

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012621.D
 Acq On : 24 Sep 2019 10:39
 Operator : JC/SP
 Sample : VX0924WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924WBL01

Quant Time: Sep 25 04:33:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96047	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	127077	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	5.48	113	93114	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	8.71	98	354510	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.14	95	121856	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

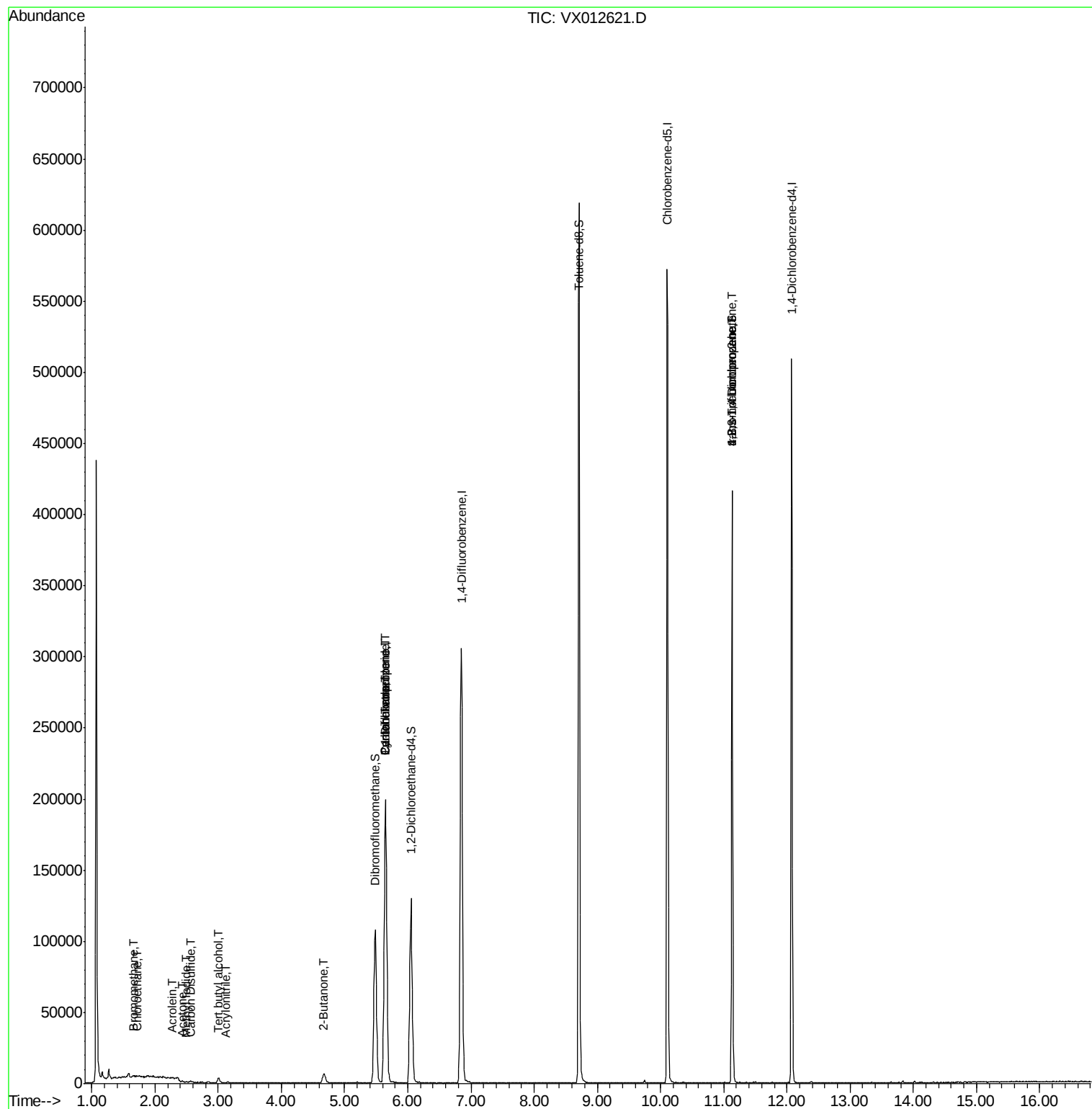
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	374	0.424	ug/l #	60
6) Chloroethane	1.73	64	411	0.272	ug/l	93
10) Methyl Iodide	2.50	142	507	5.179	ug/l #	73
11) Tert butyl alcohol	3.00	59	2270	3.569	ug/l #	77
13) Acrolein	2.27	56	257	10.928	ug/l #	15
15) Acrylonitrile	3.13	53	307	0.238	ug/l #	77
16) Acetone	2.43	43	654	0.485	ug/l #	88
17) Carbon Disulfide	2.56	76	1304	0.247	ug/l #	82
25) 2-Butanone	4.66	43	576	0.298	ug/l #	51
31) Cyclohexane	5.65	56	4391	1.239	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15681	5.389	ug/l #	51
38) Carbon Tetrachloride	5.65	117	20328	6.878	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	62455	24.582	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	62455	70.446	ug/l #	8

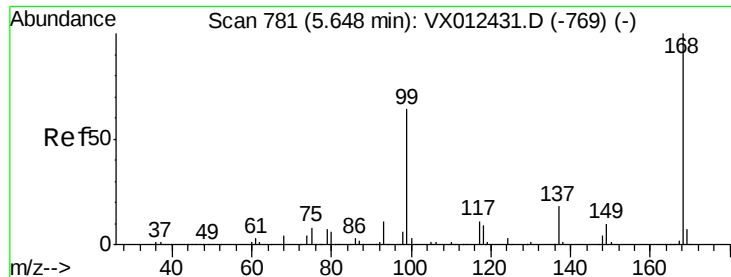
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

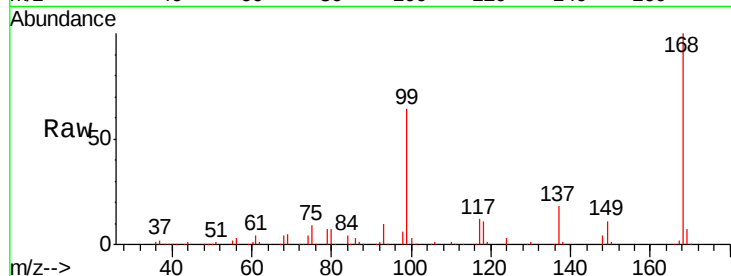
VX0924WBL01

Tgt Ion:168 Resp: 174870

Ion Ratio Lower Upper

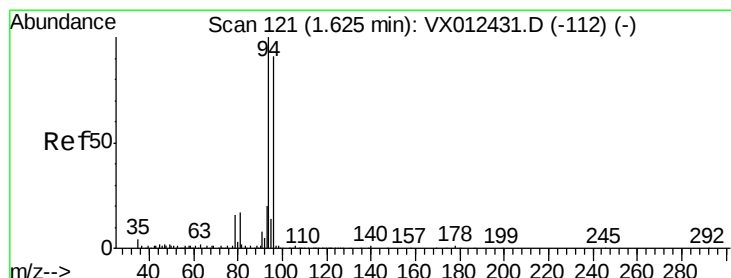
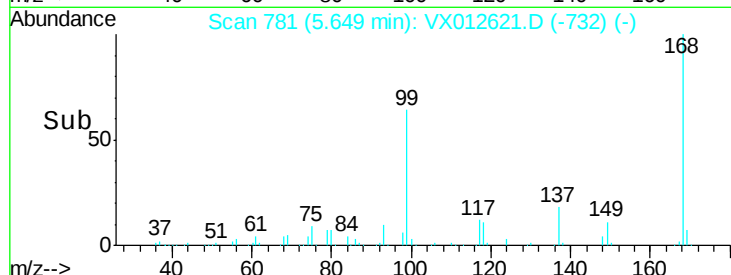
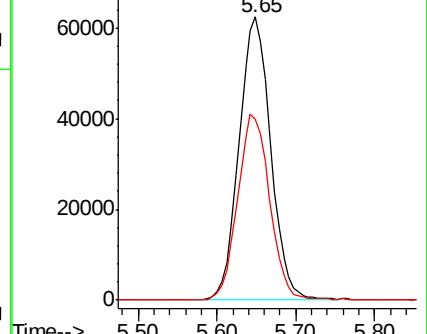
168 100

