

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042619\
 Data File : VX009193.D
 Acq On : 26 Apr 2019 16:33
 Operator : JC/SP
 Sample : K2591-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Apr 27 04:04:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	329262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114438	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	134825	47.37	ug/l	0.00
Spiked Amount						
			Recovery	=	94.74%	
35) Dibromofluoromethane	5.50	113	98760	46.74	ug/l	0.00
Spiked Amount						
			Recovery	=	93.48%	
50) Toluene-d8	8.71	98	408026	48.42	ug/l	0.00
Spiked Amount						
			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	11.13	95	132057	44.39	ug/l	0.00
Spiked Amount						
			Recovery	=	88.78%	

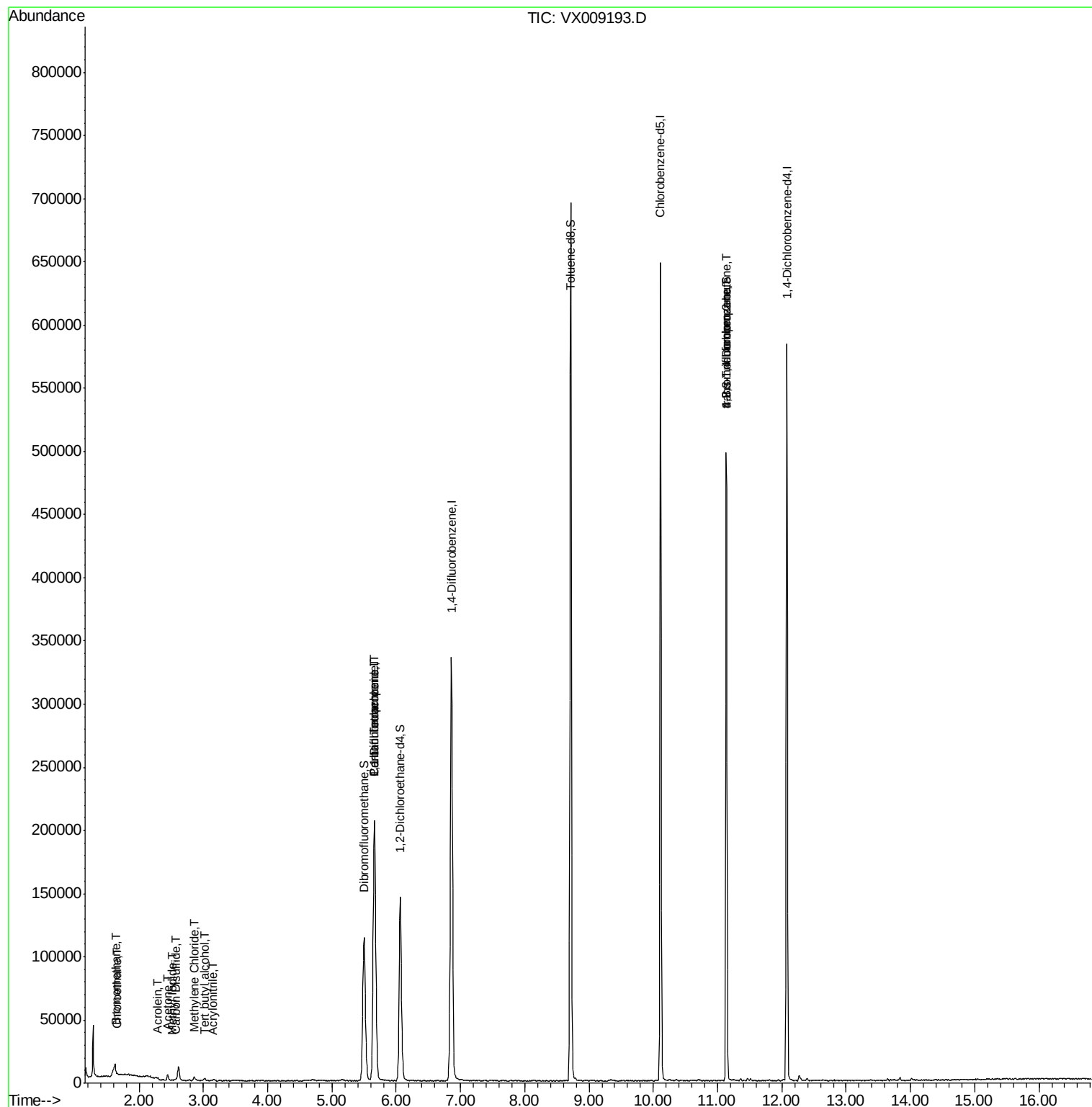
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	725	4.233	ug/l	92
6) Chloroethane	1.66	64	4853	2.969	ug/l #	71
10) Methyl Iodide	2.51	142	563	4.641	ug/l #	85
11) Tert butyl alcohol	3.02	59	1304	2.064	ug/l #	72
13) Acrolein	2.29	56	248	0.454	ug/l #	6
15) Acrylonitrile	3.14	53	595	0.371	ug/l #	86
16) Acetone	2.45	43	4954	3.357	ug/l	94
17) Carbon Disulfide	2.57	76	1516	1.485	ug/l #	79
20) Methylene Chloride	2.85	84	1223	0.485	ug/l	90
28) Bromochloromethane	5.01	49	91	Below Cal	#	21
36) 1,1-Dichloropropene	5.66	75	15990	4.696	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19202	6.651	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	67827	24.273	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67827	62.315	ug/l #	11

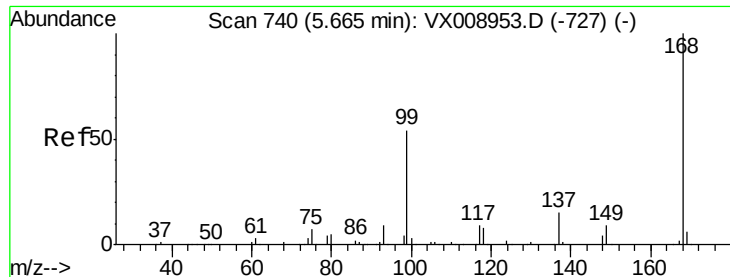
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

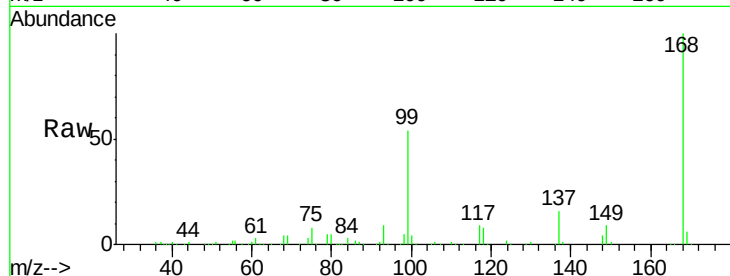
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 201945

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

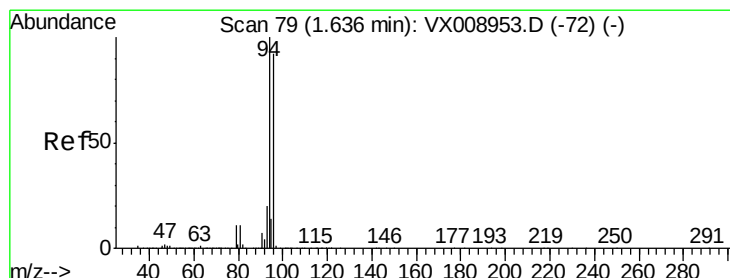
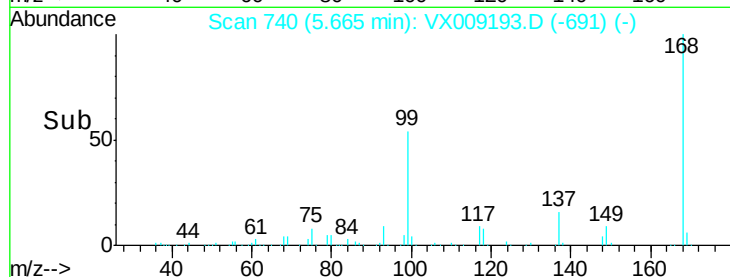
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 4.233 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009193.D

