

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059805.D
 Acq On : 15 Aug 2018 19:43
 Operator : VA/AP
 Sample : J4478-02RE
 Misc : 9.84g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 16 07:47:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

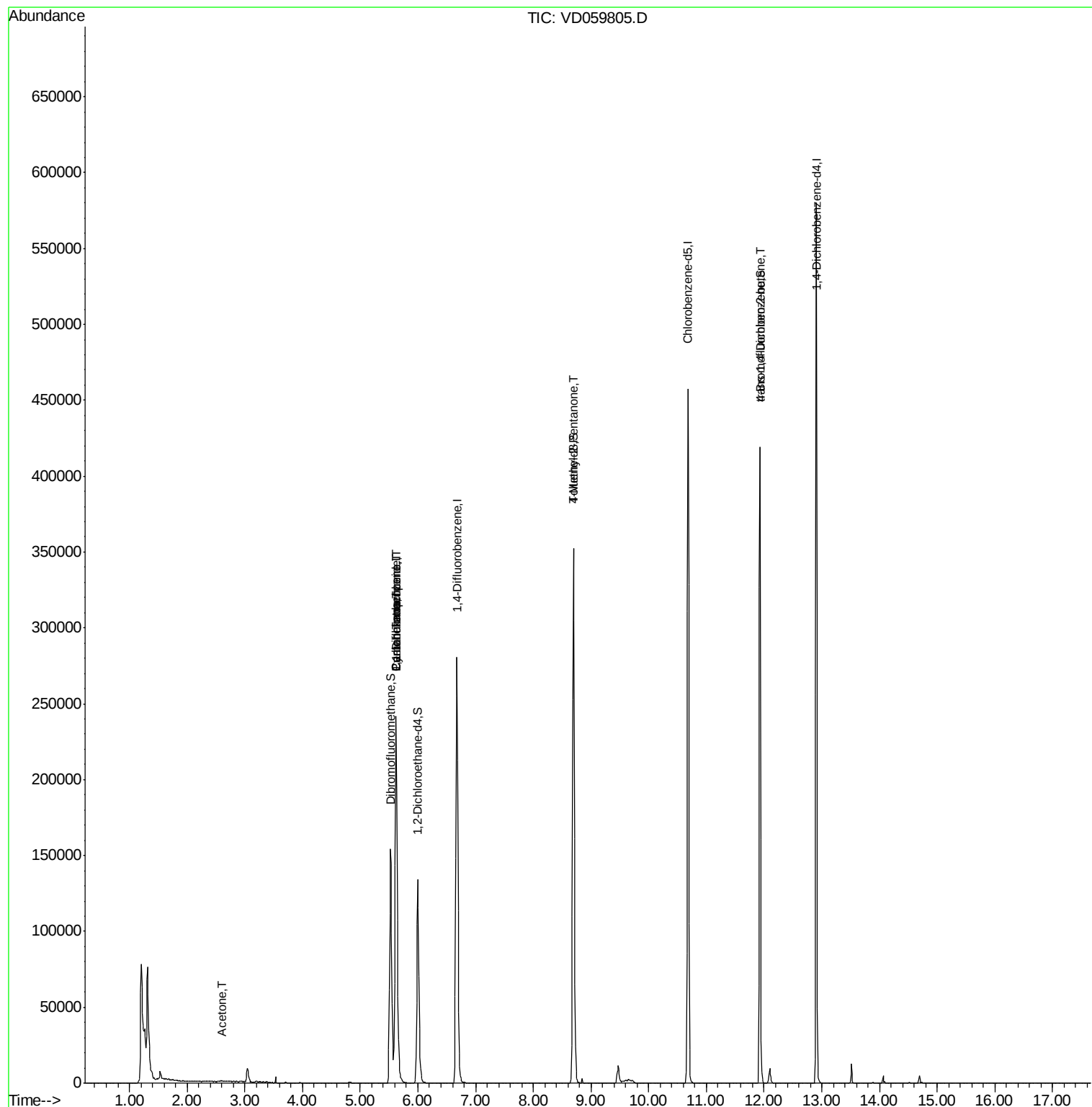
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	218083	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	270561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	232779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	114361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	148485	52.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	5.53	113	122556	51.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	8.69	98	270522	48.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.93	95	113739	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
Target Compounds						
					Qvalue	
16) Acetone	2.59	43	1433	3.241	ug/l #	57
31) Cyclohexane	5.61	56	5142	1.807	ug/l #	11
36) 1,1-Dichloropropene	5.62	75	19781	7.126	ug/l #	53
38) Carbon Tetrachloride	5.62	117	21029	6.279	ug/l #	13
51) 4-Methyl-2-Pentanone	8.69	43	1516	1.144	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	60678	159.840	ug/l #	1

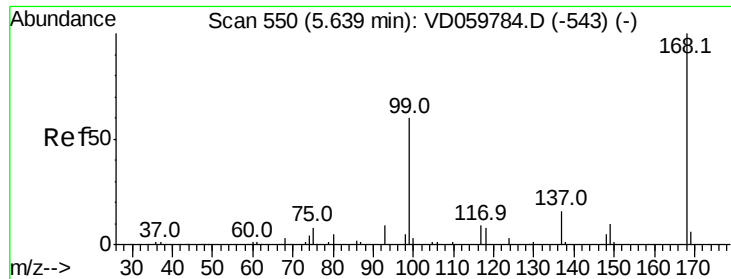
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059805.D