99 64.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.424 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012621.D

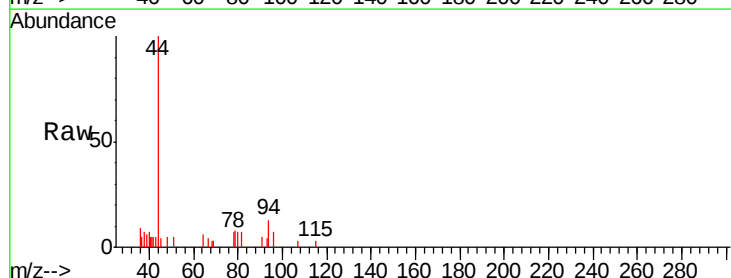
Acq: 24 Sep 2019 10:39

Tgt Ion: 94 Resp: 374

Ion Ratio Lower Upper

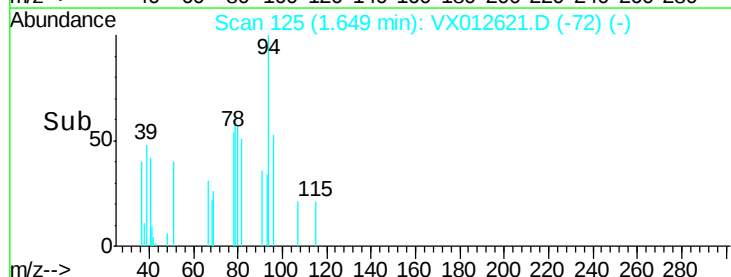
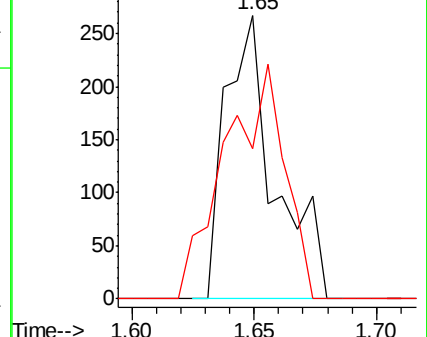
94 100

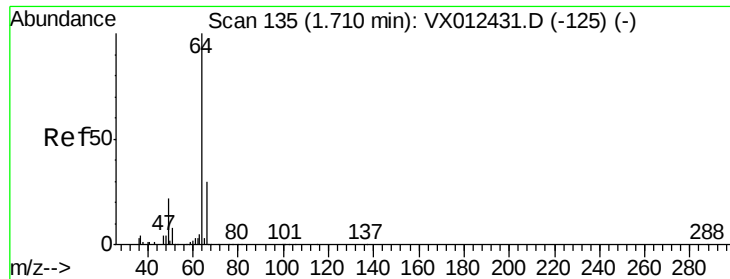
96 53.2 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.272 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

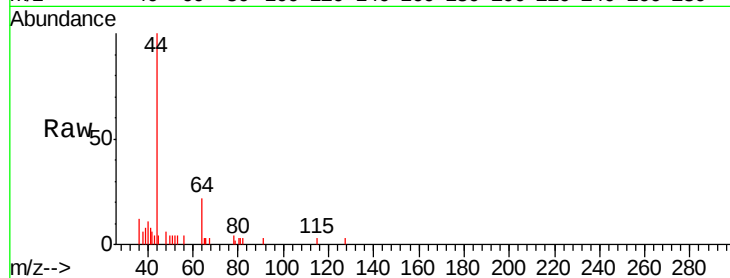
VX0924WBL01

Tgt Ion: 64 Resp: 411

Ion Ratio Lower Upper

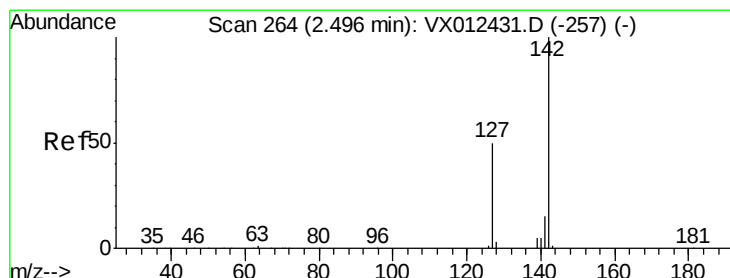
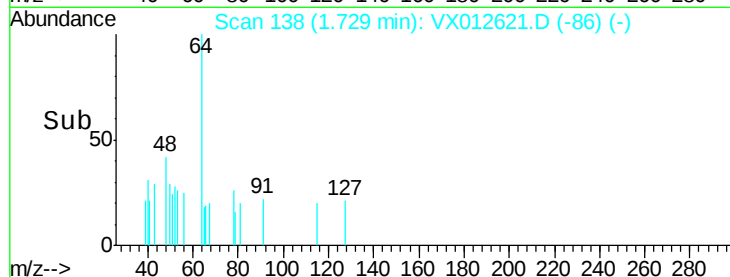
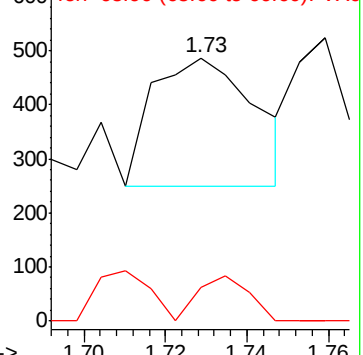
64 100

66 26.5 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.179 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

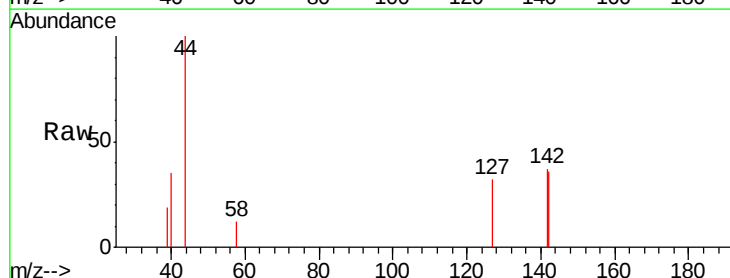
Tgt Ion: 142 Resp: 507

Ion Ratio Lower Upper

142 100

127 33.7 40.8 61.2#

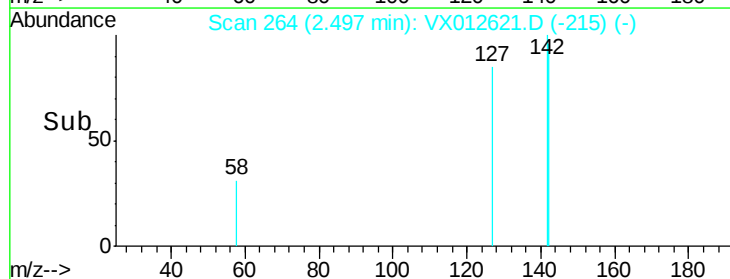
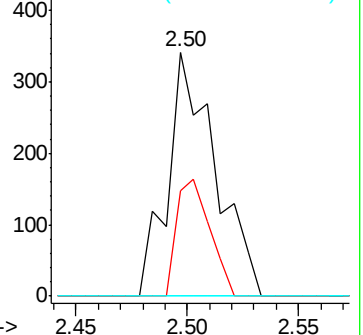
141 0.0 12.1 18.1#

