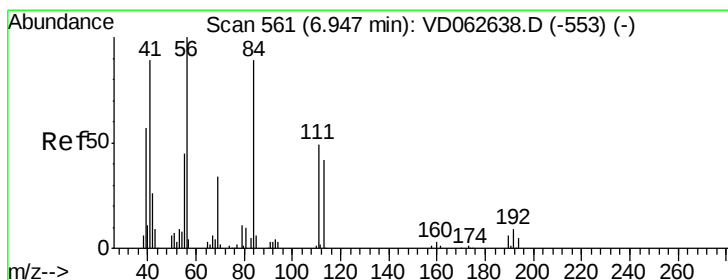
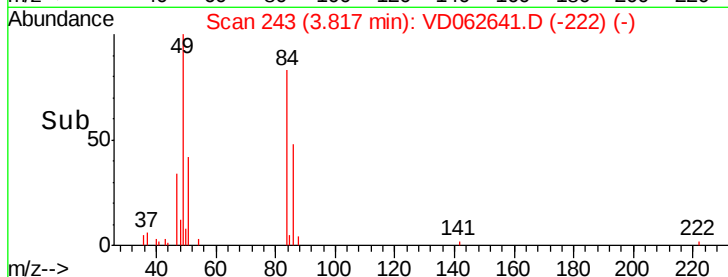
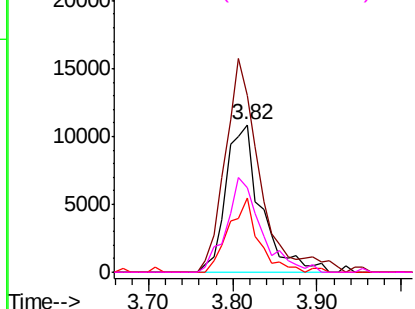
#20
Methvlene Chloride
Concen: 3.712 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 31582
Ion Ratio Lower Upper
84 100
49 119.9 111.2 166.8
51 50.7 31.9 47.9#
86 57.4 44.7 67.1

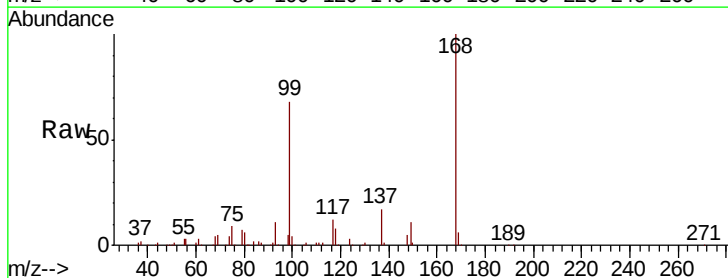


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

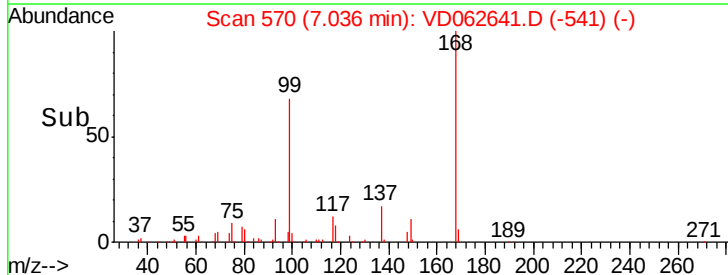
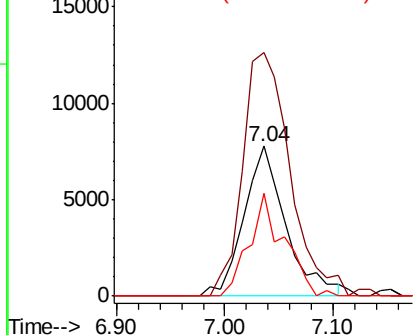


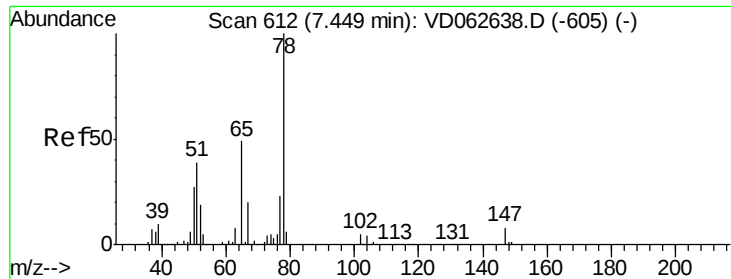
#31
Cyclohexane
Concen: 2.414 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

Tgt Ion: 56 Resp: 21104
Ion Ratio Lower Upper
56 100
69 162.4 26.8 40.2#
84 68.6 73.9 110.9#



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: 49.288 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

Instrument :

MSVOA_D

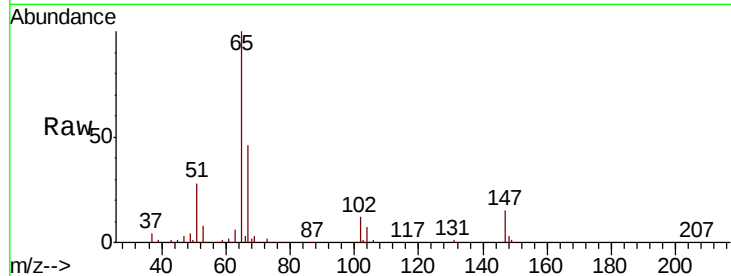
ClientSampleId :