Acq: 15 Aug 2018 19:43

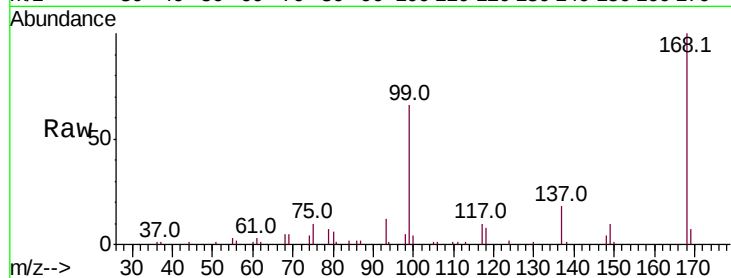
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 218083

Ion Ratio Lower Upper

168 100

99 65.9 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

80000

60000

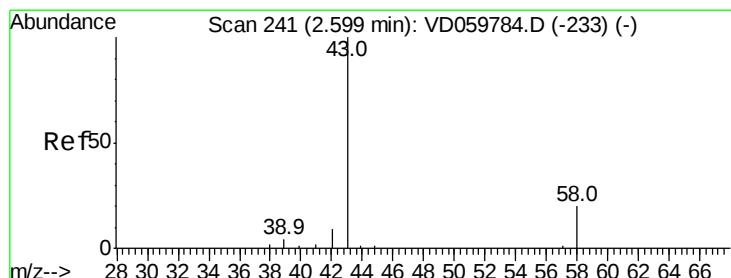
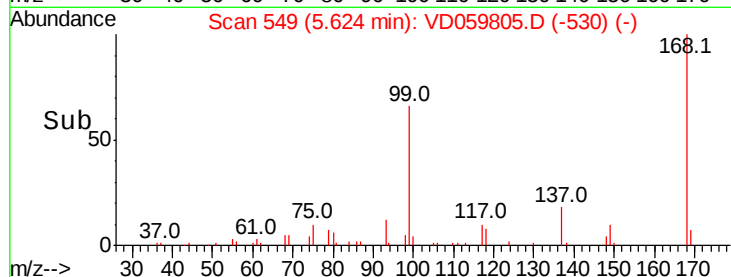
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.241 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059805.D