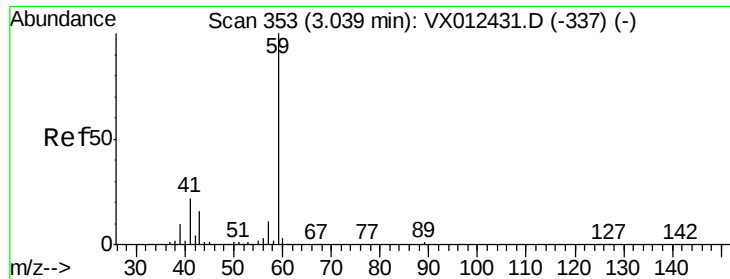


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

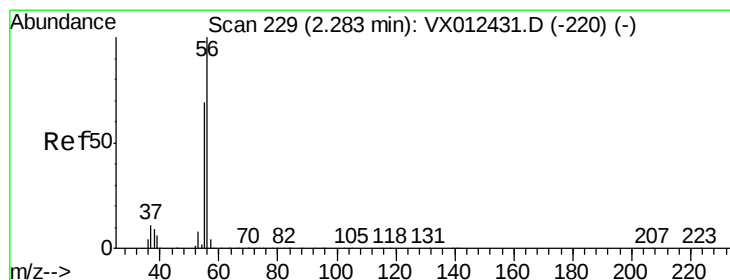
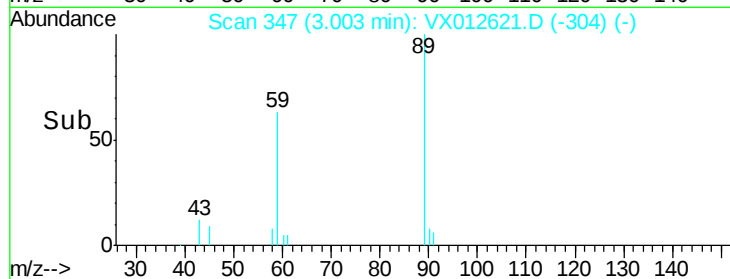
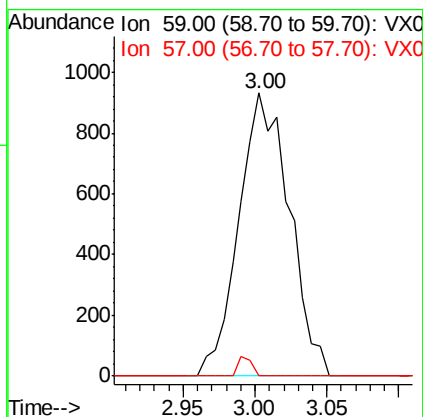
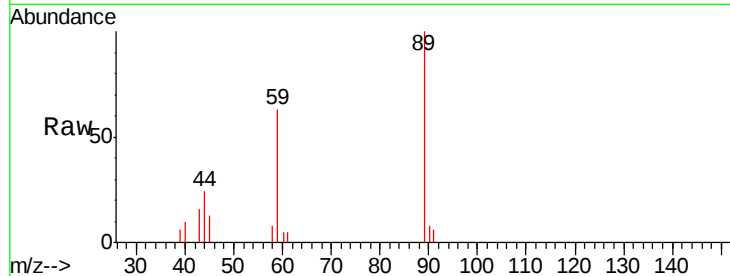




#11
Tert butyl alcohol
Concen: 3.569 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012621.D
Acq: 24 Sep 2019 10:39

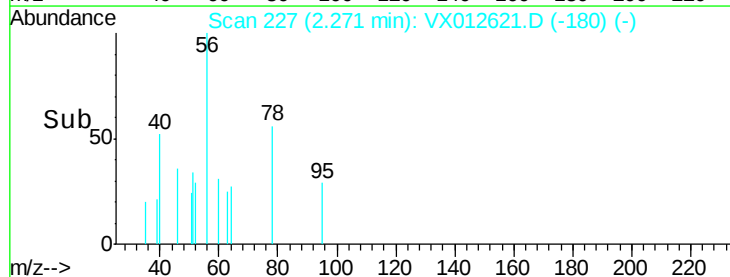
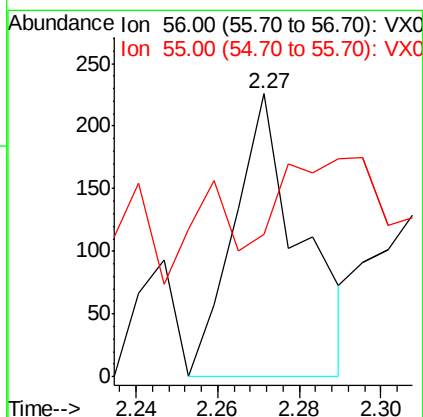
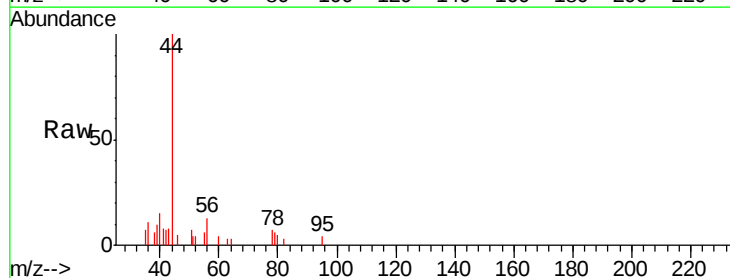
Instrument :
MSVOA_X
ClientSampleId :
VX0924WBL01

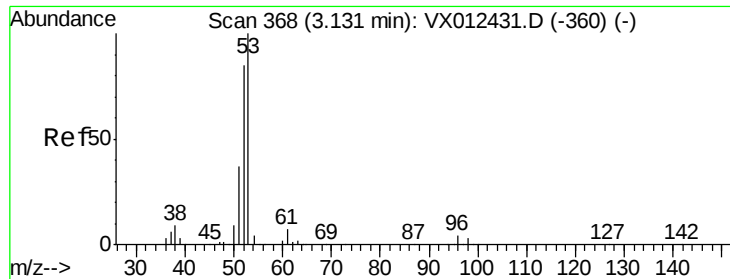
Tgt Ion: 59 Resp: 2270
Ion Ratio Lower Upper
59 100
57 1.9 8.3 12.5#



#13
Acrolein
Concen: 10.928 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX012621.D
Acq: 24 Sep 2019 10:39

Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#





#15

Acrylonitrile

Concen: 0.238 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

MSVOA_X

ClientSampled :

