

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005498.D
 Acq On : 23 Oct 2018 04:33
 Operator : JC/MD
 Sample : J5621-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW-02

Quant Time: Oct 23 05:08:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

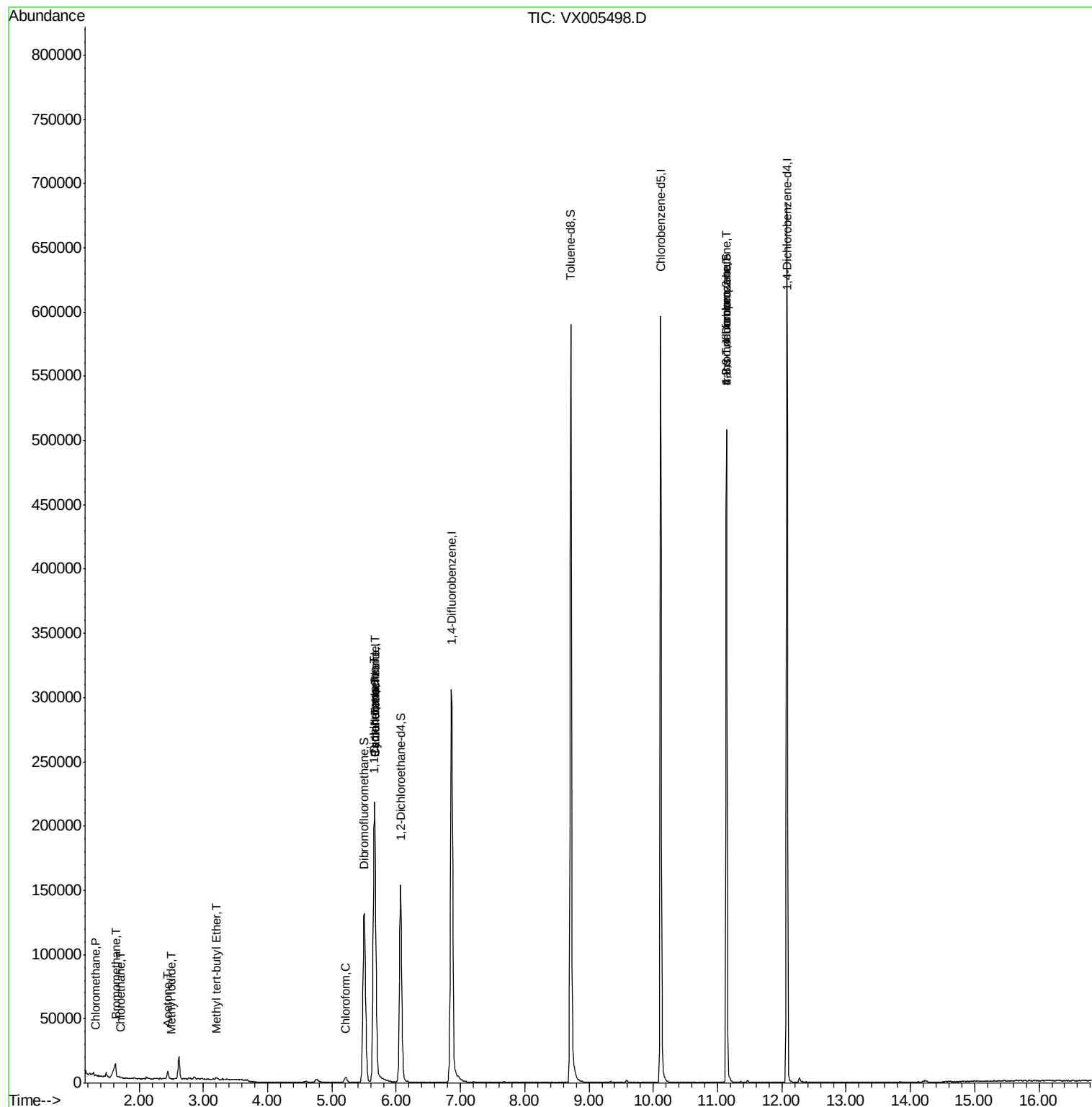
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137950	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	141983	54.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.90%	
35) Dibromofluoromethane	5.50	113	114186	54.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.04%	
50) Toluene-d8	8.71	98	382872	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	11.14	95	125314	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.94%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	545	0.207	ug/l #	77
5) Bromomethane	1.64	94	486	0.903	ug/l	92
6) Chloroethane	1.72	64	149	0.420	ug/l #	44
10) Methyl Iodide	2.51	142	27	2.500	ug/l #	41
13) Acrolein	2.30	56	82	Below Cal	#	1
16) Acetone	2.45	43	5721	3.829	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	1501	0.209	ug/l #	80
20) Methylene Chloride	2.85	84	537	Below Cal	#	77
30) Chloroform	5.22	83	4140	1.035	ug/l	96
31) Cyclohexane	5.67	56	4313	1.214	ug/l #	25
36) 1,1-Dichloropropene	5.65	75	15849	5.128	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20474	6.592	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	62963	23.530	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	62963	71.496	ug/l #	10

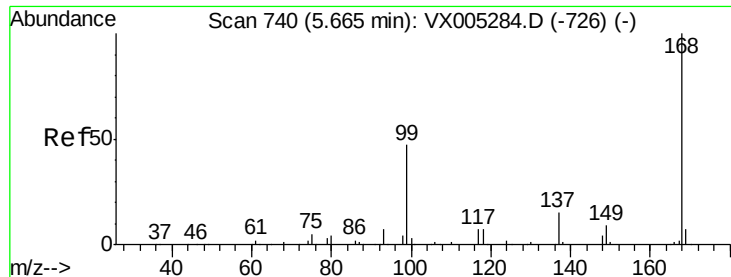
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

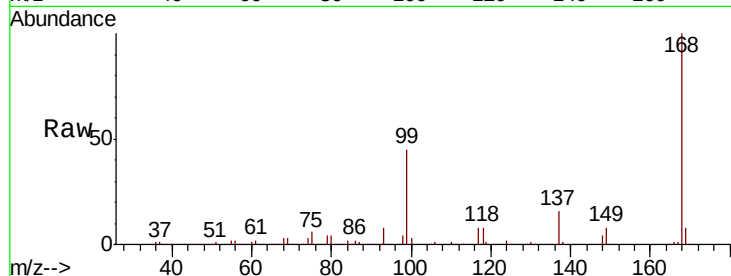
SA-SW-02

Tot Ion:168 Resp: 232831

Ion Ratio Lower Upper

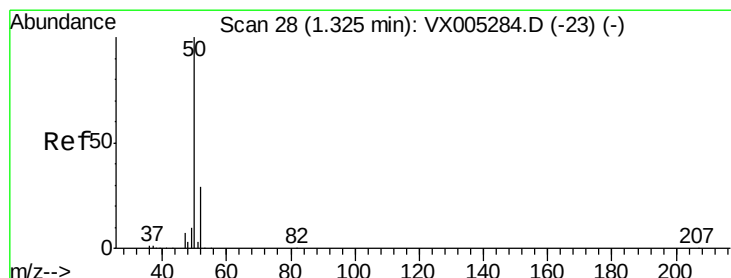
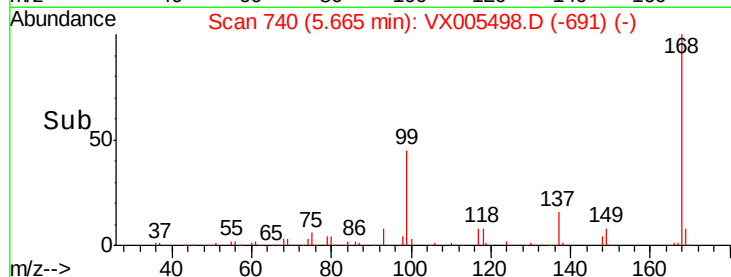
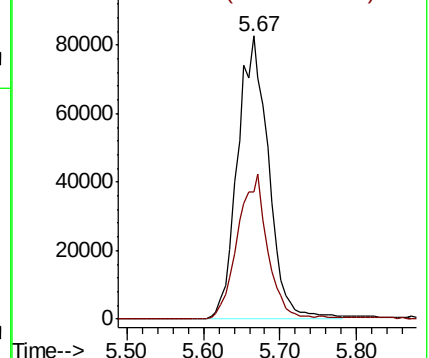
168 100

