

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009725.D
 Acq On : 20 May 2019 14:52
 Operator : JC/SP
 Sample : K2952-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-698-700

Quant Time: May 21 07:41:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116816	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
35) Dibromofluoromethane	5.50	113	85820	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.71	98	354674	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	117312	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

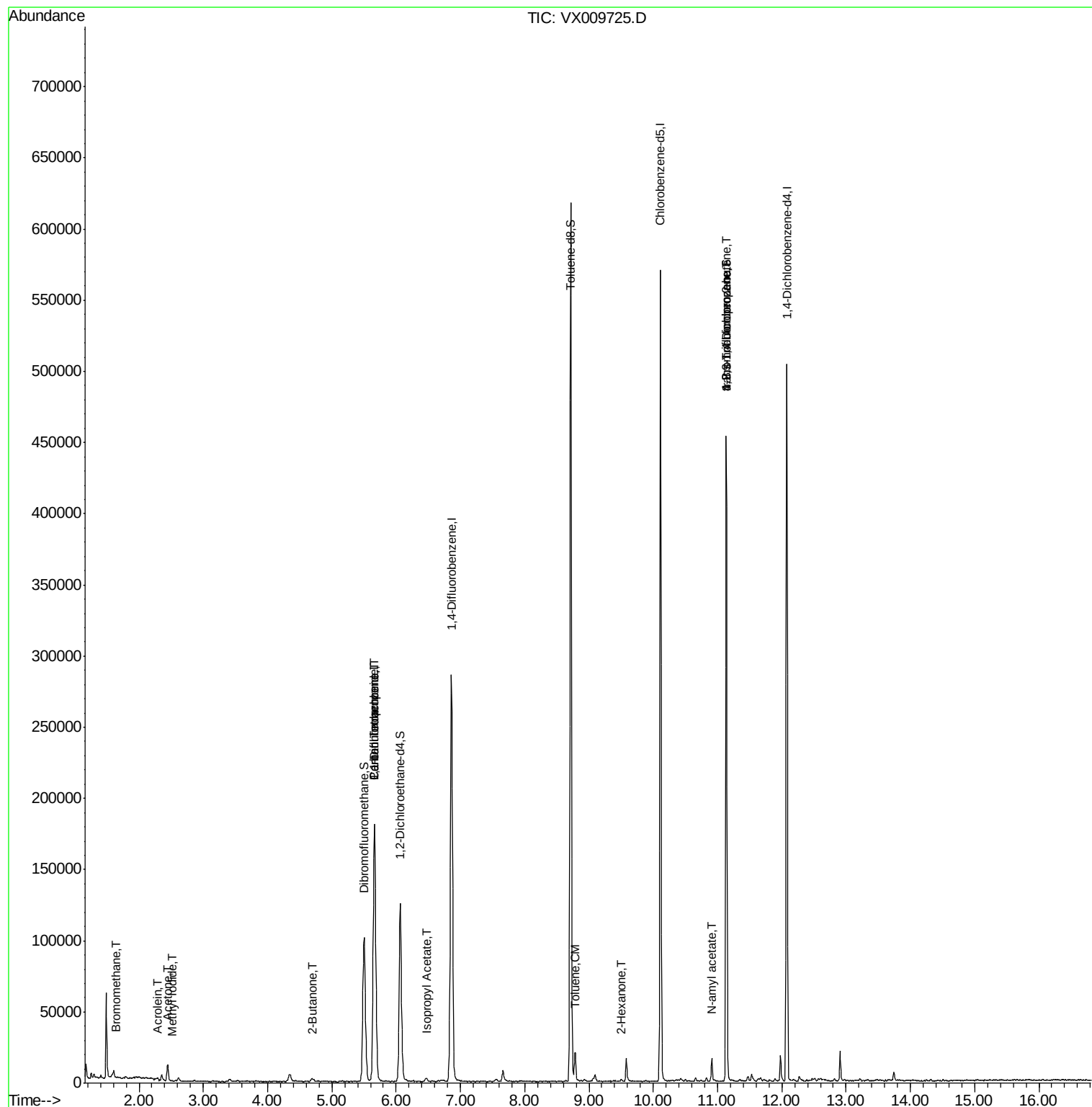
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	284	0.218	ug/l #	51
10) Methyl Iodide	2.51	142	156	4.668	ug/l #	73
13) Acrolein	2.29	56	506	1.001	ug/l	99
16) Acetone	2.44	43	13116	10.133	ug/l	93
25) 2-Butanone	4.69	43	4069	2.023	ug/l #	89
28) Bromochloromethane	5.03	49	44	Below Cal	#	20
36) 1,1-Dichloropropene	5.67	75	13686	5.243	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16380	6.906	ug/l #	18
43) Isopropyl Acetate	6.48	43	1318	0.227	ug/l #	63
52) Toluene	8.79	92	6890	1.403	ug/l	96
59) 2-Hexanone	9.51	43	1405	0.470	ug/l	90
74) N-amyl acetate	10.91	43	2202	0.500	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60416	25.080	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60416	64.170	ug/l #	10

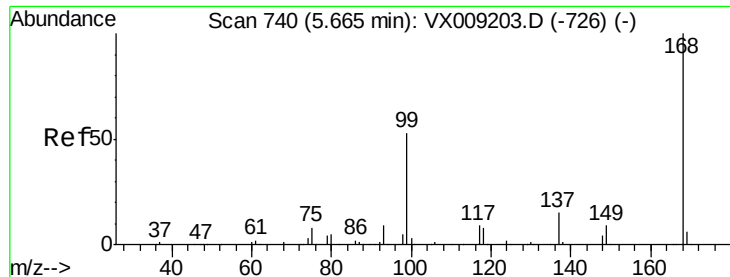
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

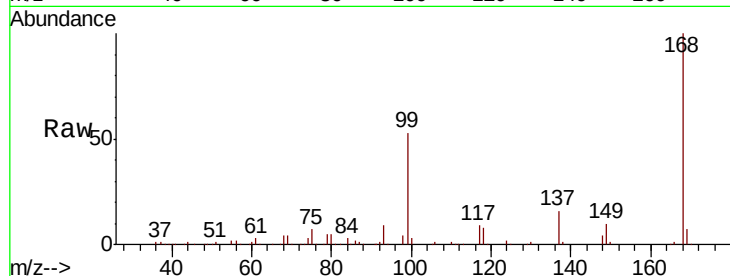
BP-VPB202-GW-698-700

Tot Ion:168 Resp: 176590

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

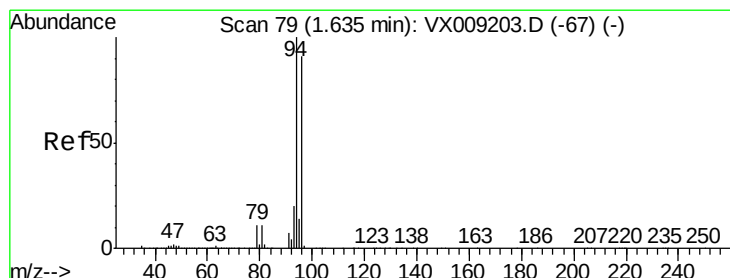
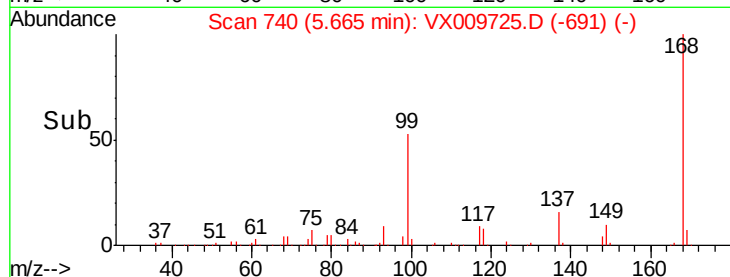
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009725.D

