

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110419\
 Data File : VX013320.D
 Acq On : 04 Nov 2019 12:22
 Operator : JC/SP
 Sample : VX1104WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBL01

Quant Time: Nov 05 00:31:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	786091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1212963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1071560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	500501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	444778	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	5.48	113	363008	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.71	98	1424001	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	480667	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

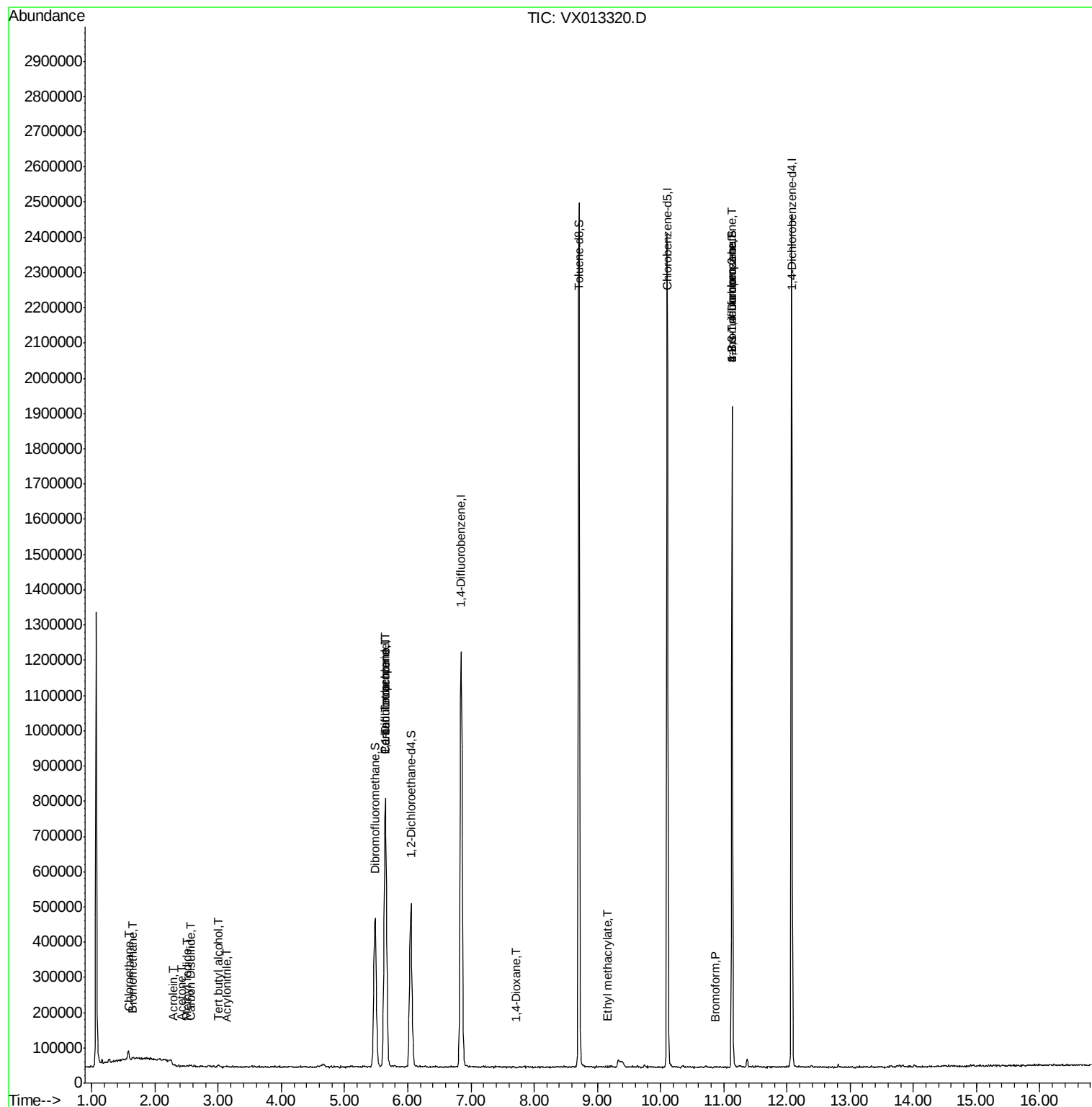
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	3612	0.464	ug/l	92
6) Chloroethane	1.59	64	12387	0.765	ug/l #	56
10) Methyl Iodide	2.50	142	2600	0.285	ug/l #	76
11) Tert butyl alcohol	3.00	59	2811	1.145	ug/l #	73
13) Acrolein	2.30	56	451	0.339	ug/l #	1
15) Acrylonitrile	3.12	53	989	0.216	ug/l #	60
16) Acetone	2.42	43	3193	0.687	ug/l #	88
17) Carbon Disulfide	2.56	76	5636	0.292	ug/l #	88
36) 1,1-Dichloropropene	5.64	75	55743	5.357	ug/l #	51
38) Carbon Tetrachloride	5.64	117	69976	6.877	ug/l #	17
49) 1,4-Dioxane	7.72	88	157	0.686	ug/l #	1
56) Ethyl methacrylate	9.17	69	801	1.618	ug/l	96
71) Bromoform	10.86	173	673	3.288	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	236089	23.224	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	236089	59.777	ug/l #	9

