

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061051.D
 Acq On : 13 Mar 2019 19:21
 Operator : VA/AP
 Sample : K1869-09
 Misc : 6.45g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 02:02:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	26119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	55676	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	56926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	25968	50.00	ug/l	0.00

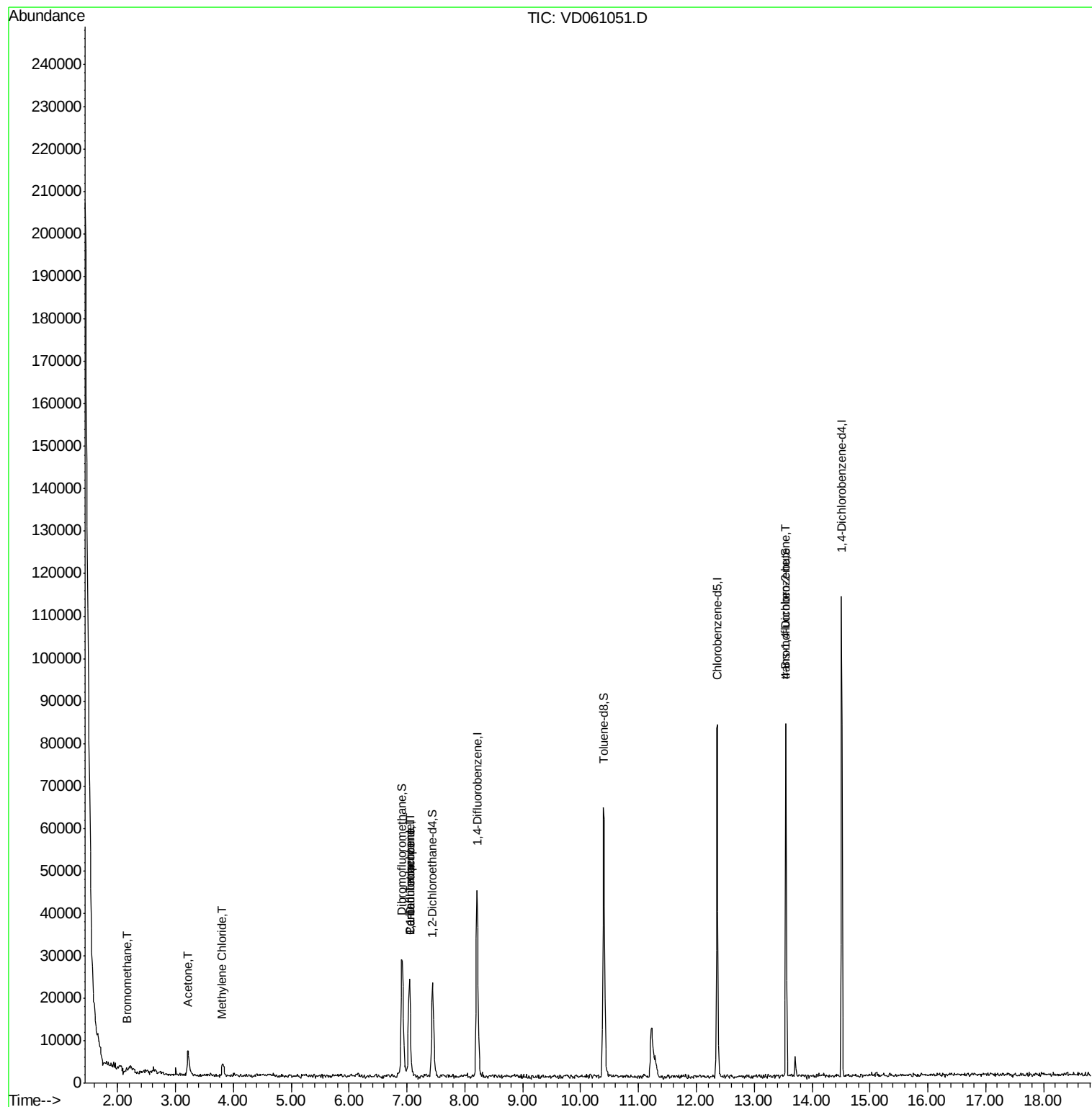
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	24531	112.83	ug/l	0.00
Spiked Amount			Recovery	=	225.66%	
35) Dibromofluoromethane	6.92	113	26831	64.94	ug/l	0.00
Spiked Amount			Recovery	=	129.88%	
50) Toluene-d8	10.40	98	58608	56.48	ug/l	0.00
Spiked Amount			Recovery	=	112.96%	
62) 4-Bromofluorobenzene	13.54	95	30000	74.51	ug/l	0.00
Spiked Amount			Recovery	=	149.02%	