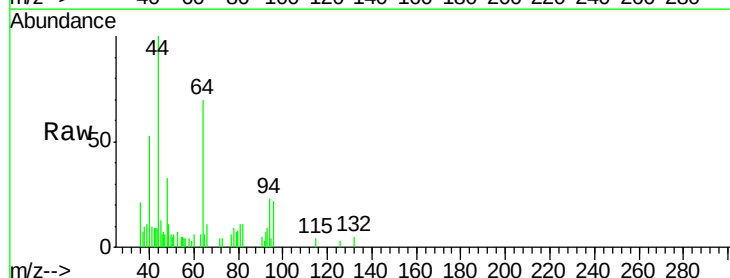
Acq: 26 Apr 2019 16:33

Tgt Ion: 94 Resp: 725

Ion Ratio Lower Upper

94 100

96 99.7 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

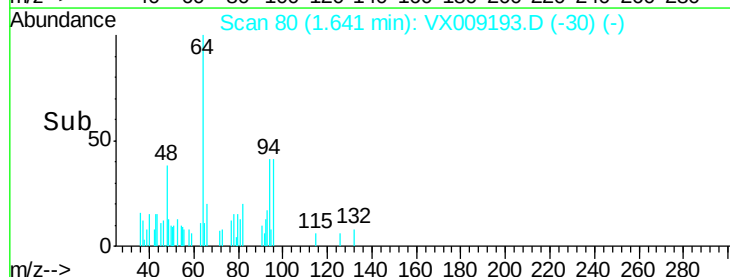
200

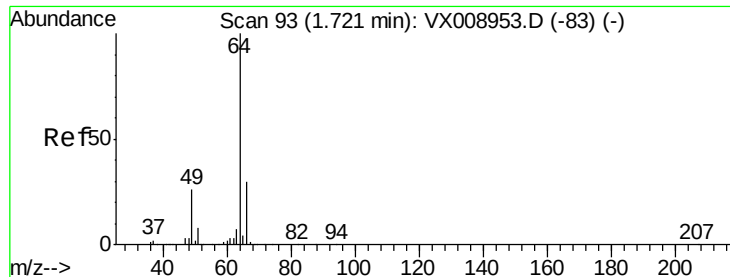
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 2.969 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.06 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

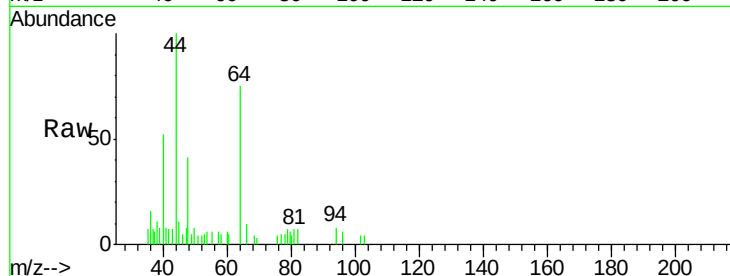
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 64 Resp: 4853

Ion Ratio Lower Upper

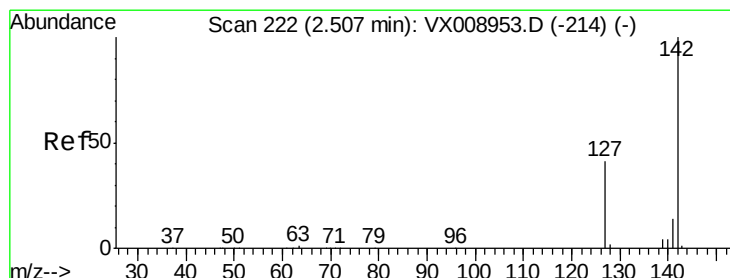
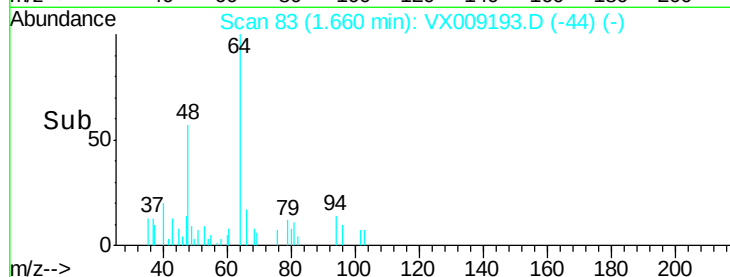
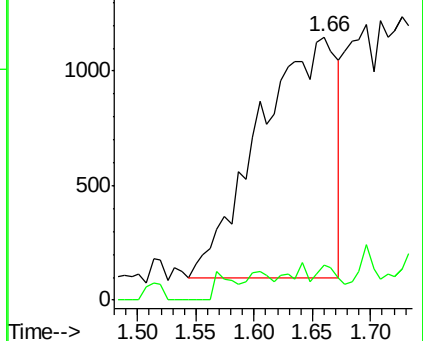
64 100

66 14.4 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.641 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

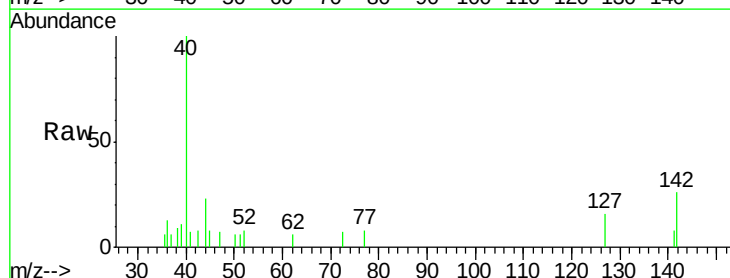
Tgt Ion:142 Resp: 563

Ion Ratio Lower Upper

142 100

127 51.5 32.8 49.2#

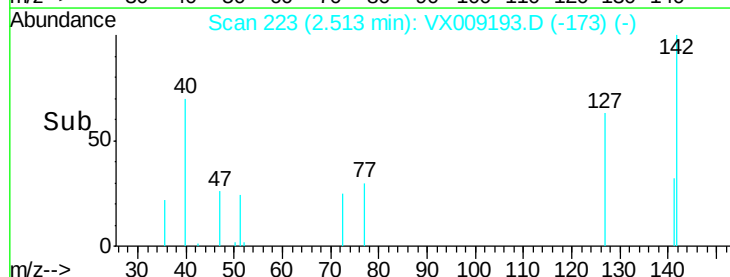
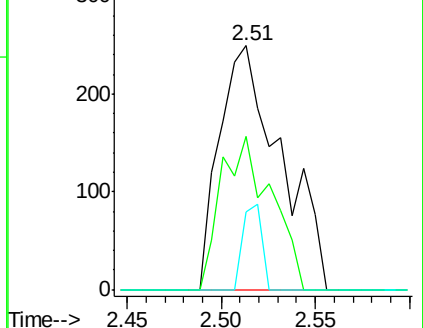
141 10.8 11.4 17.2#