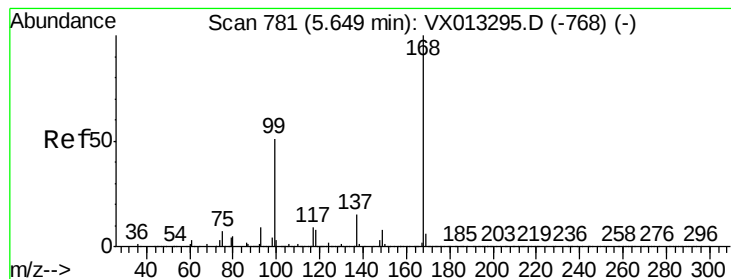
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

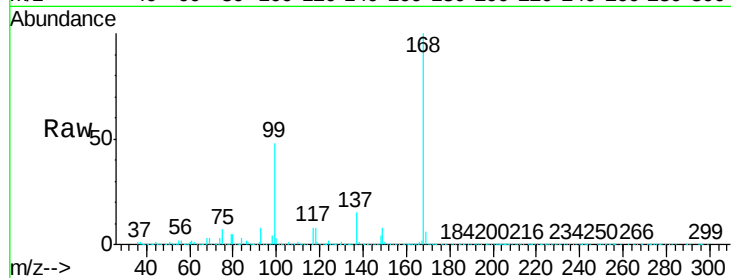
VX1104WBL01

Tgt Ion: 168 Resp: 786091

Ion Ratio Lower Upper

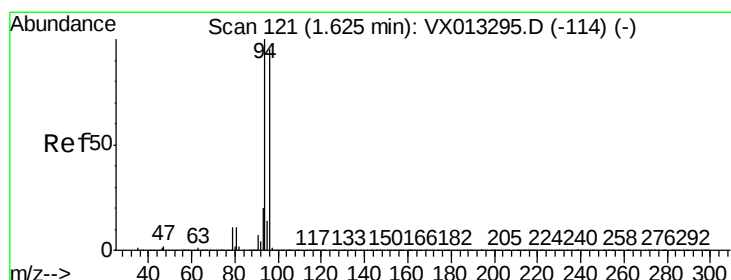
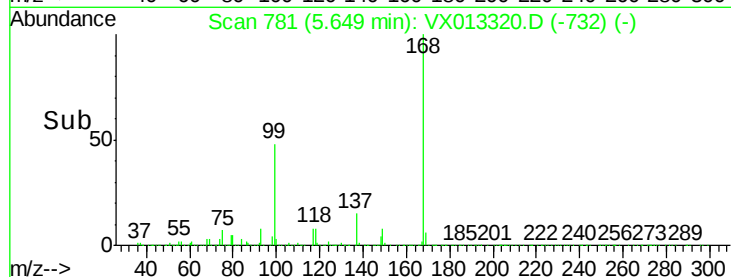
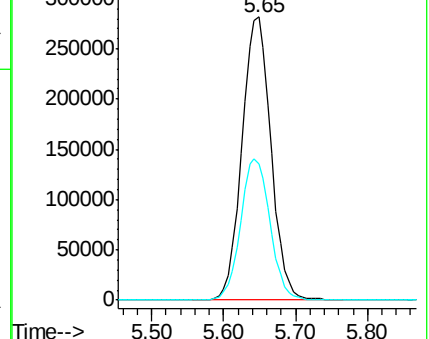
168 100

