

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052245.D
 Acq On : 9 Nov 2018 23:23
 Operator : MD\SY
 Sample : J5269-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-12-GW

Quant Time: Nov 12 03:26:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	338396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	560817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	218425	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	7.59	113	176424	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	10.09	98	687214	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	199882	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	

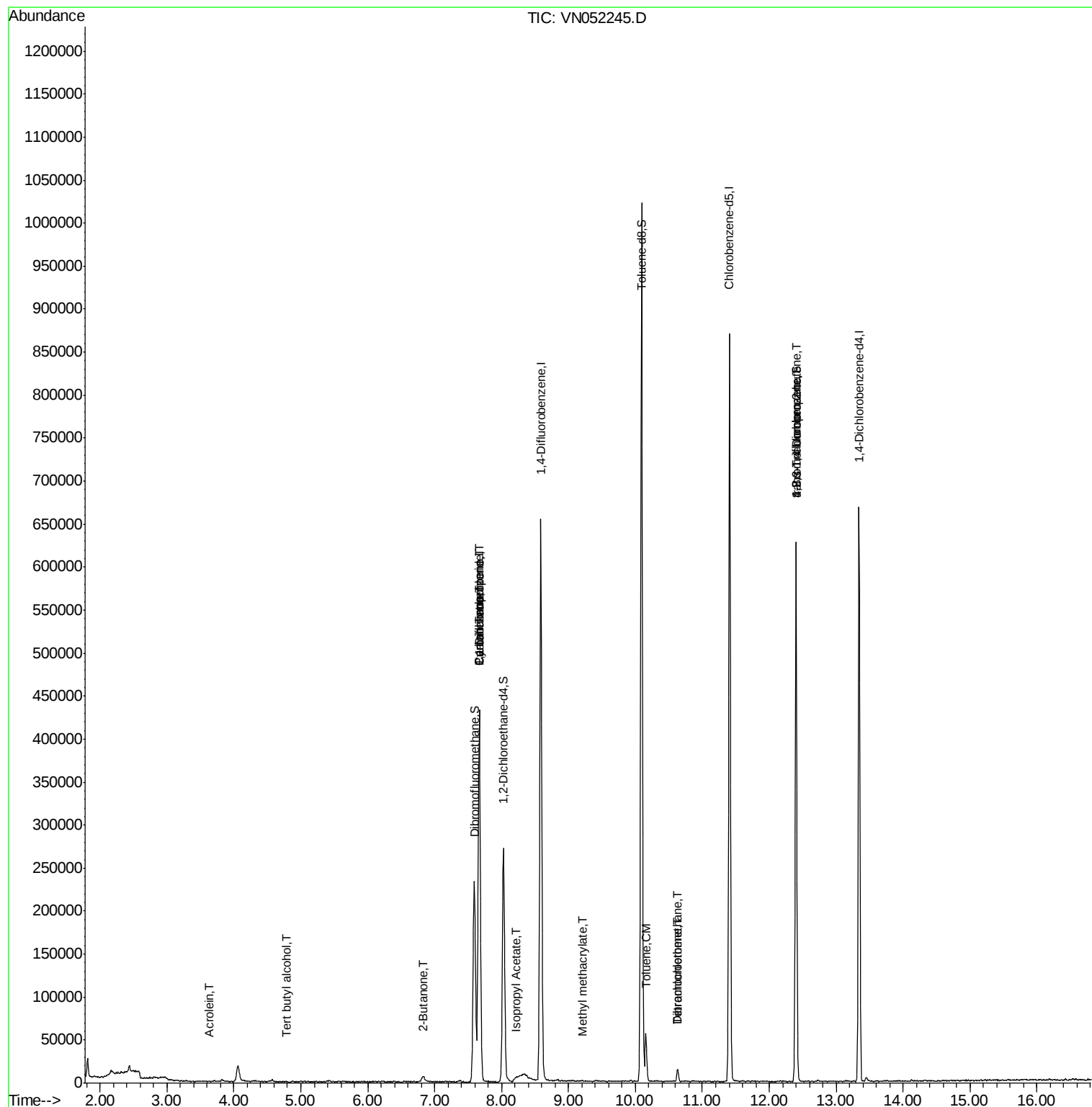
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	93	0.392	ug/l #	71
13) Acrolein	3.62	56	95	34.322	ug/l #	12
16) Acetone	3.82	43	1716	Below Cal		90
25) 2-Butanone	6.84	43	624	0.316	ug/l #	52
31) Cyclohexane	7.66	56	9030	0.581	ug/l #	8
36) 1,1-Dichloropropene	7.67	75	29997	5.299	ug/l #	47
38) Carbon Tetrachloride	7.66	117	33812	6.591	ug/l #	15
43) Isopropyl Acetate	8.21	43	3707	0.500	ug/l #	64
48) Methyl methacrylate	9.20	41	870	0.222	ug/l #	66
52) Toluene	10.16	92	21201	2.169	ug/l	95
60) Dibromochloromethane	10.63	129	3086	0.861	ug/l #	11
64) Tetrachloroethene	10.63	164	2866	0.876	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	107647	37.798	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	107647	129.023	ug/l #	8

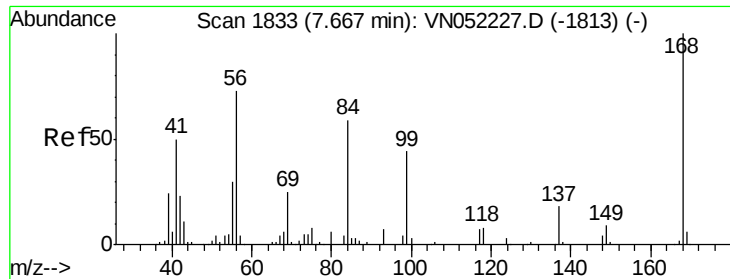
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

Instrument :

MSVOA_N

ClientSampleId :

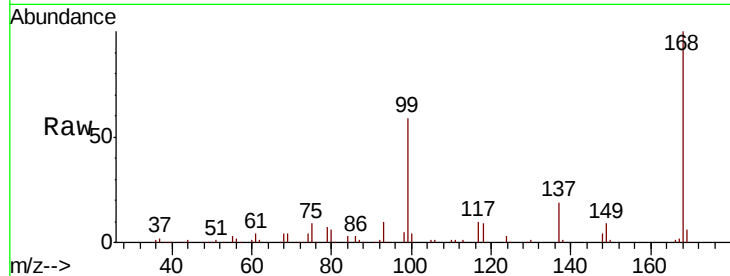
SB-12-GW

Tot Ion:168 Resp: 338396

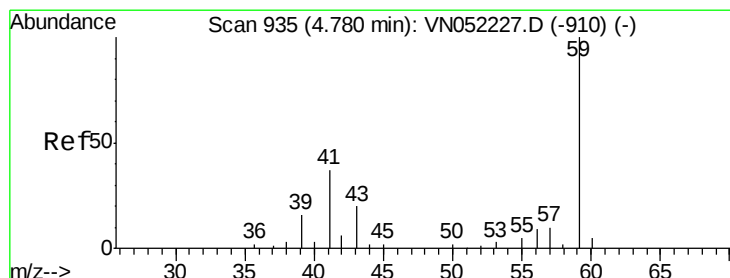
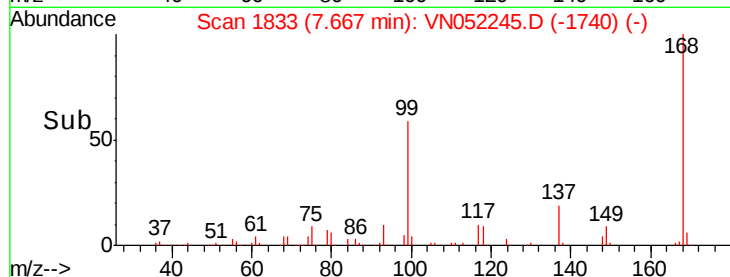
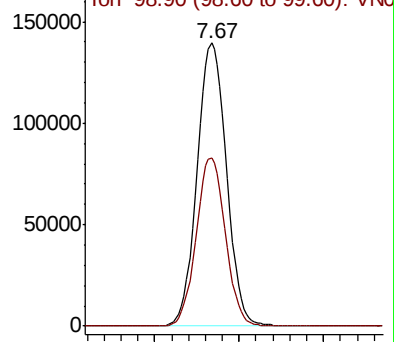
Ion Ratio Lower Upper