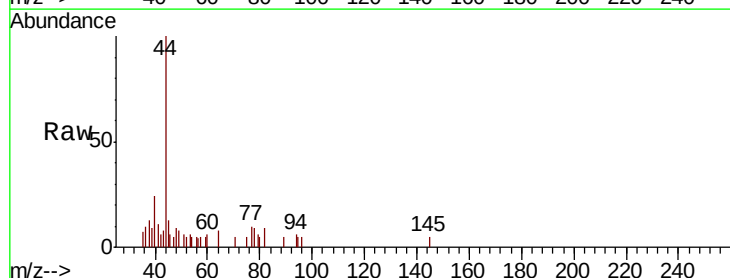
Acq: 20 May 2019 14:52

Tgt Ion: 94 Resp: 284

Ion Ratio Lower Upper

94 100

96 45.0 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

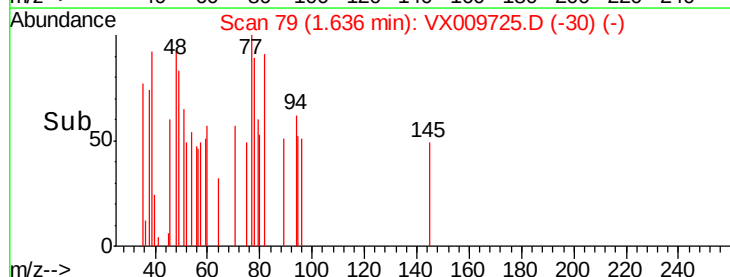
150

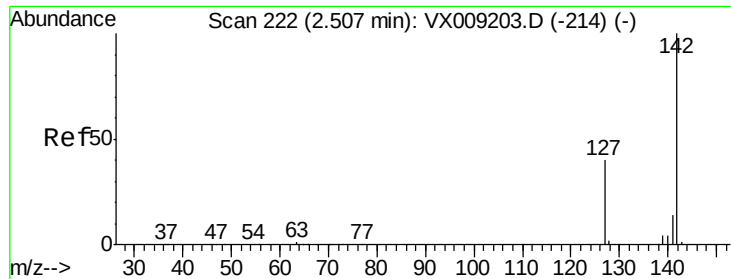
100

50

0

Time--> 1.60 1.62 1.64 1.66

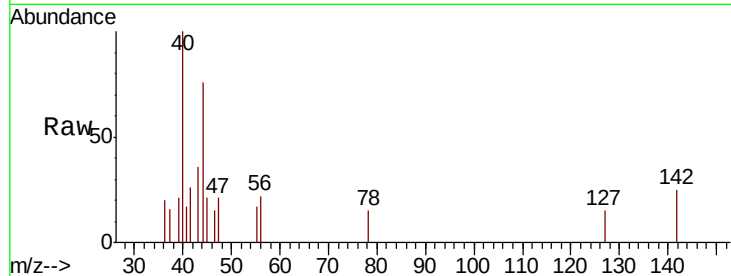




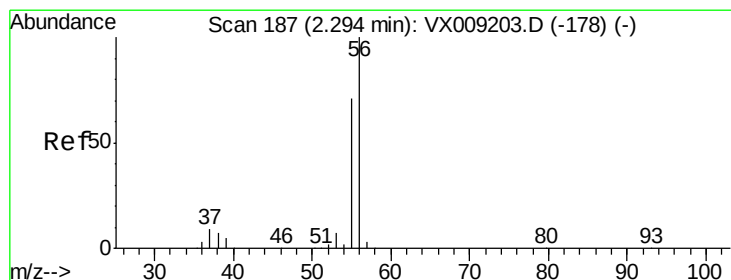
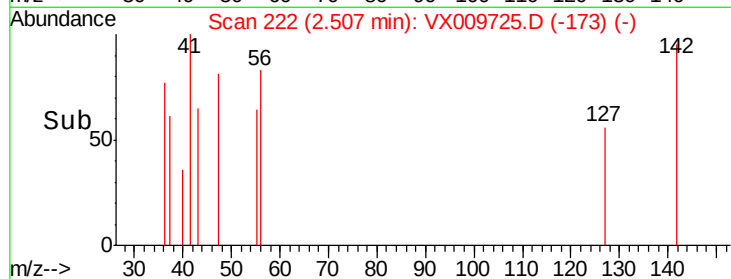
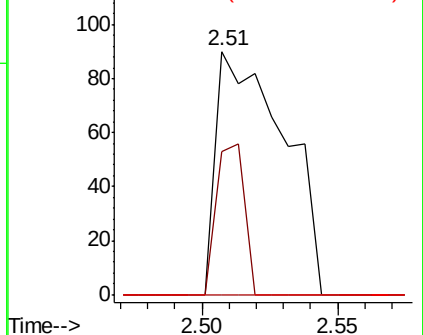
#10
Methvl Iodide
Concen: 4.668 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009725.D
Acq: 20 May 2019 14:52

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB202-GW-698-700

Tot Ion:142 Resp: 156
Ion Ratio Lower Upper
142 100
127 25.6 32.7 49.1#
141 0.0 11.5 17.3#

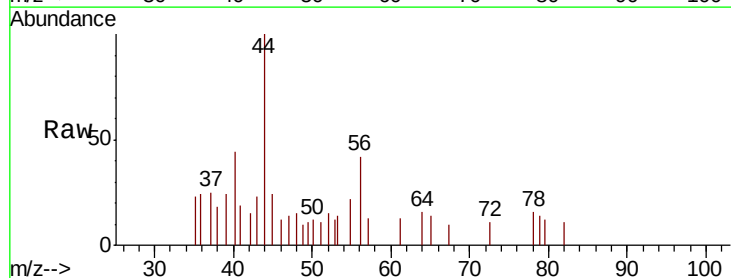


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

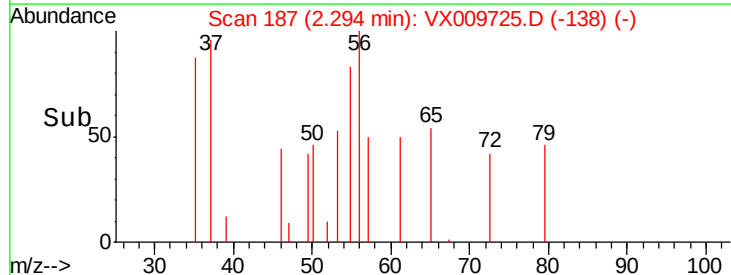
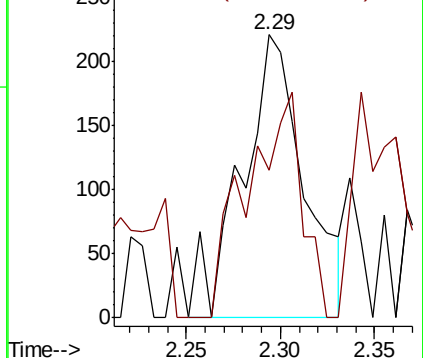


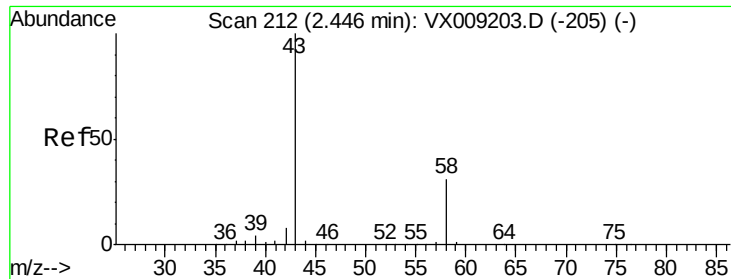
#13
Acrolein
Concen: 1.001 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009725.D
Acq: 20 May 2019 14:52

Tgt Ion: 56 Resp: 506
Ion Ratio Lower Upper
56 100
55 70.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 10.133 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