VX0924WBL01

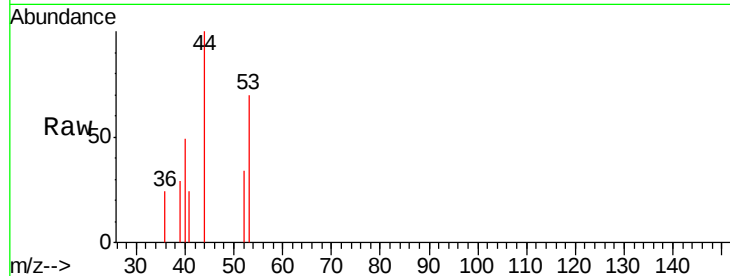
Tgt Ion: 53 Resp: 307

Ion Ratio Lower Upper

53 100

52 93.5 67.0 100.4

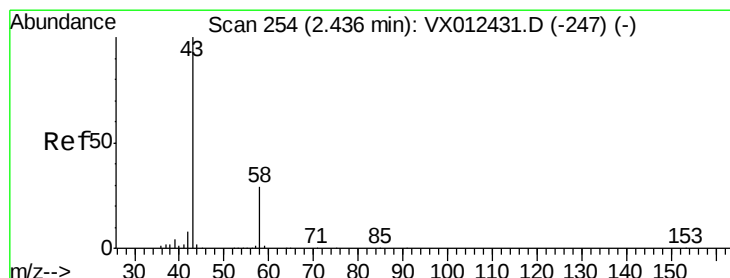
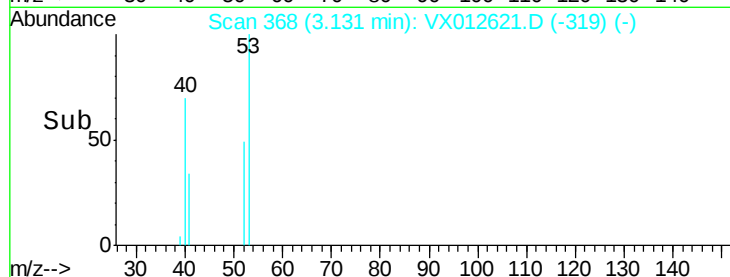
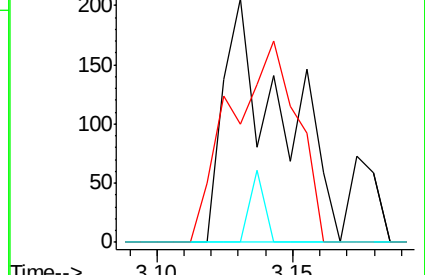
51 7.2 29.6 44.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.485 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012621.D

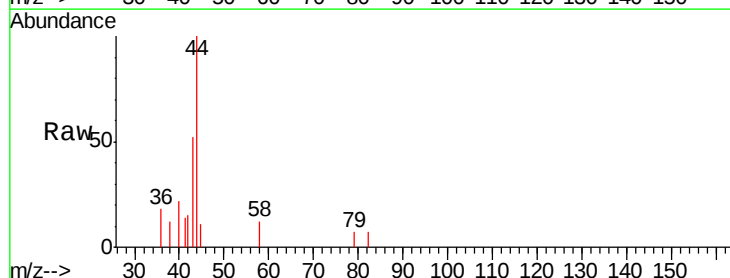
Acq: 24 Sep 2019 10:39

Tgt Ion: 43 Resp: 654

Ion Ratio Lower Upper

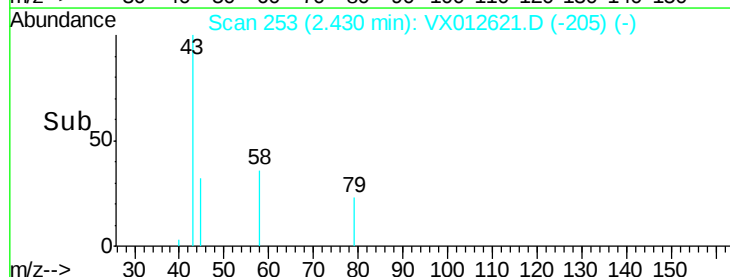
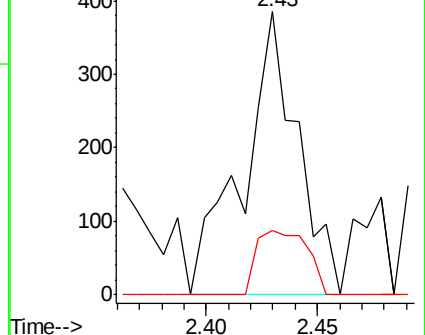
43 100

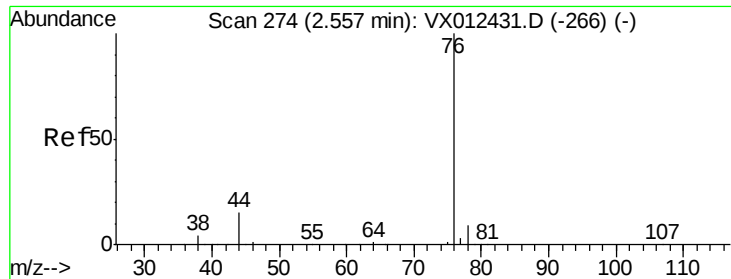
58 22.9 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

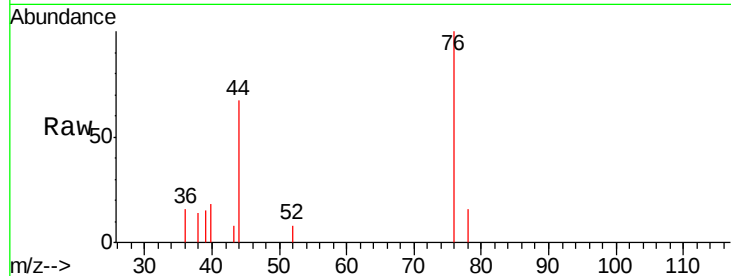
VX0924WBL01

Tgt Ion: 76 Resp: 1304

Ion Ratio Lower Upper

76 100

78 15.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

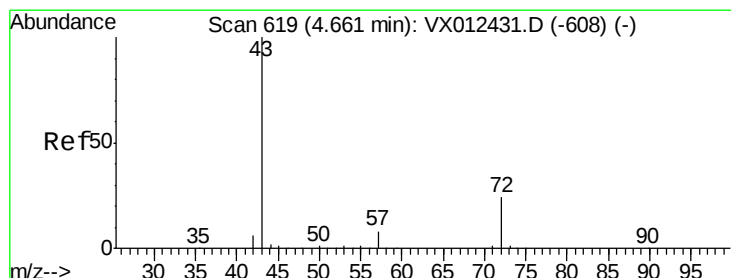
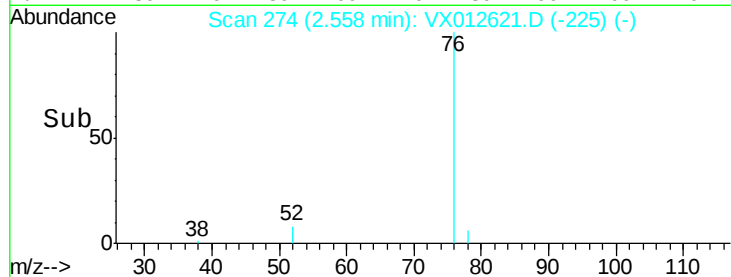
600