Tot Ion: 65 Resp: 545945

Ion Ratio Lower Upper

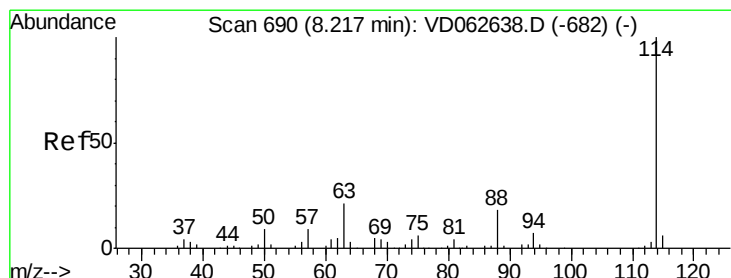
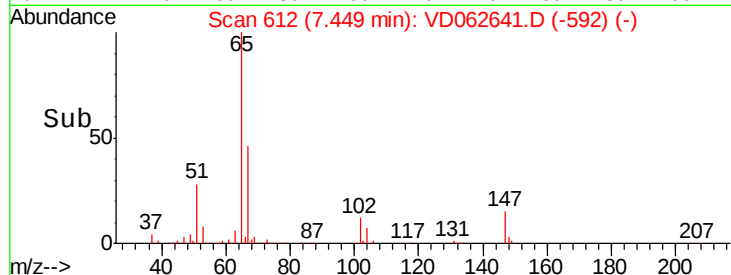
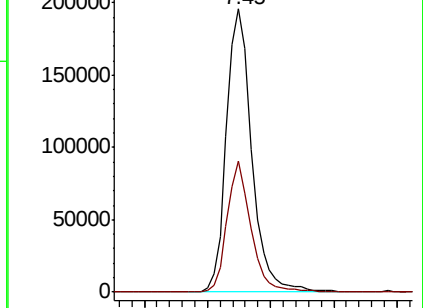
65 100

67 46.1 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

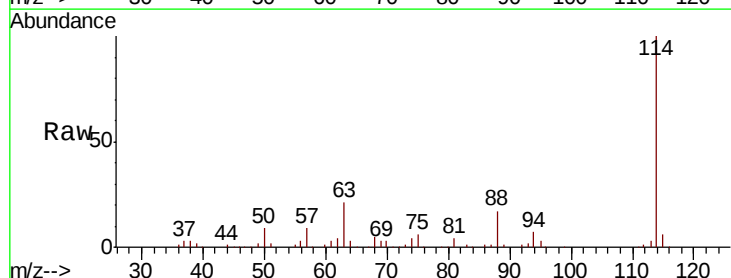
Tgt Ion: 114 Resp: 1004121

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

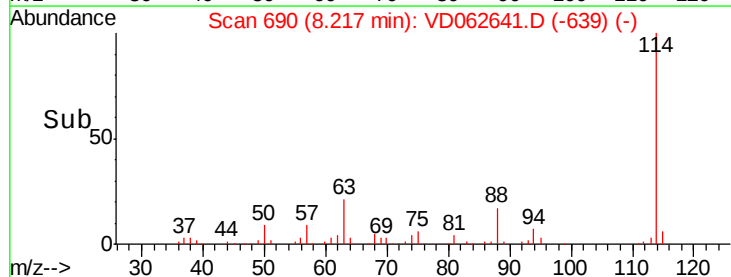
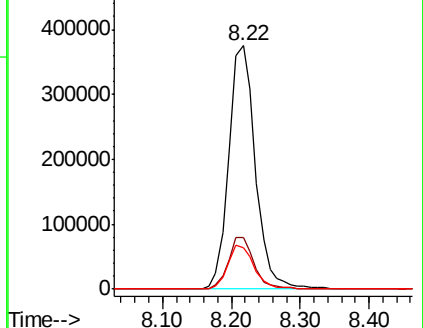
88 17.1 0.0 36.8