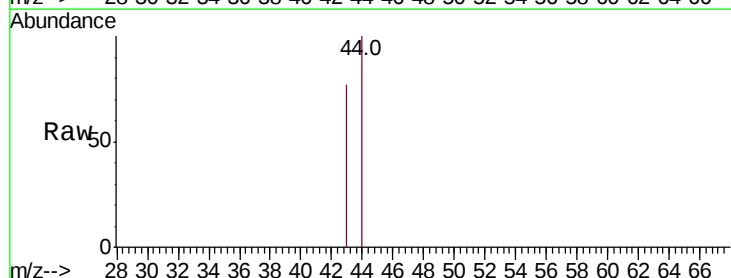
Acq: 15 Aug 2018 19:43

Tgt Ion: 43 Resp: 1433

Ion Ratio Lower Upper

43 100

58 0.0 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.59

600

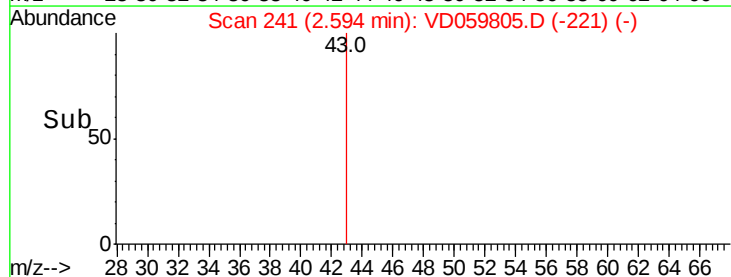
400

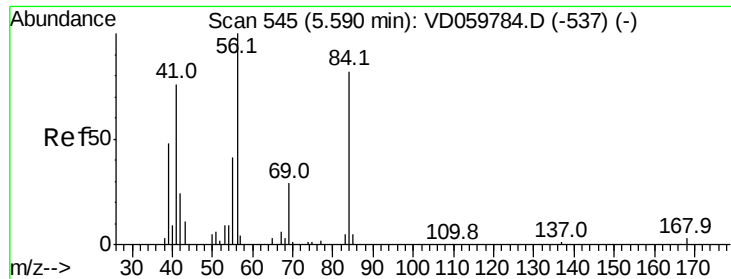
200

0

Time-->

2.55 2.60 2.65

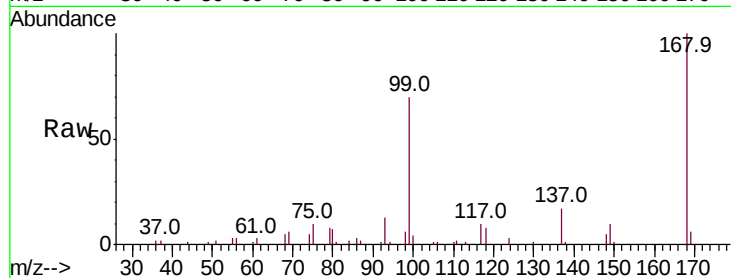




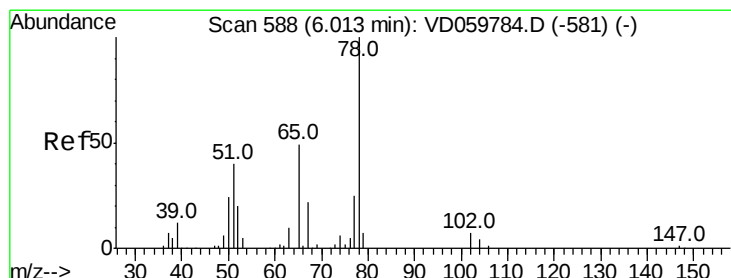
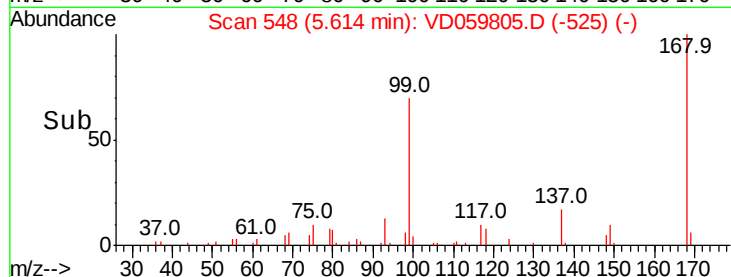
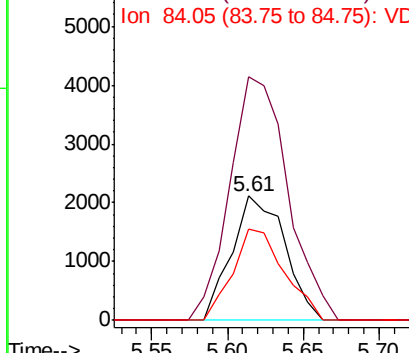
#31
Cyclohexane
Concen: 1.807 ug/l
RT: 5.61 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD059805.D
Acq: 15 Aug 2018 19:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 5142
Ion Ratio Lower Upper
56 100
69 196.3 23.4 35.2#
84 73.5 65.4 98.2

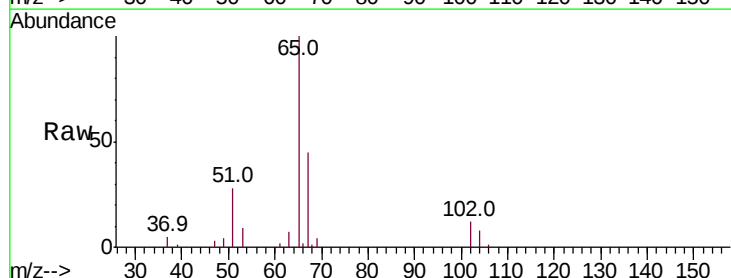


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

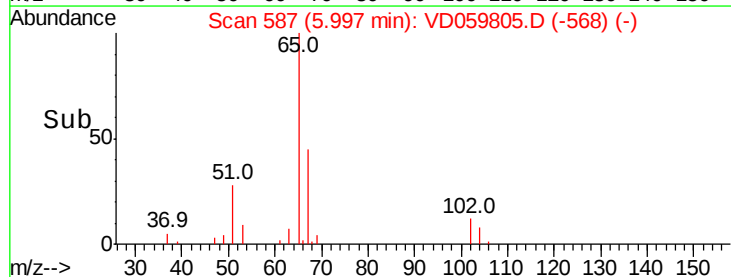
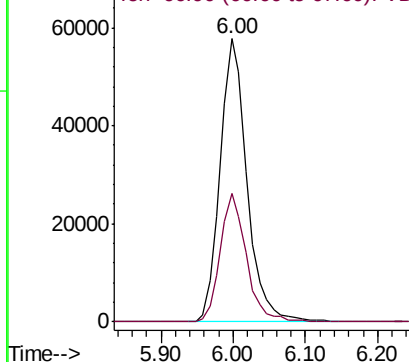


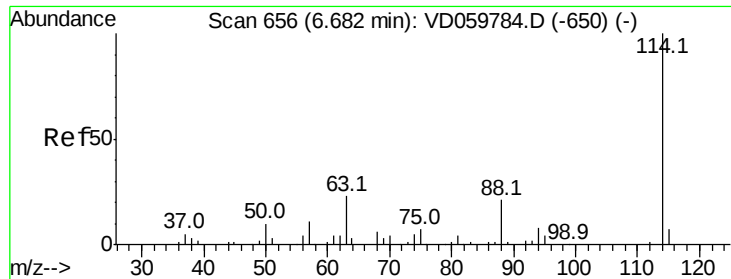
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD059805.D
Acq: 15 Aug 2018 19:43