400

200

0

Time-->



#25

2-Butanone

Concen: 0.298 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012621.D

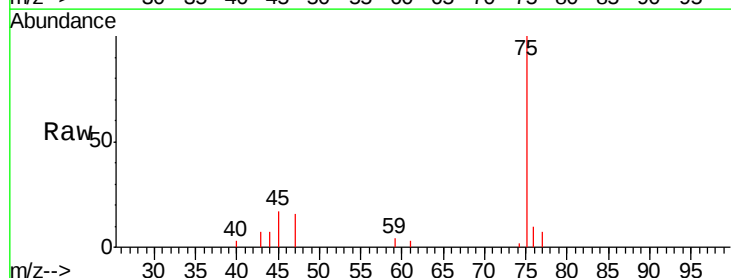
Acq: 24 Sep 2019 10:39

Tgt Ion: 43 Resp: 576

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.66

250

200

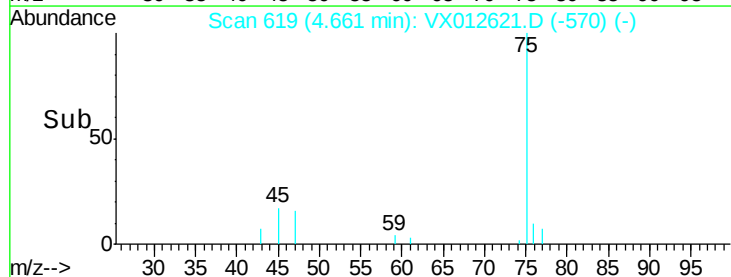
150

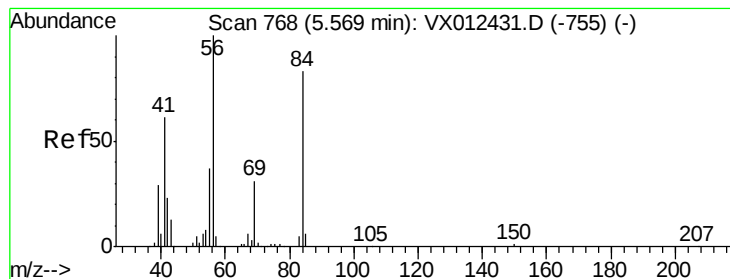
100

50

0

Time-->





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX0924WBL01

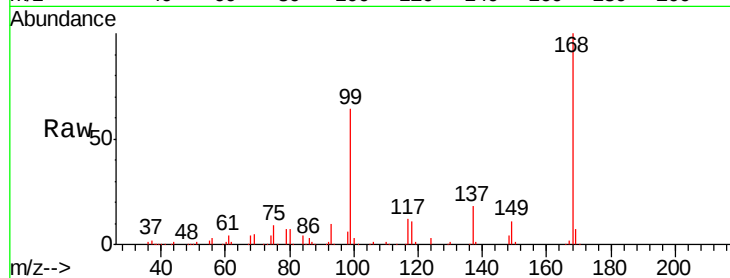
Tgt Ion: 56 Resp: 4391

Ion Ratio Lower Upper

56 100

69 183.6 25.0 37.6#

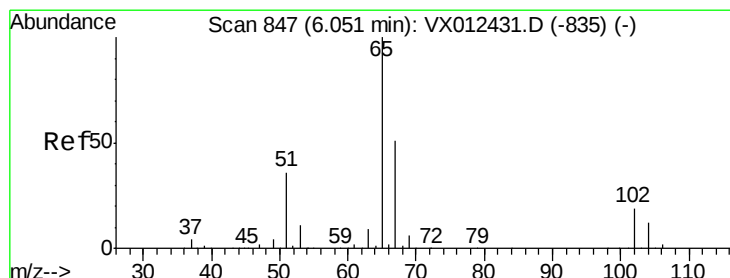
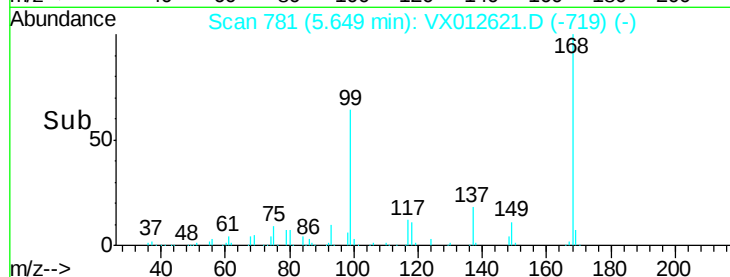
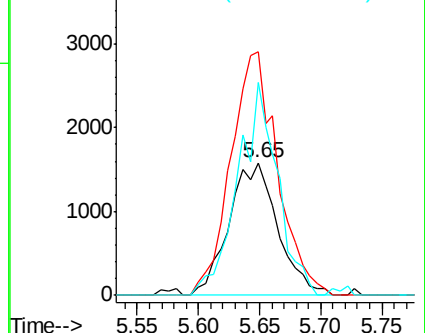
84 161.0 66.4 99.6#



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: 49.904 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012621.D

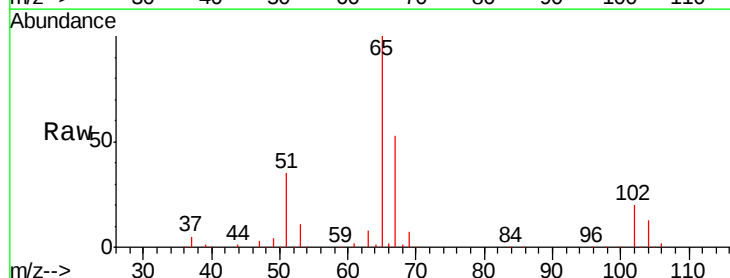
Acq: 24 Sep 2019 10:39

Tgt Ion: 65 Resp: 127077

Ion Ratio Lower Upper

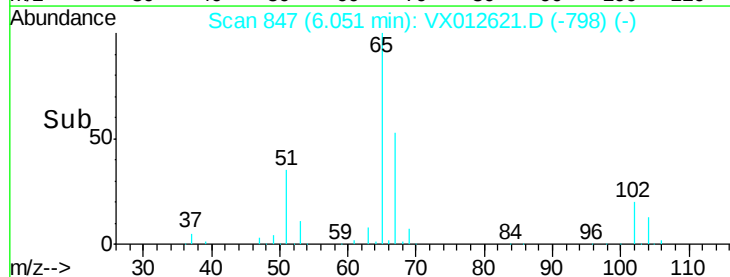
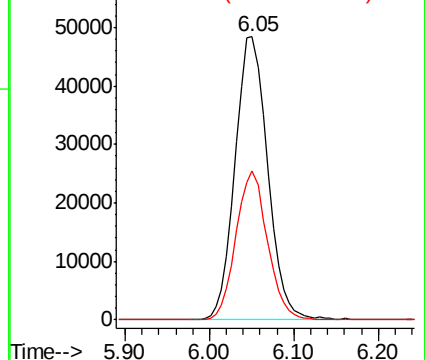
65 100

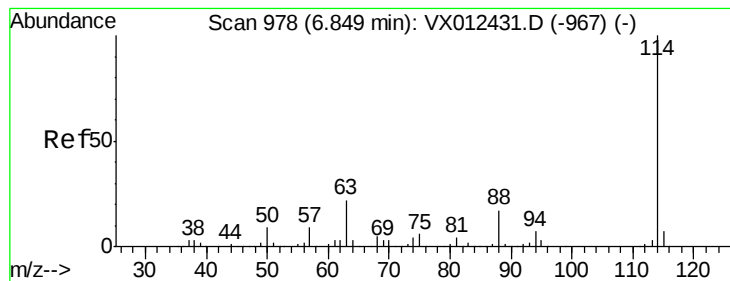
67 50.8 0.0 101.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

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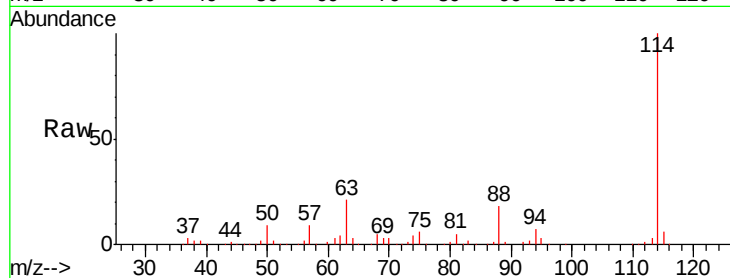
Tgt Ion:114 Resp: 301855

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

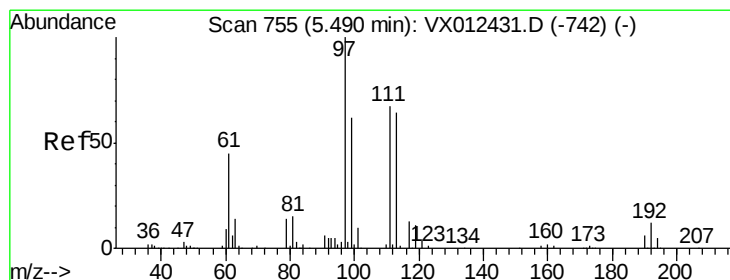
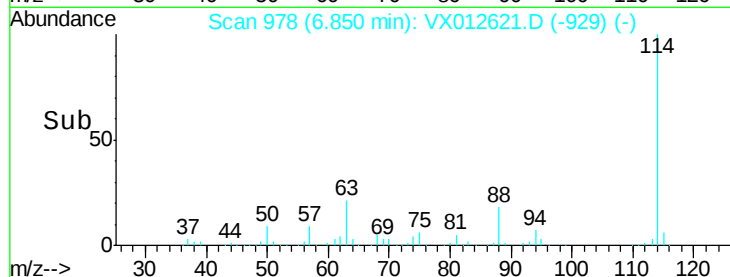
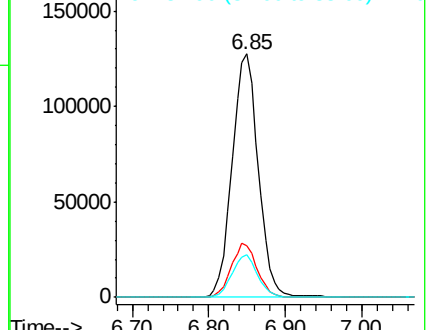
88 17.5 0.0 33.2