168 100

99 59.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)



#11

Tert butyl alcohol

Concen: 0.392 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052245.D

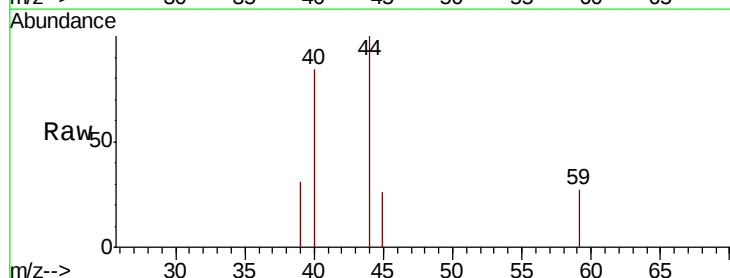
Acq: 9 Nov 2018 23:23

Tgt Ion: 59 Resp: 93

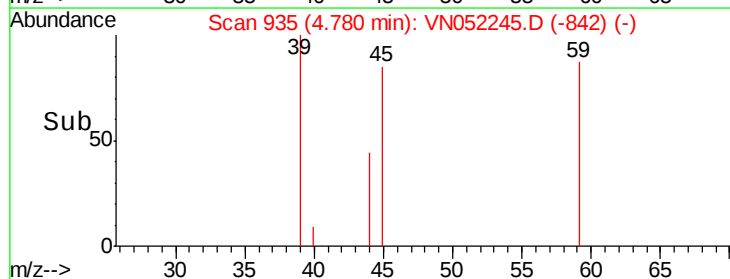
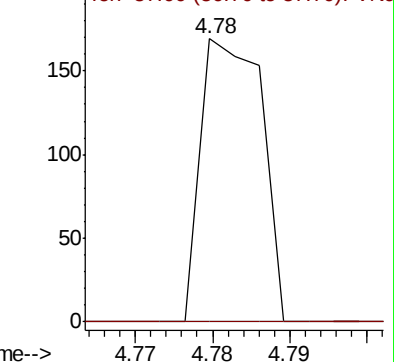
Ion Ratio Lower Upper

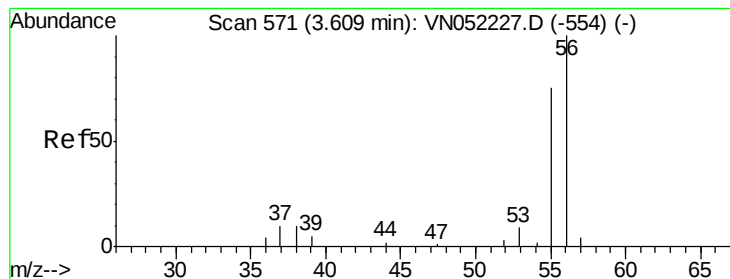
59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN052227.D (-910) (-)





#13

Acrolein

Concen: 34.322 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

Instrument :

MSVOA_N

ClientSampleId :

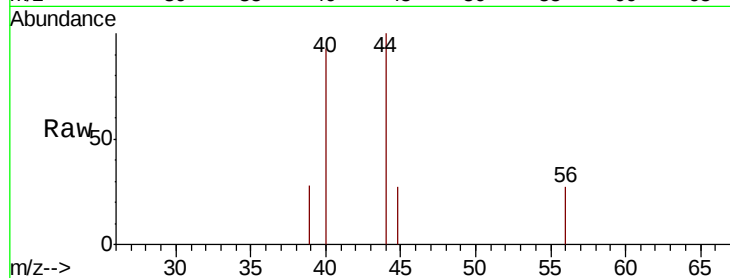
SB-12-GW

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

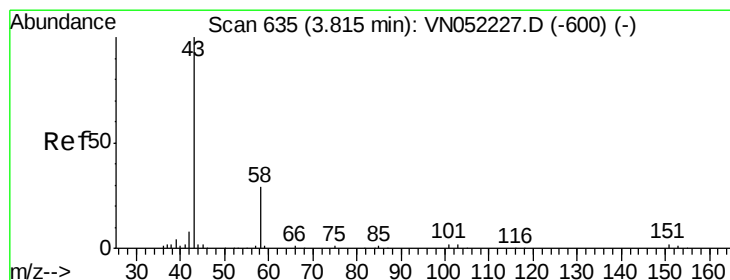
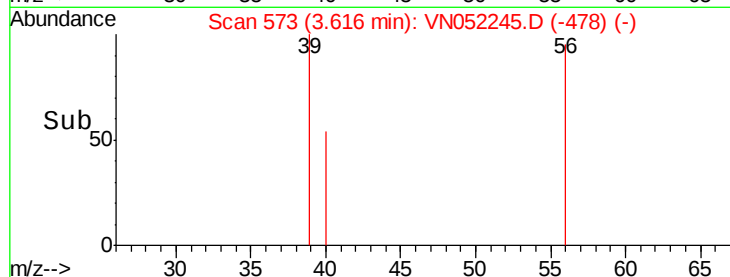
150