Tgt Ion: 65 Resp: 148485
Ion Ratio Lower Upper
65 100
67 45.3 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

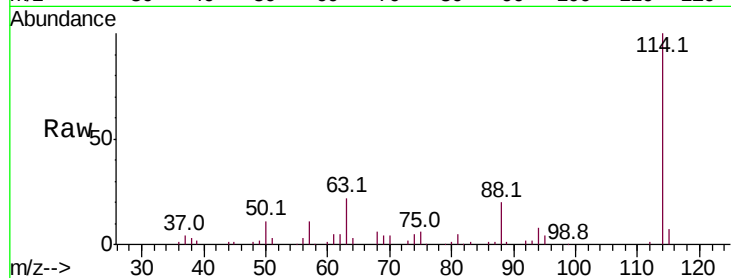




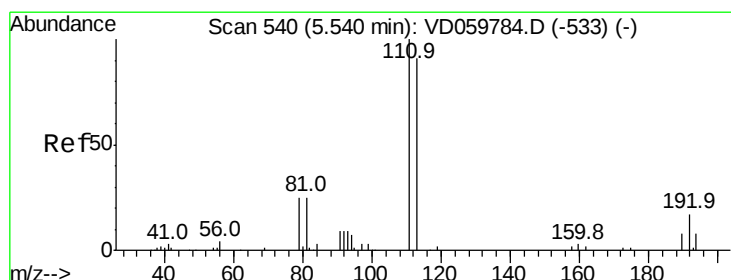
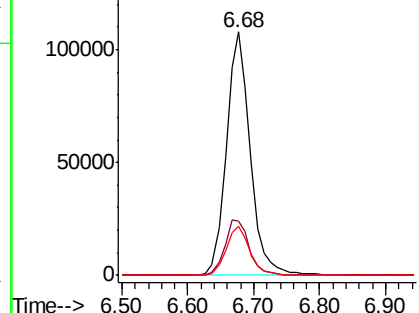
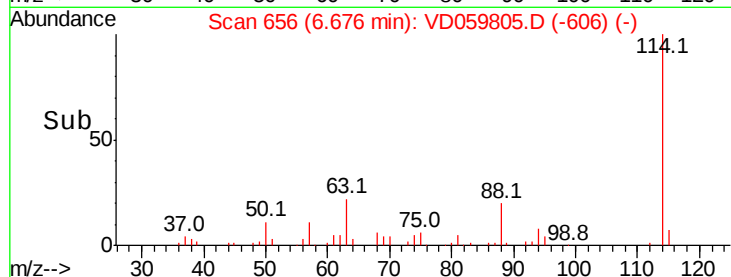
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD059805.D
 Acq: 15 Aug 2018 19:43

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.0
88	20.2	0.0	41.2

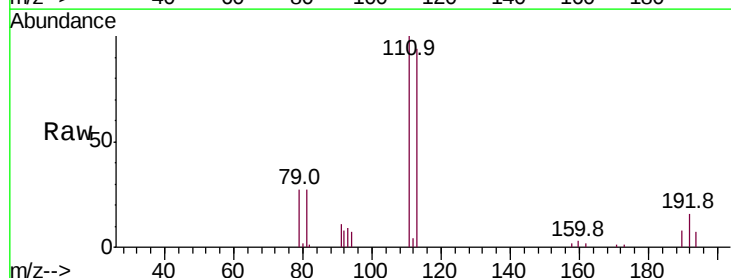


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

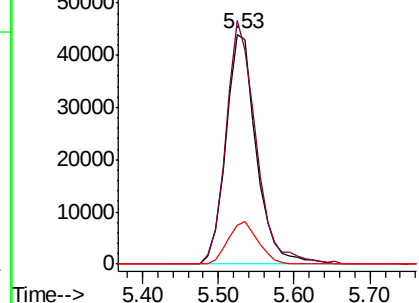
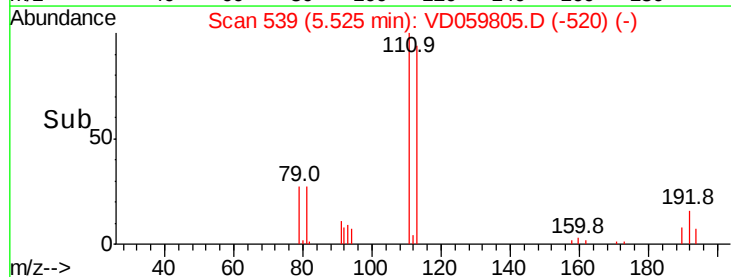


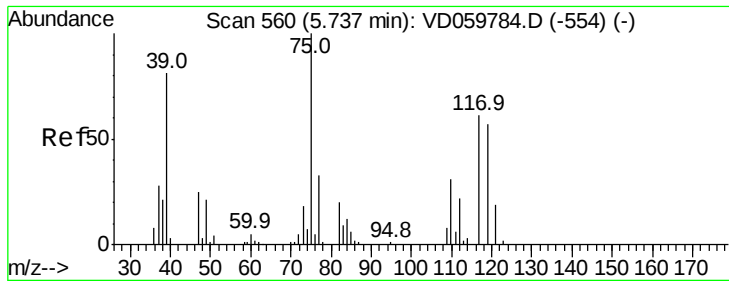
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059805.D
 Acq: 15 Aug 2018 19:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.8	87.7	131.5
192	16.9	14.6	21.8