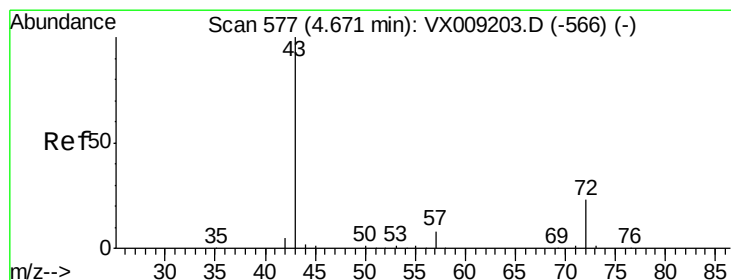
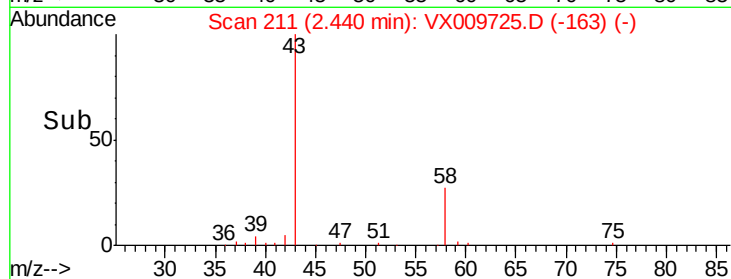
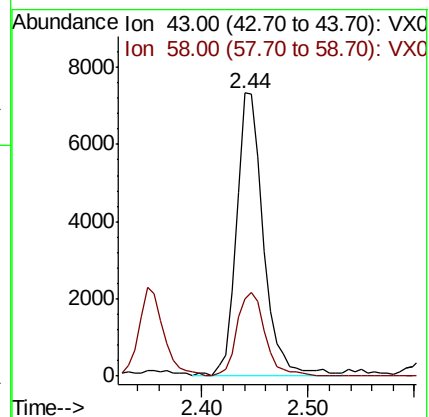
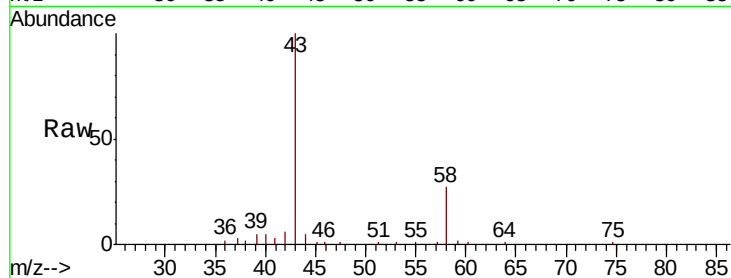
BP-VPB202-GW-698-700

Tot Ion: 43 Resp: 13116

Ion Ratio Lower Upper

43 100

58 27.5 24.9 37.3



#25

2-Butanone

Concen: 2.023 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009725.D

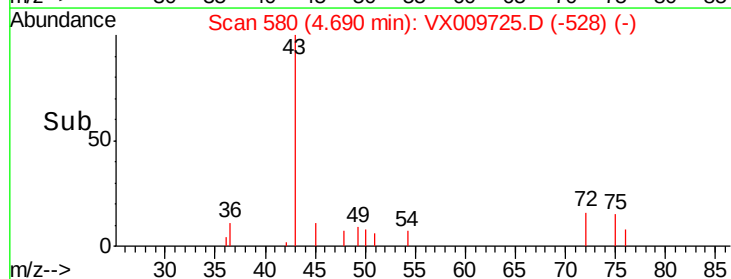
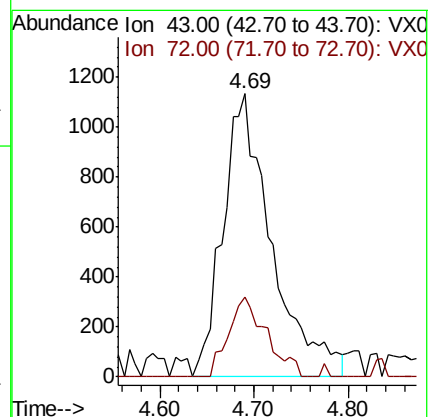
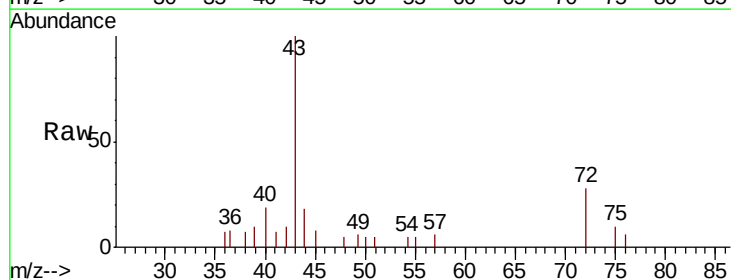
Acq: 20 May 2019 14:52

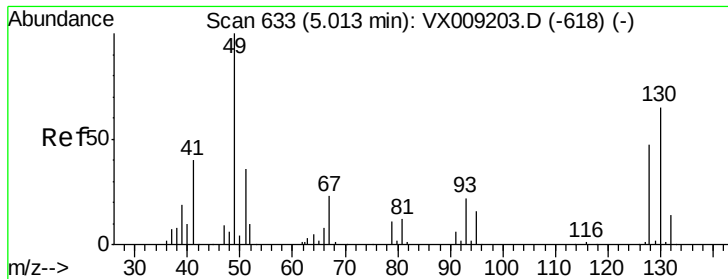
Tgt Ion: 43 Resp: 4069

Ion Ratio Lower Upper

43 100

72 28.2 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-698-700

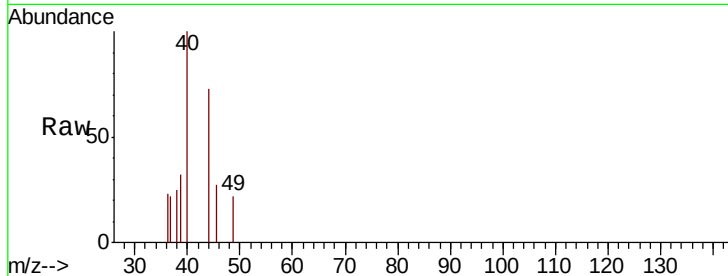
Tot Ion: 49 Resp: 44

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

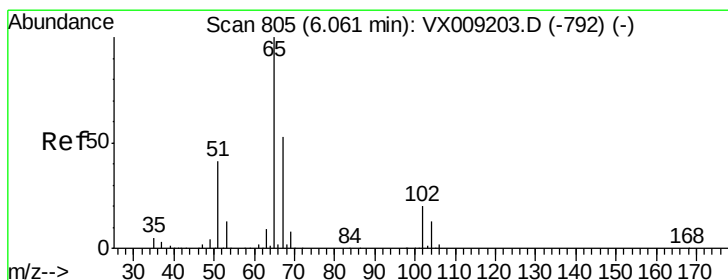
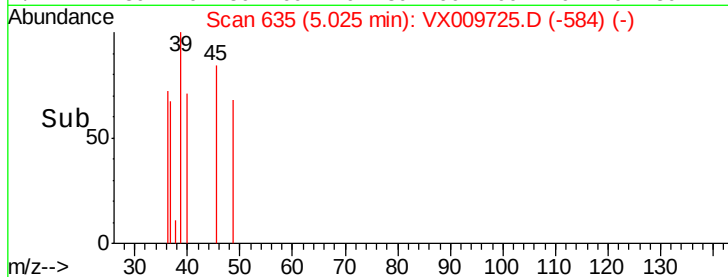
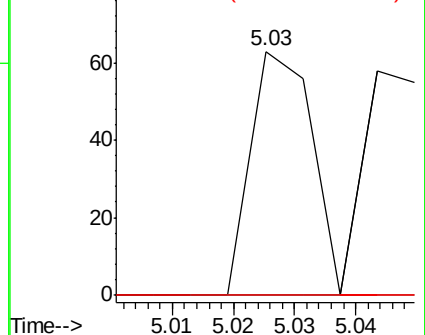
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 48.458 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009725.D