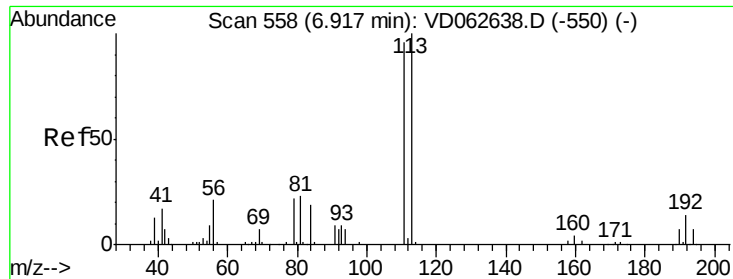


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

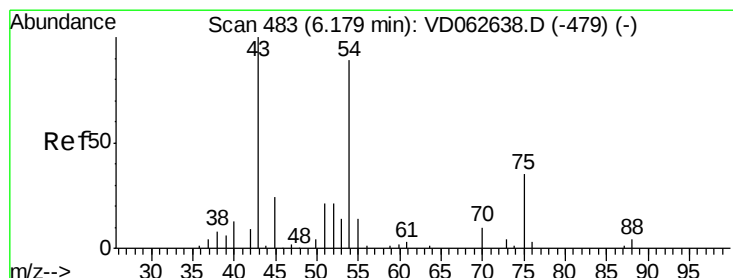
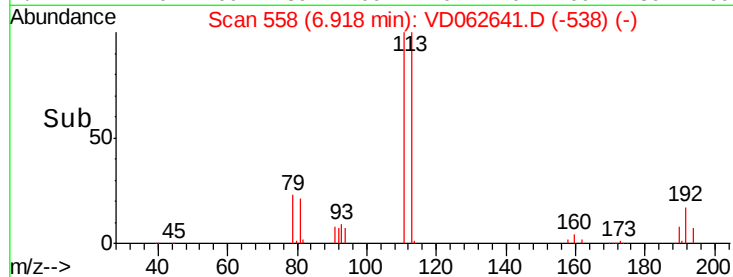
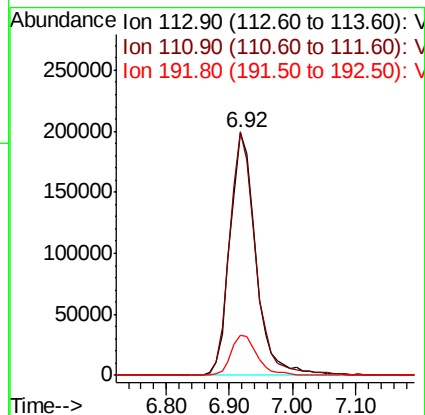
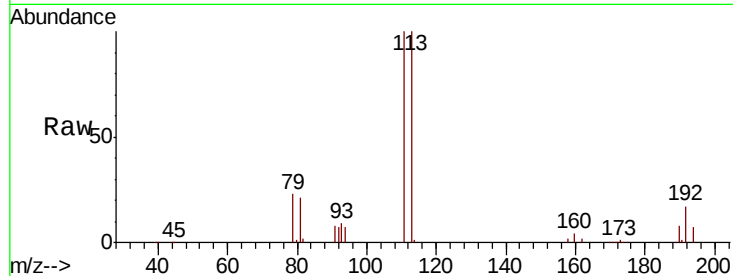




#35
Dibromofluoromethane
Concen: 53.183 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

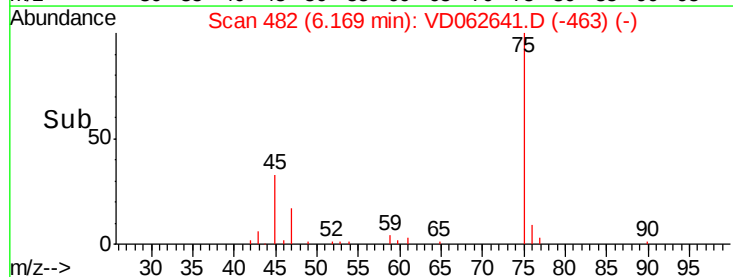
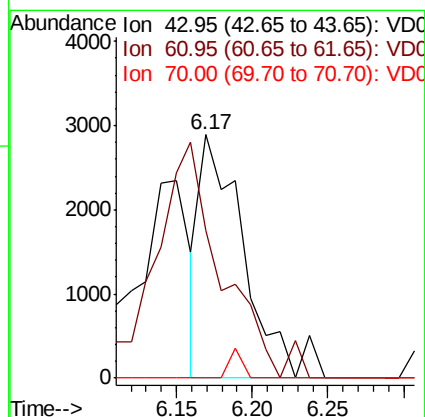
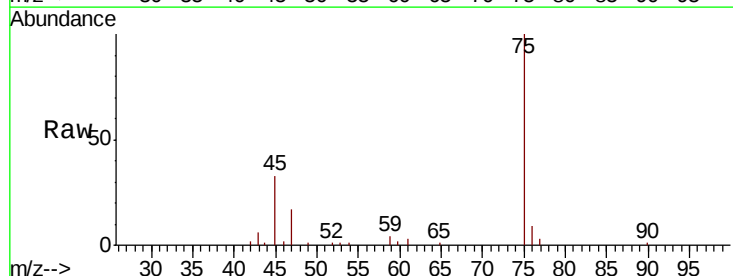
Instrument :
MSVOA_D
ClientSampleId :

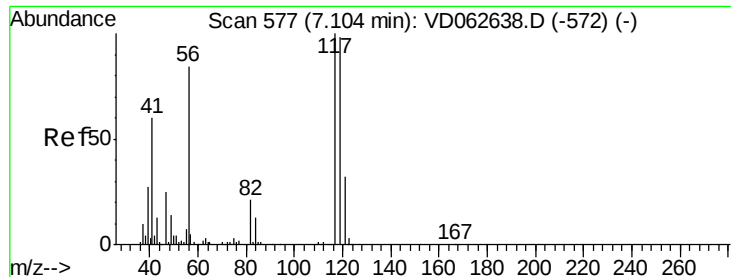
Tot Ion:113 Resp: 563198
Ion Ratio Lower Upper
113 100
111 100.2 76.4 114.6
192 16.8 11.4 17.0