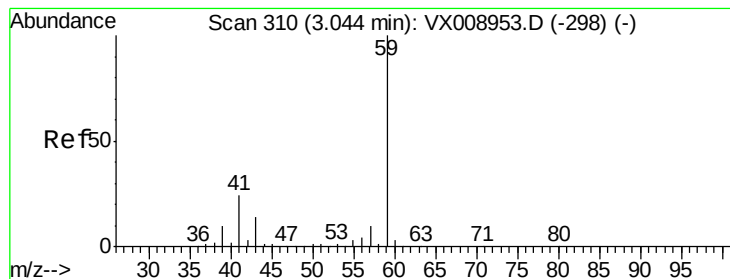


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



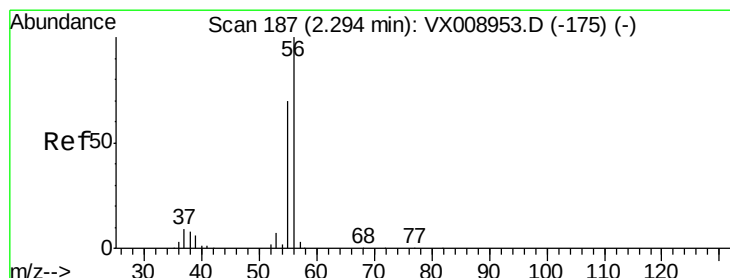
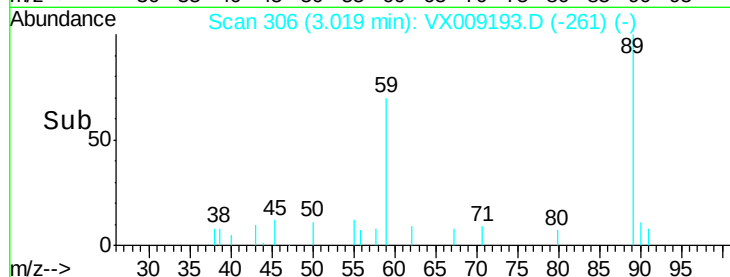
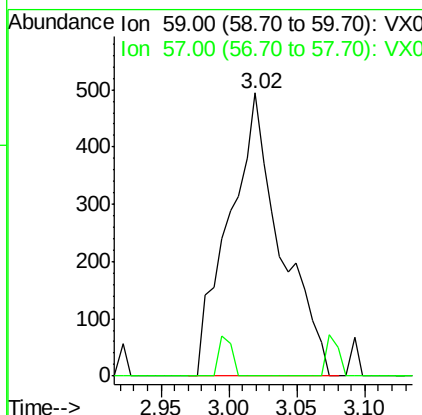
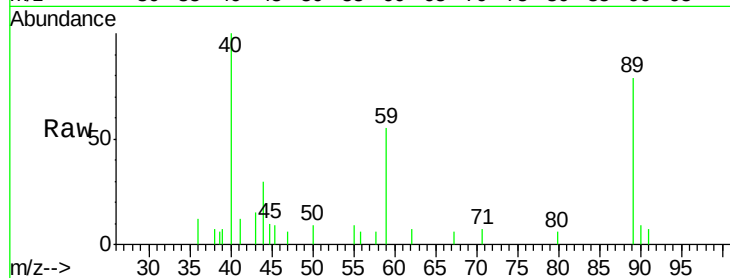


#11

Tert butyl alcohol
 Concen: 2.064 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009193.D
 Acq: 26 Apr 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

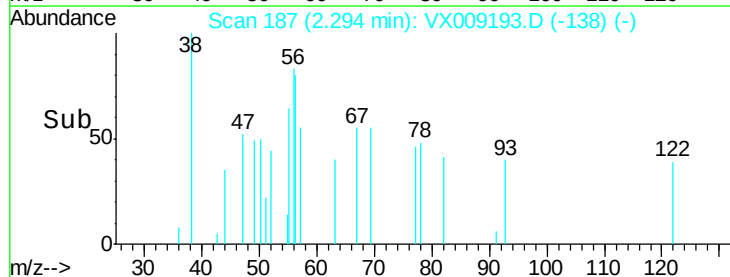
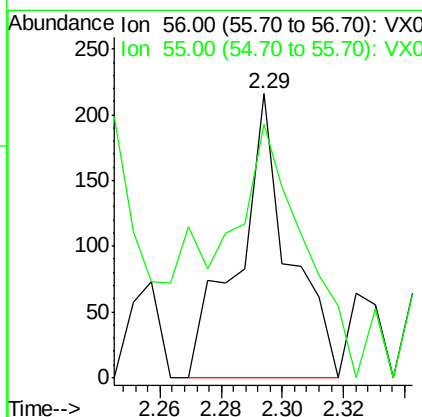
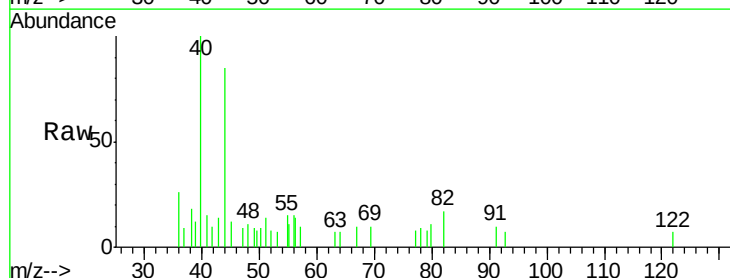
Tot Ion: 59 Resp: 1304
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

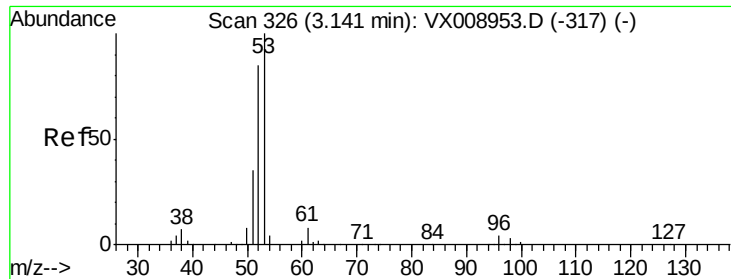


#13

Acrolein
 Concen: 0.454 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009193.D
 Acq: 26 Apr 2019 16:33

Tgt Ion: 56 Resp: 248
 Ion Ratio Lower Upper
 56 100
 55 148.0 56.6 84.8#





#15

Acrylonitrile

Concen: 0.371 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

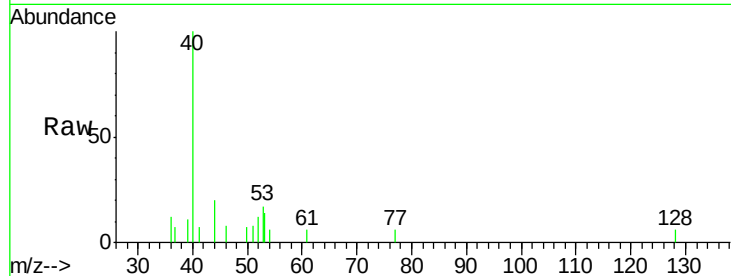
Tot Ion: 53 Resp: 595

Ion Ratio Lower Upper

53 100

52 71.9 66.6 100.0

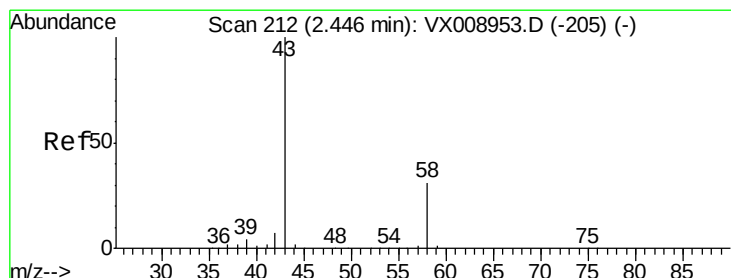
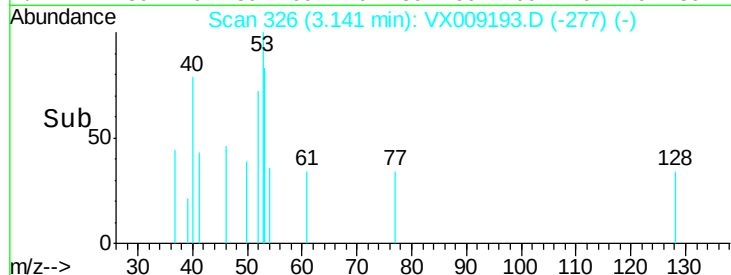
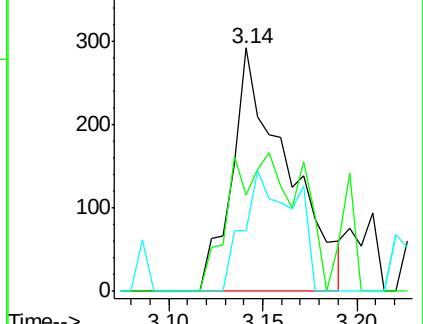
51 45.0 28.3 42.5#