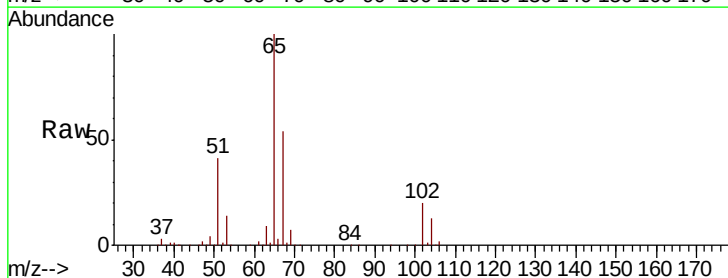
Acq: 20 May 2019 14:52

Tgt Ion: 65 Resp: 116816

Ion Ratio Lower Upper

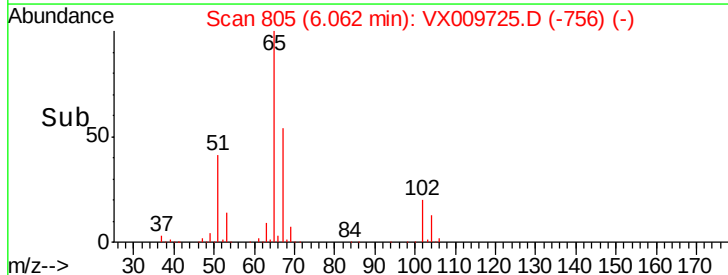
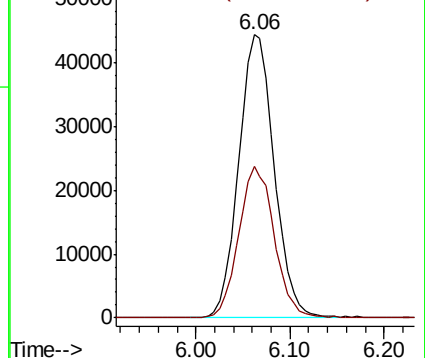
65 100

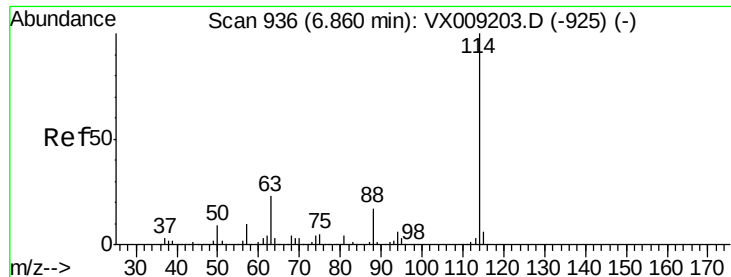
67 53.6 0.0 106.6



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. 0.00 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-698-700

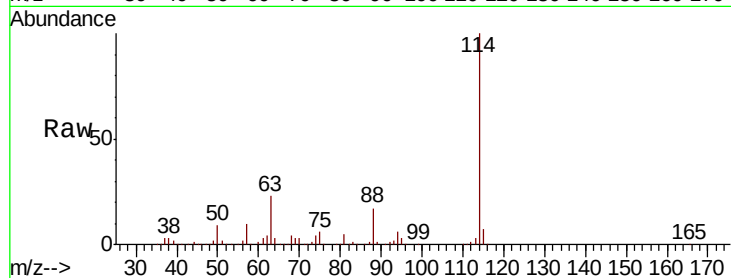
Tot Ion:114 Resp: 280910

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

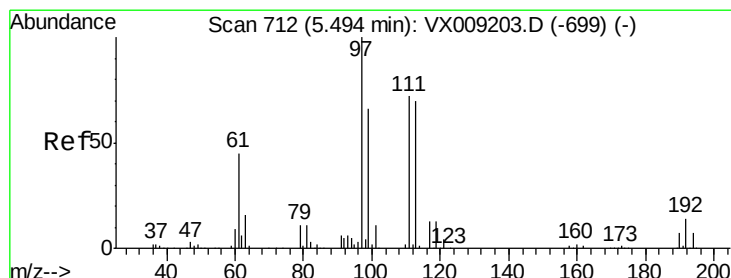
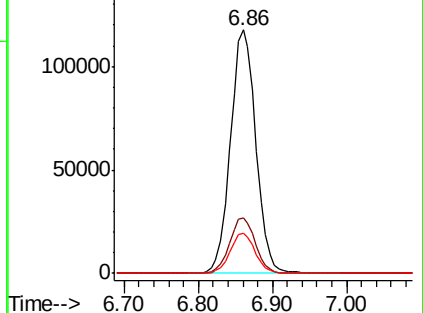
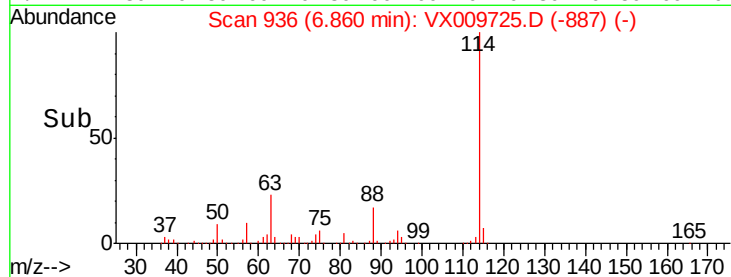
88 16.7 0.0 33.2



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: 48.598 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

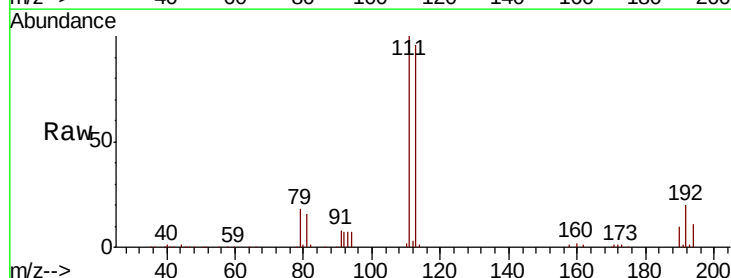
Tgt Ion:113 Resp: 85820

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

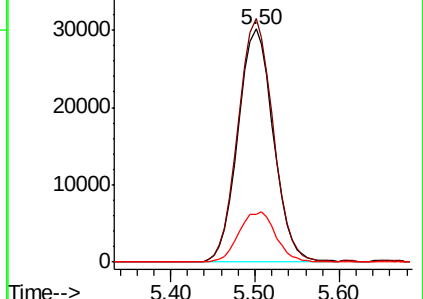
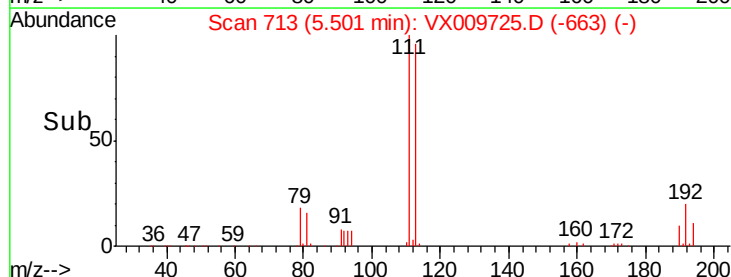
192 22.3 17.0 25.6