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: 51.797 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

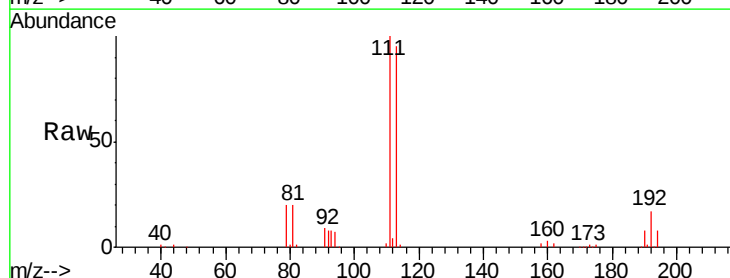
Tgt Ion:113 Resp: 93114

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

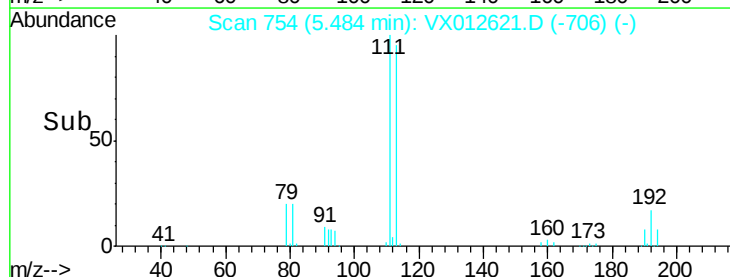
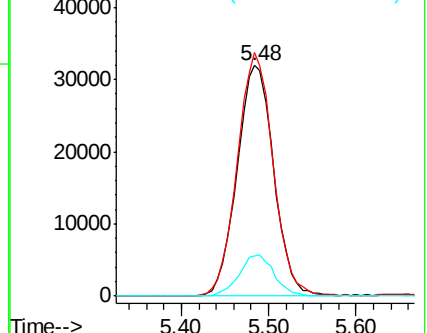
192 17.2 14.4 21.6

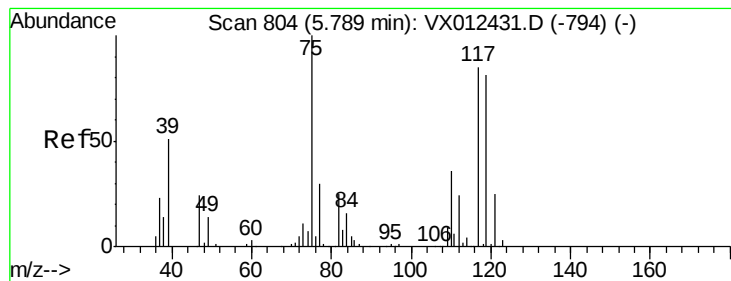


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.389 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX0924WBL01

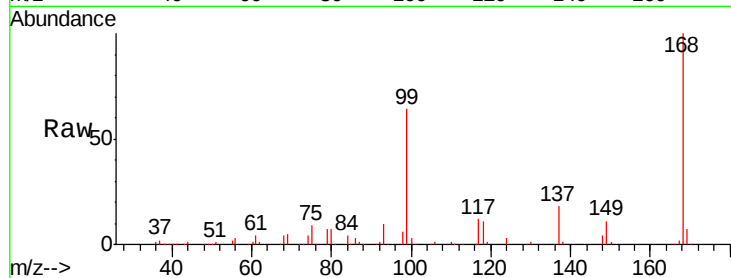
Tgt Ion: 75 Resp: 15681

Ion Ratio Lower Upper

75 100

110 8.6 16.7 50.0#

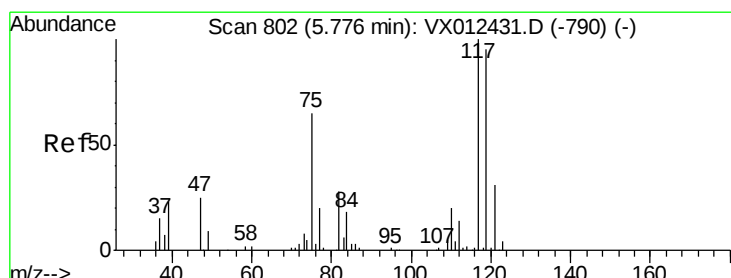
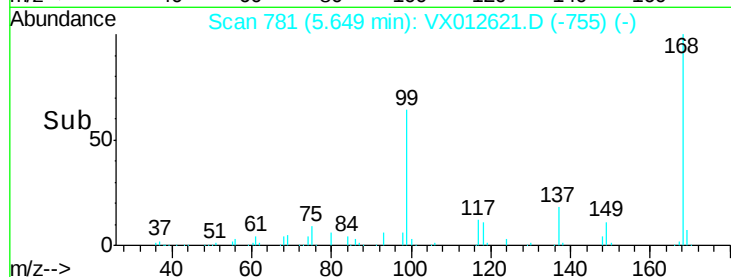
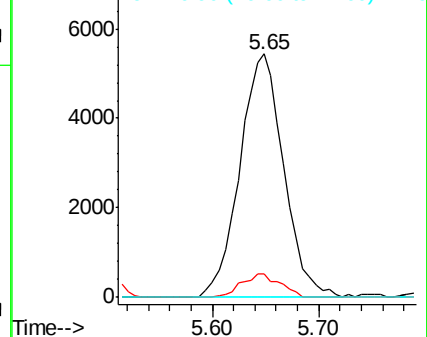
77 0.0 24.2 36.2#



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: 6.878 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

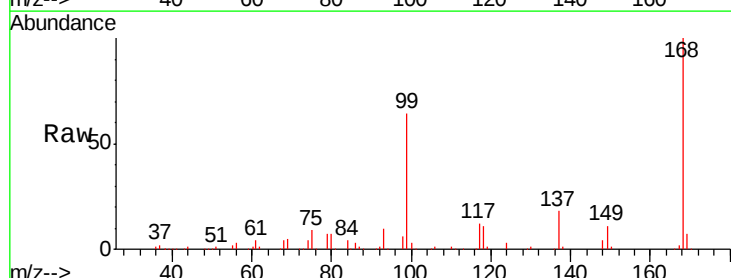
Tgt Ion: 117 Resp: 20328

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

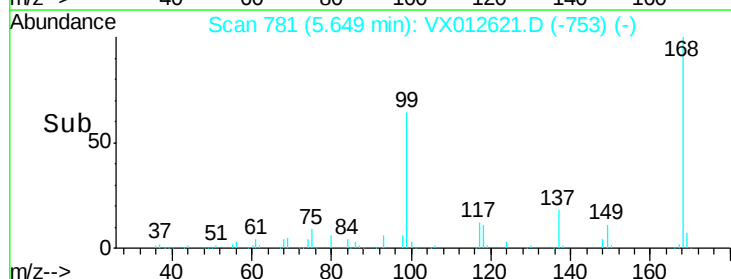
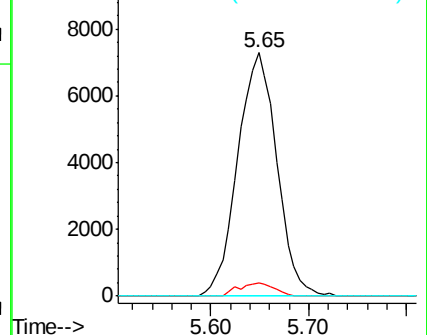
121 0.0 24.2 36.4#