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: 3.357 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009193.D

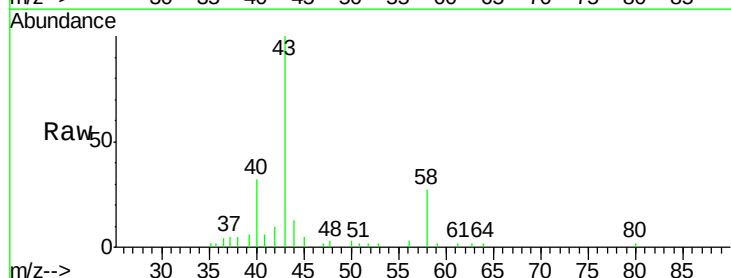
Acq: 26 Apr 2019 16:33

Tgt Ion: 43 Resp: 4954

Ion Ratio Lower Upper

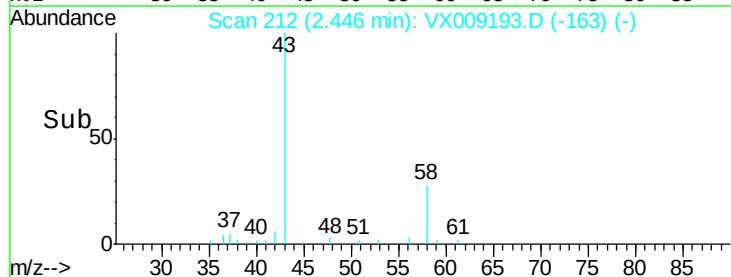
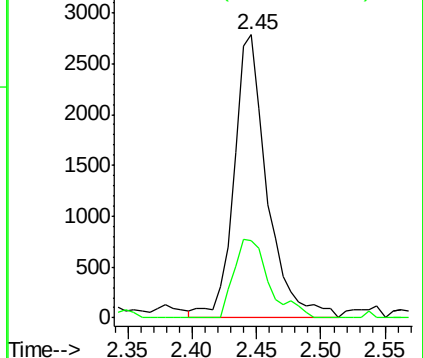
43 100

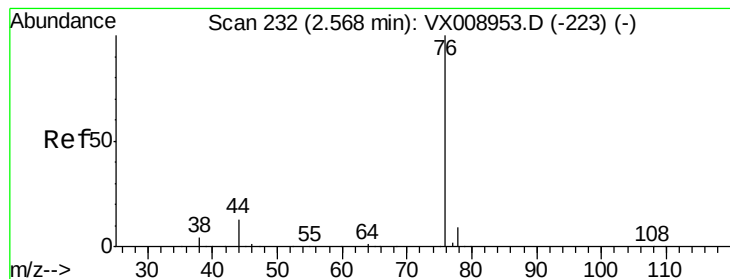
58 27.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.485 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

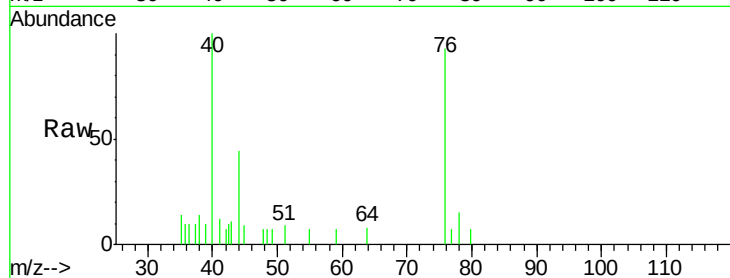
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 76 Resp: 1516

Ion Ratio Lower Upper

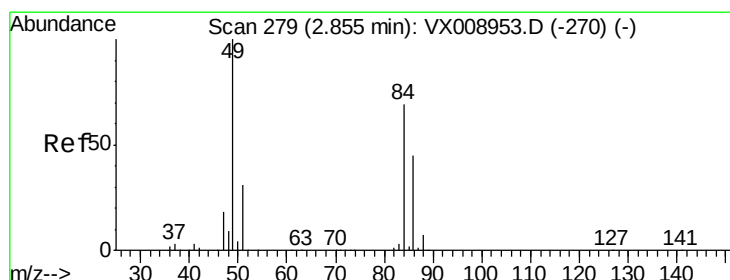
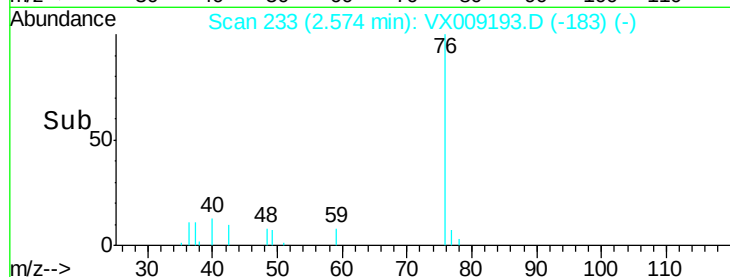
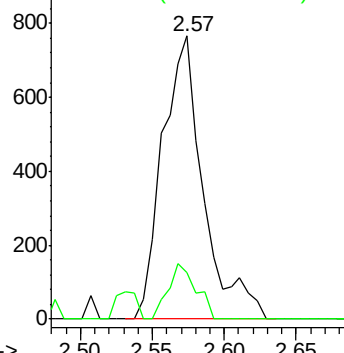
76 100

78 16.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.485 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Tgt Ion: 84 Resp: 1223

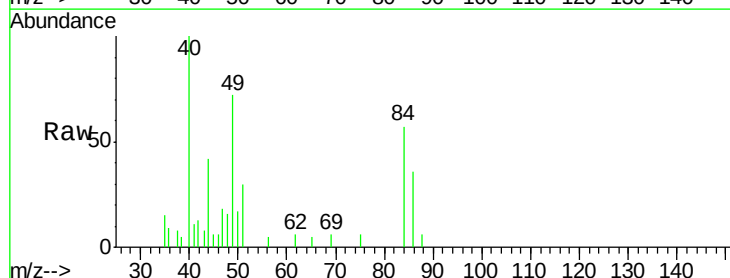
Ion Ratio Lower Upper

84 100

49 126.3 115.4 173.0

51 43.1 35.8 53.6

86 62.2 52.1 78.1

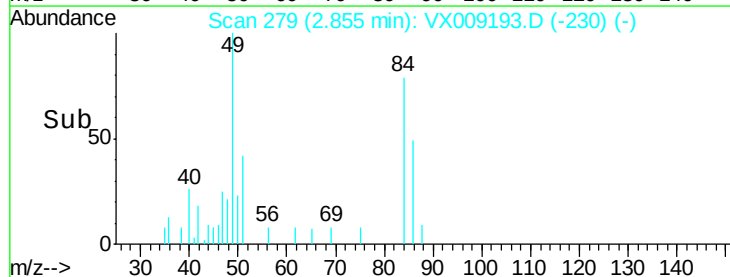
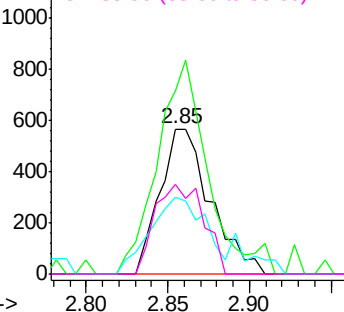