100

50

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052245.D

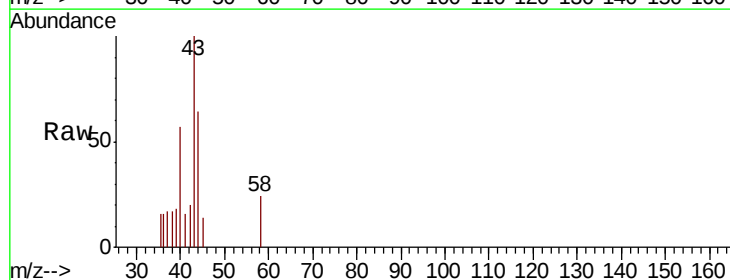
Acq: 9 Nov 2018 23:23

Tgt Ion: 43 Resp: 1716

Ion Ratio Lower Upper

43 100

58 23.5 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

1200

1000

800

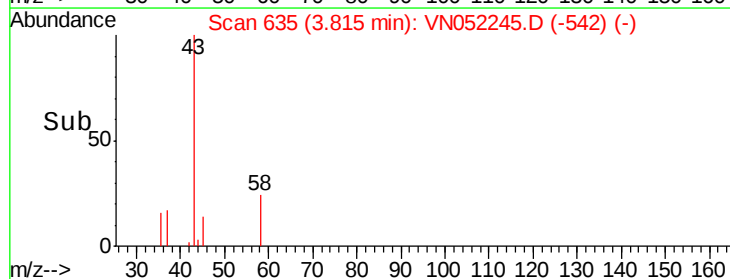
600

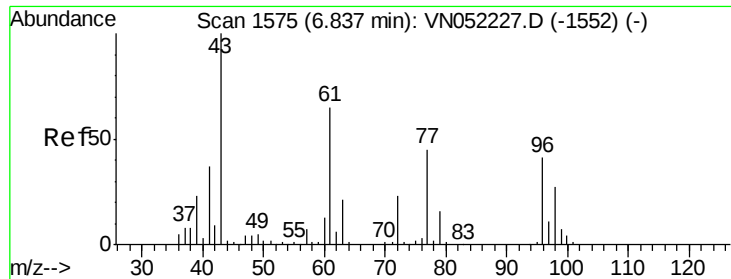
400

200

0

Time-->

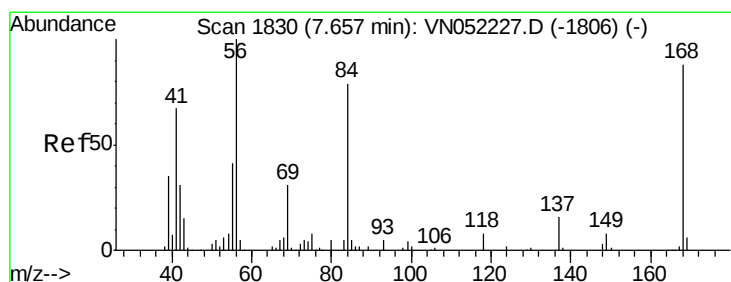
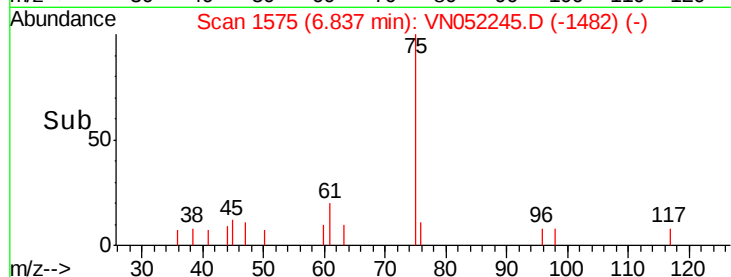
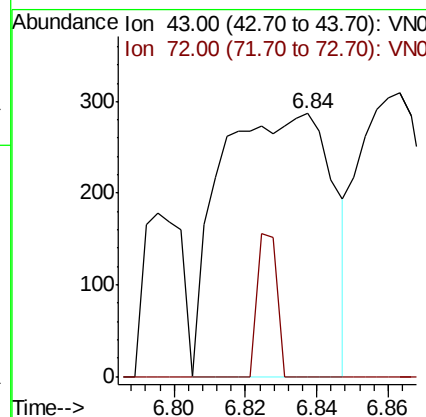
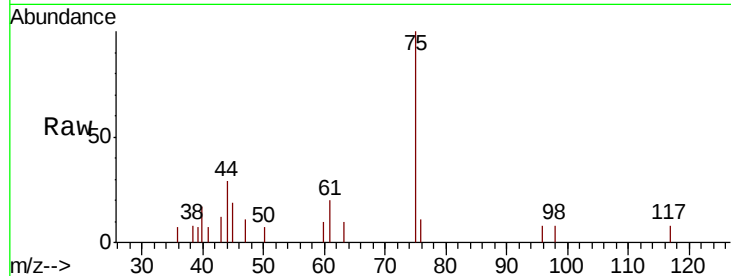




#25
2-Butanone
Concen: 0.316 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052245.D
Acq: 9 Nov 2018 23:23

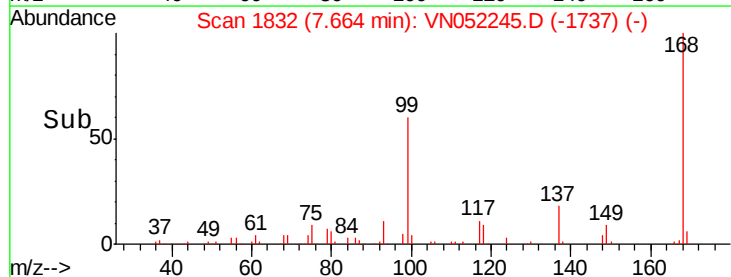
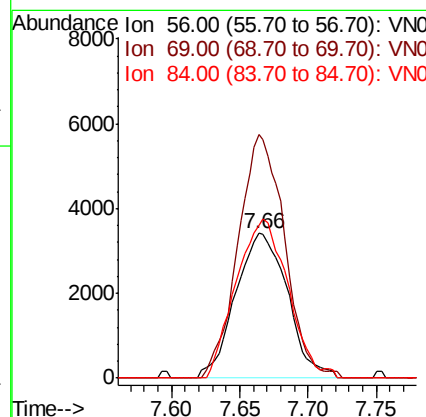
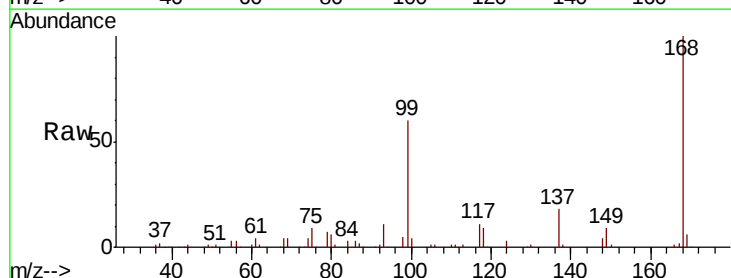
Instrument :
MSVOA_N
ClientSampleId :
SB-12-GW

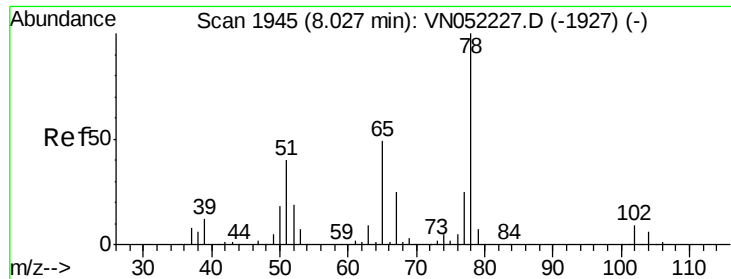
Tot Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 0.581 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052245.D
Acq: 9 Nov 2018 23:23

Tgt Ion: 56 Resp: 9030
Ion Ratio Lower Upper
56 100
69 168.2 24.8 37.2#
84 105.6 63.1 94.7#

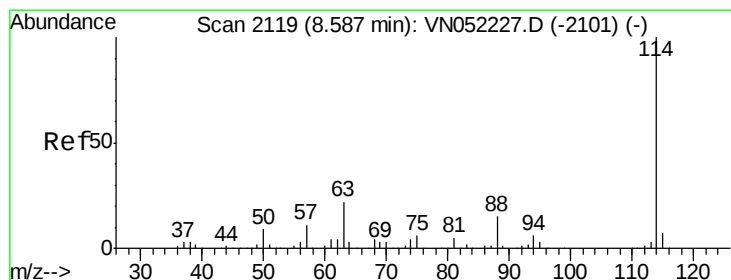
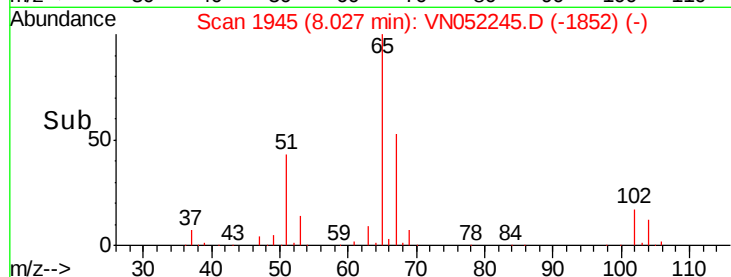
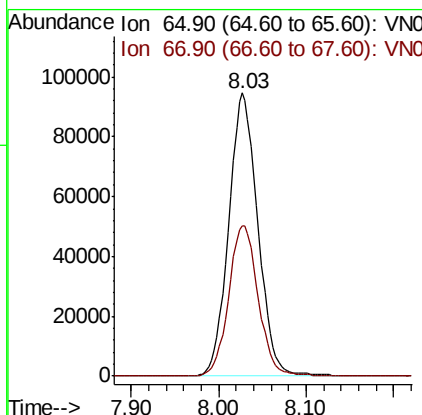
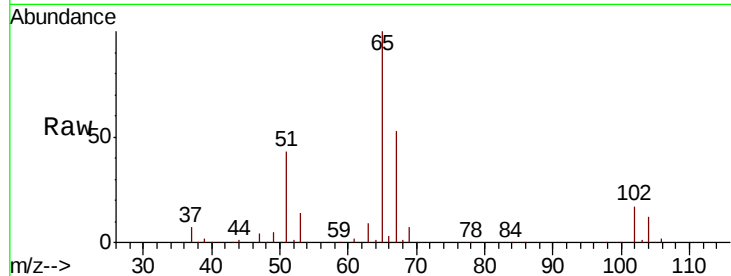