99 44.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005498.D

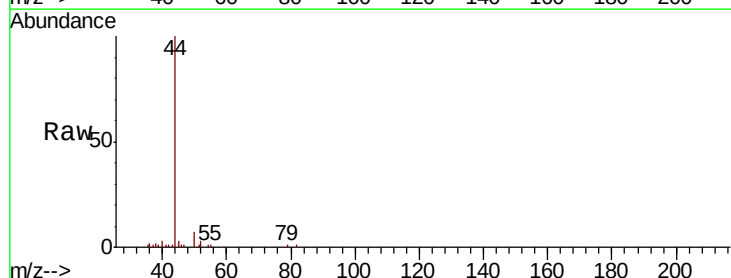
Acq: 23 Oct 2018 04:33

Tgt Ion: 50 Resp: 545

Ion Ratio Lower Upper

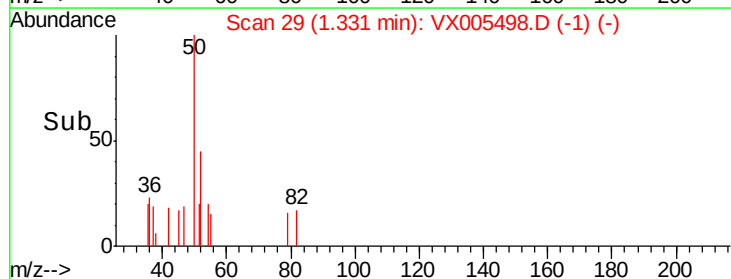
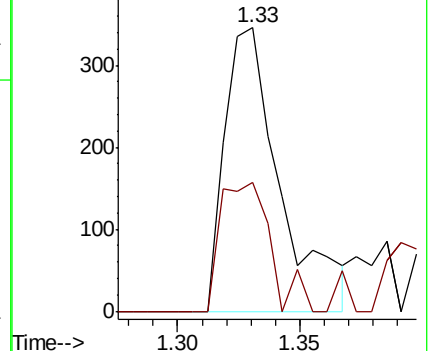
50 100

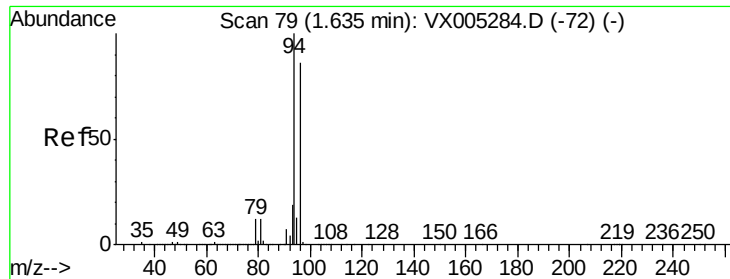
52 45.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.903 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

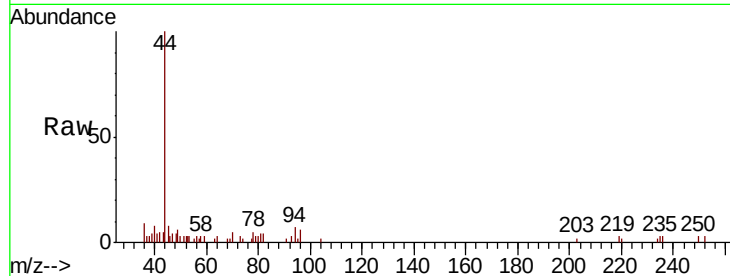
SA-SW-02

Tot Ion: 94 Resp: 486

Ion Ratio Lower Upper

94 100

96 85.2 74.5 111.7



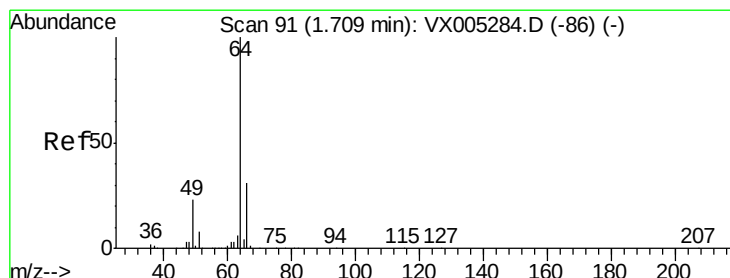
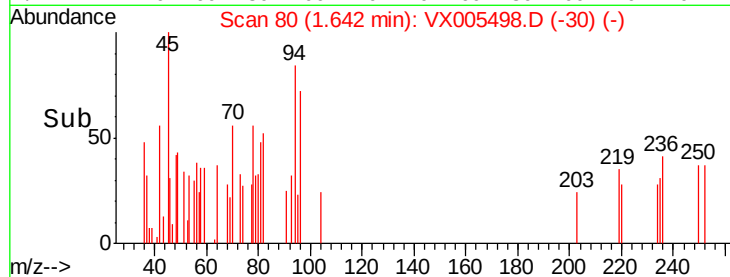
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.420 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005498.D

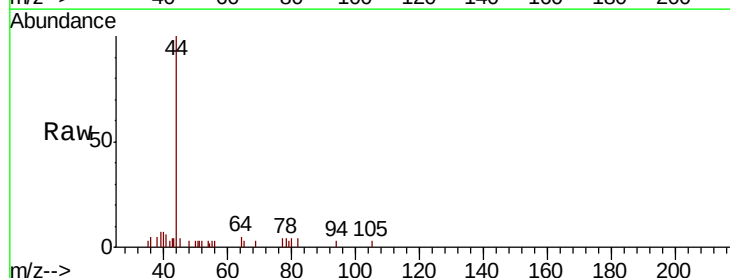
Acq: 23 Oct 2018 04:33

Tgt Ion: 64 Resp: 149

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



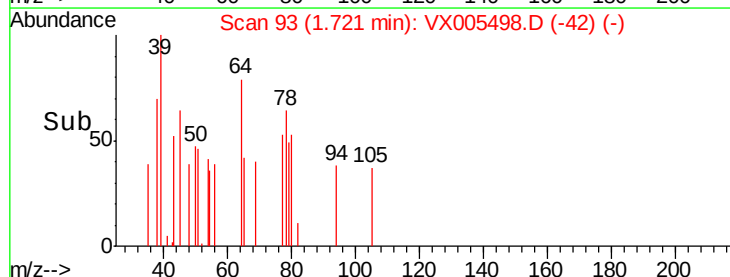
Abundance Ion 63.90 (63.60 to 64.60): VX0