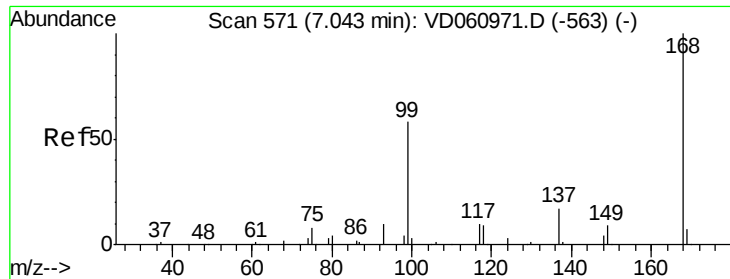
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	185	3.803	ug/l #	8
16) Acetone	3.21	43	11569	186.085	ug/l	92
20) Methylene Chloride	3.82	84	2410	4.233	ug/l #	72
36) 1,1-Dichloropropene	7.04	75	1715	3.574	ug/l #	39
38) Carbon Tetrachloride	7.04	117	1932	3.655	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.54	75	11556	104.917	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061051.D

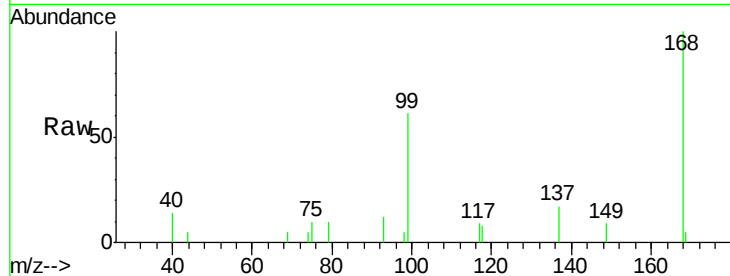
Acq: 13 Mar 2019 19:21

Tot Ion:168 Resp: 26119

Ion Ratio Lower Upper

168 100

99 61.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

10000

8000

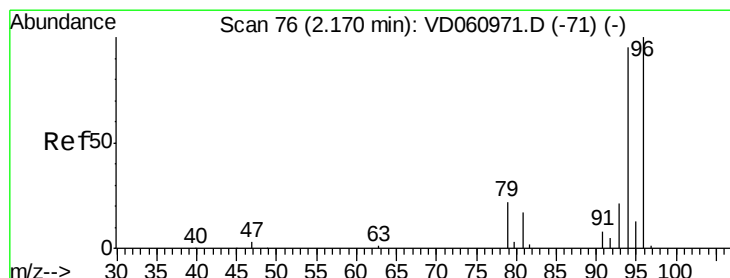
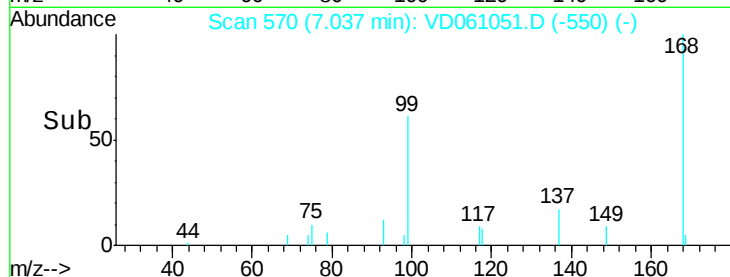
6000