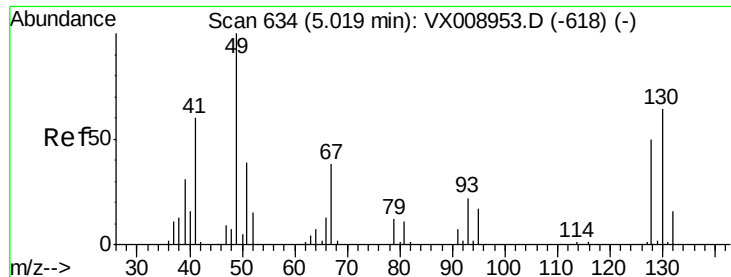
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

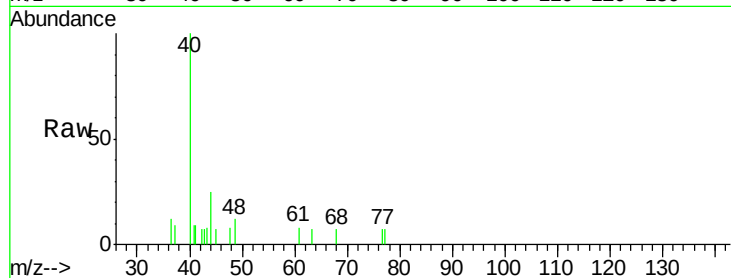
Tot Ion: 49 Resp: 91

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

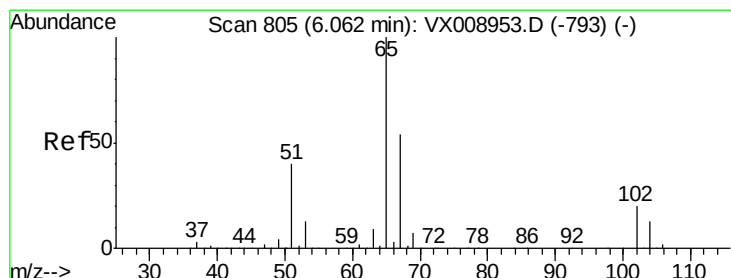
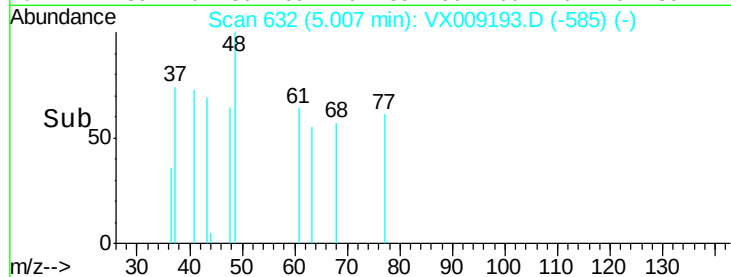
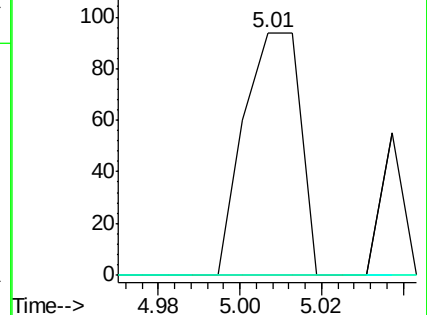
130 0.0 50.4 75.6#



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: 47.374 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009193.D

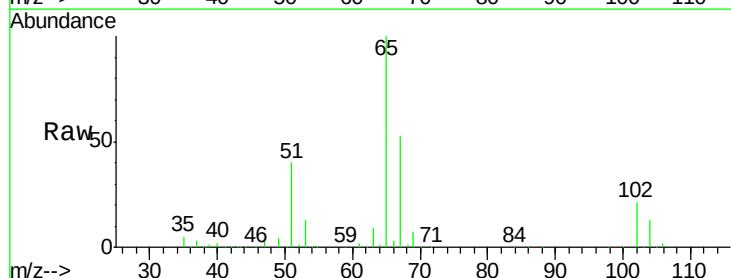
Acq: 26 Apr 2019 16:33

Tgt Ion: 65 Resp: 134825

Ion Ratio Lower Upper

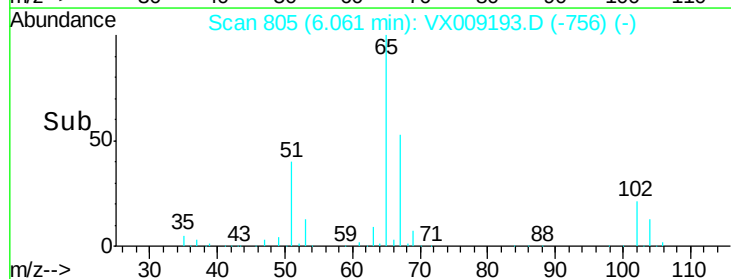
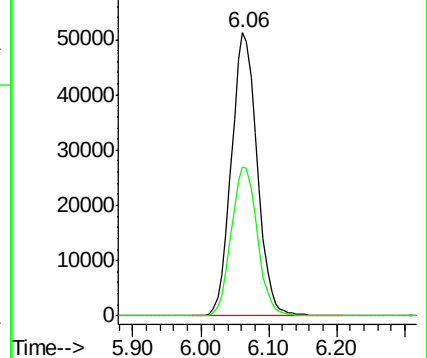
65 100

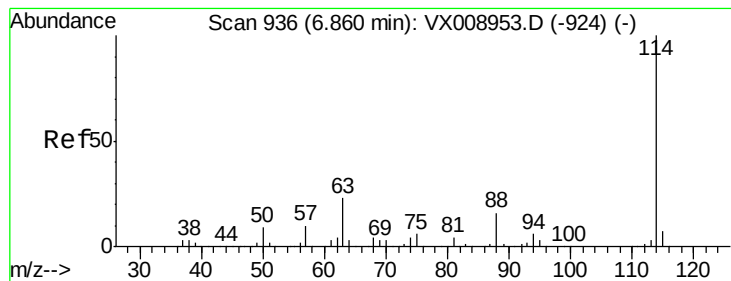
67 53.5 0.0 108.6



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: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

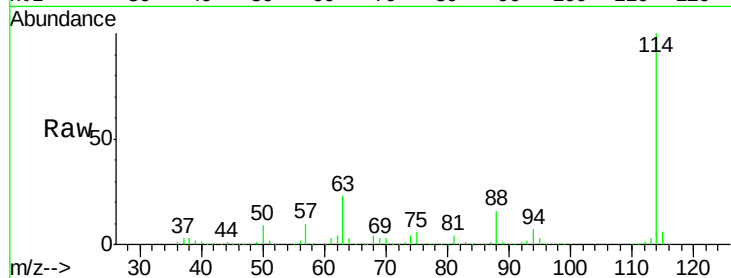
Tot Ion:114 Resp: 329262

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.0

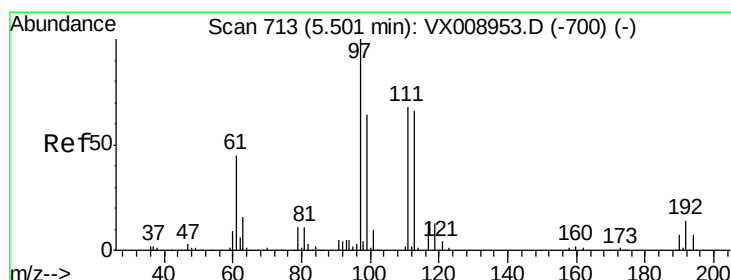
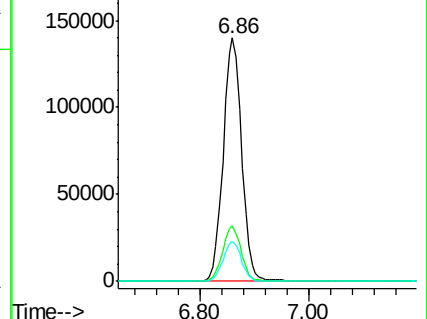
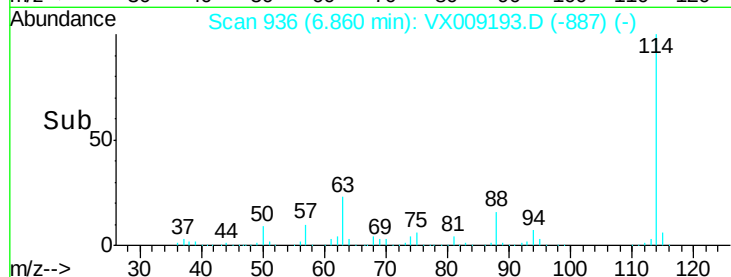
88 16.5 0.0 32.6