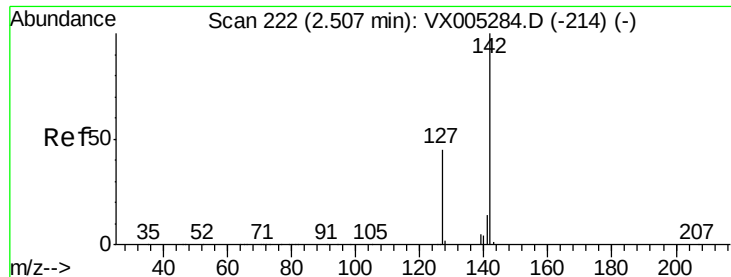
Ion 65.90 (65.60 to 66.60): VX0

1.72

1.70 1.74

Time-->





#10

Methyl Iodide

Concen: 2.500 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

SA-SW-02

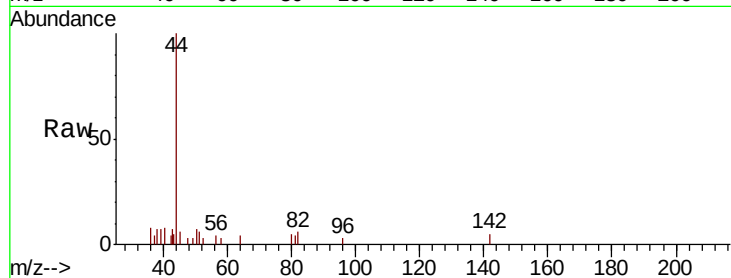
Tot Ion:142 Resp: 27

Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

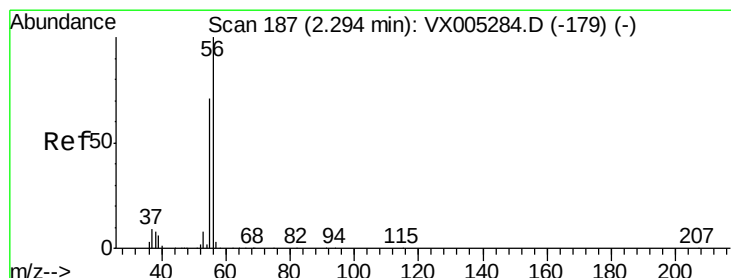
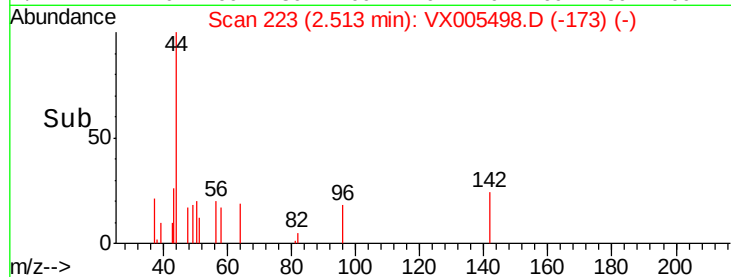
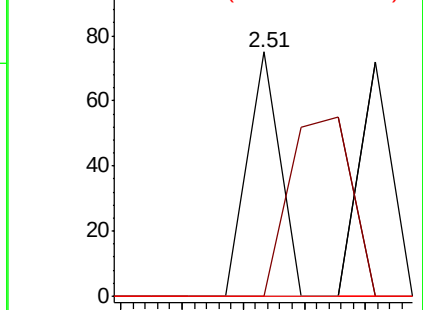
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005498.D

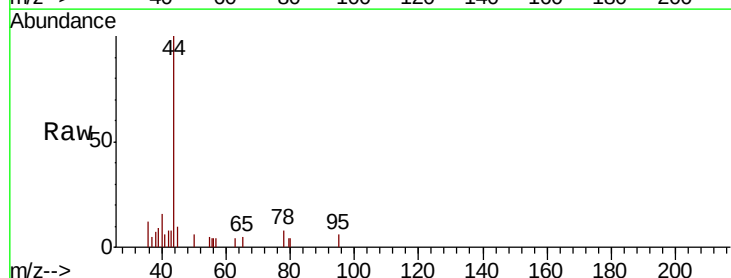
Acq: 23 Oct 2018 04:33

Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

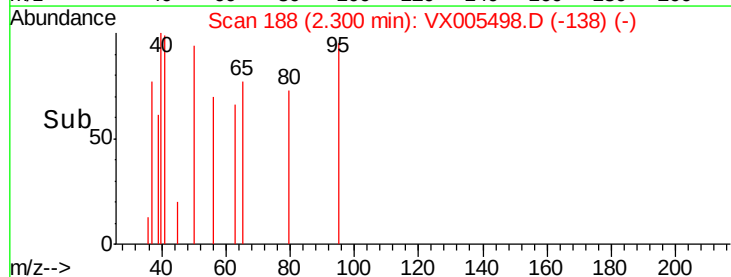
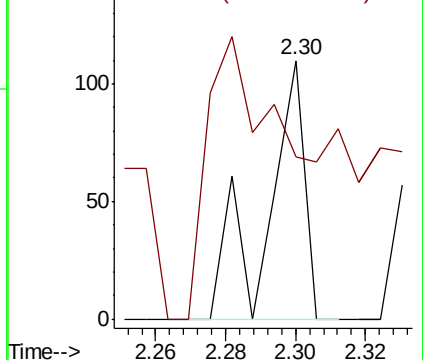
56 100

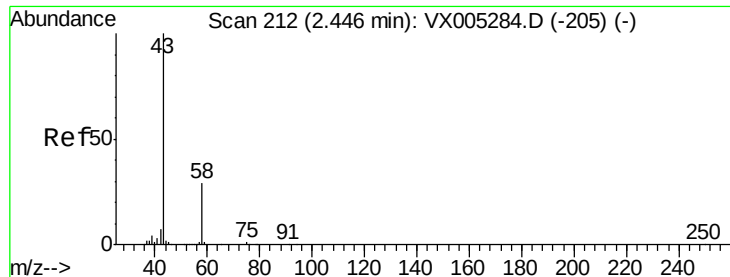
55 232.9 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.829 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

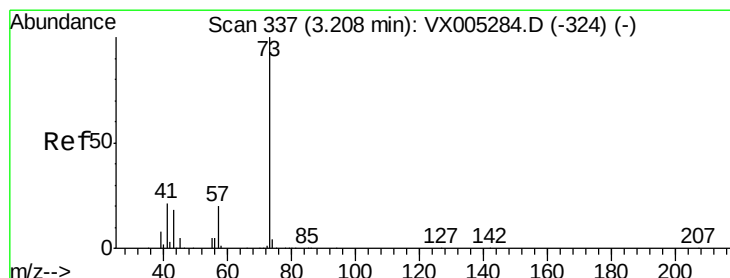
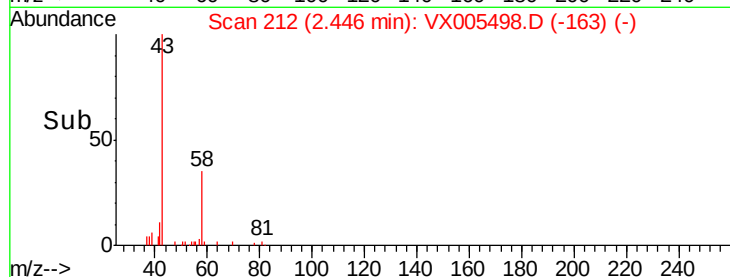
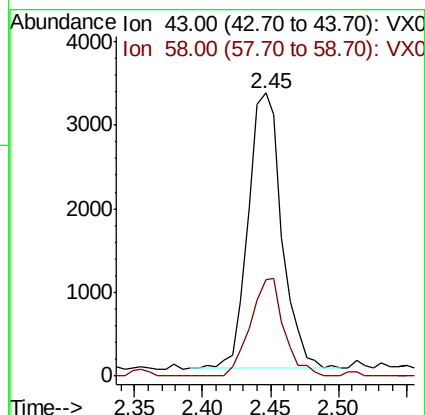
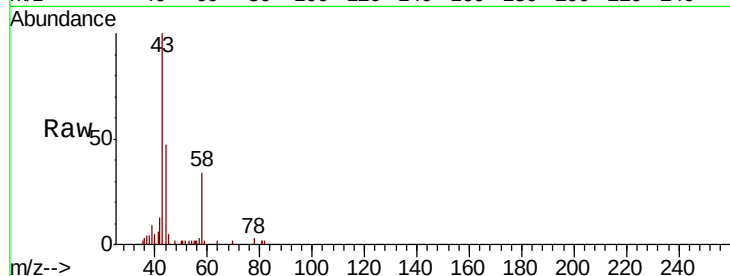
SA-SW-02