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052245.D
 Acq: 9 Nov 2018 23:23

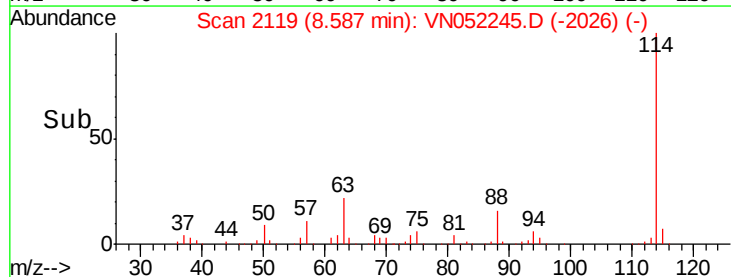
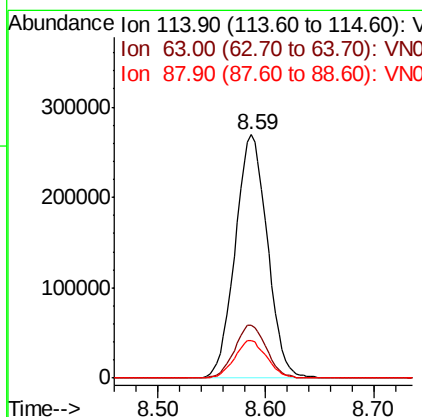
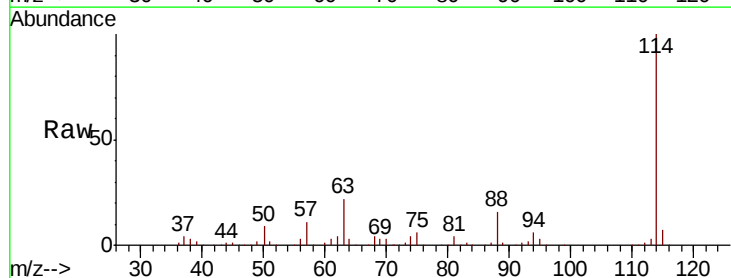
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-12-GW

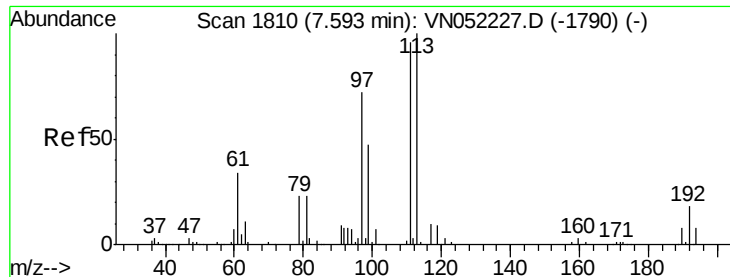
Tot Ion: 65 Resp: 218425
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052245.D
 Acq: 9 Nov 2018 23:23

Tgt Ion: 114 Resp: 560817
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

Instrument :

MSVOA_N

ClientSampleId :

SB-12-GW

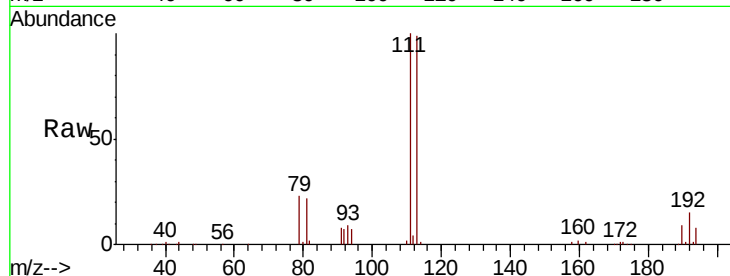
Tot Ion:113 Resp: 176424

Ion Ratio Lower Upper

113 100

111 100.6 80.2 120.4

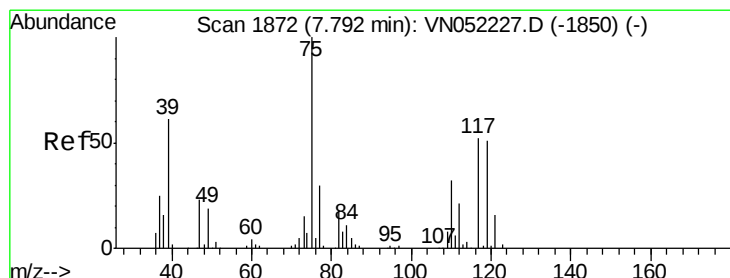
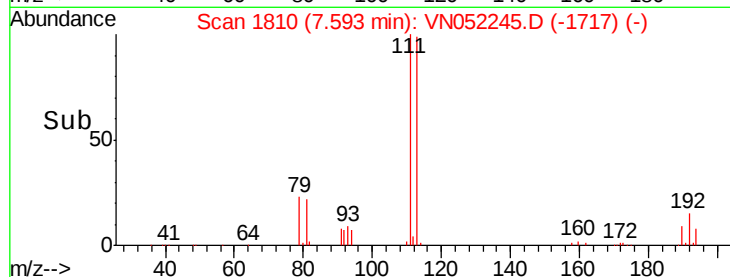
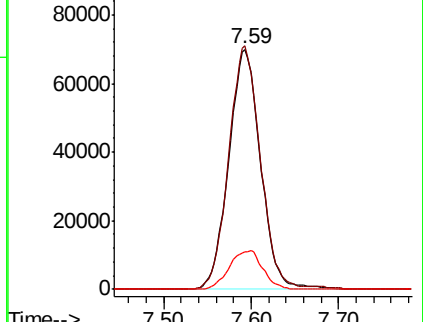
192 17.0 14.1 21.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.299 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

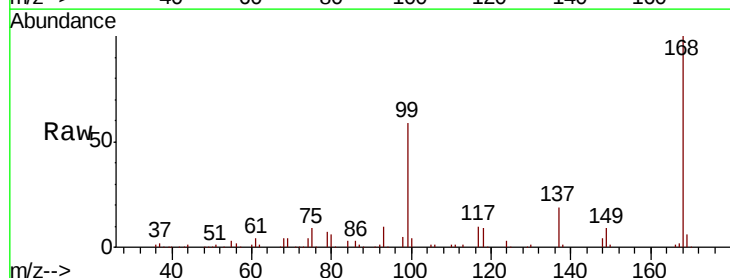
Tgt Ion: 75 Resp: 29997

Ion Ratio Lower Upper

75 100

110 3.8 16.4 49.4#

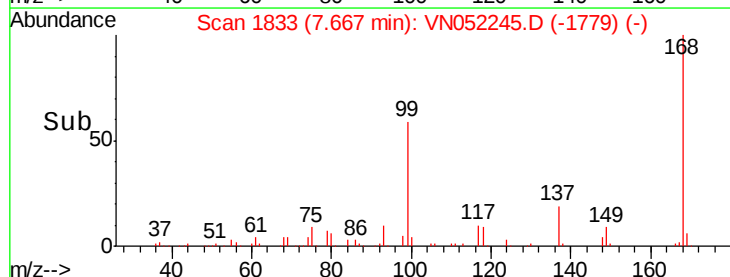
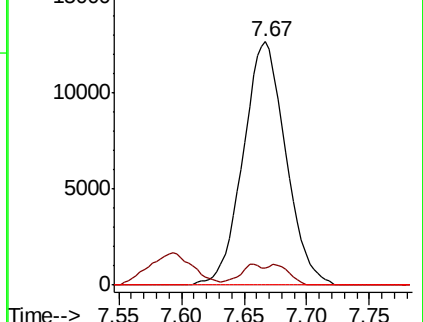
77 0.0 23.9 35.9#