4000

2000

0

Time--> 6.90 7.00 7.10



#5

Bromomethane

Concen: 3.803 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

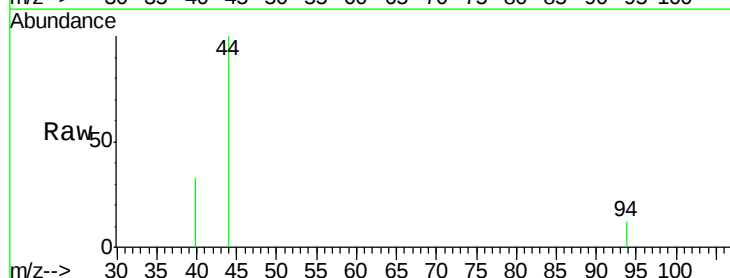
Tgt Ion: 94 Resp: 185

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

500

400

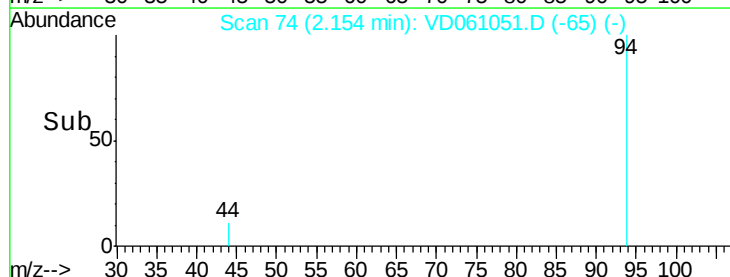
300

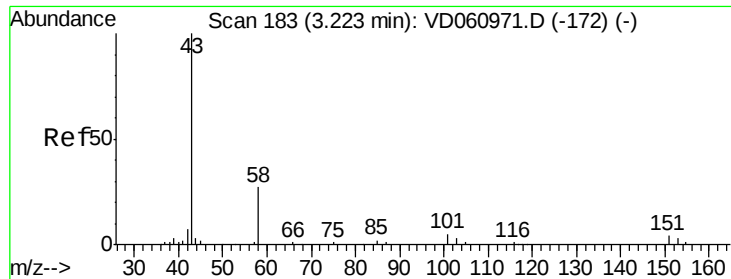
200

100

0

Time--> 2.12 2.14 2.16 2.18





#16

Acetone

Concen: 186.085 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061051.D

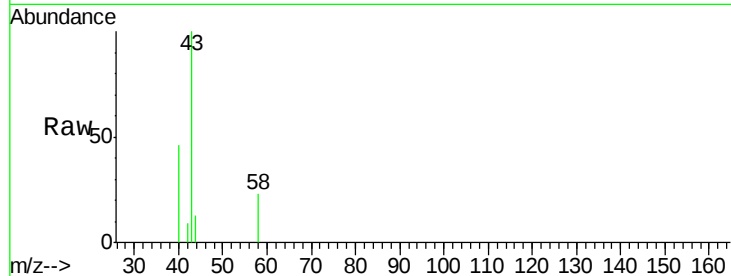
Acq: 13 Mar 2019 19:21

Tot Ion: 43 Resp: 11569

Ion Ratio Lower Upper

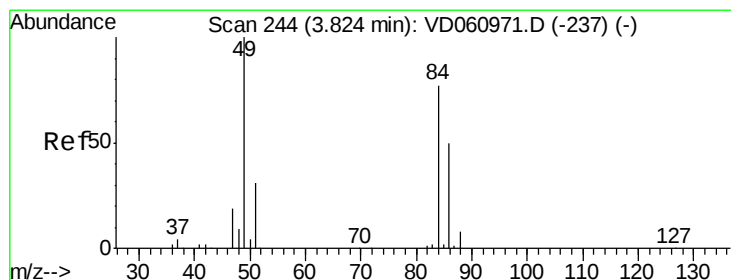
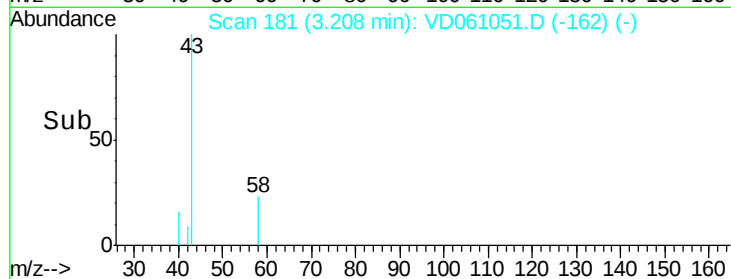
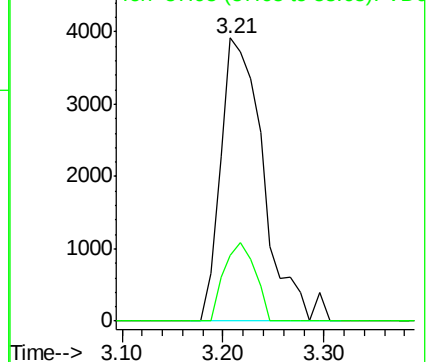
43 100

58 23.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 4.233 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

Tgt Ion: 84 Resp: 2410

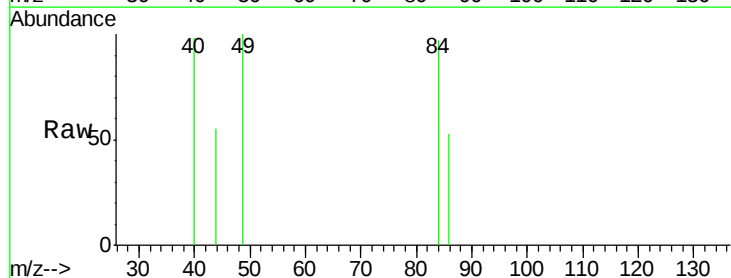
Ion Ratio Lower Upper

84 100

49 103.4 104.2 156.2#

51 0.0 32.3 48.5#

86 54.6 52.3 78.5

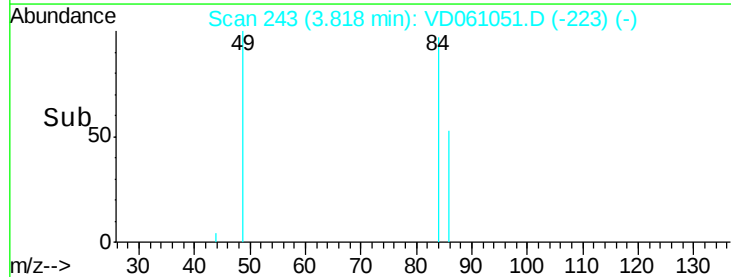
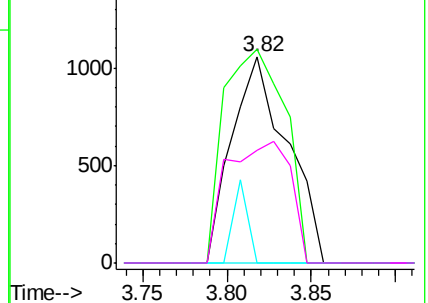


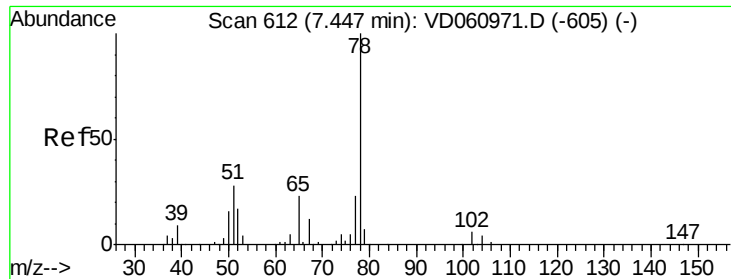
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061051.D