Tot Ion: 43 Resp: 5721

Ion Ratio Lower Upper

43 100

58 34.8 26.2 39.4



#19

Methyl tert-butyl Ether

Concen: 0.209 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005498.D

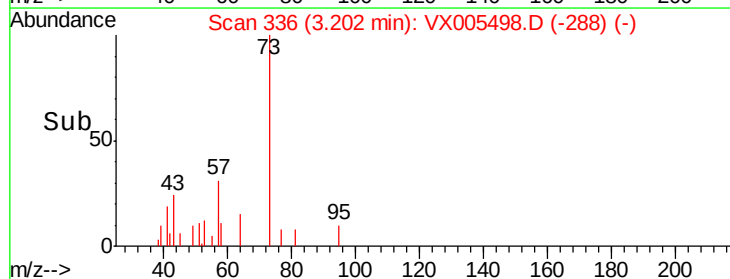
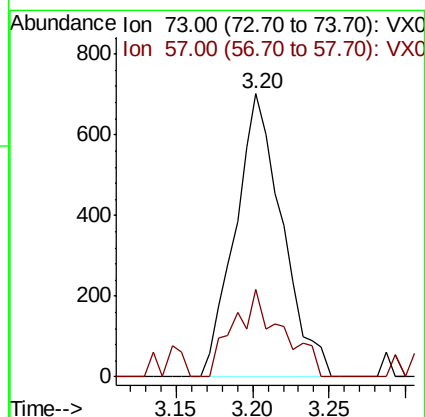
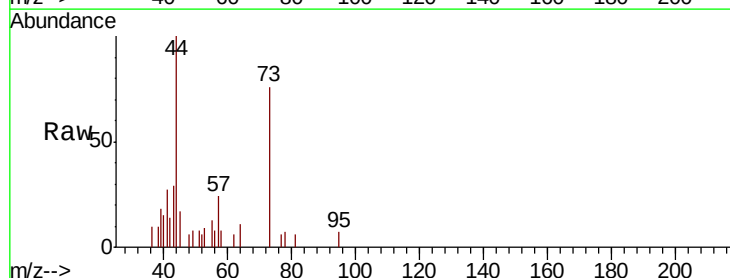
Acq: 23 Oct 2018 04:33

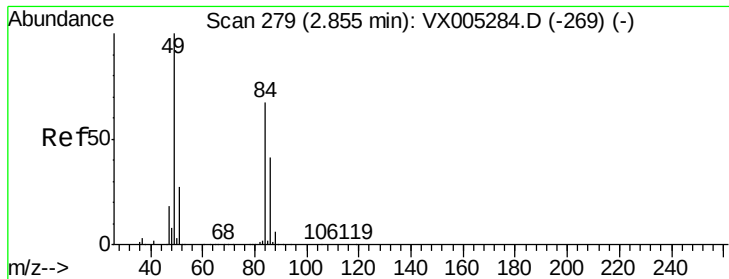
Tgt Ion: 73 Resp: 1501

Ion Ratio Lower Upper

73 100

57 31.1 17.1 25.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampled :

SA-SW-02

Tot Ion: 84 Resp: 537

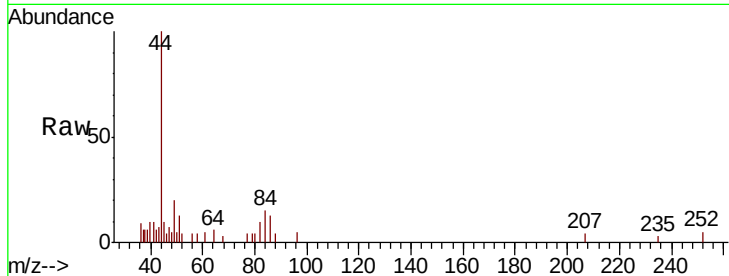
Ion Ratio Lower Upper

84 100

49 131.1 101.2 151.8

51 86.2 29.5 44.3#

86 84.9 52.3 78.5#

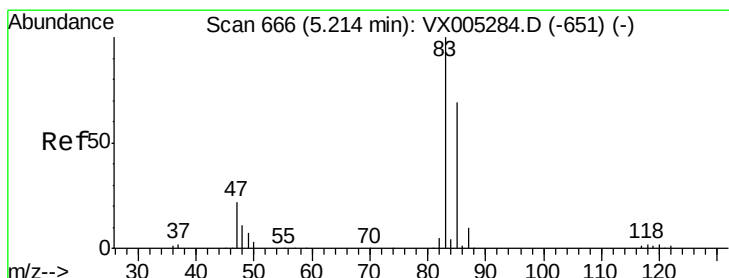
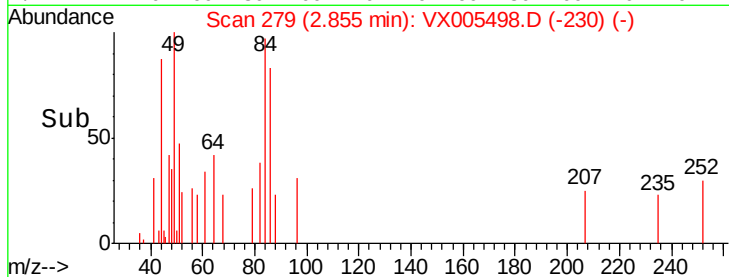
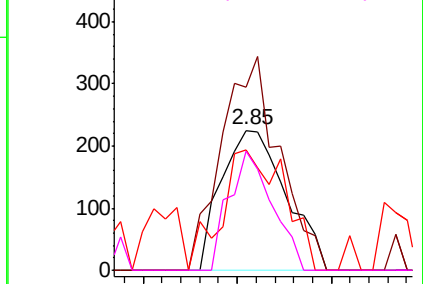


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#30

Chloroform

Concen: 1.035 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX005498.D

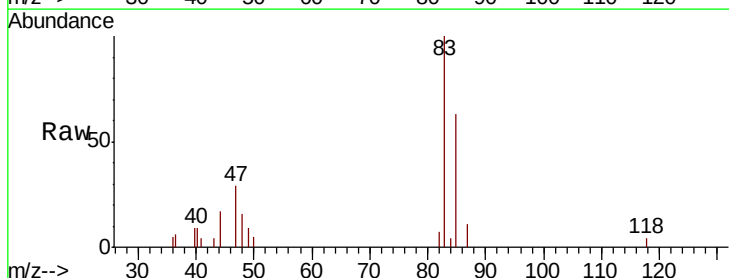
Acq: 23 Oct 2018 04:33

Tgt Ion: 83 Resp: 4140

Ion Ratio Lower Upper

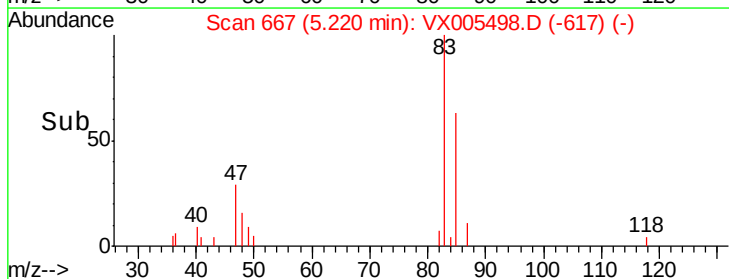
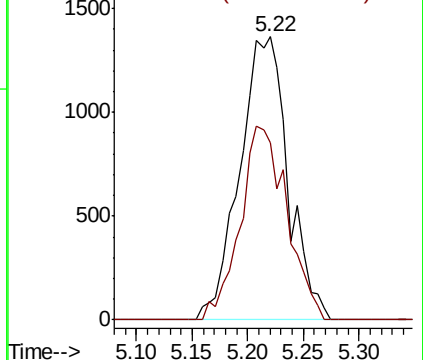
83 100