#37
Ethyl Acetate
Concen: 2.376 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

Tgt Ion: 43 Resp: 5902
Ion Ratio Lower Upper
43 100
61 60.8 8.7 13.1#
70 0.0 6.5 9.7#

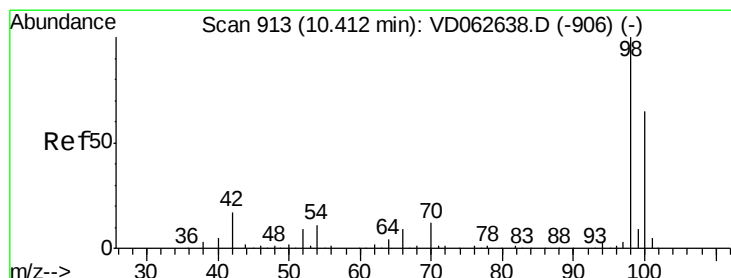
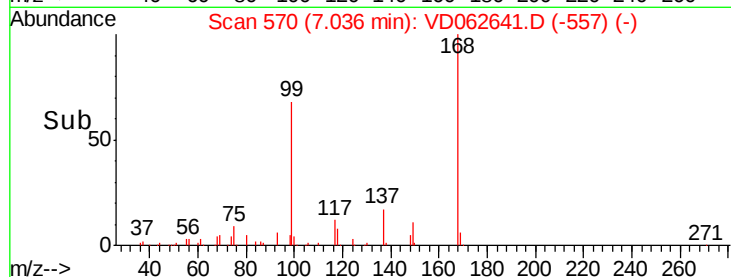
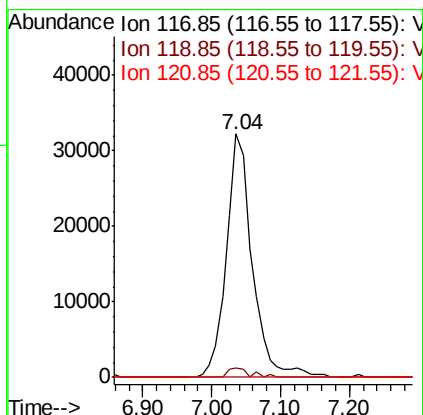
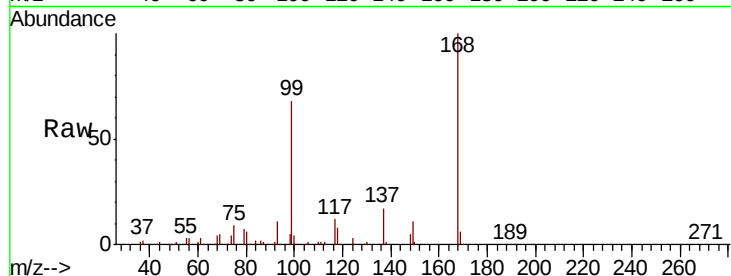




#38
Carbon Tetrachloride
Concen: 4.618 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

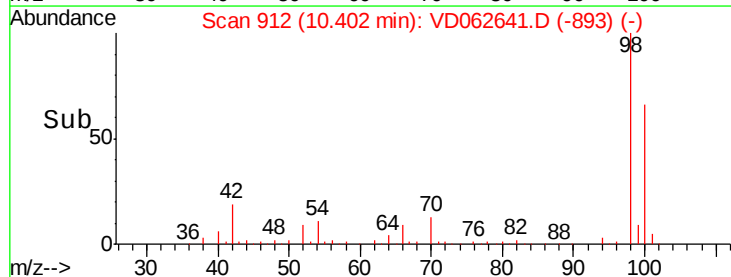
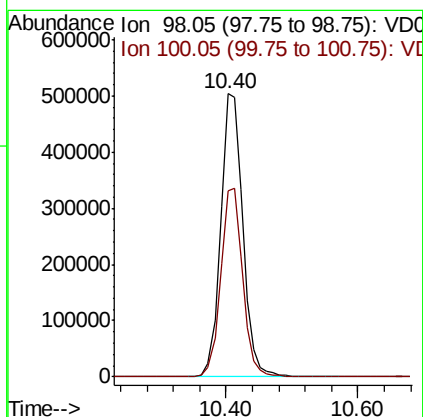
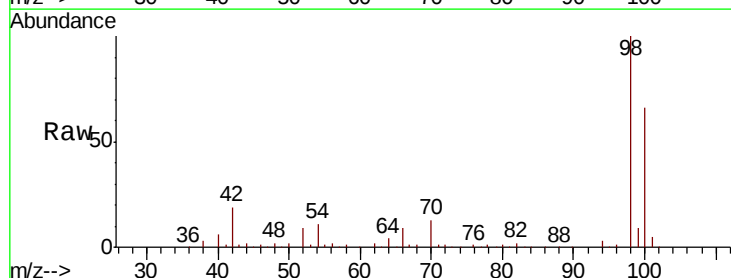
Instrument :
MSVOA_D
ClientSampleId :