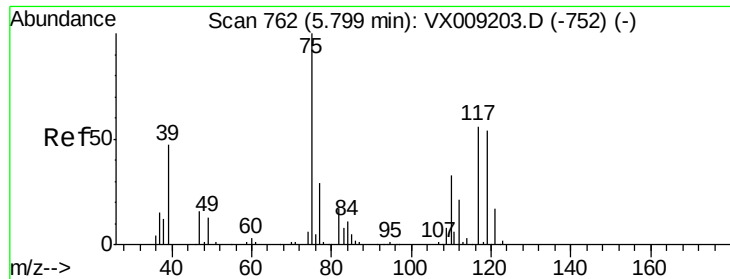


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

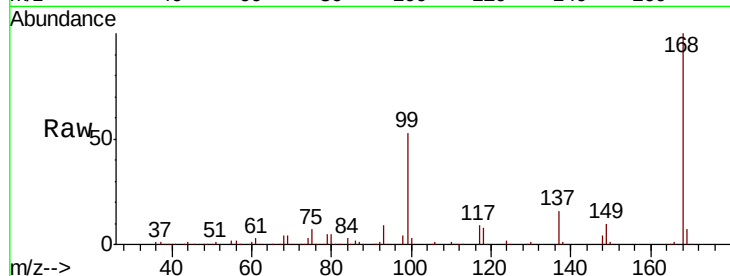




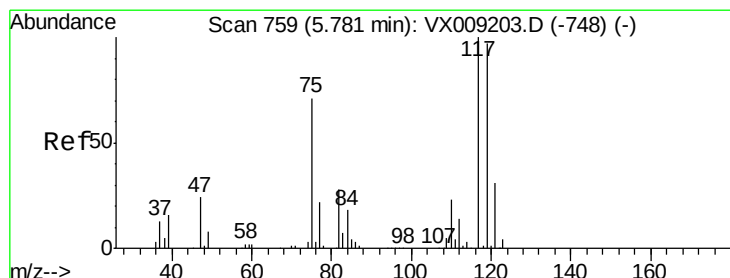
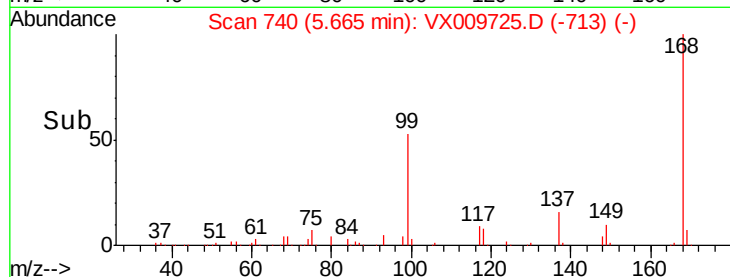
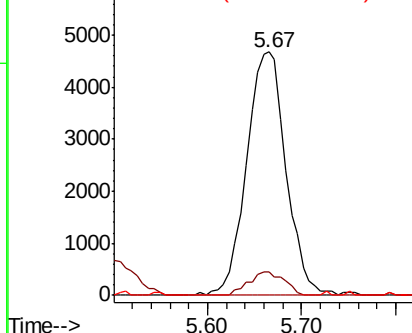
#36
 1,1-Dichloropropene
 Concen: 5.243 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009725.D
 Acq: 20 May 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-698-700

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.8	37.2#

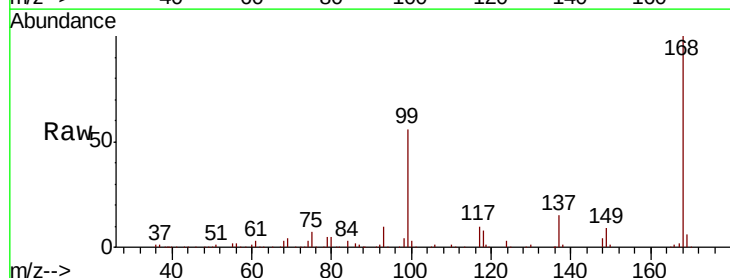


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

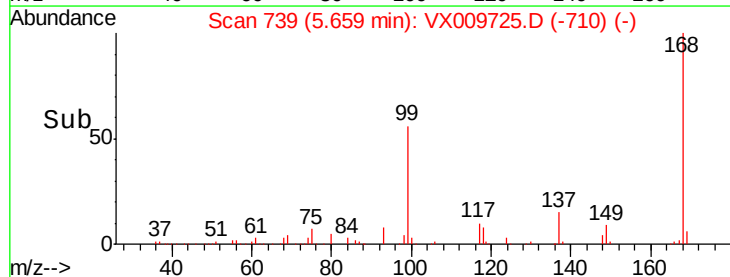
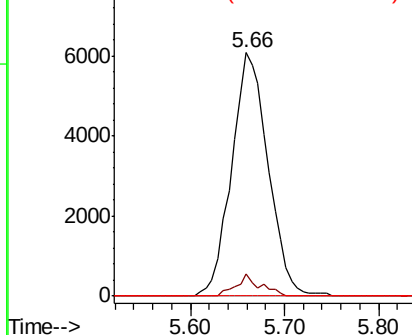


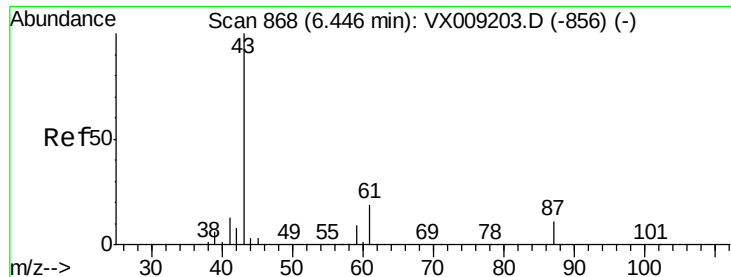
#38
 Carbon Tetrachloride
 Concen: 6.906 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009725.D
 Acq: 20 May 2019 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.9	77.5	116.3#
121	0.0	24.7	37.1#



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: 0.227 ug/l

RT: 6.48 min Scan# 873

Delta R.T. 0.03 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-698-700

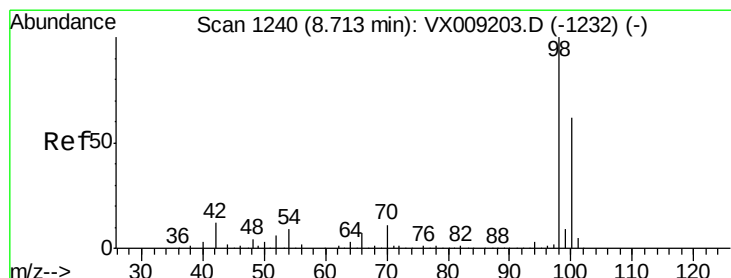
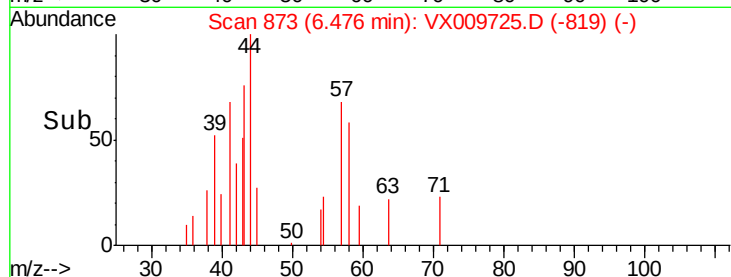
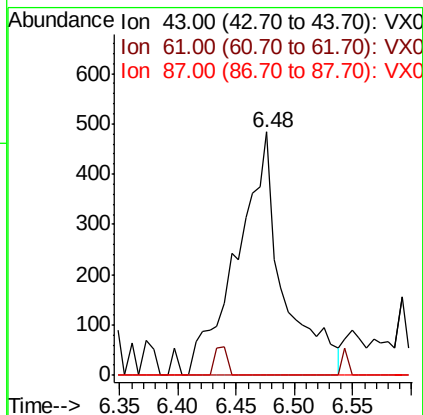
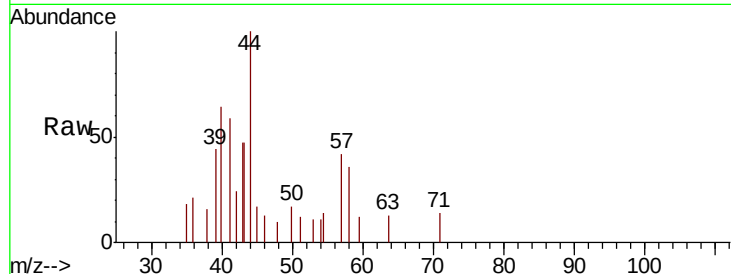
Tot Ion: 43 Resp: 1318