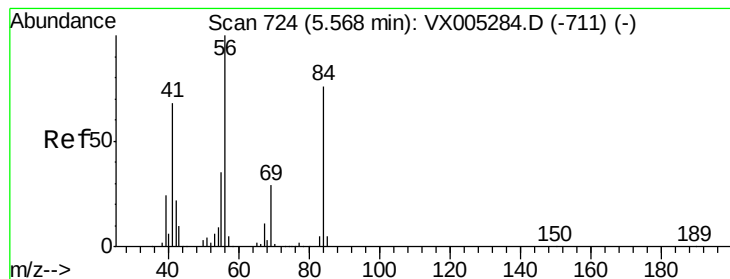
85 62.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.214 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

SA-SW-02

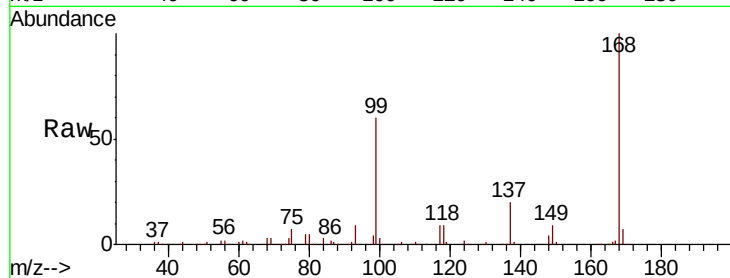
Tot Ion: 56 Resp: 4313

Ion Ratio Lower Upper

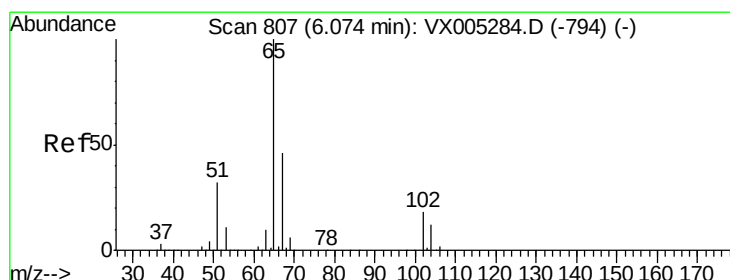
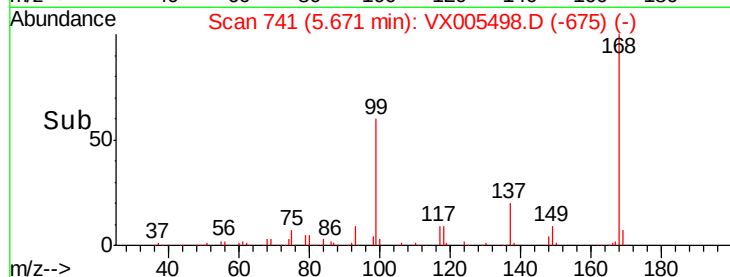
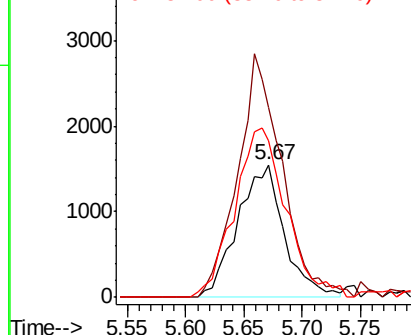
56 100

69 143.3 25.4 38.2#

84 117.8 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.945 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005498.D

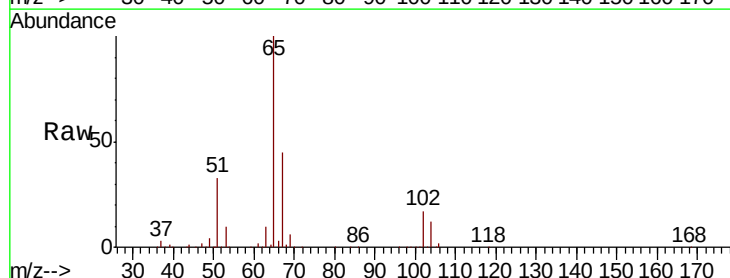
Acq: 23 Oct 2018 04:33

Tgt Ion: 65 Resp: 141983

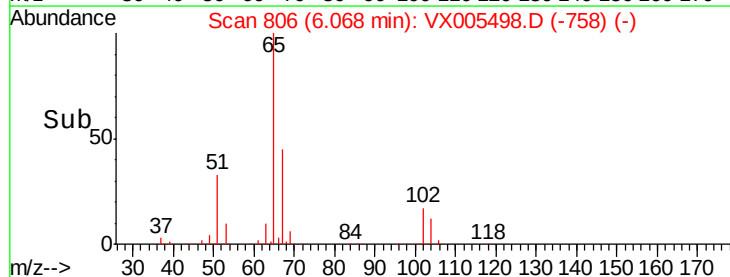
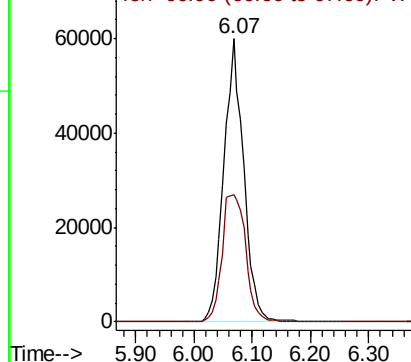
Ion Ratio Lower Upper

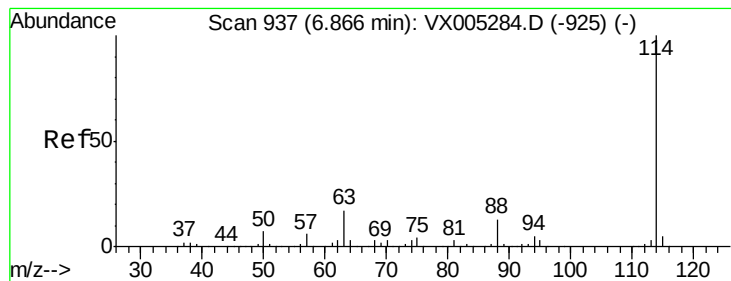
65 100

67 53.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

SA-SW-02

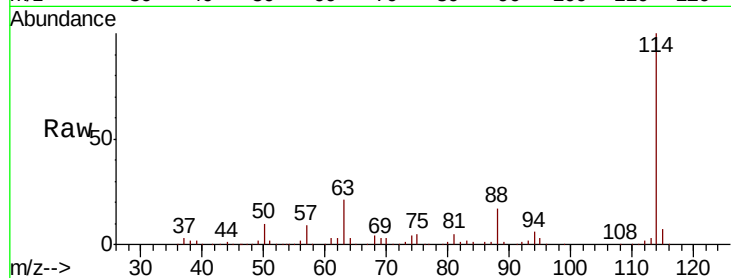
Tot Ion:114 Resp: 319146

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

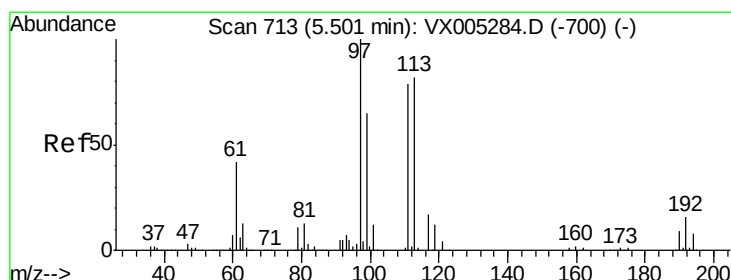
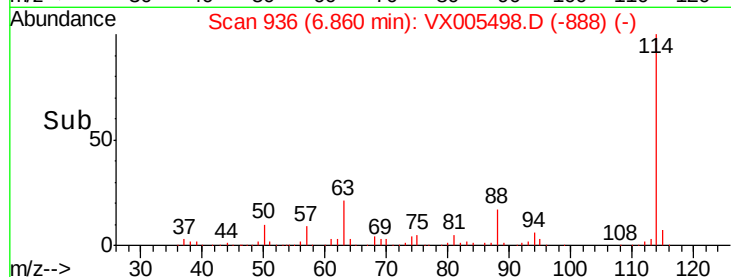
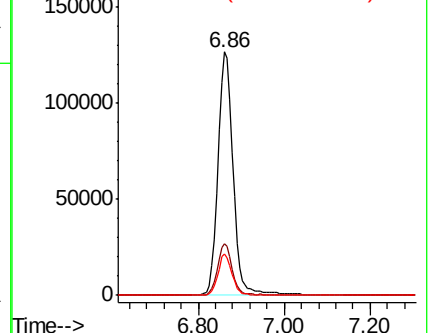
88 17.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 54.020 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