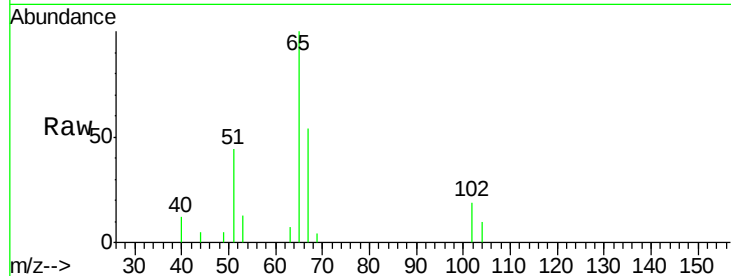
Acq: 13 Mar 2019 19:21

Tot Ion: 65 Resp: 24531

Ion Ratio Lower Upper

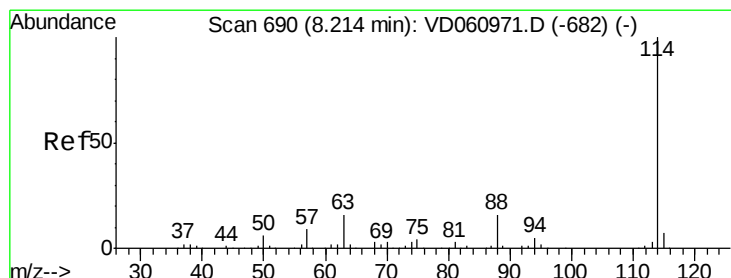
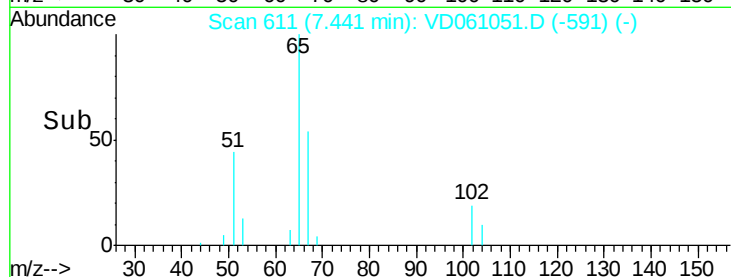
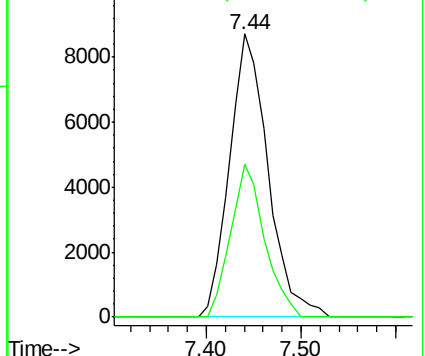
65 100

67 53.9 0.0 105.2



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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

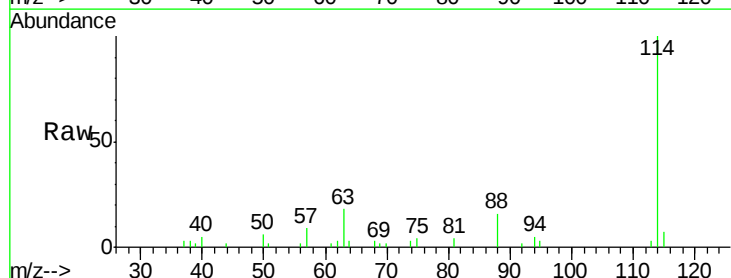
Tgt Ion: 114 Resp: 55676

Ion Ratio Lower Upper

114 100

63 18.4 0.0 31.4

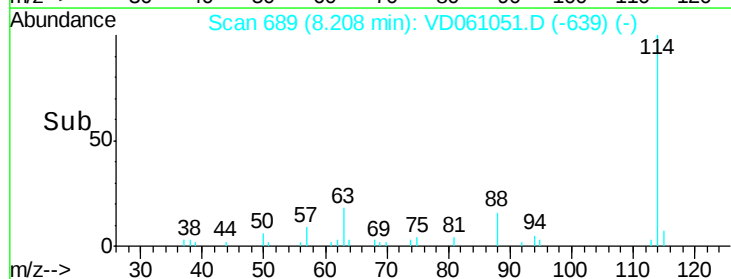
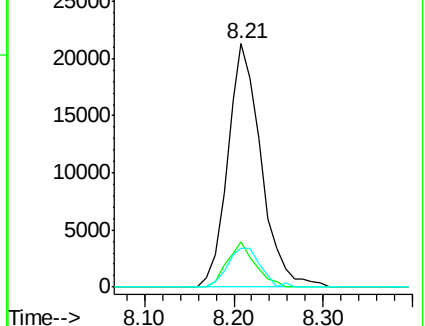
88 16.0 0.0 33.0