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: 7.126 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.11 min

Lab File: VD059805.D

Acq: 15 Aug 2018 19:43

Instrument :
MSVOA_D
ClientSampleId :

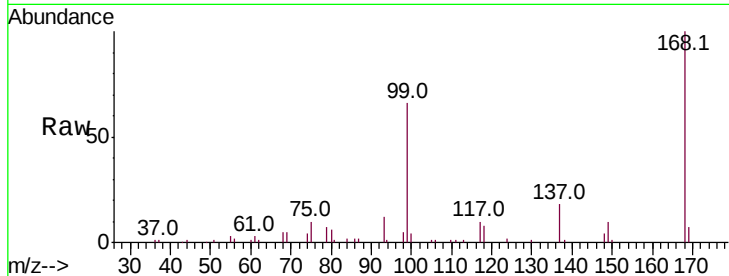
Tot Ion: 75 Resp: 19781

Ion Ratio Lower Upper

75 100

110 11.2 15.3 45.8#

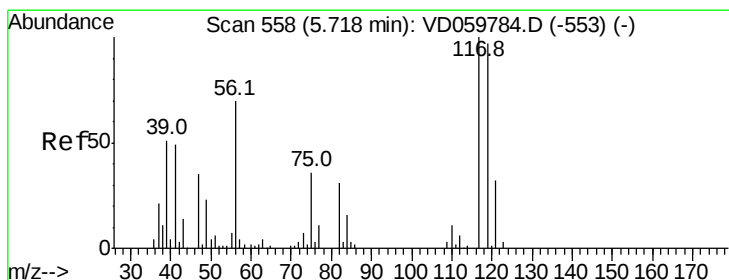
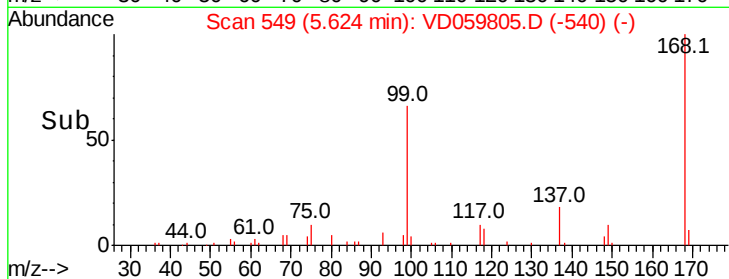
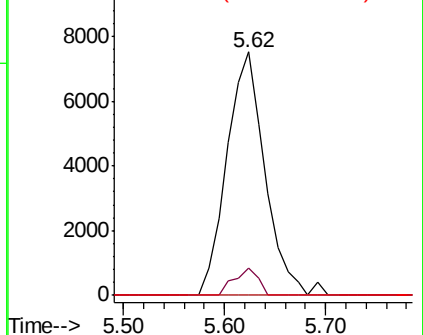
77 0.0 26.2 39.4#



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: 6.279 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD059805.D

Acq: 15 Aug 2018 19:43

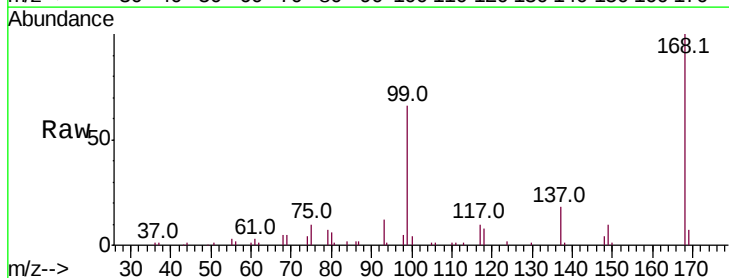
Tgt Ion: 117 Resp: 21029

Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#

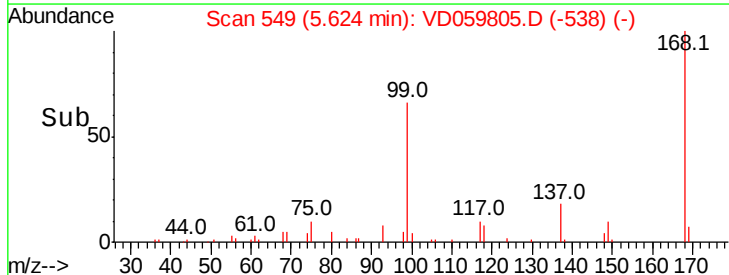
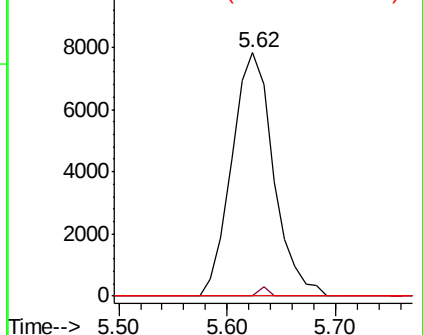
121 0.0 24.7 37.1#