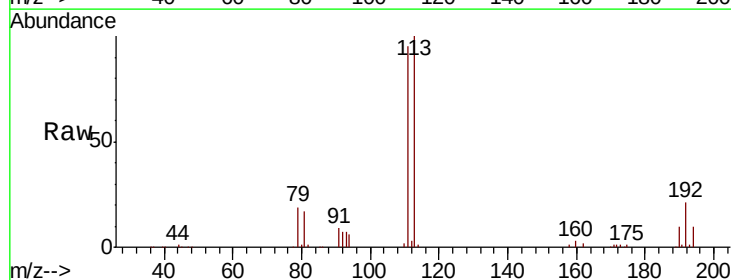
Tgt Ion:113 Resp: 114186

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

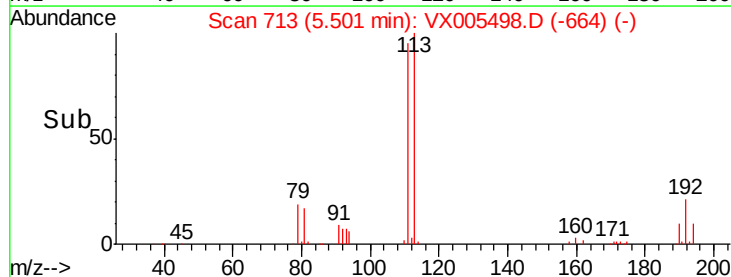
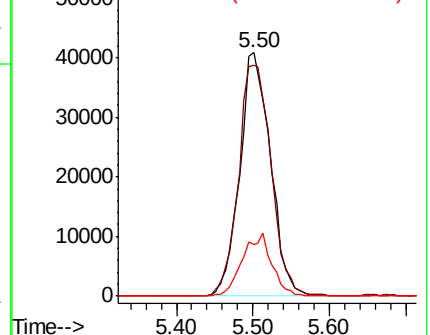
192 24.3 19.4 29.2

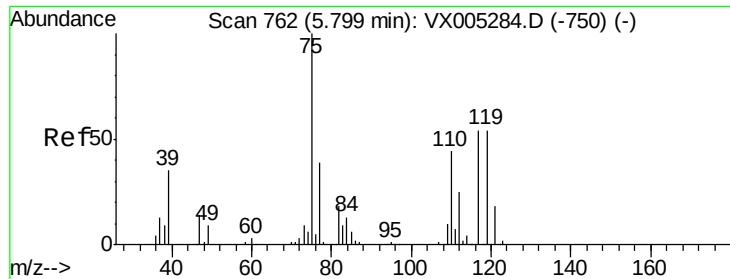


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.128 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampleId :

SA-SW-02

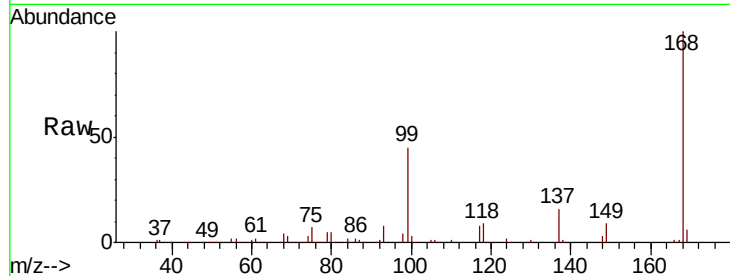
Tot Ion: 75 Resp: 15849

Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

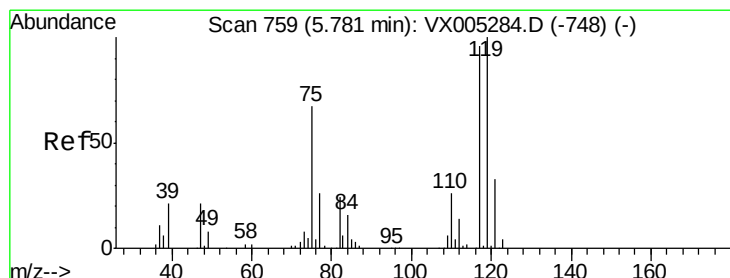
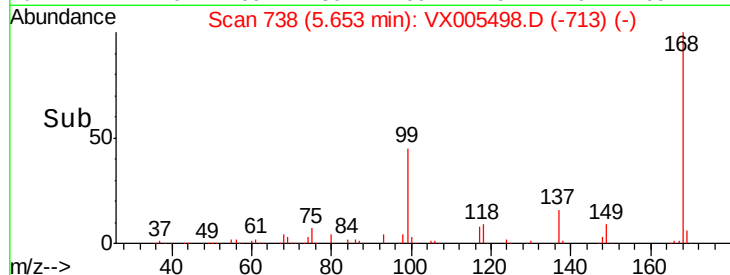
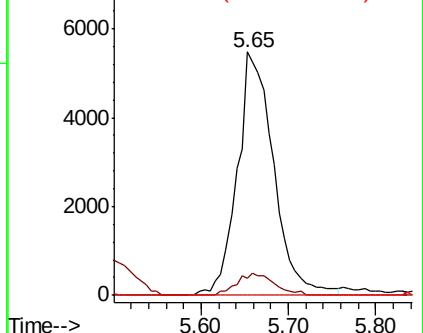
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX005284.D (-750) (-)

Ion 109.90 (109.60 to 110.60): VX005284.D (-750) (-)

Ion 76.90 (76.60 to 77.60): VX005284.D (-750) (-)



#38

Carbon Tetrachloride

Concen: 6.592 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

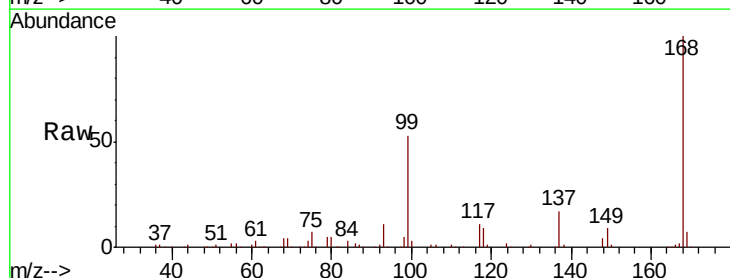
Tgt Ion: 117 Resp: 20474

Ion Ratio Lower Upper

117 100

119 6.1 78.8 118.2#

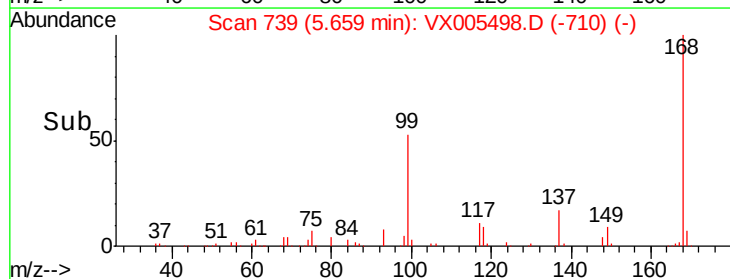
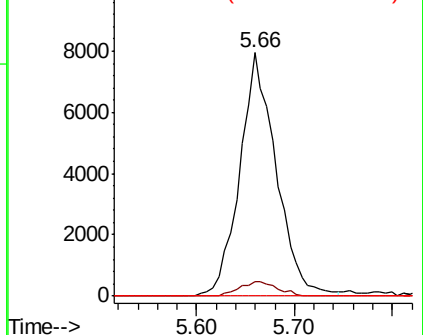
121 0.0 24.9 37.3#