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: 46.736 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

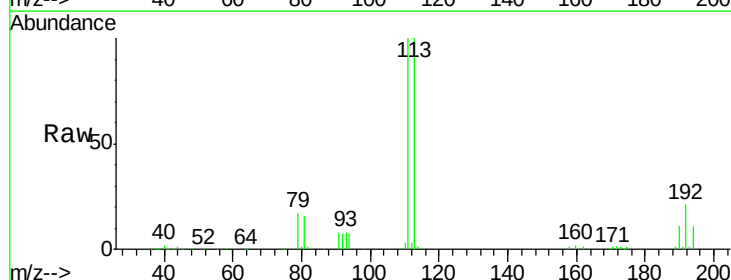
Tgt Ion:113 Resp: 98760

Ion Ratio Lower Upper

113 100

111 101.8 82.9 124.3

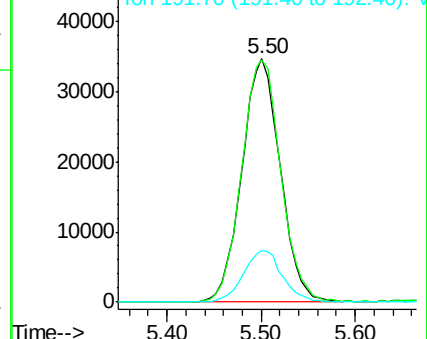
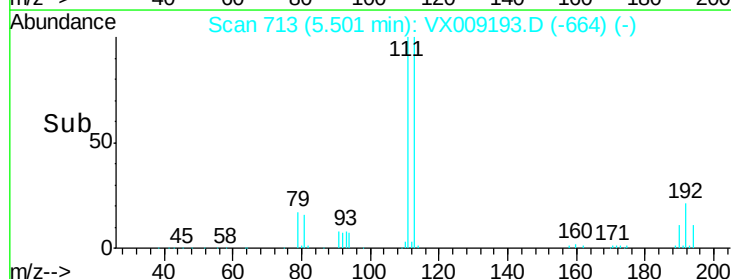
192 21.6 17.4 26.0

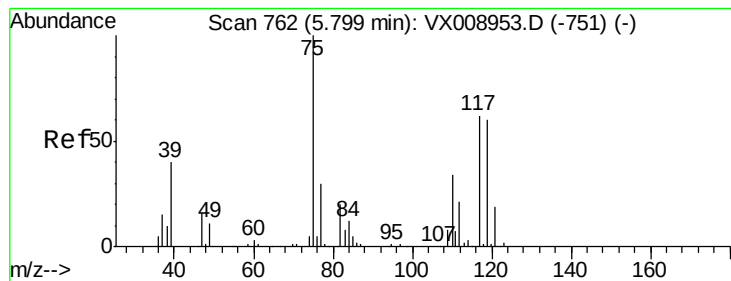


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

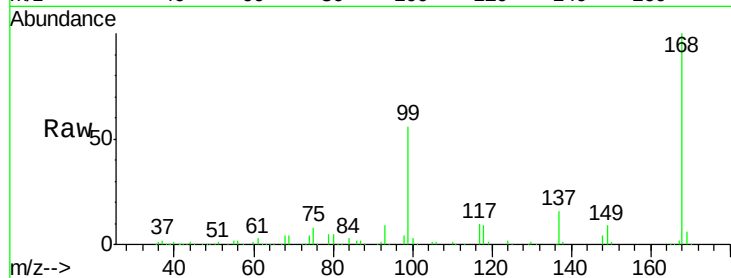
Tot Ion: 75 Resp: 15990

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

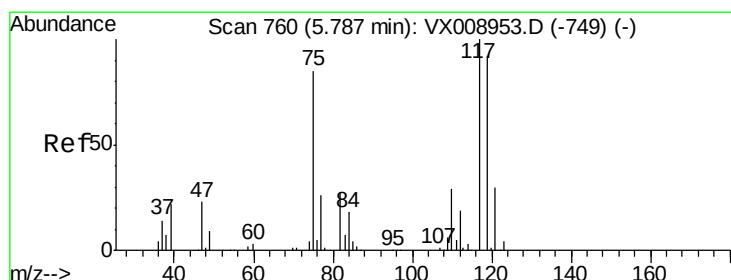
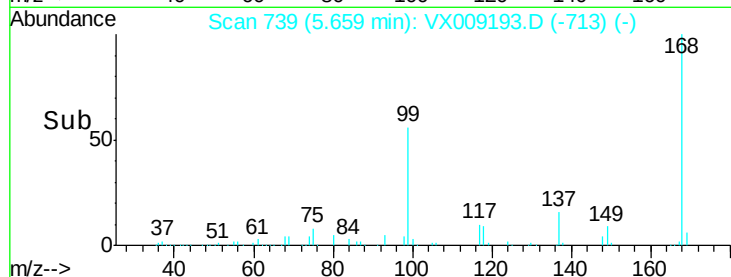
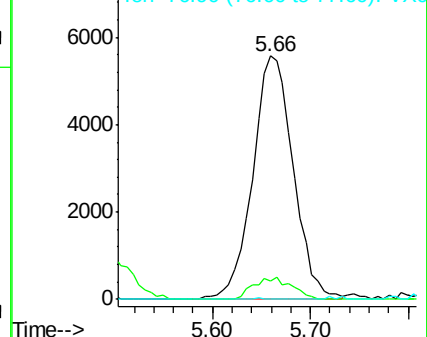
77 0.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX008953.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX008953.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX008953.D (-751) (-)



#38

Carbon Tetrachloride

Concen: 6.651 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

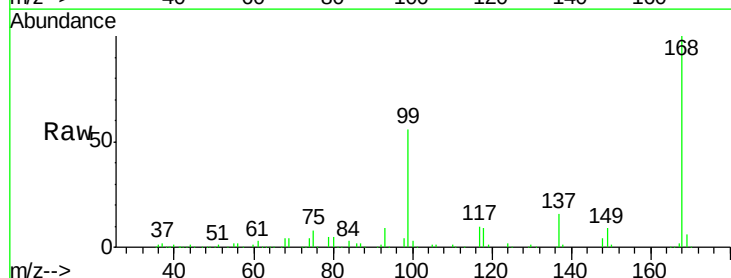
Tgt Ion: 117 Resp: 19202

Ion Ratio Lower Upper

117 100

119 6.4 73.8 110.8#

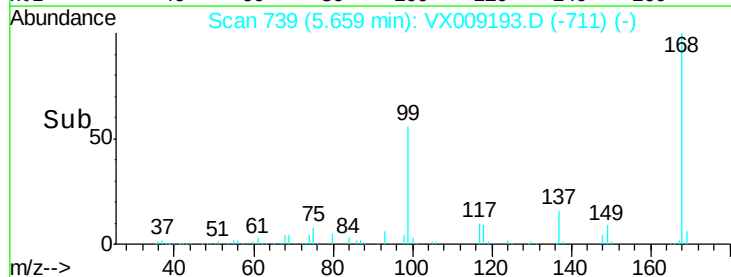
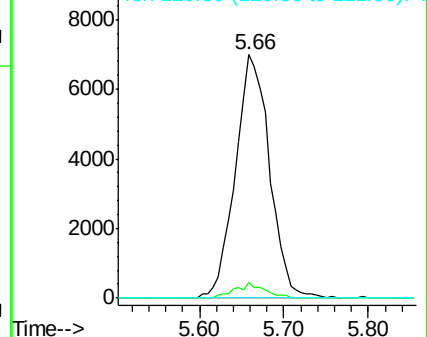
121 0.0 23.6 35.4#