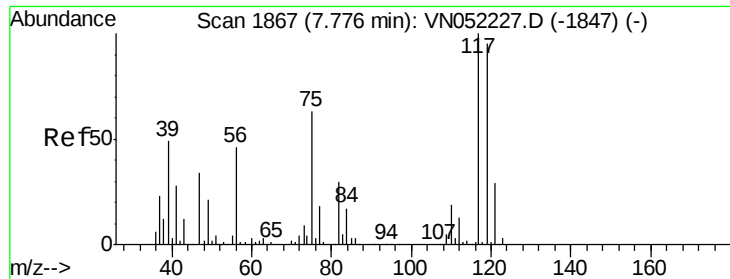


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.591 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

Instrument :

MSVOA_N

ClientSampleId :

SB-12-GW

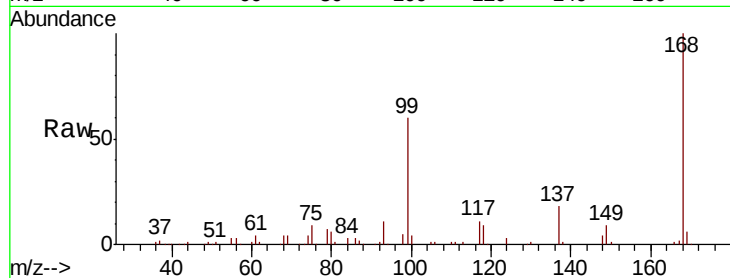
Tot Ion:117 Resp: 33812

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

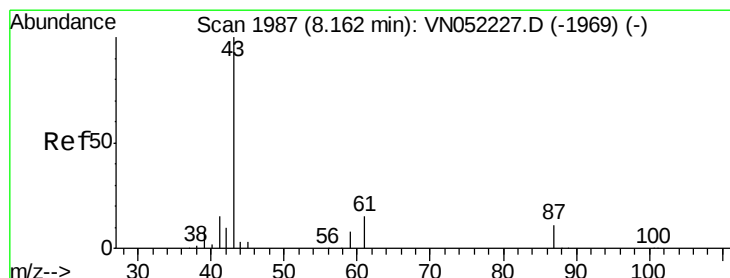
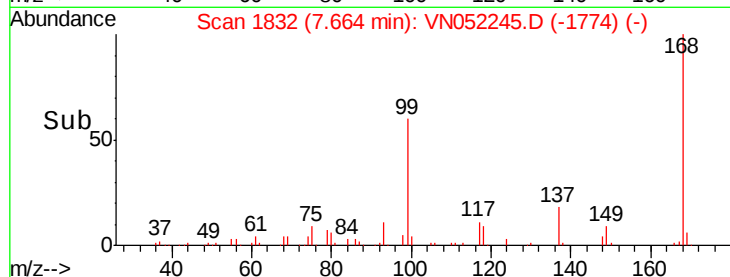
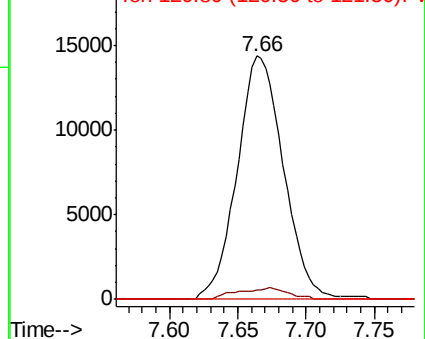
121 0.0 23.4 35.2#



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



#43

Isopropyl Acetate

Concen: 0.500 ug/l

RT: 8.21 min Scan# 2001

Delta R.T. 0.05 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

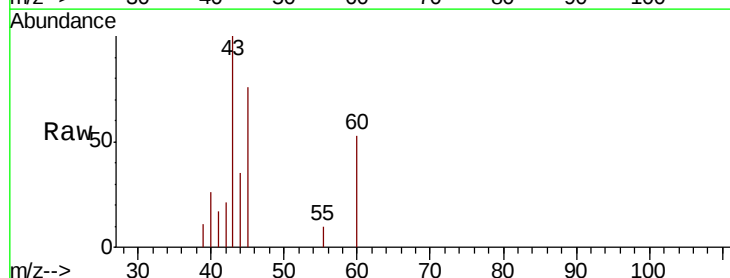
Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

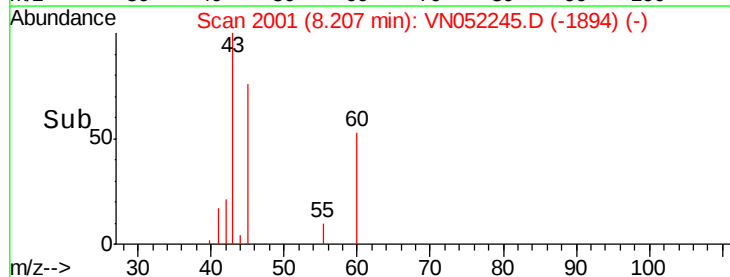
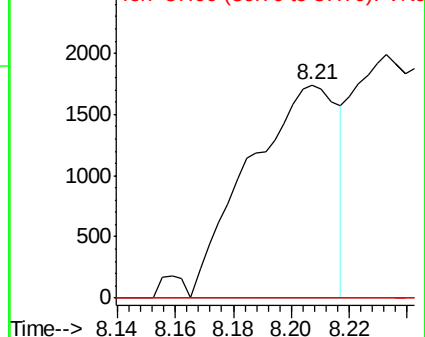
87 0.0 8.4 12.6#

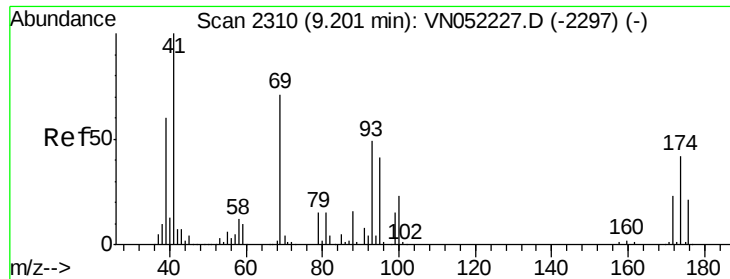


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

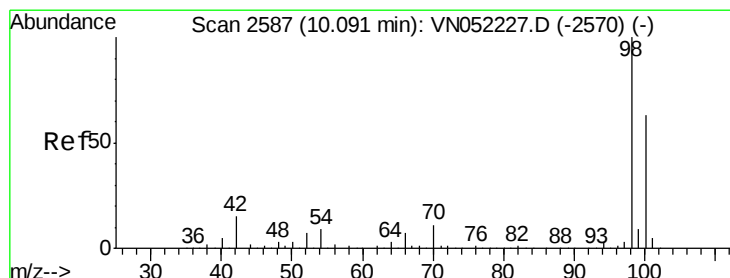
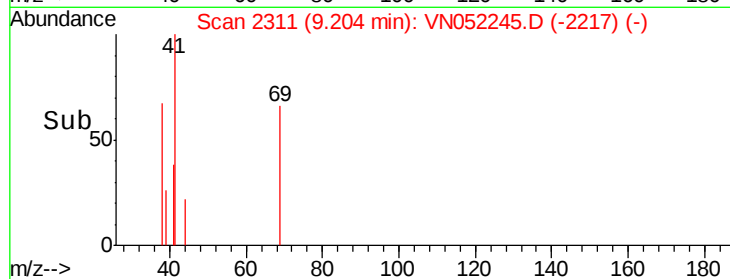
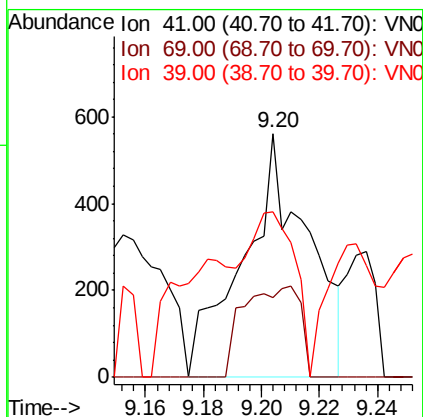
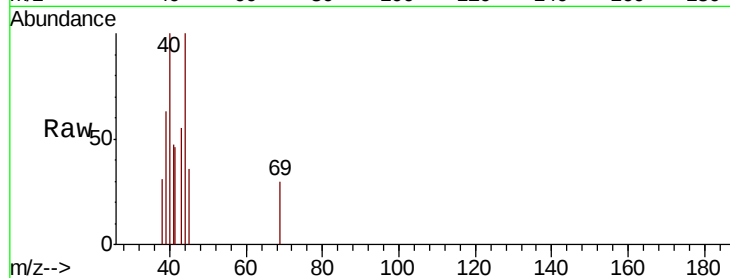