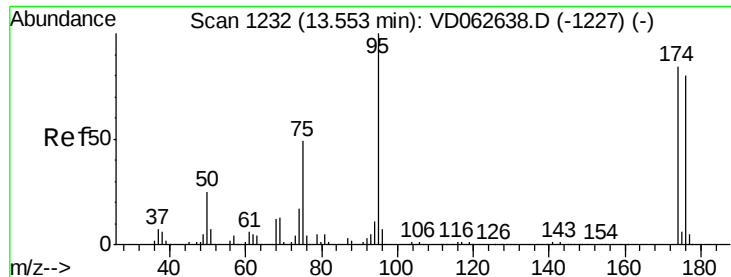
Tot Ion:117 Resp: 83887
Ion Ratio Lower Upper
117 100
119 4.0 73.5 110.3#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 53.116 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062641.D
Acq: 7 Jun 2019 13:42

Tgt Ion: 98 Resp: 1183274
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 52.018 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

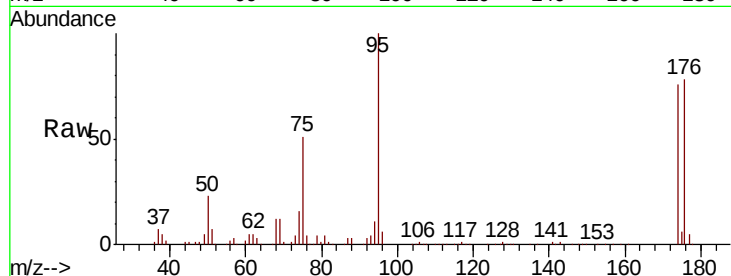
Tot Ion: 95 Resp: 540631

Ion Ratio Lower Upper

95 100

174 76.1 0.0 167.0

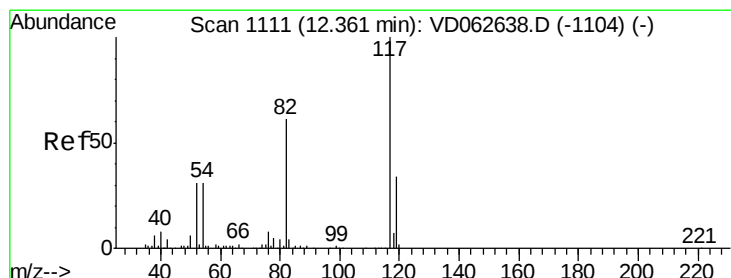
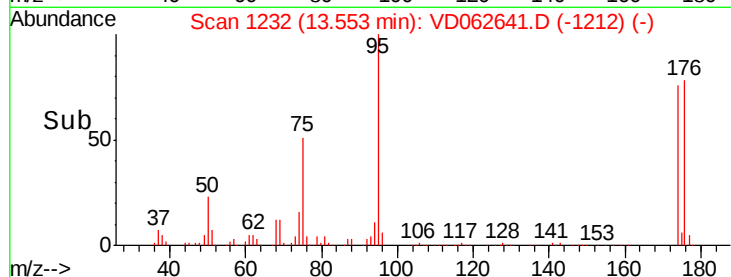
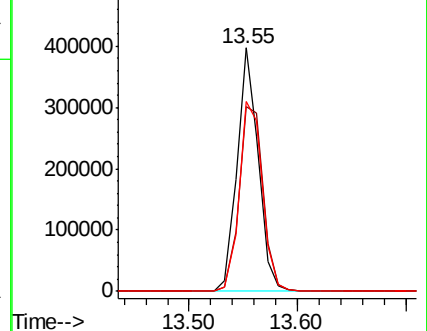
176 78.1 0.0 159.2



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

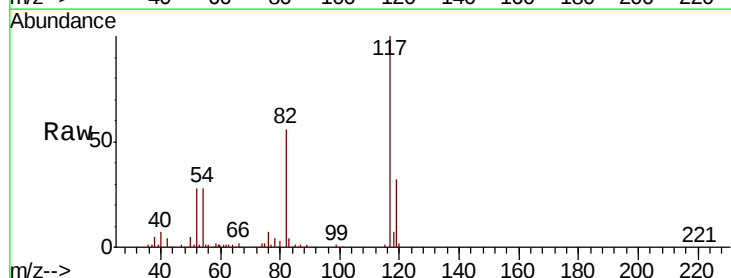
Tgt Ion: 117 Resp: 890553

Ion Ratio Lower Upper

117 100

82 56.3 48.7 73.1

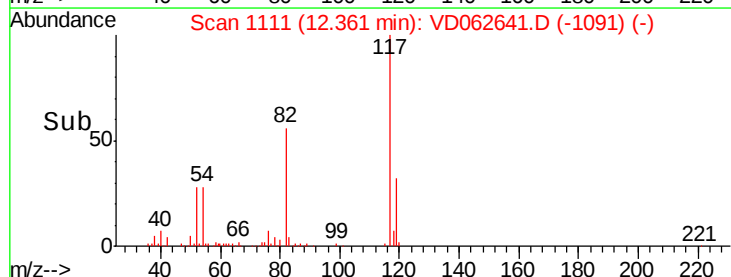
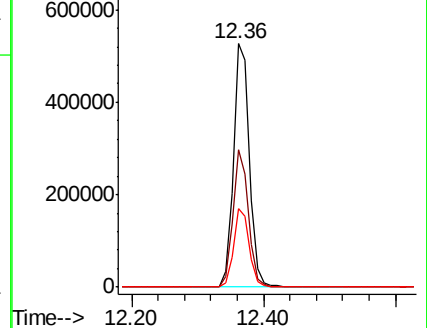
119 32.0 27.0 40.6