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#



#50

Toluene-d8

Concen: 49.748 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009725.D

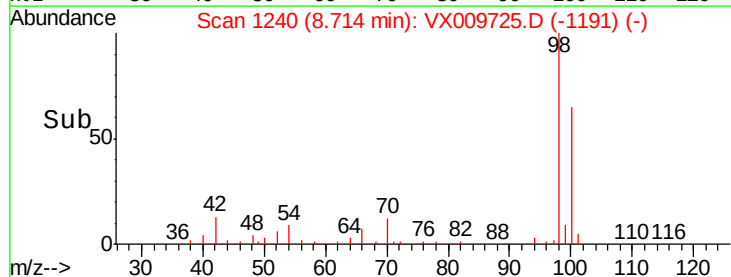
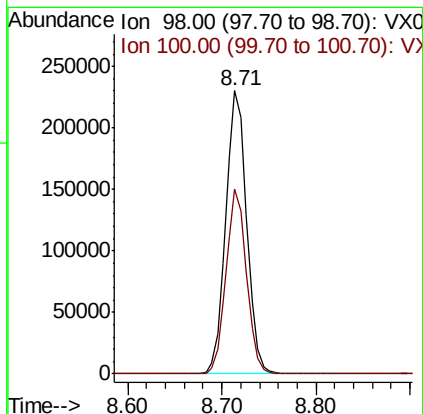
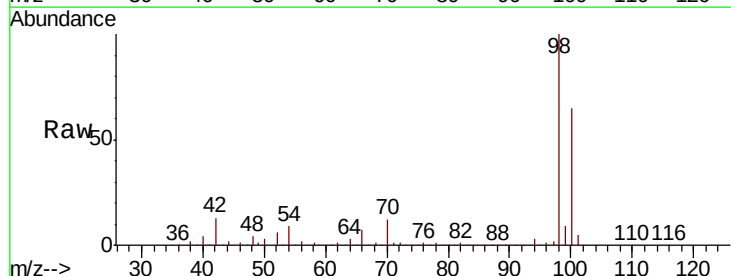
Acq: 20 May 2019 14:52

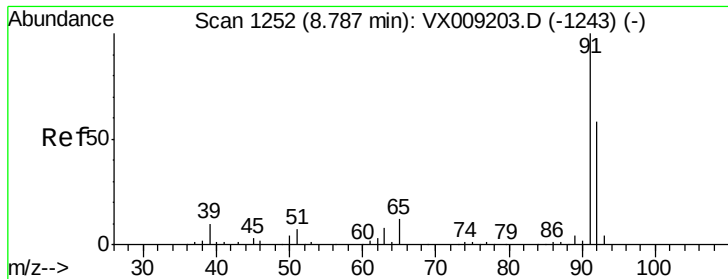
Tgt Ion: 98 Resp: 354674

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8





#52

Toluene

Concen: 1.403 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

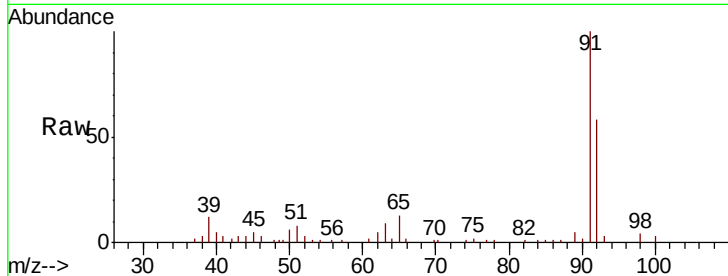
BP-VPB202-GW-698-700

Tot Ion: 92 Resp: 6890

Ion Ratio Lower Upper

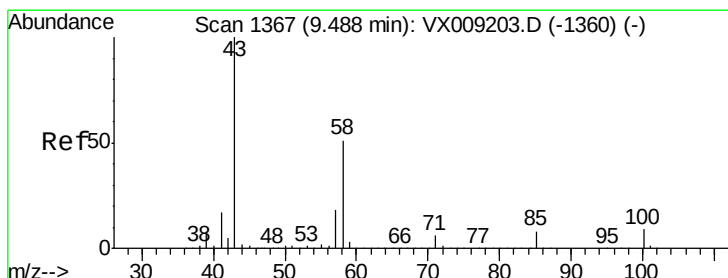
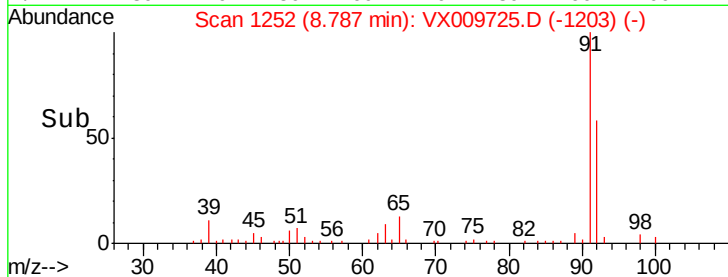
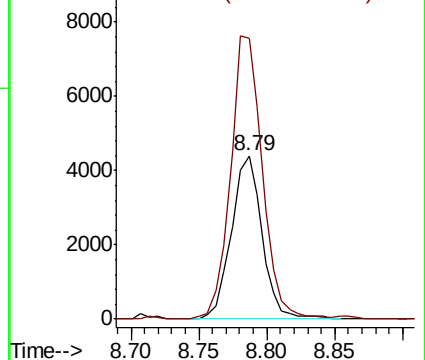
92 100

91 179.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.470 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.02 min

Lab File: VX009725.D

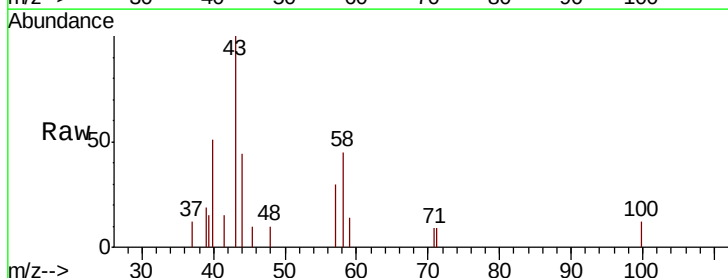
Acq: 20 May 2019 14:52

Tgt Ion: 43 Resp: 1405

Ion Ratio Lower Upper

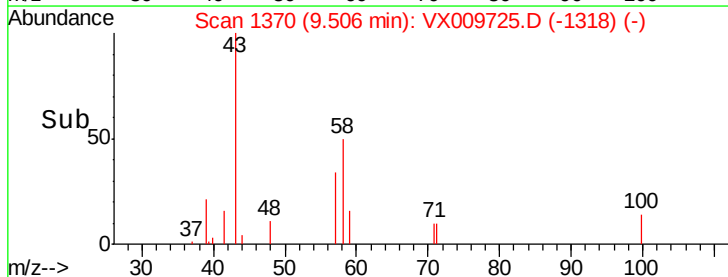
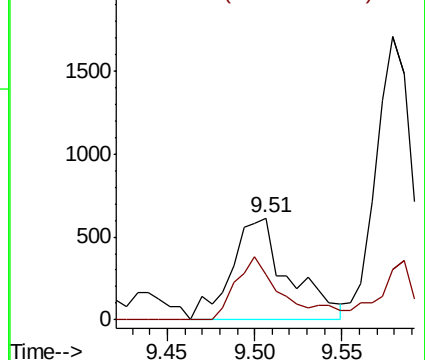
43 100