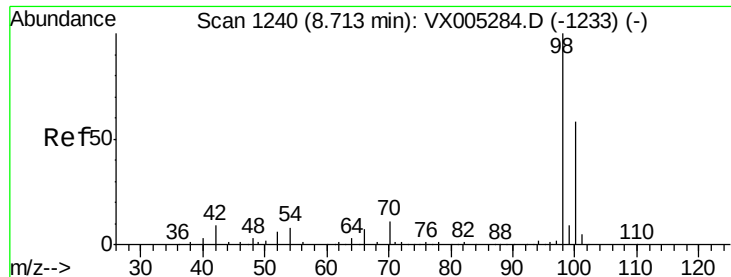


Abundance Ion 116.80 (116.50 to 117.50): VX005284.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005284.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005284.D (-748) (-)

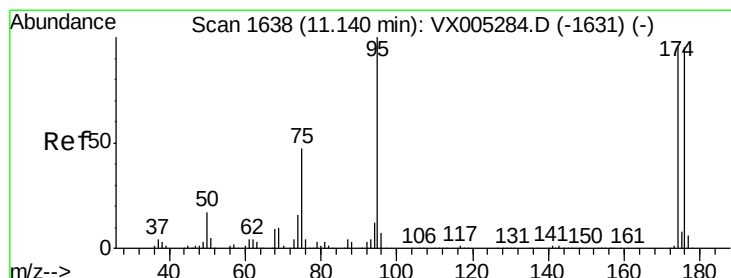
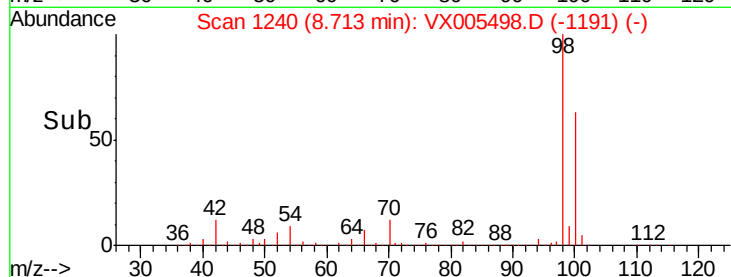
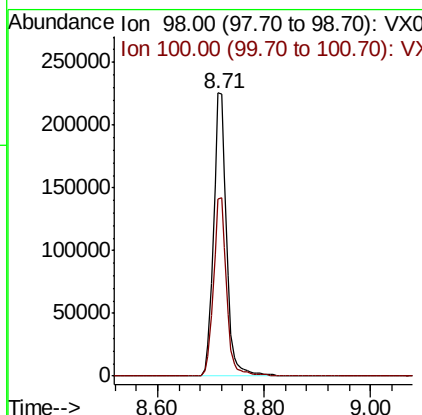
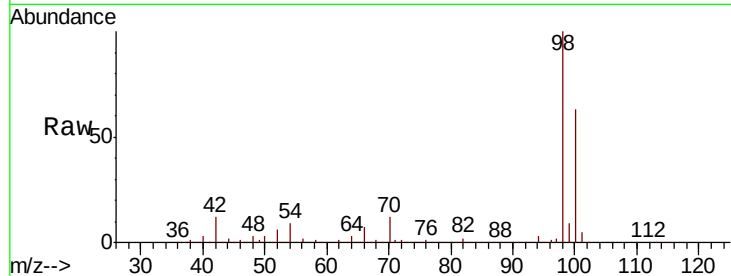




#50
Toluene-d8
Concen: 52.761 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005498.D
Acq: 23 Oct 2018 04:33

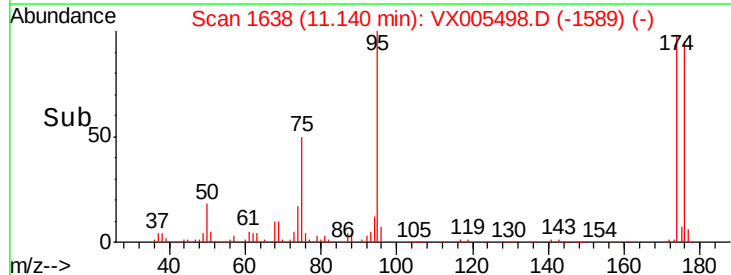
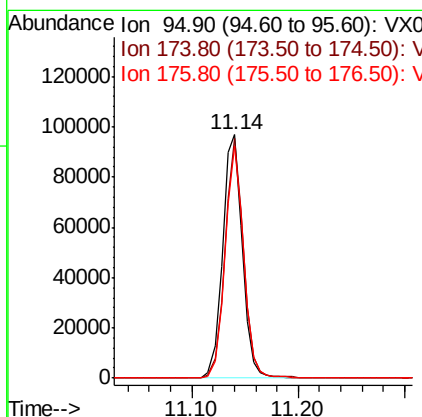
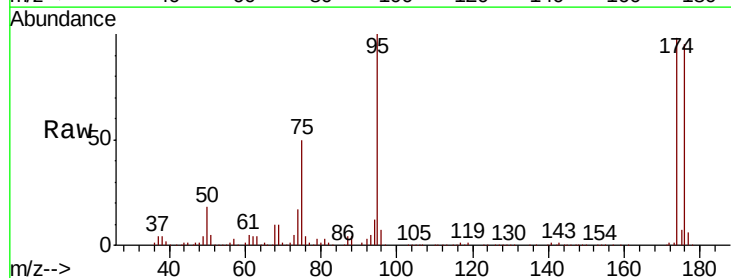
Instrument :
MSVOA_X
ClientSampled :
SA-SW-02

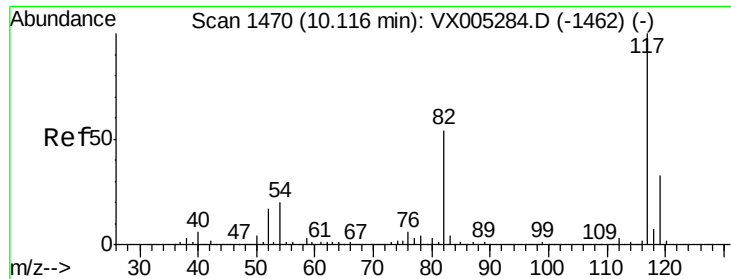
Tot Ion: 98 Resp: 382872
Ion Ratio Lower Upper
98 100
100 63.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.968 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005498.D
Acq: 23 Oct 2018 04:33

Tgt Ion: 95 Resp: 125314
Ion Ratio Lower Upper
95 100
174 92.7 0.0 185.2
176 90.0 0.0 178.6