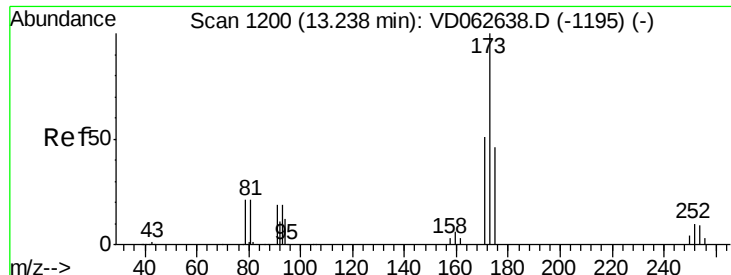


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#71

Bromoform

Concen: 2.899 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

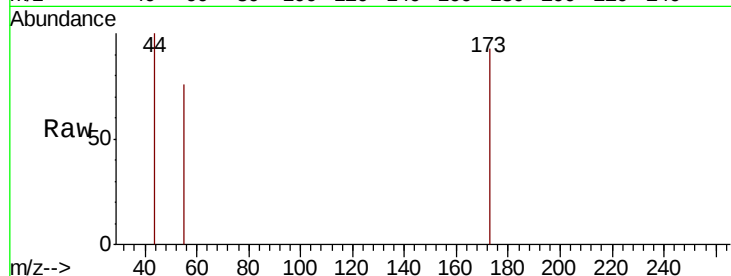
Tot Ion:173 Resp: 518

Ion Ratio Lower Upper

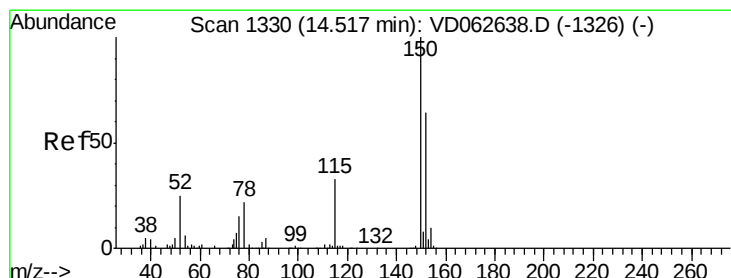
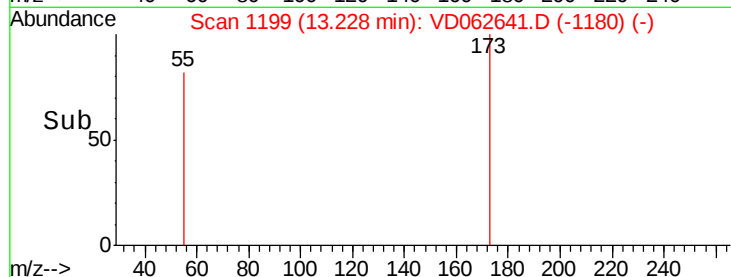
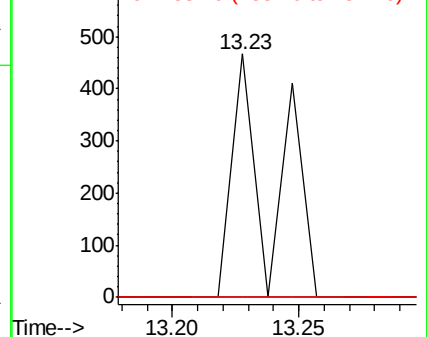
173 100

175 0.0 22.9 68.7#

254 0.0 7.0 10.4#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

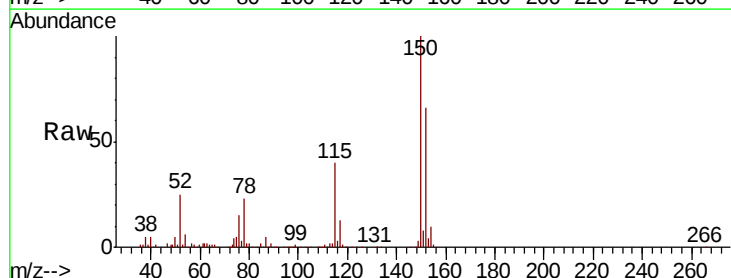
Tgt Ion:152 Resp: 458187

Ion Ratio Lower Upper

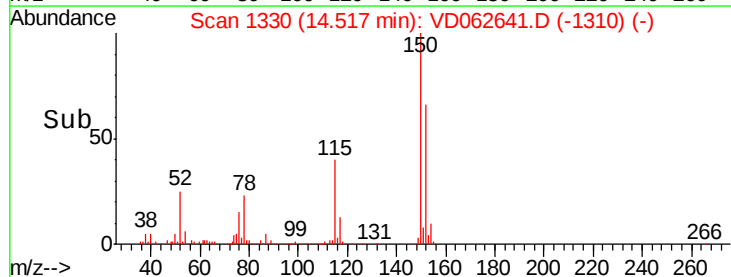
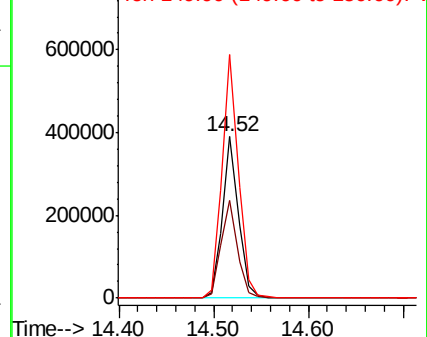
152 100