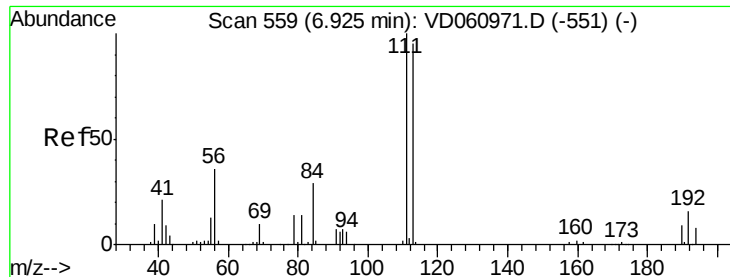


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

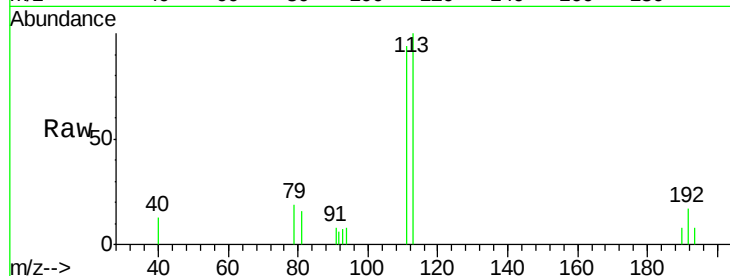
Tot Ion:113 Resp: 26831

Ion	Ratio	Lower	Upper
113	100		
111	94.2	84.2	126.4
192	17.3	13.1	19.7

113 100

111 94.2 84.2 126.4

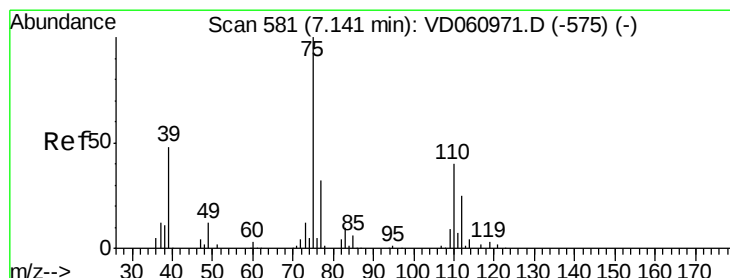
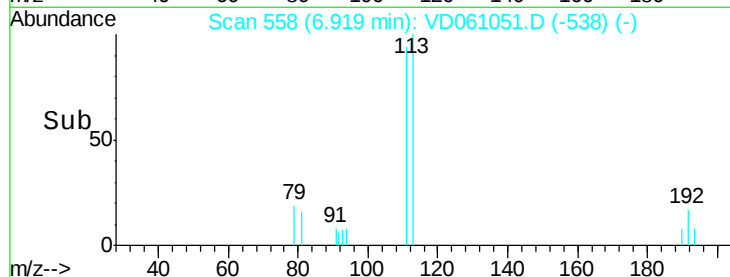
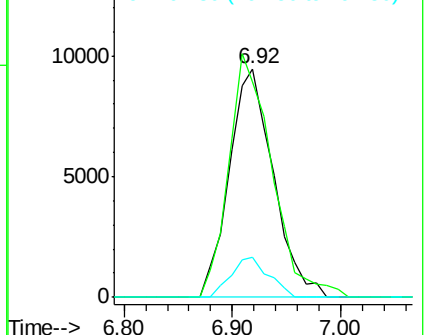
192 17.3 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 3.574 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

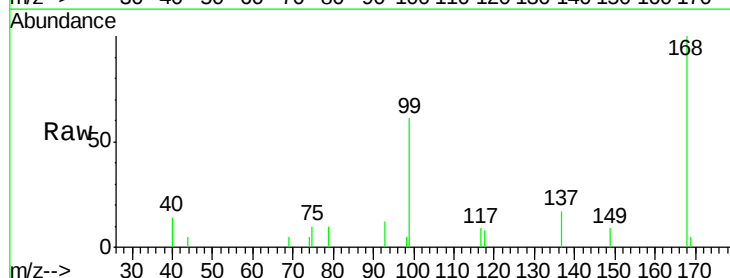
Tgt Ion: 75 Resp: 1715

Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.1#
77	0.0	24.7	37.1#

75 100

110 0.0 19.7 59.1#

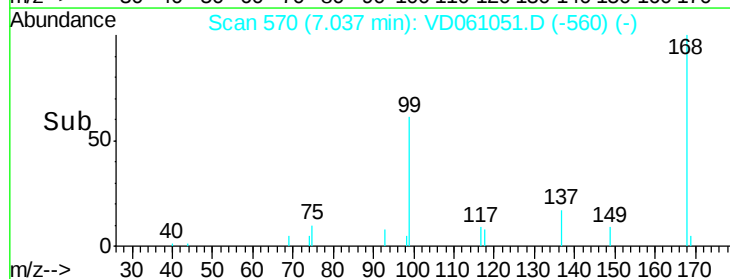
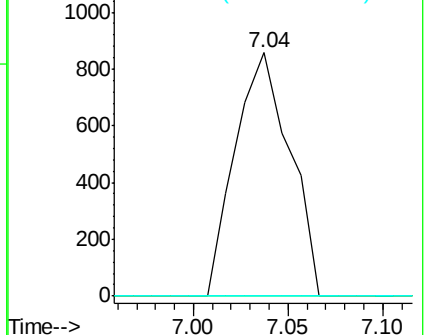
77 0.0 24.7 37.1#