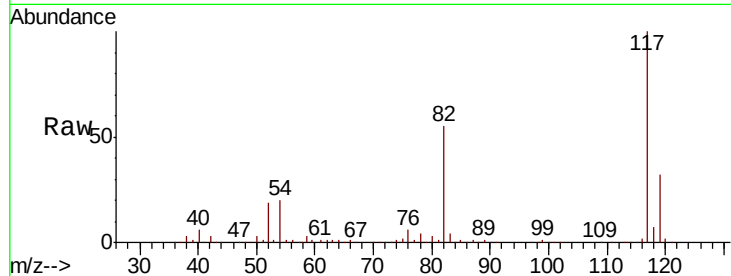




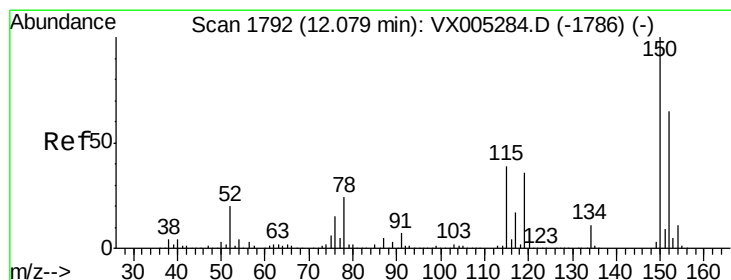
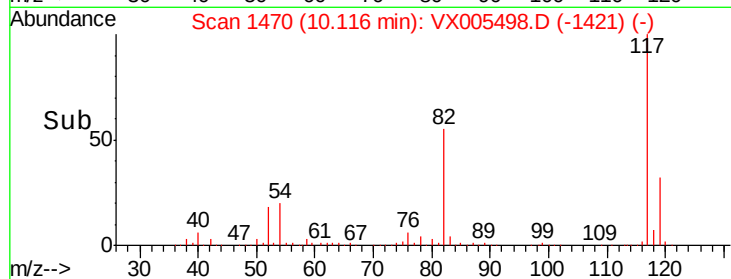
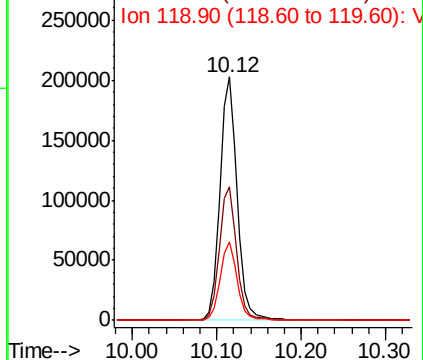
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005498.D
Acq: 23 Oct 2018 04:33

Instrument :
MSVOA_X
ClientSampled :
SA-SW-02

Tot Ion:117 Resp: 286364
Ion Ratio Lower Upper
117 100
82 54.8 47.8 71.6
119 32.1 29.3 43.9

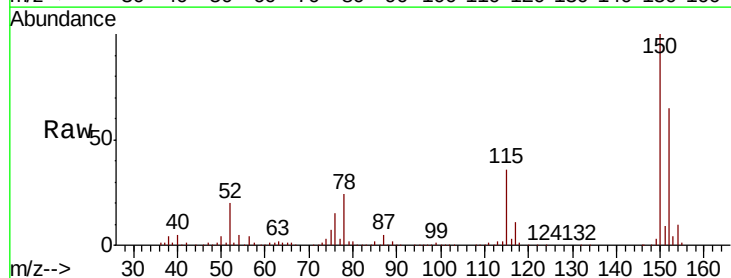


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

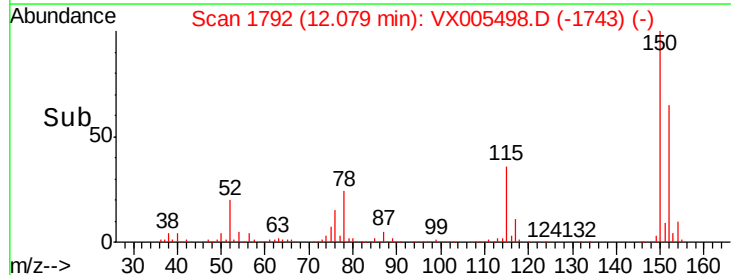
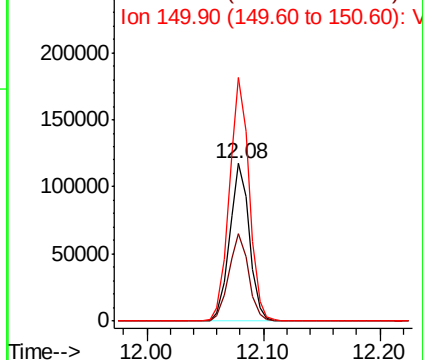


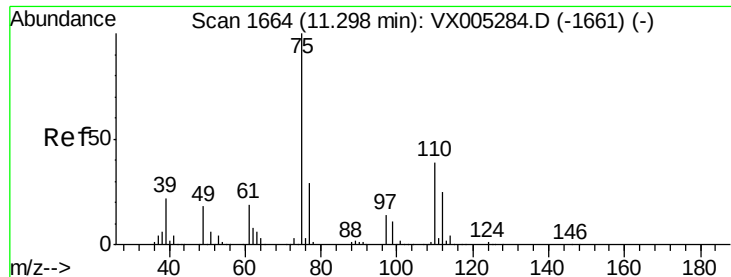
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005498.D
Acq: 23 Oct 2018 04:33

Tgt Ion:152 Resp: 137950
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 155.4 0.0 351.0



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: 23.530 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

Instrument :

MSVOA_X

ClientSampled :

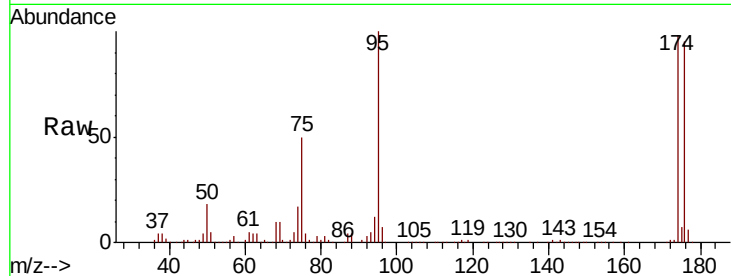
SA-SW-02

Tot Ion: 75 Resp: 62963

Ion Ratio Lower Upper

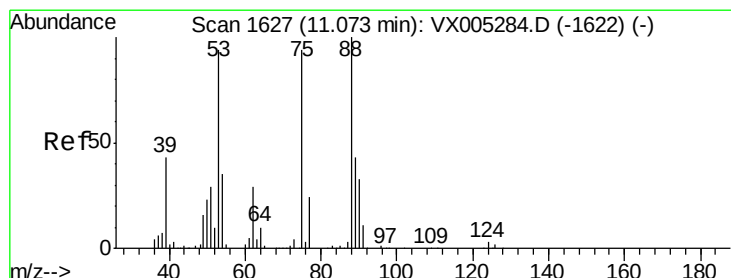
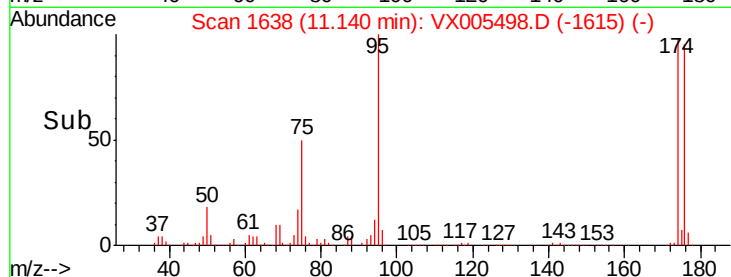
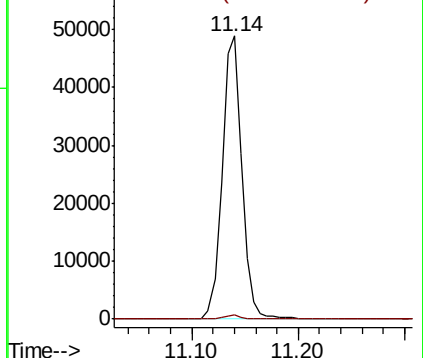
75 100

77 1.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.496 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005498.D

Acq: 23 Oct 2018 04:33

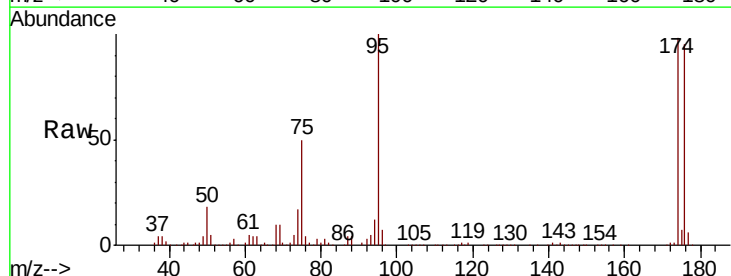
Tgt Ion: 75 Resp: 62963

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