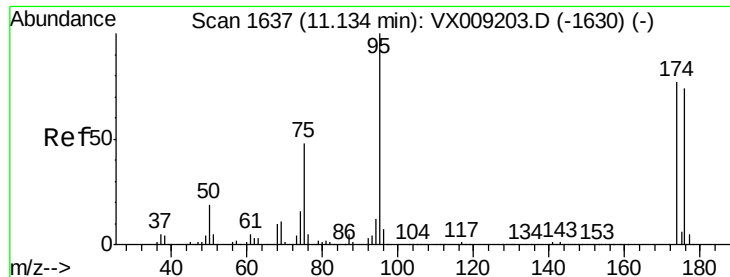
58 44.6 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

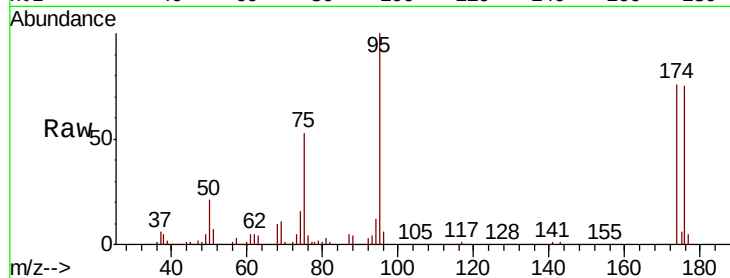




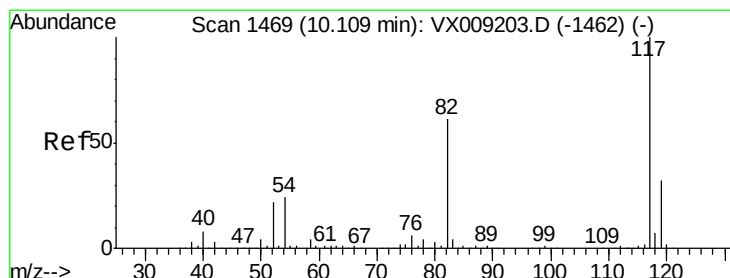
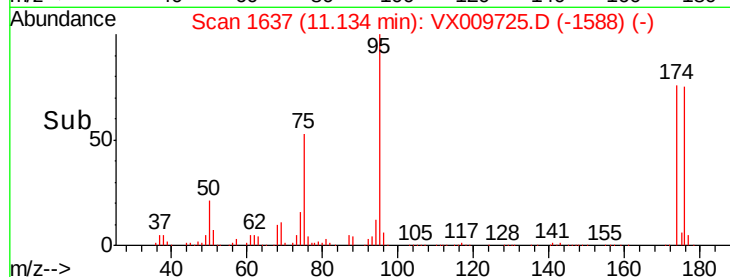
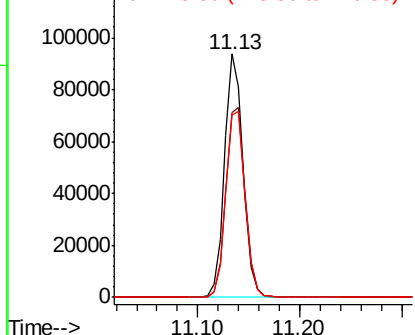
#62
 4-Bromofluorobenzene
 Concen: 45.284 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009725.D
 Acq: 20 May 2019 14:52

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB202-GW-698-700

Tot Ion: 95 Resp: 117312
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 161.6
 176 79.8 0.0 159.2

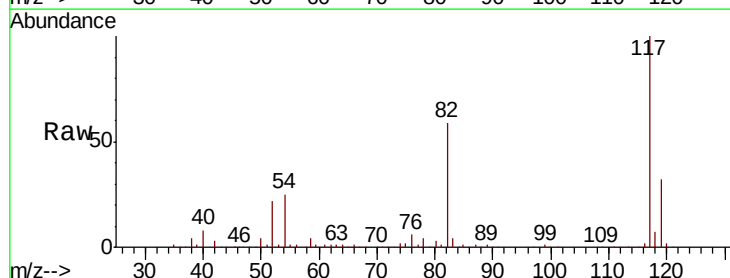


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

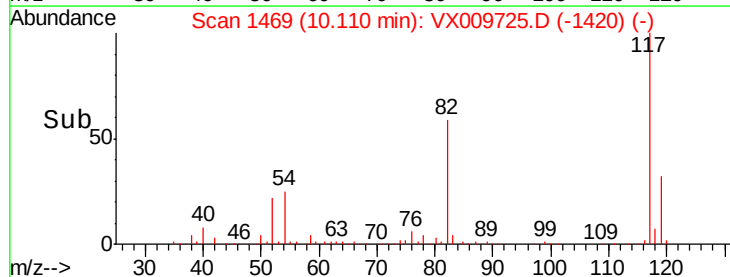
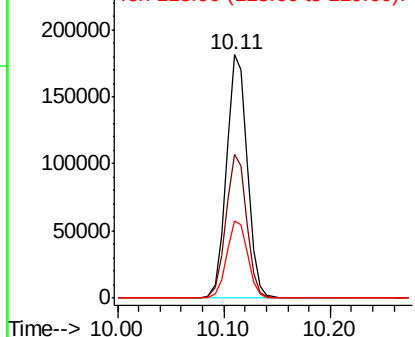


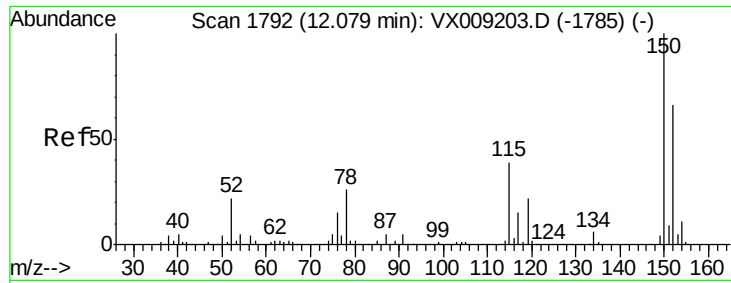
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VX009725.D
 Acq: 20 May 2019 14:52

Tgt Ion: 117 Resp: 248059
 Ion Ratio Lower Upper
 117 100
 82 58.9 48.8 73.2
 119 31.9 25.8 38.6



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: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB202-GW-698-700