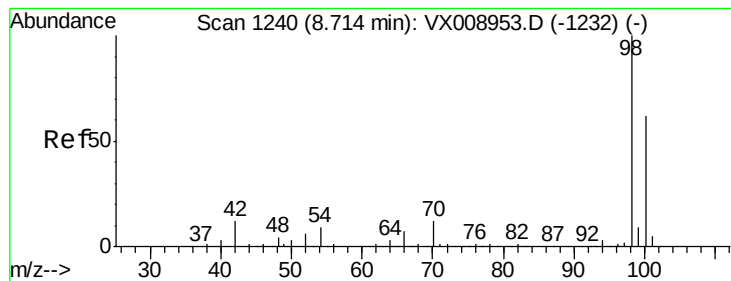


Abundance Ion 116.80 (116.50 to 117.50): VX008953.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX008953.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008953.D (-749) (-)





#50

Toluene-d8

Concen: 48.417 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

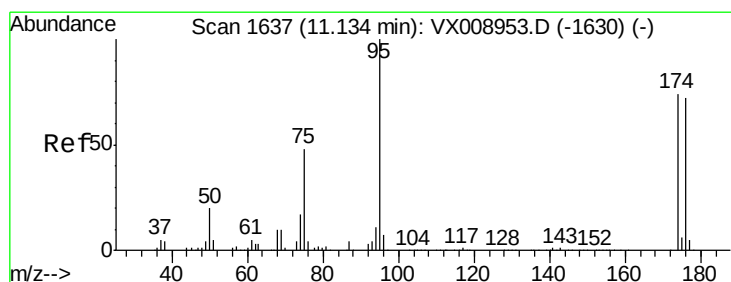
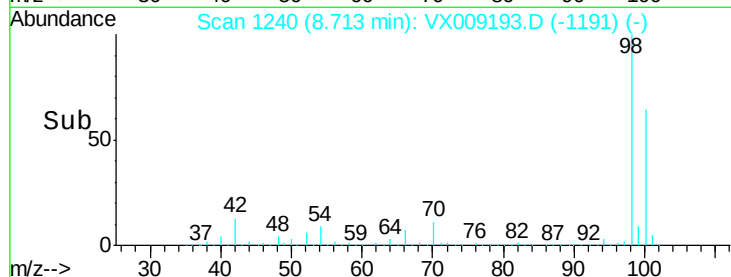
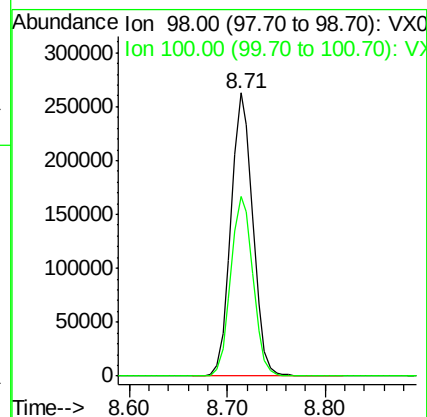
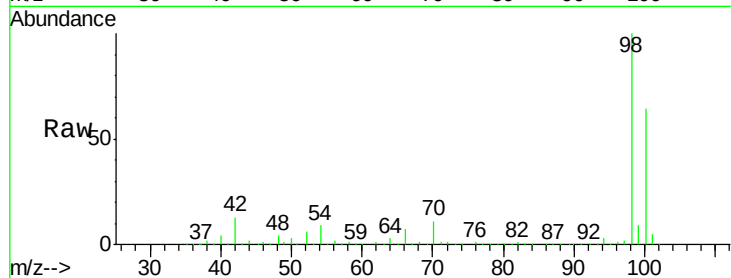
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 408026

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 44.391 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

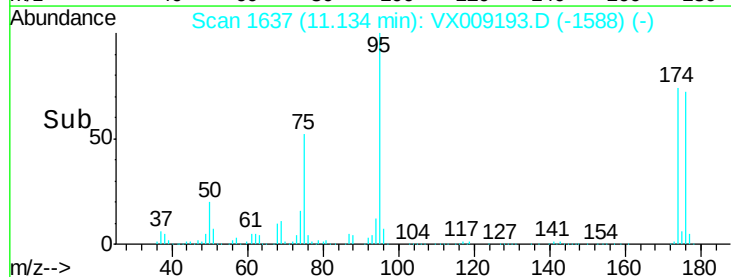
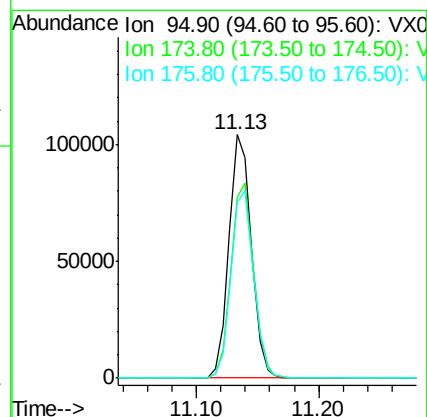
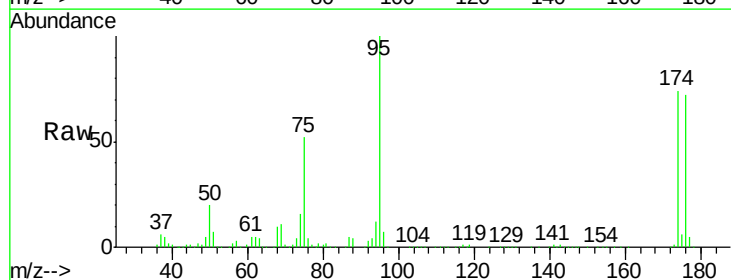
Tgt Ion: 95 Resp: 132057

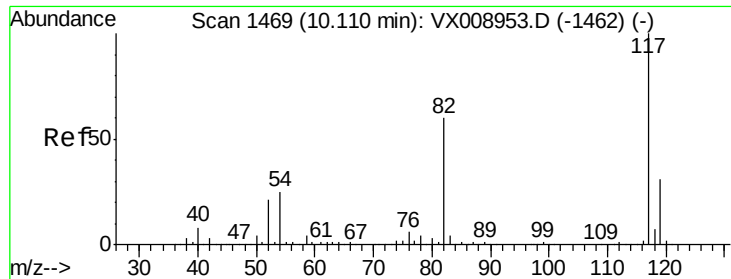
Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.6