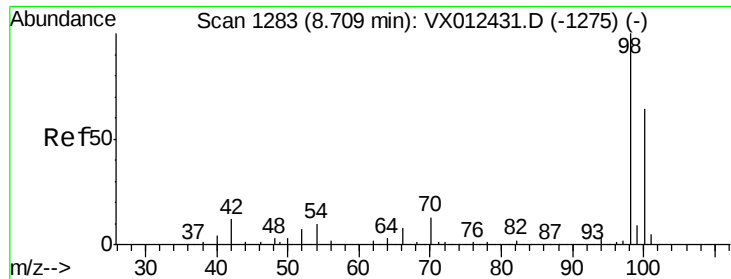


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

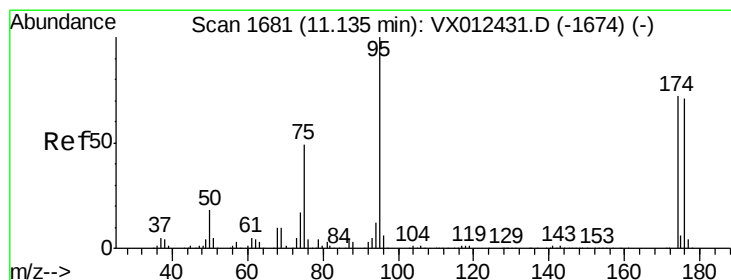
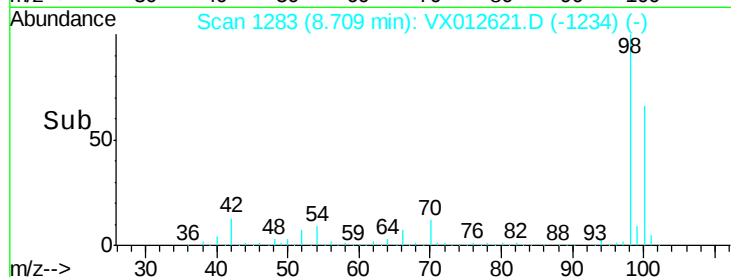
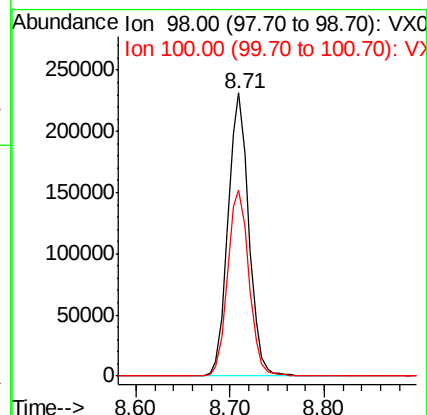
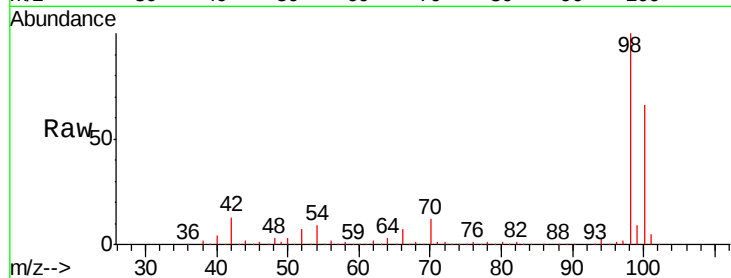




#50
Toluene-d8
Concen: 51.208 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012621.D
Acq: 24 Sep 2019 10:39

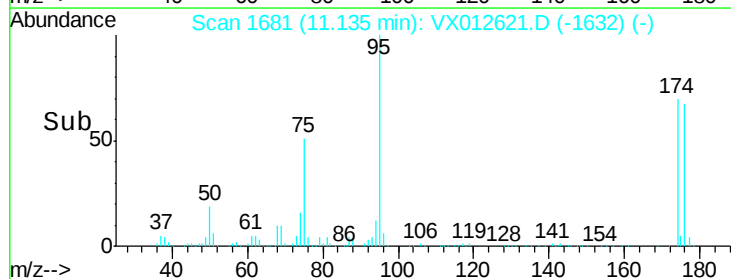
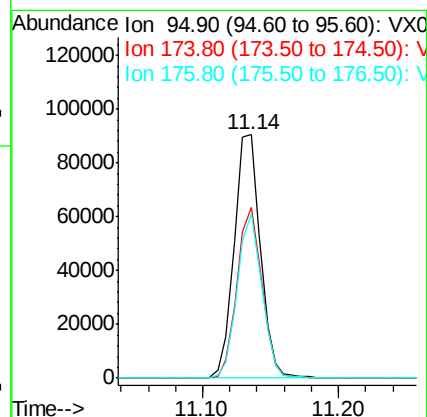
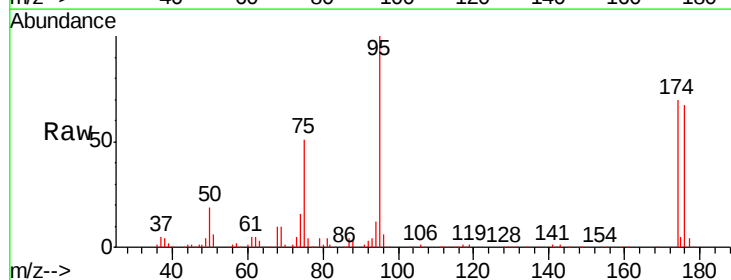
Instrument :
MSVOA_X
ClientSampled :
VX0924WBL01

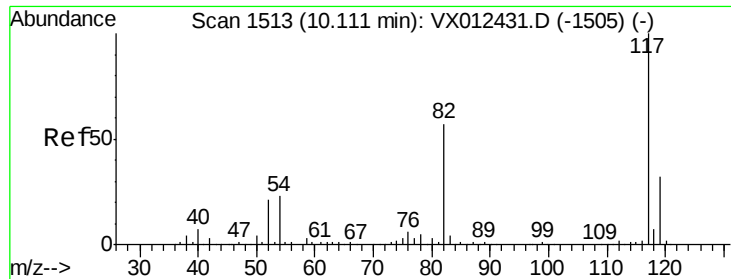
Tgt Ion: 98 Resp: 354510
Ion Ratio Lower Upper
98 100
100 67.5 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 44.765 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012621.D
Acq: 24 Sep 2019 10:39

Tgt Ion: 95 Resp: 121856
Ion Ratio Lower Upper
95 100
174 66.7 0.0 140.0
176 63.5 0.0 135.4