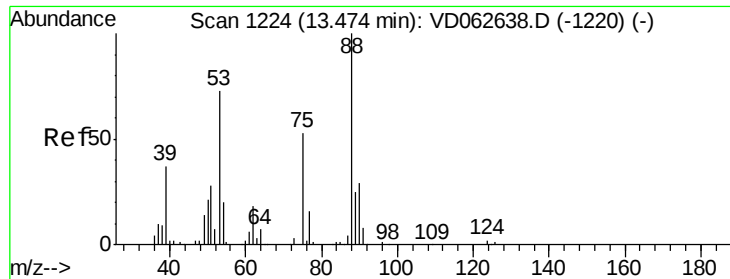
115 60.2 30.1 90.5

150 151.0 0.0 314.0



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: 133.728 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

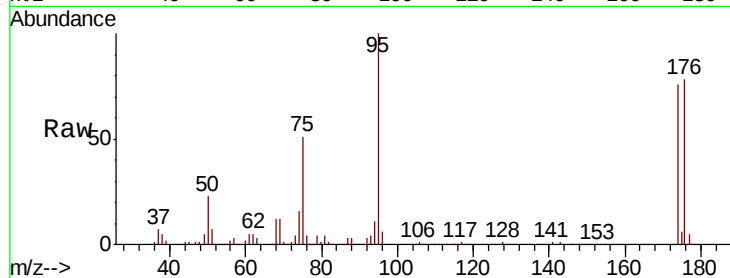
Tot Ion: 75 Resp: 259409

Ion Ratio Lower Upper

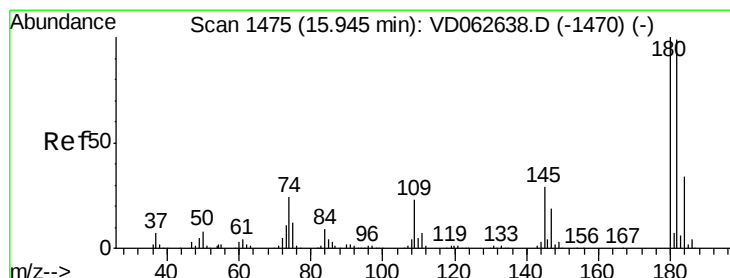
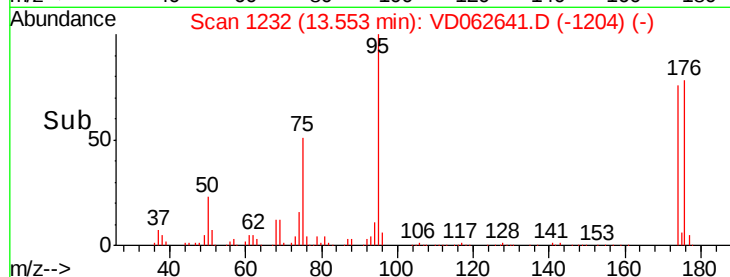
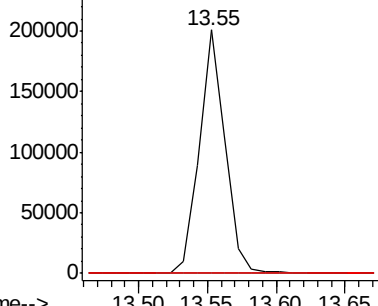
75 100

53 0.0 109.4 164.2#

89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 4.221 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

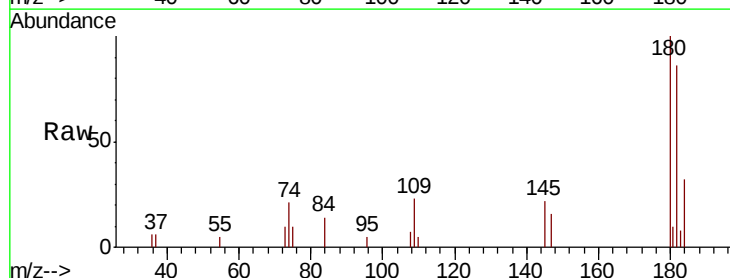
Tgt Ion:180 Resp: 8296

Ion Ratio Lower Upper

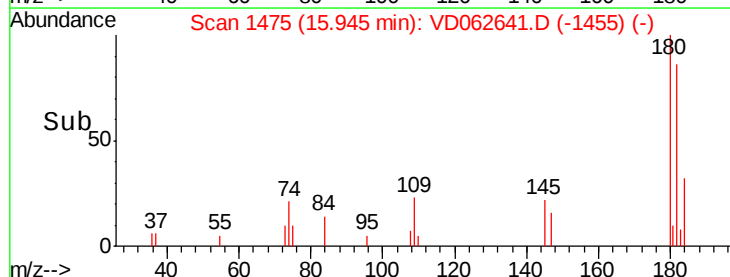
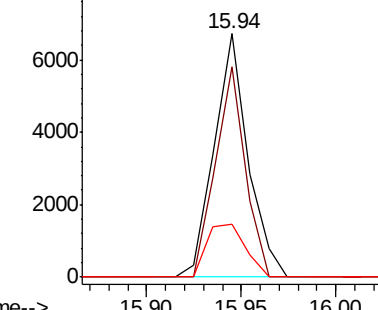
180 100