#48
Methyl methacrylate
Concen: 0.222 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN052245.D
Acq: 9 Nov 2018 23:23

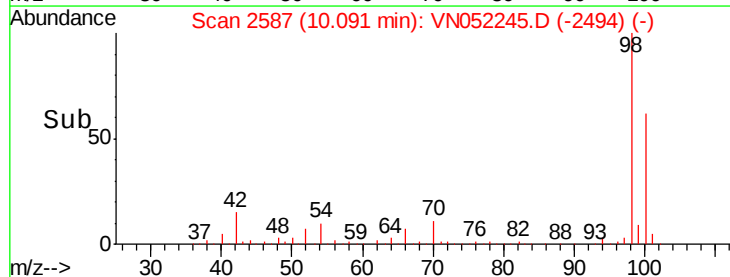
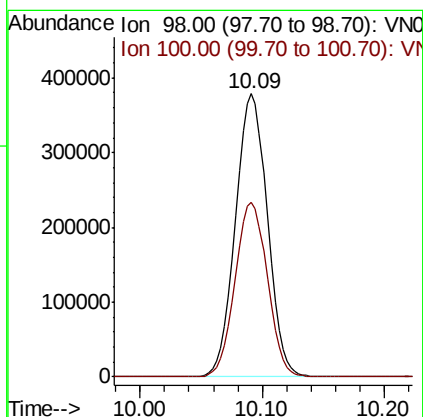
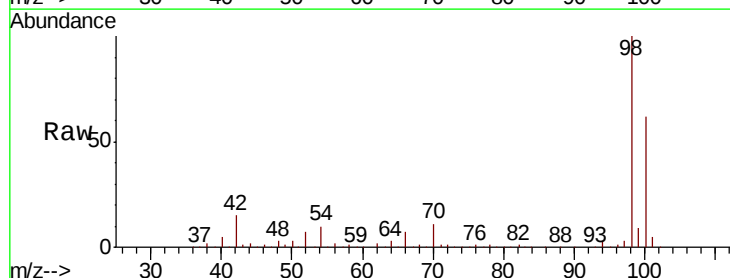
Instrument :
MSVOA_N
ClientSampled :
SB-12-GW

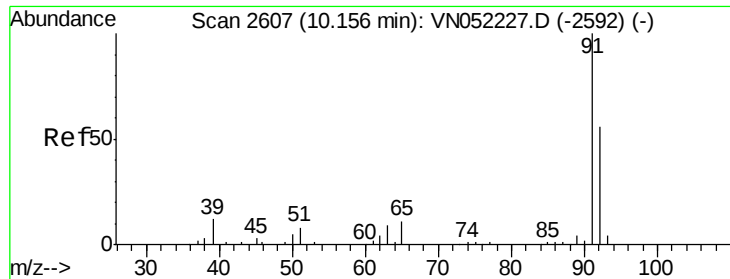
Tot Ion: 41 Resp: 870
Ion Ratio Lower Upper
41 100
69 32.6 58.8 88.2#
39 49.5 50.7 76.1#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052245.D
Acq: 9 Nov 2018 23:23

Tgt Ion: 98 Resp: 687214
Ion Ratio Lower Upper
98 100
100 62.3 50.2 75.2





#52

Toluene

Concen: 2.169 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

Instrument :

MSVOA_N

ClientSampleId :

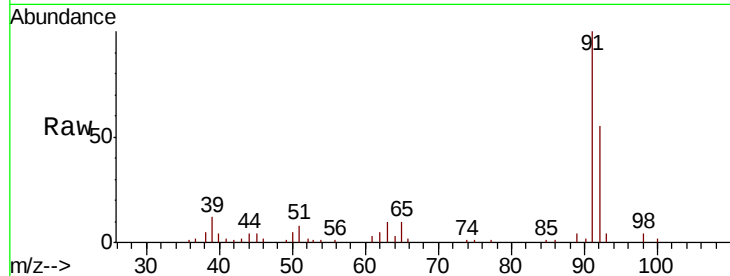
SB-12-GW

Tot Ion: 92 Resp: 21201

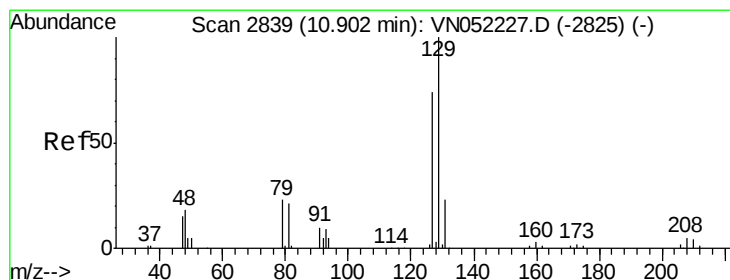
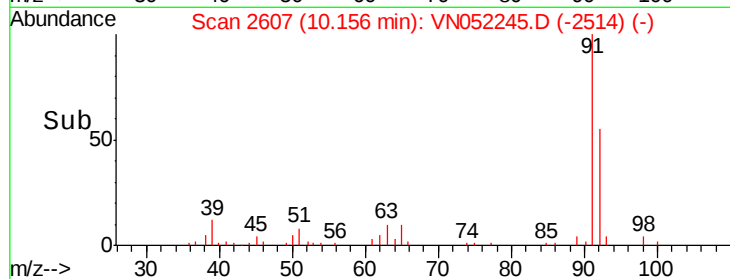
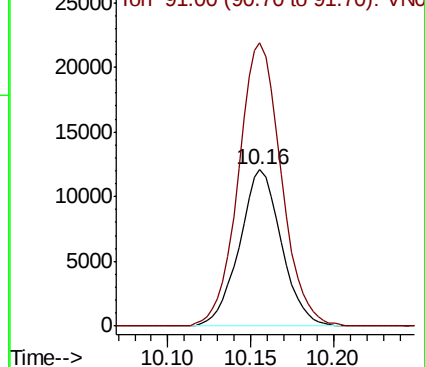
Ion Ratio Lower Upper

92 100

91 185.4 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052227.D (-2592) (-)



#60

Dibromochloromethane

Concen: 0.861 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN052245.D

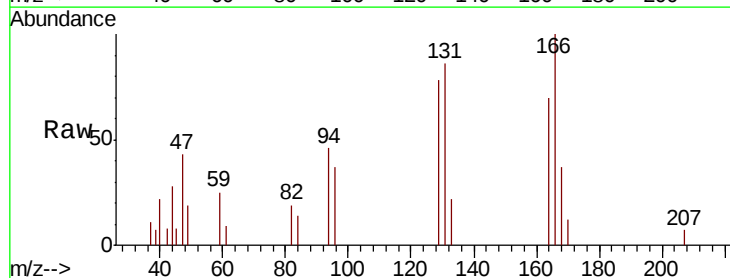
Acq: 9 Nov 2018 23:23

Tgt Ion: 129 Resp: 3086

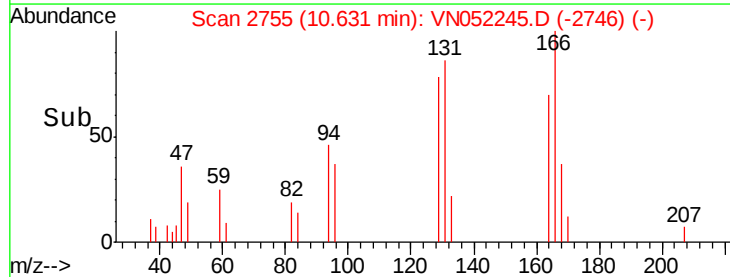
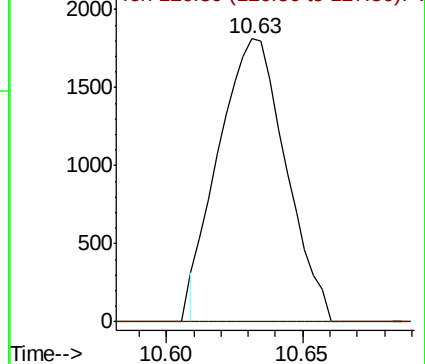
Ion Ratio Lower Upper