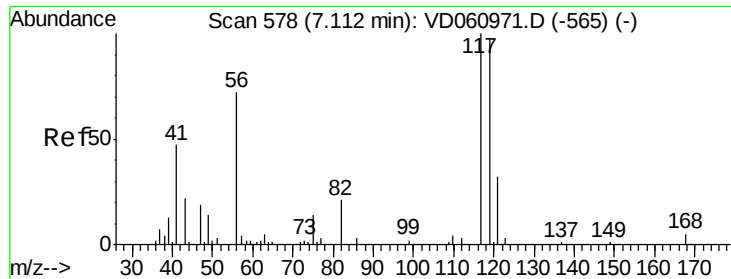


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

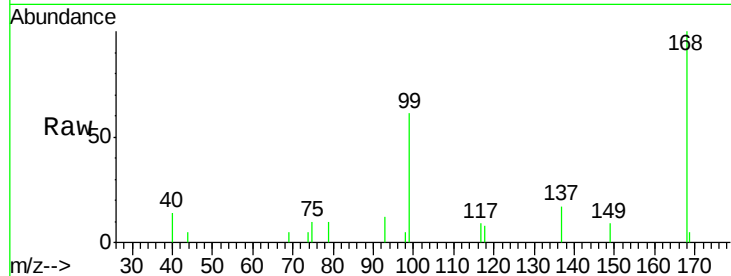
Ion 76.95 (76.65 to 77.65): V



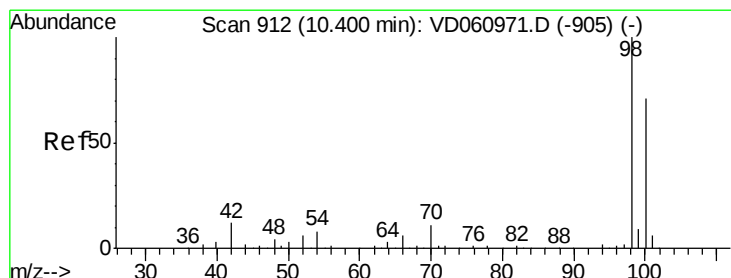
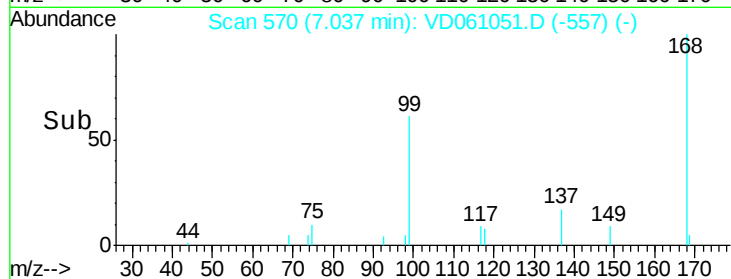
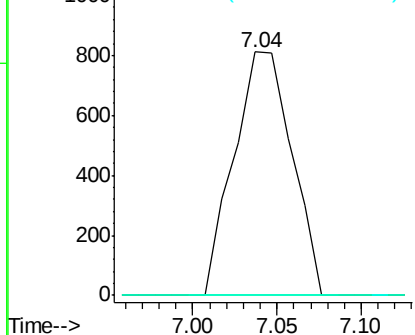


#38
Carbon Tetrachloride
Concen: 3.655 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061051.D
Acq: 13 Mar 2019 19:21

Tot Ion:117 Resp: 1932
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#

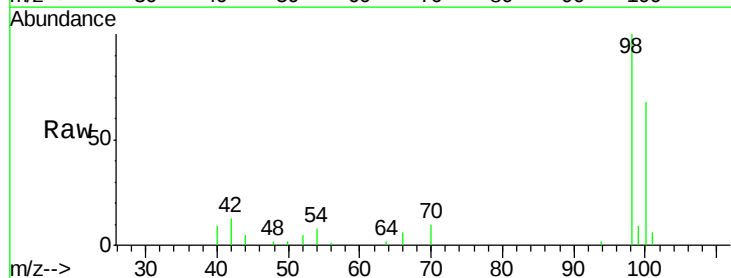


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

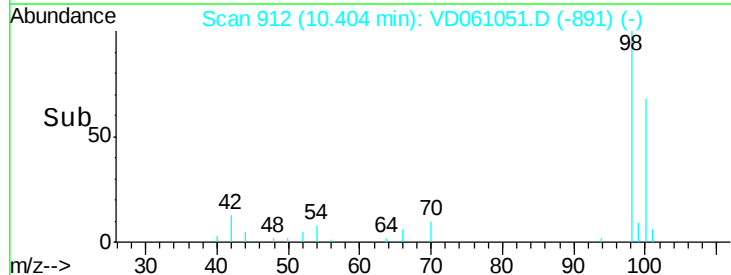
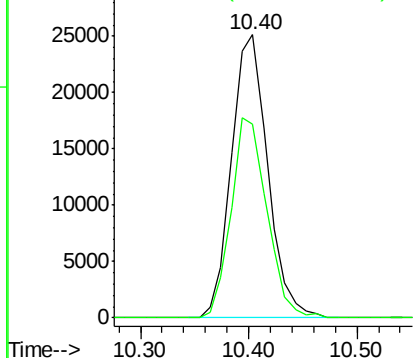