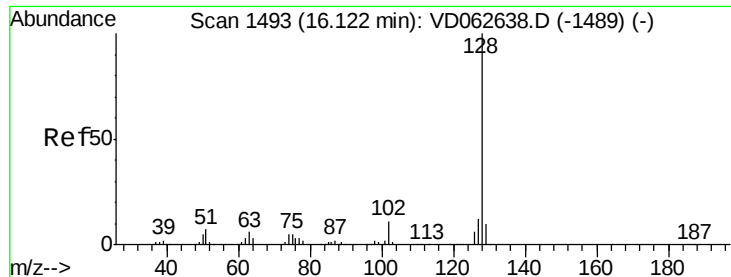
182 86.3 49.4 148.2

145 21.7 14.5 43.6



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 4.366 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

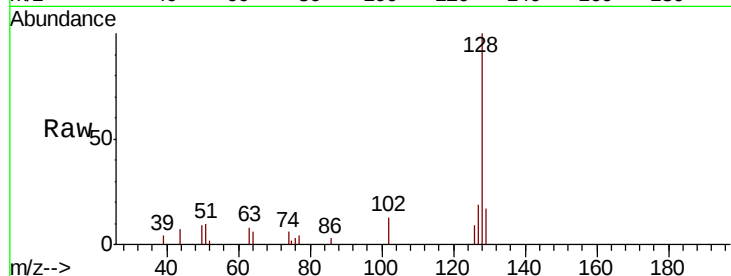
Tot Ion:128 Resp: 16365

Ion Ratio Lower Upper

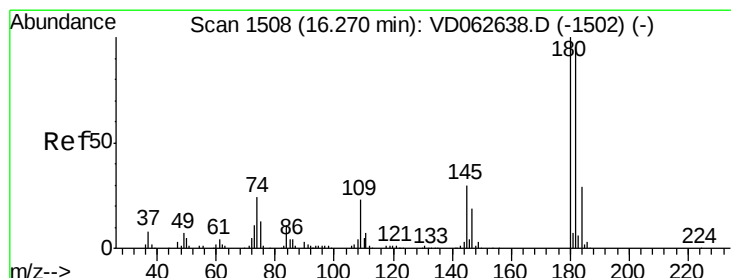
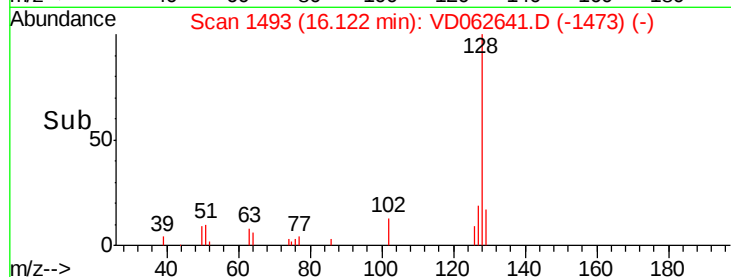
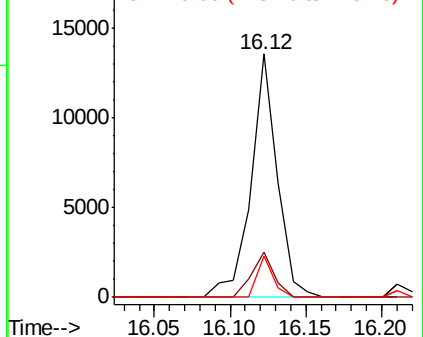
128 100

127 18.5 9.7 14.5#

129 16.8 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.018 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062641.D

Acq: 7 Jun 2019 13:42

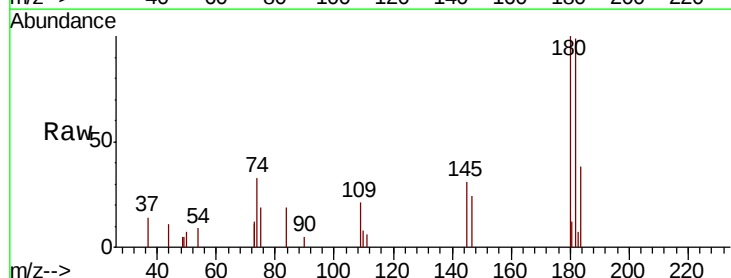
Tgt Ion:180 Resp: 8151

Ion Ratio Lower Upper

180 100

182 106.7 47.7 143.1

145 31.5 15.0 45.0



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