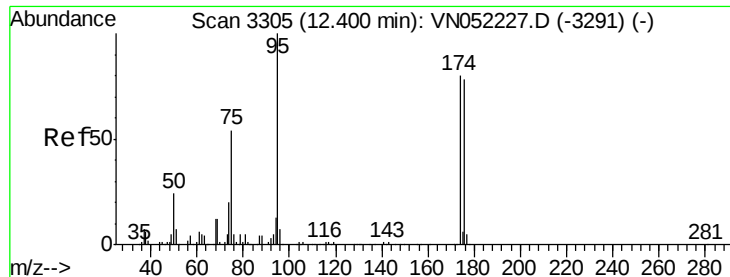
129 100

127 0.0 38.0 114.1#



Abundance Ion 128.80 (128.50 to 129.50): VN052227.D (-2825) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

Instrument :

MSVOA_N

ClientSampleId :

SB-12-GW

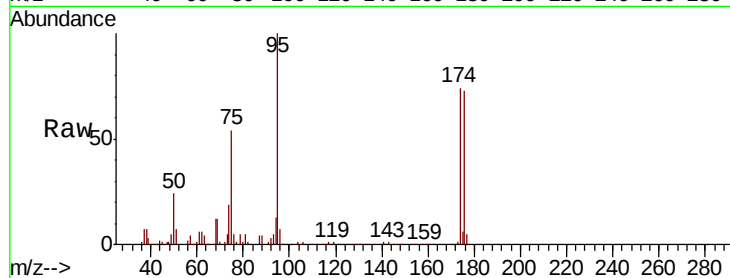
Tot Ion: 95 Resp: 199882

Ion Ratio Lower Upper

95 100

174 76.4 0.0 159.4

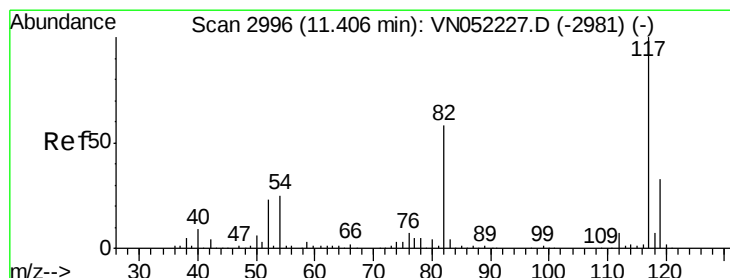
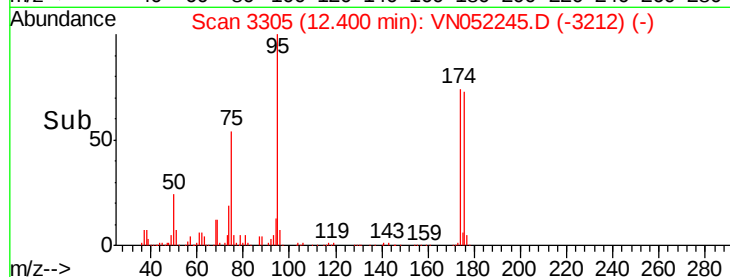
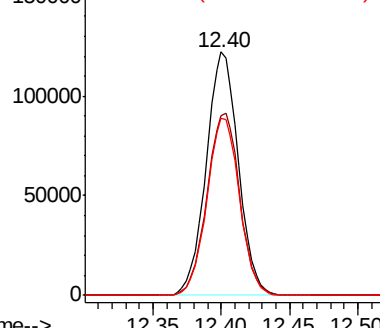
176 73.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

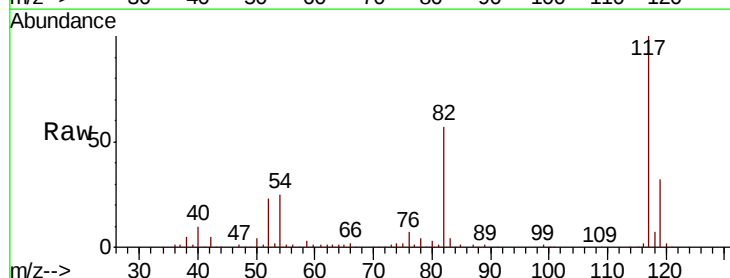
Tgt Ion: 117 Resp: 467341

Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.2

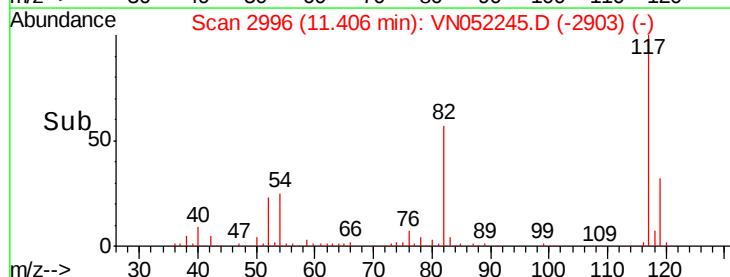
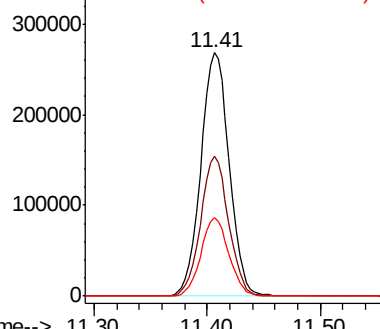
119 32.0 26.2 39.4

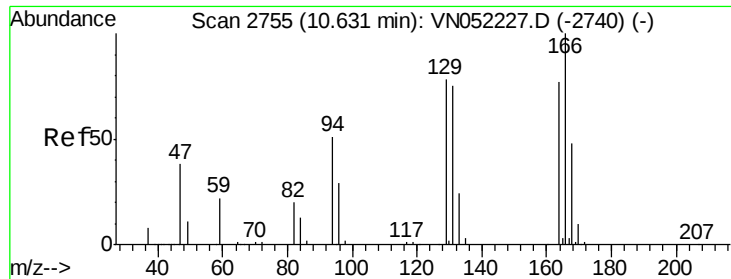


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

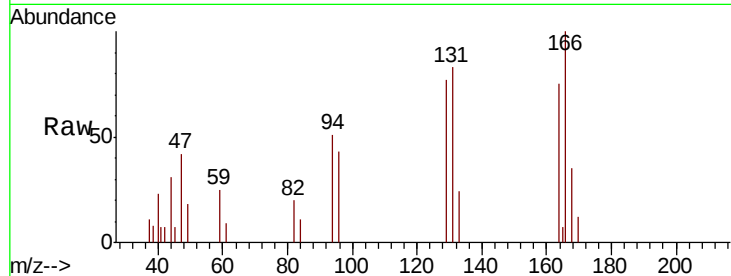




#64
Tetrachloroethene
Concen: 0.876 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052245.D
Acq: 9 Nov 2018 23:23

Instrument :
MSVOA_N
ClientSampleId :
SB-12-GW

Tot Ion	Ratio	Lower	Upper
164	100		
166	133.2	103.6	155.4
129	102.6	81.0	121.6
131	109.9	77.9	116.9