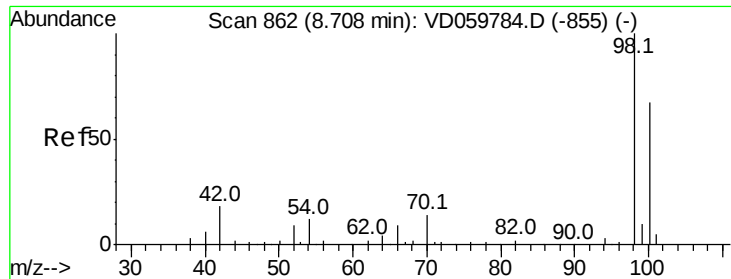


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

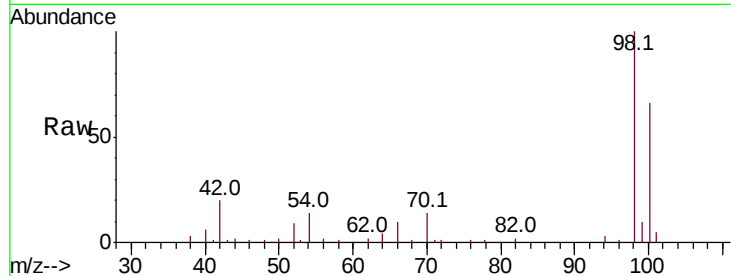




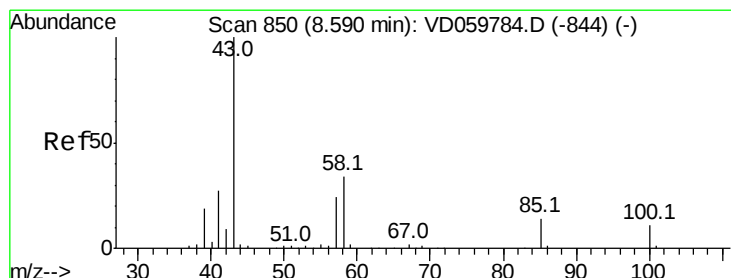
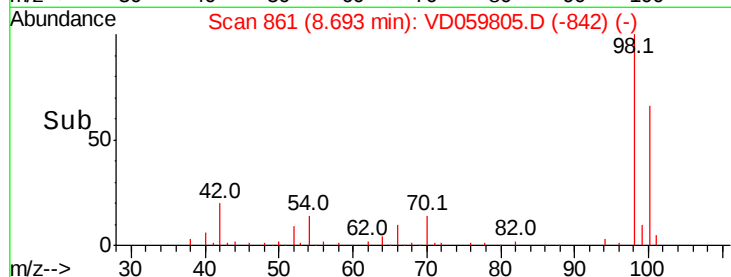
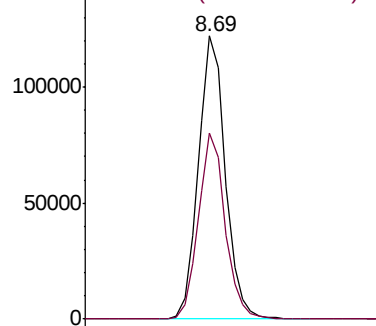
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059805.D
Acq: 15 Aug 2018 19:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 270522
Ion Ratio Lower Upper
98 100
100 66.0 54.2 81.4

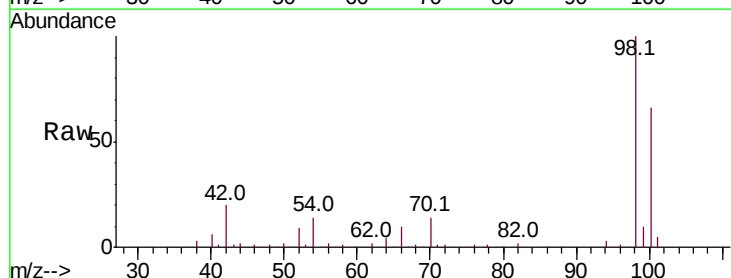


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

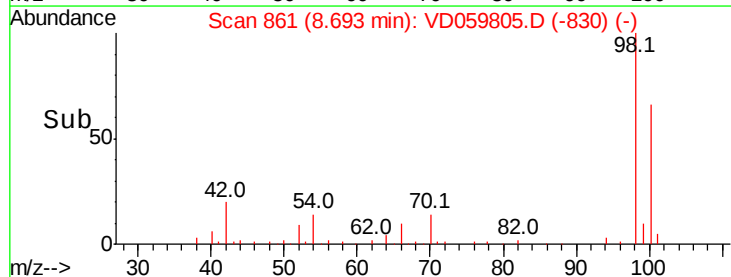
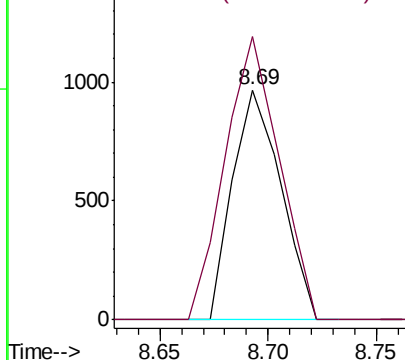