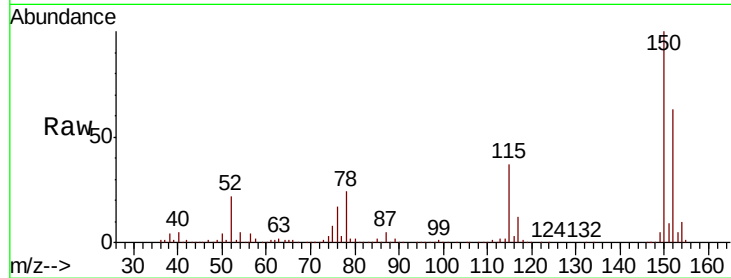
Tot Ion:152 Resp: 103850

Ion Ratio Lower Upper

152 100

115 59.0 41.2 123.6

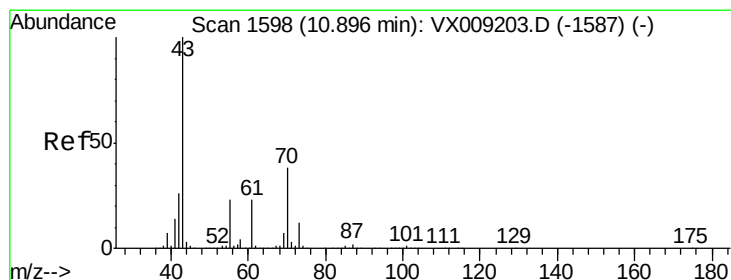
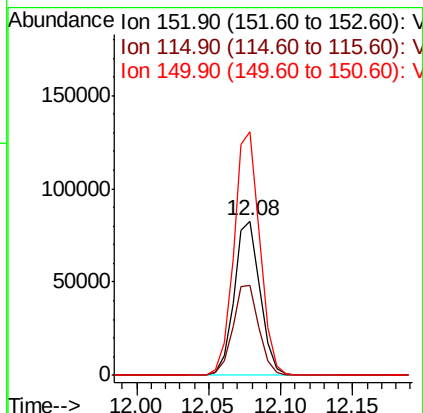
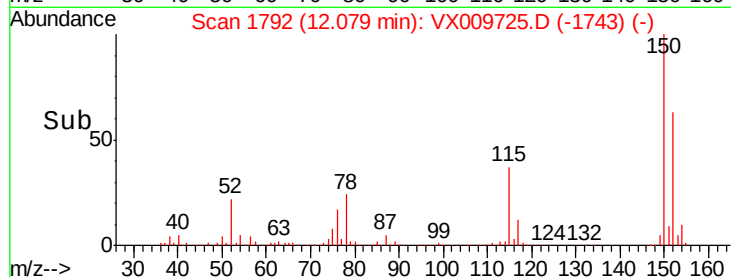
150 157.8 0.0 346.4



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



#74

N-ethyl acetate

Concen: 0.500 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Tgt Ion: 43 Resp: 2202

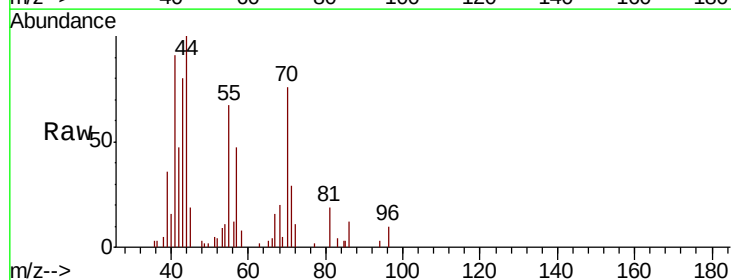
Ion Ratio Lower Upper

43 100

70 104.3 30.0 45.0#

55 100.9 17.9 26.9#

61 0.0 18.4 27.6#

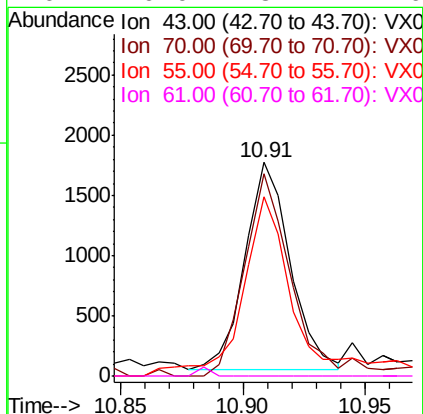
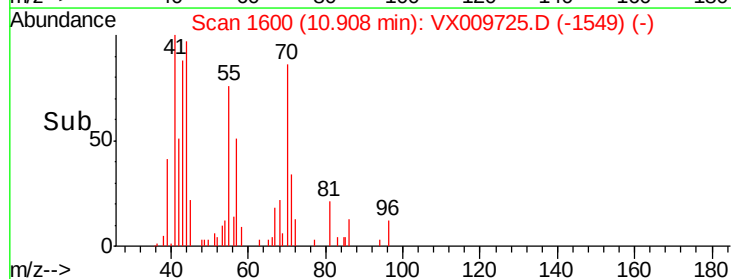


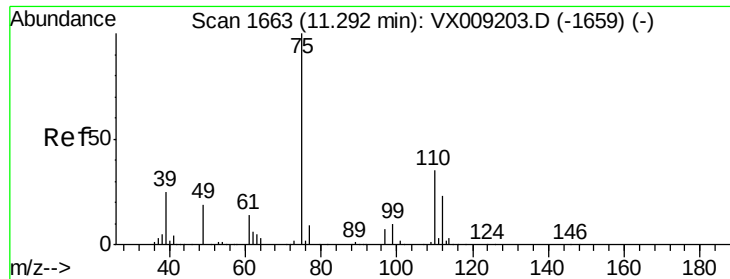
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

Instrument :

MSVOA_X

ClientSampleId :

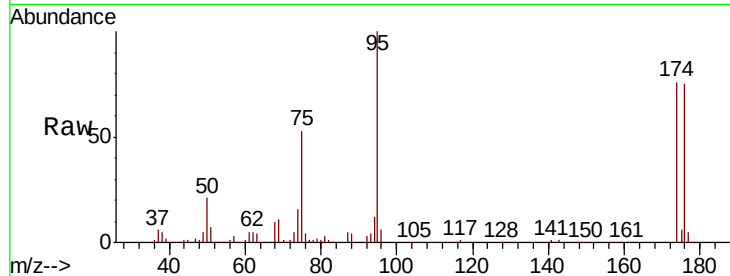
BP-VPB202-GW-698-700

Tot Ion: 75 Resp: 60416

Ion Ratio Lower Upper

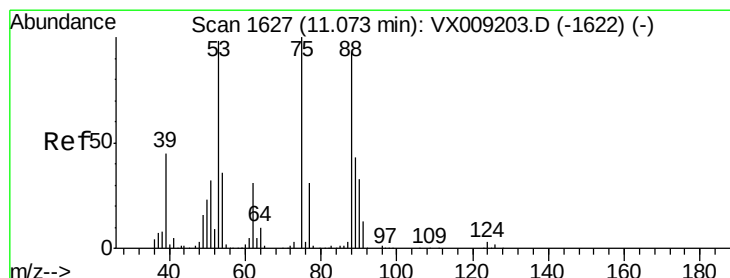
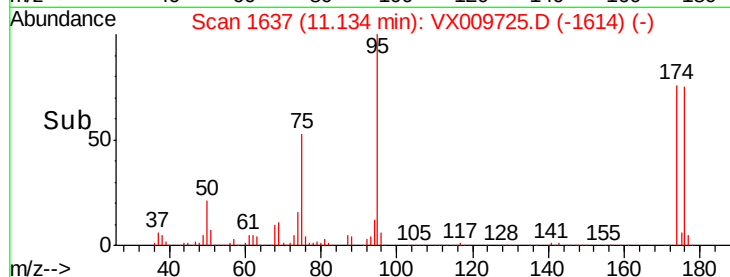
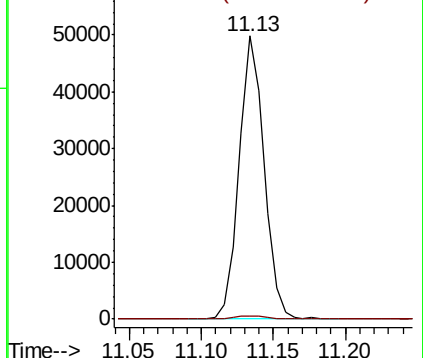
75 100

77 1.6 22.1 66.1#



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: 64.170 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009725.D

Acq: 20 May 2019 14:52

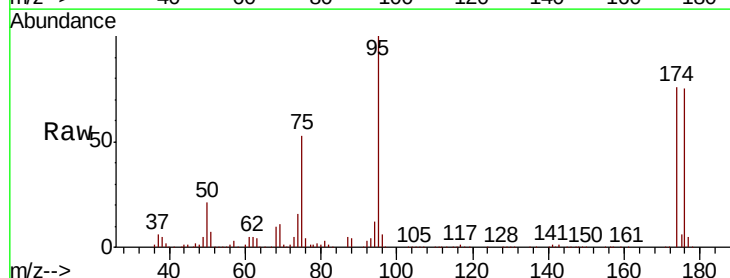
Tgt Ion: 75 Resp: 60416

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

89 0.0 34.7 52.1#



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