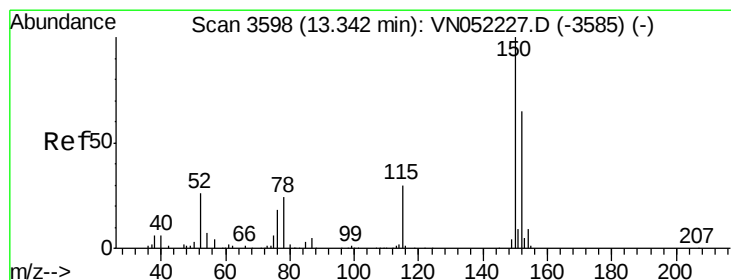
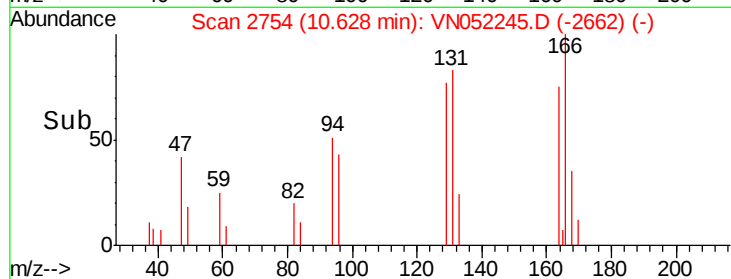
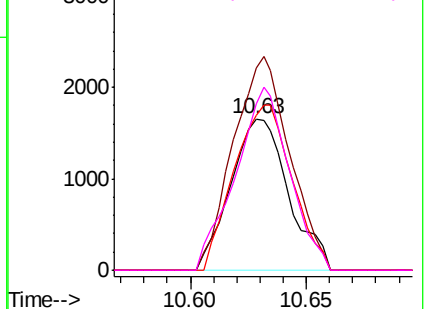
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

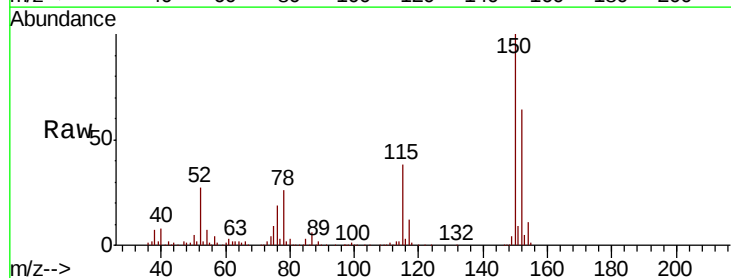
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052245.D
Acq: 9 Nov 2018 23:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.8	89.5
150	159.1	0.0	350.2

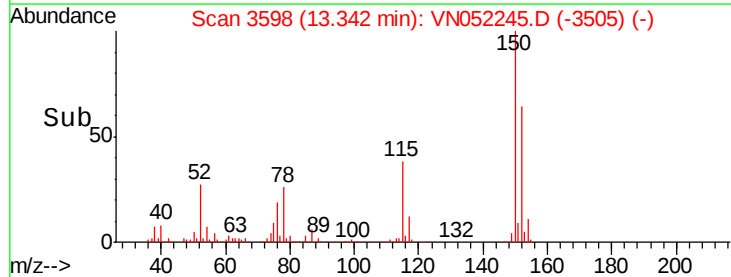
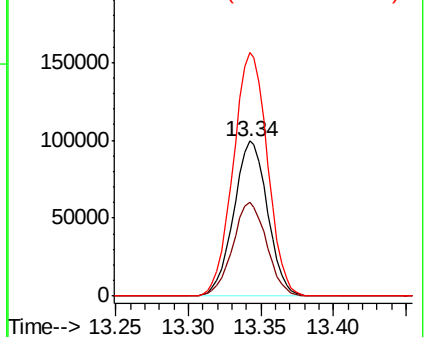


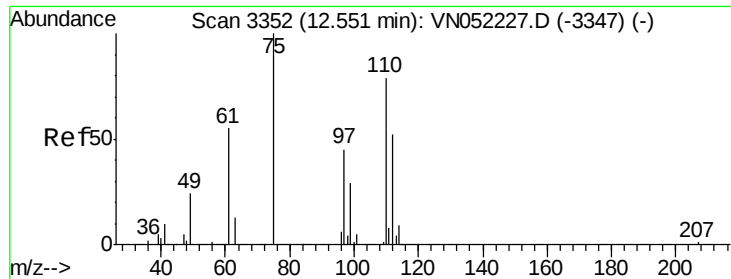
Abundance

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: 37.798 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

Instrument :

MSVOA_N

ClientSampleId :

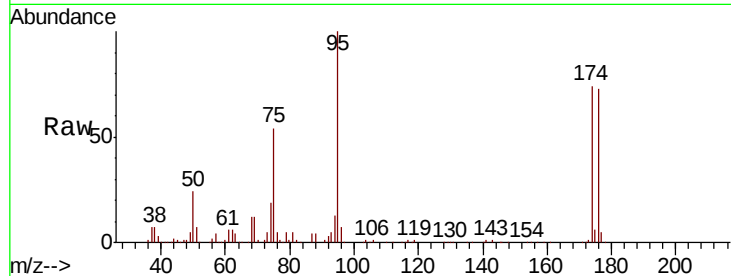
SB-12-GW

Tot Ion: 75 Resp: 107647

Ion Ratio Lower Upper

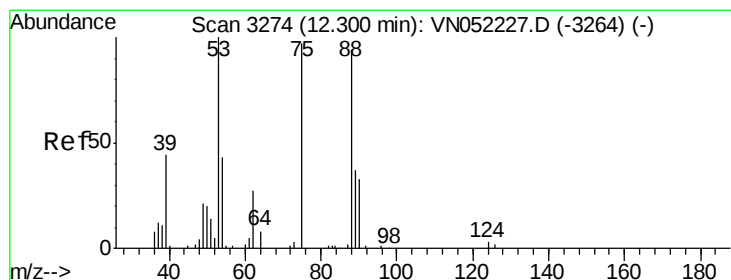
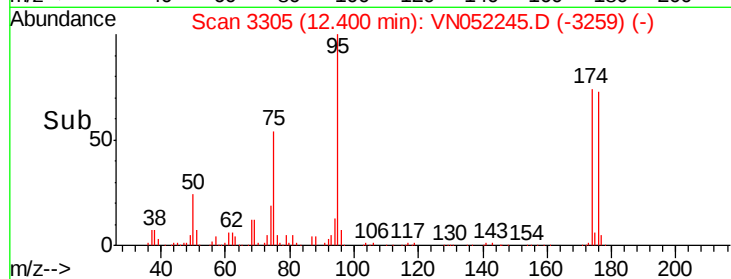
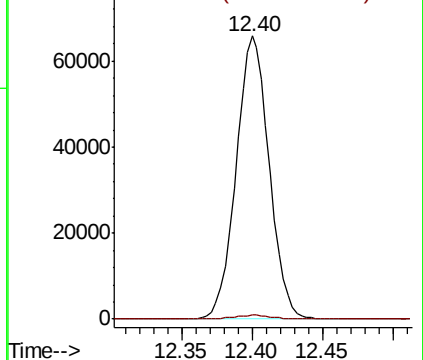
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 129.023 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052245.D

Acq: 9 Nov 2018 23:23

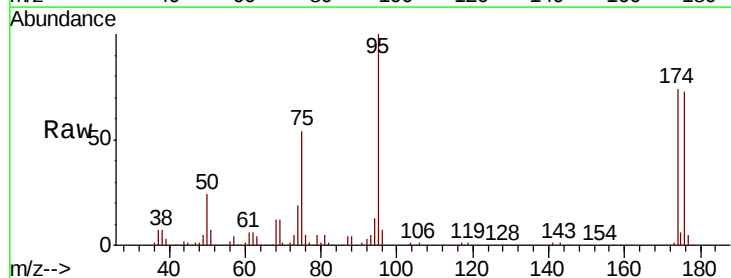
Tgt Ion: 75 Resp: 107647

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

89 0.0 33.7 50.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