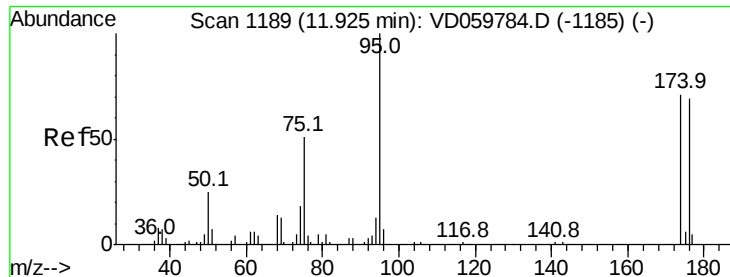
#51
4-Methyl-2-Pentanone
Concen: 1.144 ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.10 min
Lab File: VD059805.D
Acq: 15 Aug 2018 19:43

Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
58 123.2 27.5 41.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059805.D

Acq: 15 Aug 2018 19:43

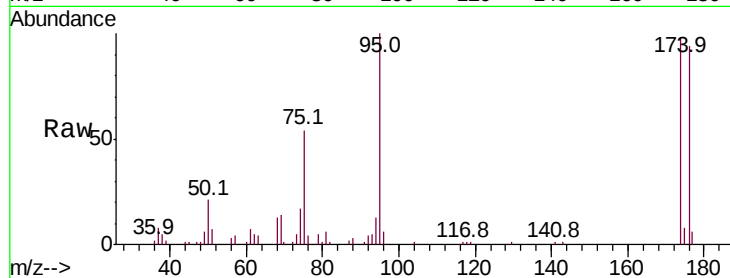
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 95 Resp: 113739

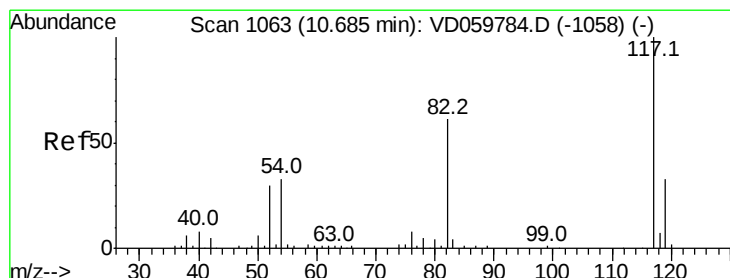
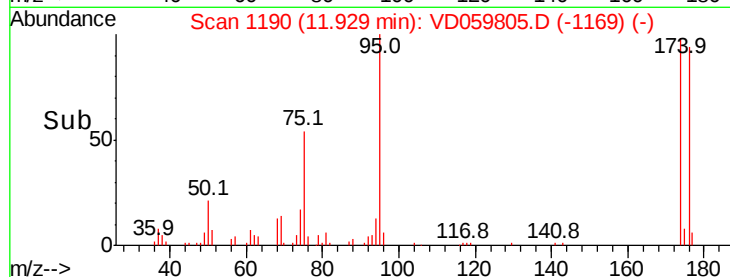
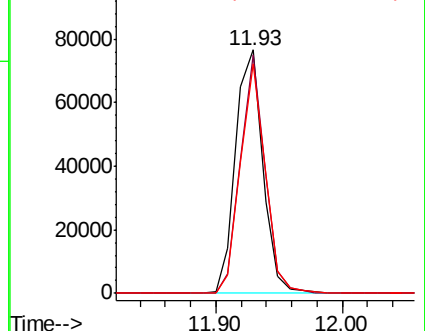
Ion	Ratio	Lower	Upper
95	100		
174	97.9	0.0	142.2
176	94.1	0.0	137.4



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: 10.68 min Scan# 1063

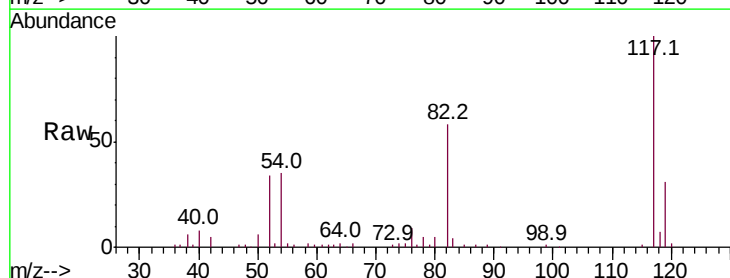
Delta R.T. -0.01 min

Lab File: VD059805.D

Acq: 15 Aug 2018 19:43

Tgt Ion: 117 Resp: 232779

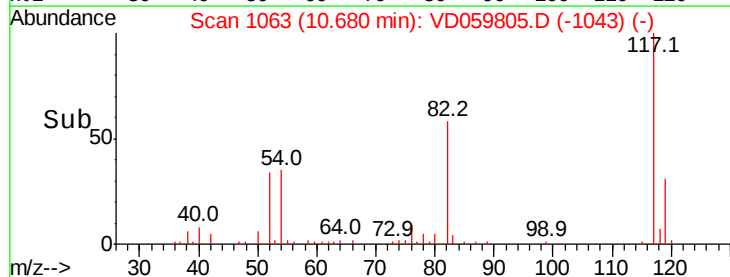
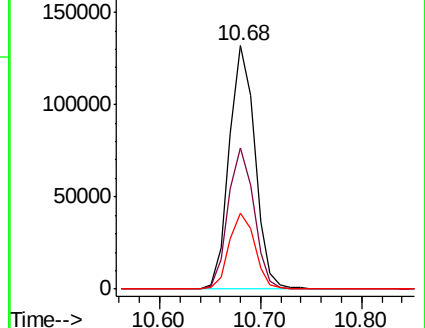
Ion	Ratio	Lower	Upper
117	100		
82	58.1	49.0	73.6
119	31.3	26.2	39.2