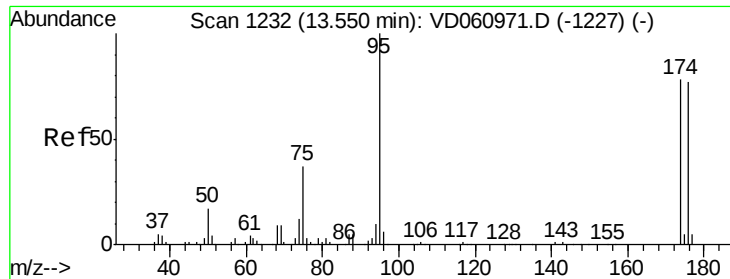
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061051.D
Acq: 13 Mar 2019 19:21

Tgt Ion: 98 Resp: 58608
Ion Ratio Lower Upper
98 100
100 68.3 57.4 86.2



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

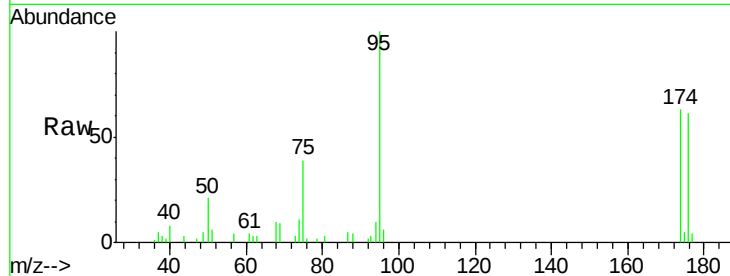
Tot Ion: 95 Resp: 30000

Ion Ratio Lower Upper

95 100

174 62.5 0.0 155.6

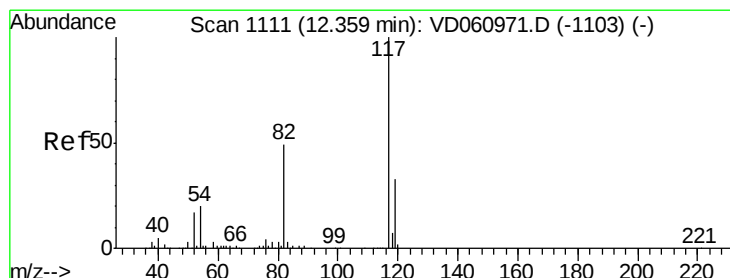
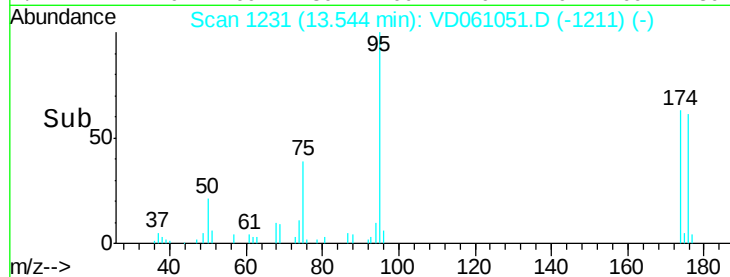
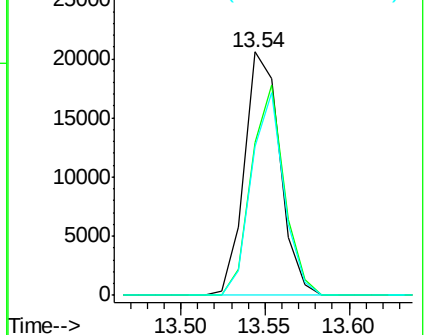
176 61.4 0.0 153.8