176 77.6 0.0 154.8

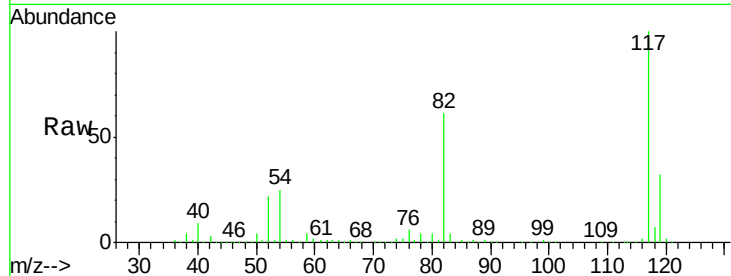




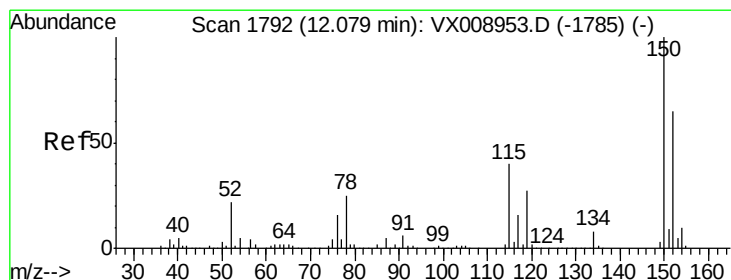
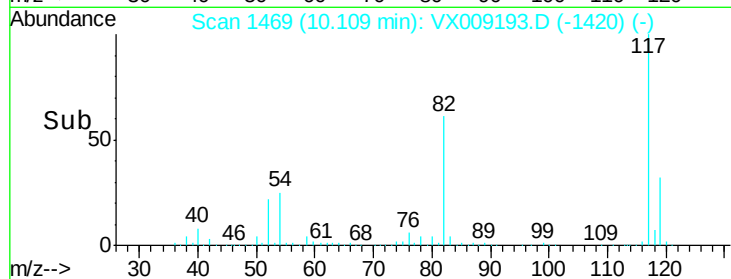
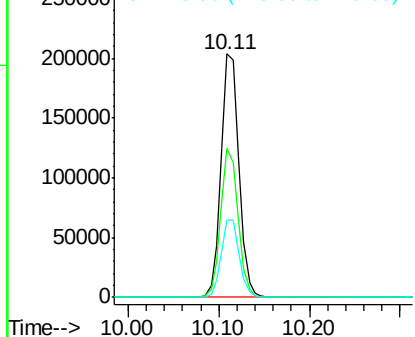
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009193.D
Acq: 26 Apr 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 280292
Ion Ratio Lower Upper
117 100
82 61.4 48.2 72.4
119 31.7 25.0 37.6

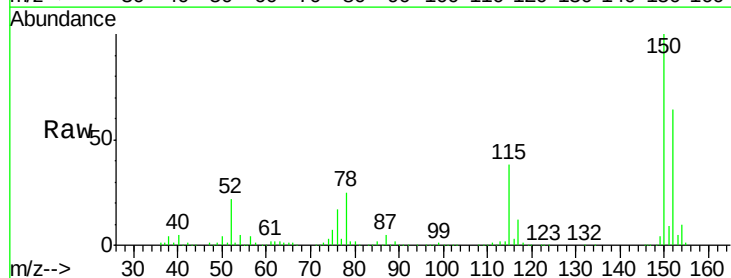


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

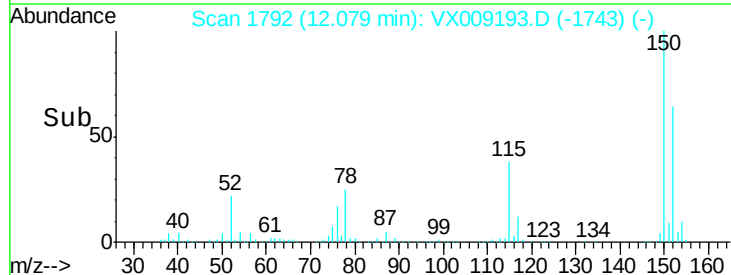
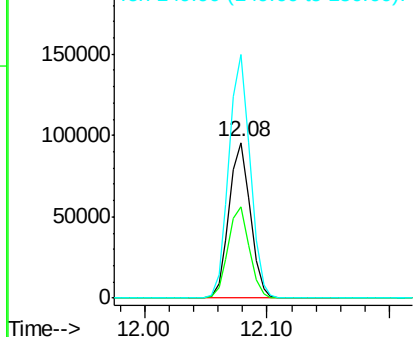


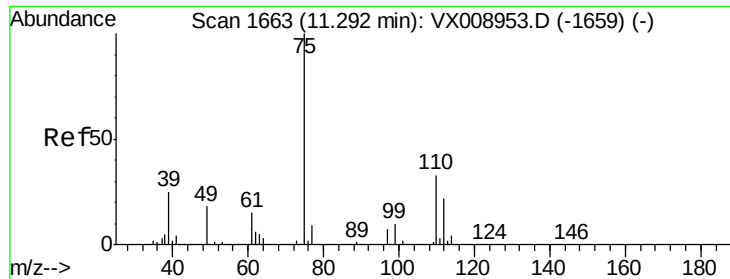
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009193.D
Acq: 26 Apr 2019 16:33

Tgt Ion:152 Resp: 114438
Ion Ratio Lower Upper
152 100
115 59.0 41.4 124.2
150 157.1 0.0 349.8



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: 24.273 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

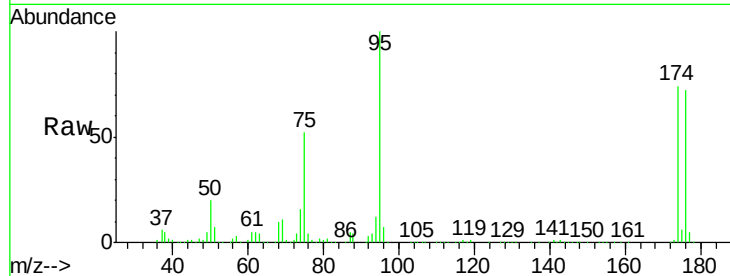
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 67827

Ion Ratio Lower Upper

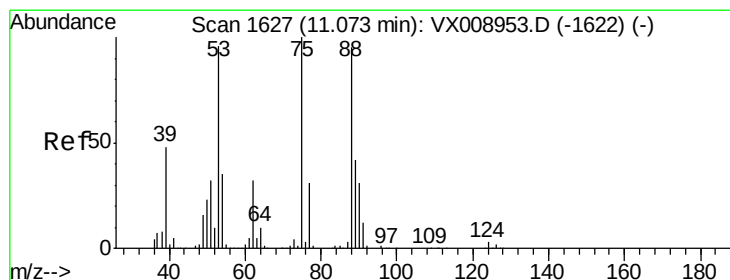
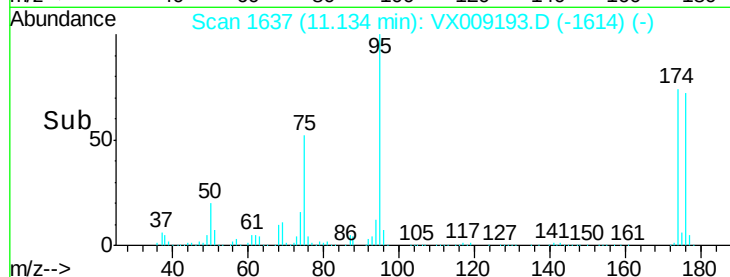
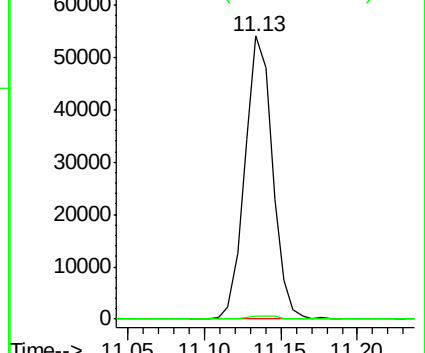
75 100

77 1.3 22.7 68.0#



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: 62.315 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009193.D

Acq: 26 Apr 2019 16:33

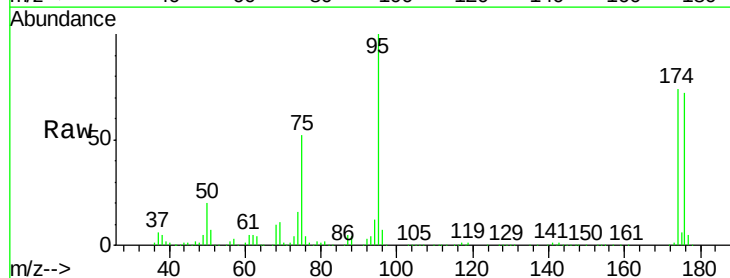
Tgt Ion: 75 Resp: 67827

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#



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