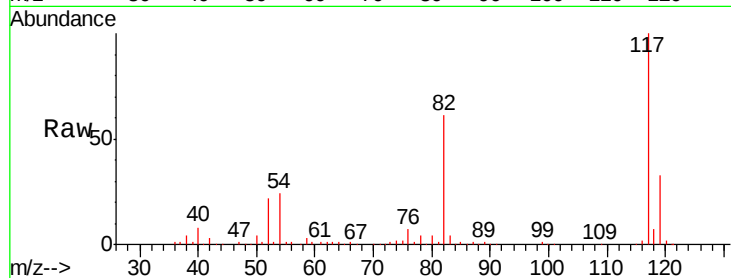




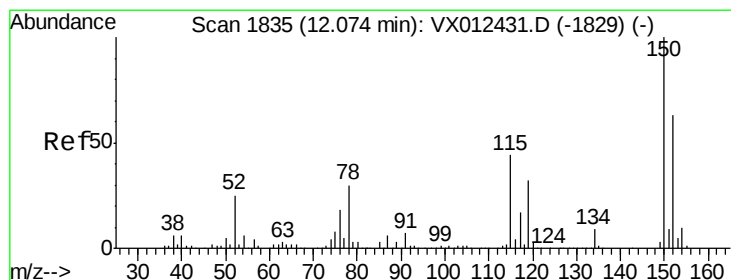
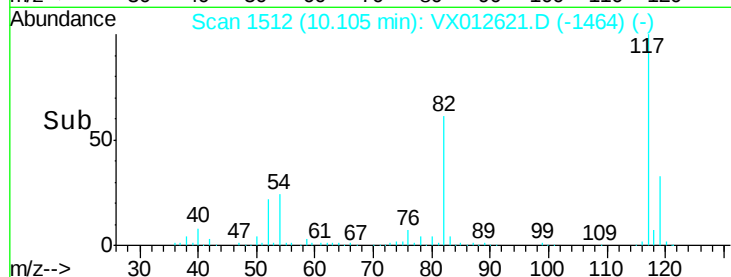
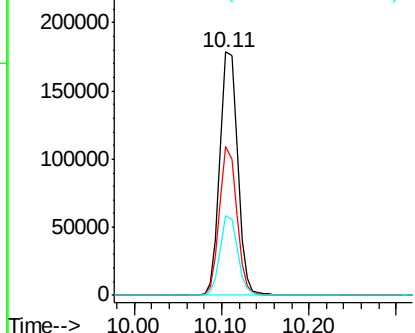
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012621.D
Acq: 24 Sep 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX0924WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.0	45.9	68.9
119	32.8	25.3	37.9

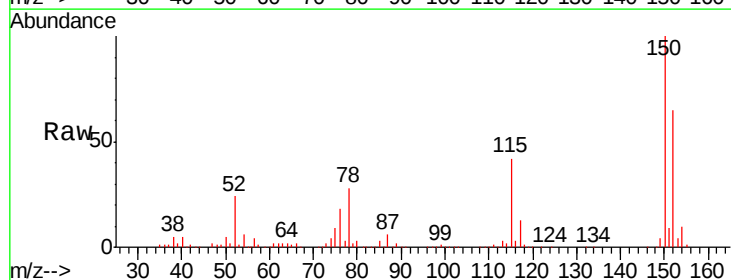


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

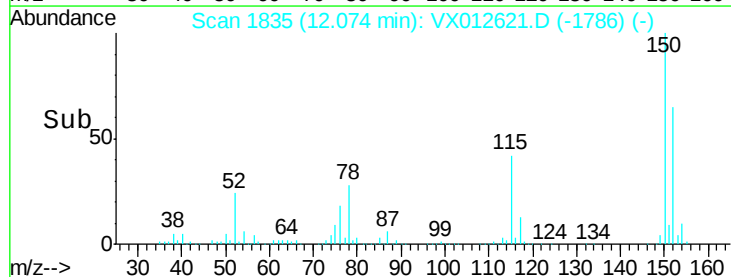
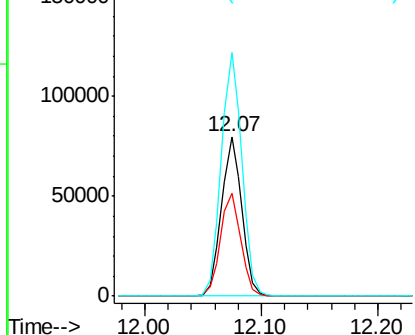


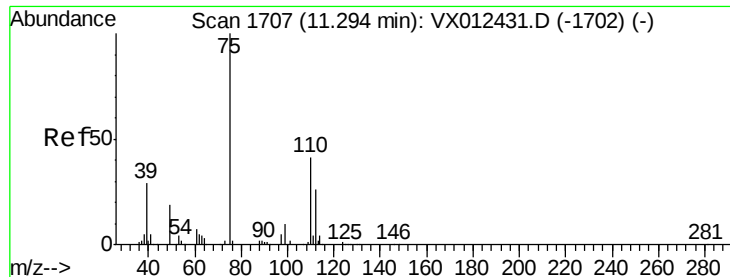
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012621.D
Acq: 24 Sep 2019 10:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	44.1	132.3
150	155.2	0.0	343.8



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: 24.582 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

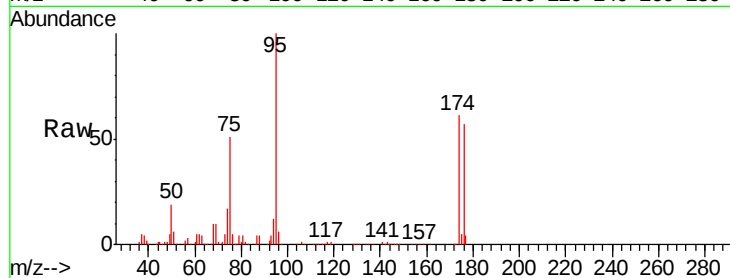
VX0924WBL01

Tgt Ion: 75 Resp: 62455

Ion Ratio Lower Upper

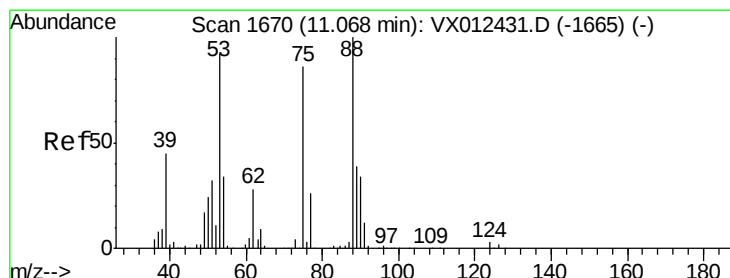
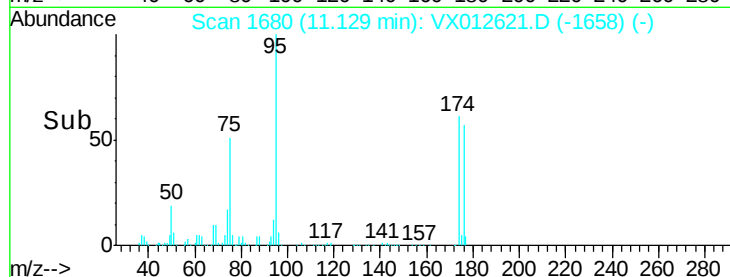
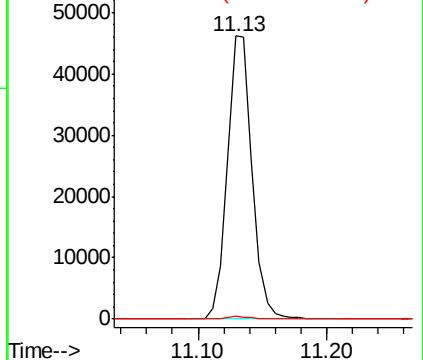
75 100

77 0.9 19.7 59.0#



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: 70.446 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012621.D

Acq: 24 Sep 2019 10:39

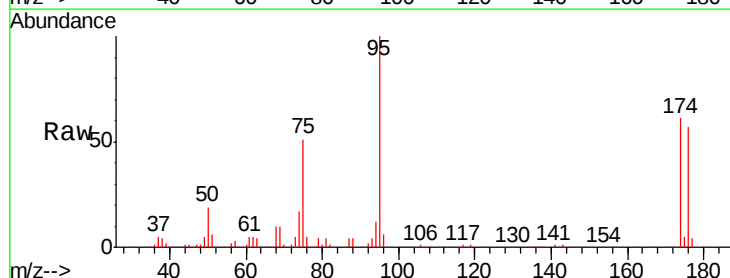
Tgt Ion: 75 Resp: 62455

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