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: VD061051.D

Acq: 13 Mar 2019 19:21

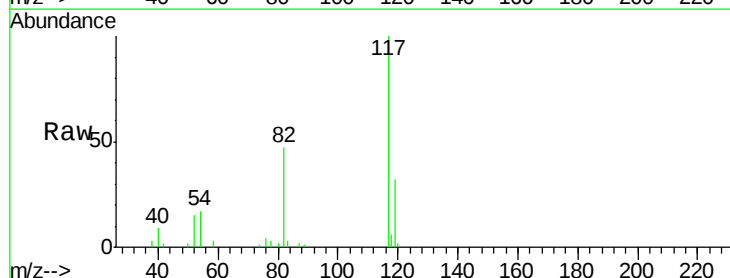
Tgt Ion: 117 Resp: 56926

Ion Ratio Lower Upper

117 100

82 47.1 38.9 58.3

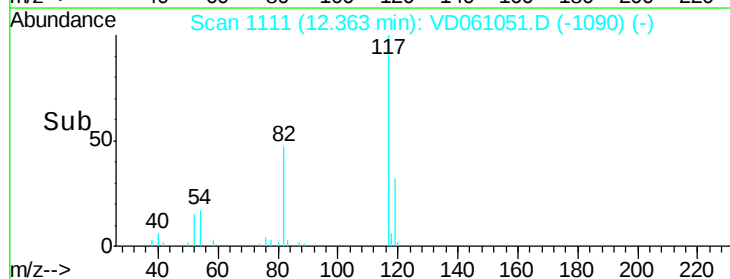
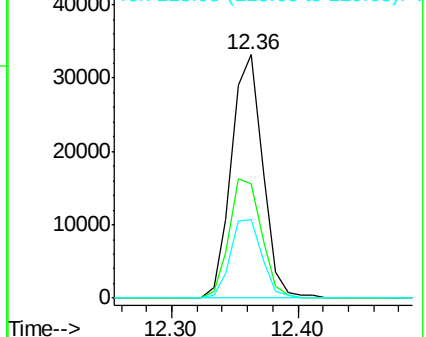
119 32.0 26.6 39.8

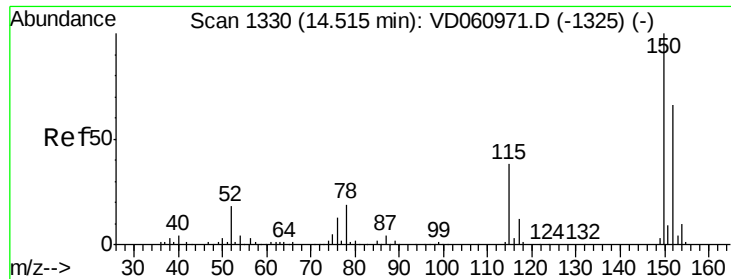


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

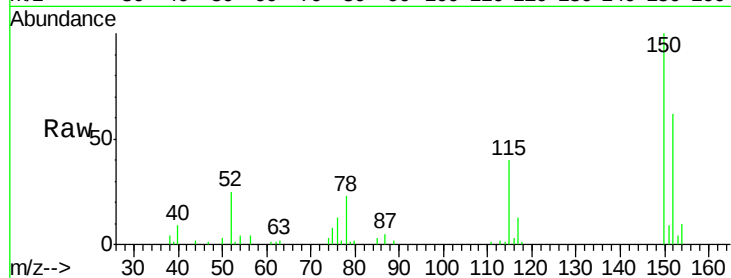
Tot Ion:152 Resp: 25968

Ion Ratio Lower Upper

152 100

115 64.1 28.6 85.9

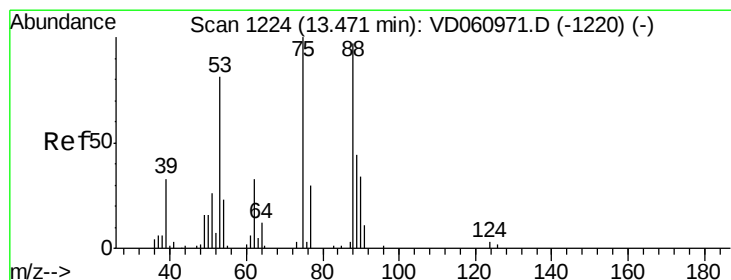
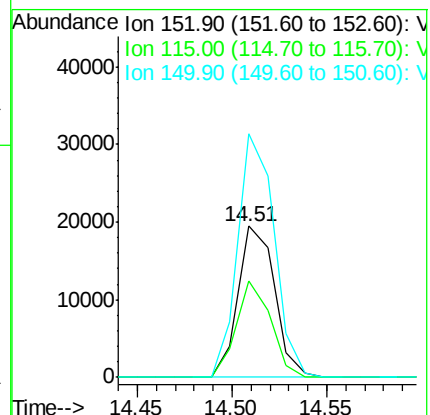
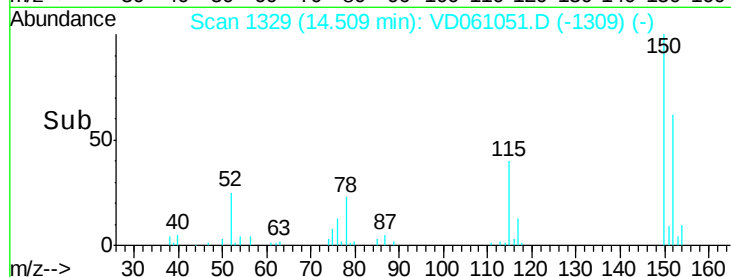
150 161.4 0.0 310.6



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: 104.917 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061051.D

Acq: 13 Mar 2019 19:21

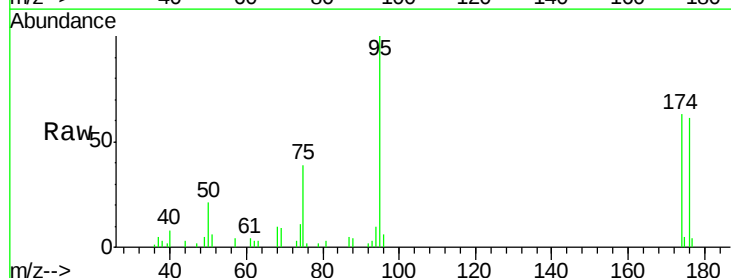
Tgt Ion: 75 Resp: 11556

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