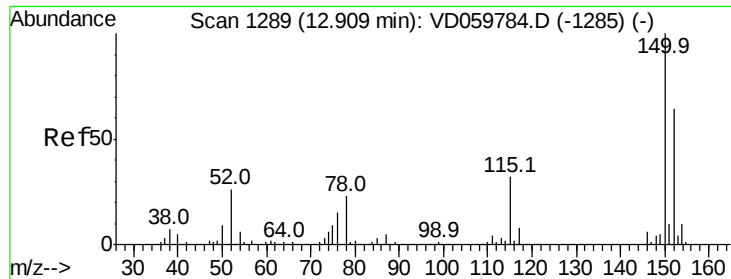


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD059805.D

Acq: 15 Aug 2018 19:43

Instrument :

MSVOA_D

ClientSampleId :

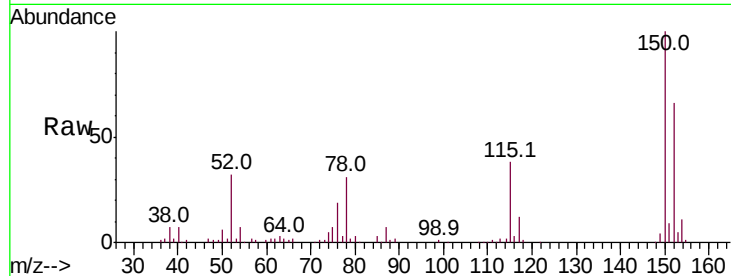
Tot Ion:152 Resp: 114361

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.5

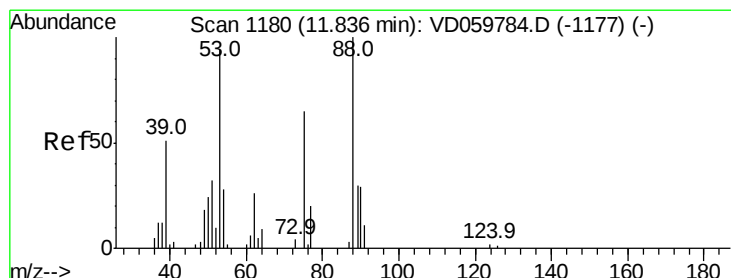
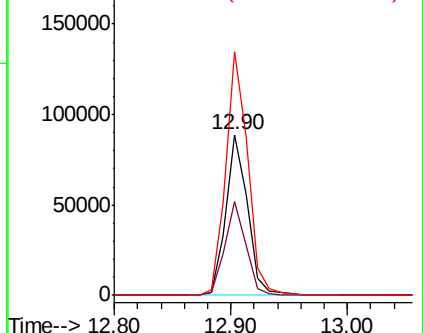
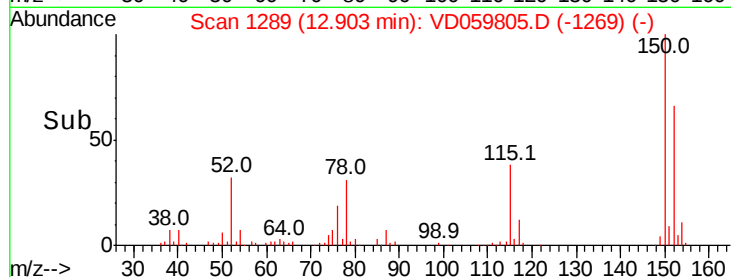
150 151.6 0.0 312.4



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: 159.840 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.09 min

Lab File: VD059805.D

Acq: 15 Aug 2018 19:43

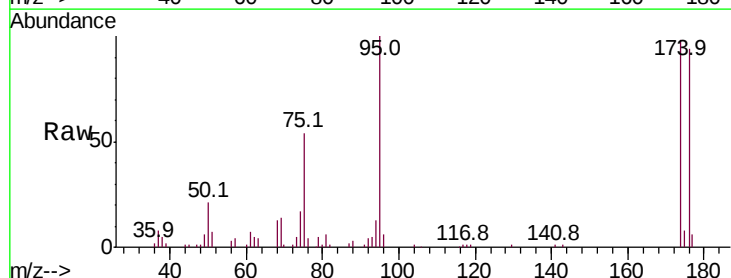
Tgt Ion: 75 Resp: 60678

Ion Ratio Lower Upper

75 100

53 0.0 116.2 174.2#

89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