99 48.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.464 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013320.D

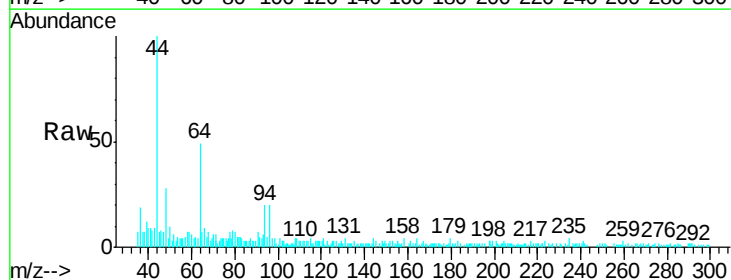
Acq: 04 Nov 2019 12:22

Tgt Ion: 94 Resp: 3612

Ion Ratio Lower Upper

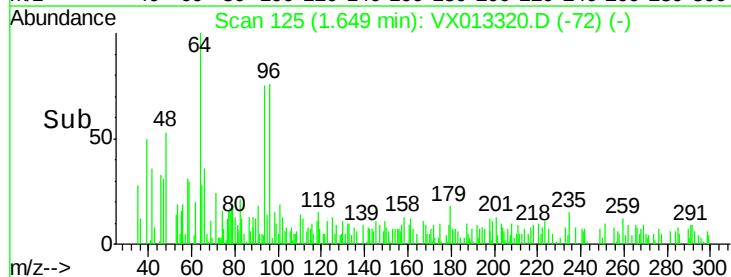
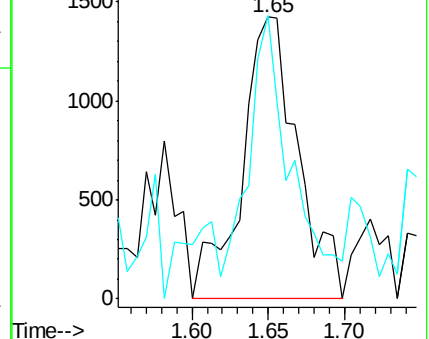
94 100

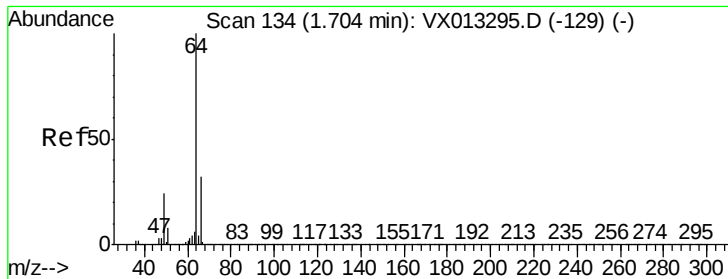
96 87.2 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.765 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.11 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

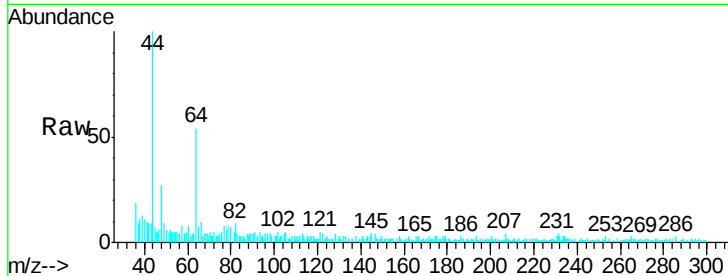
VX1104WBL01

Tgt Ion: 64 Resp: 12387

Ion Ratio Lower Upper

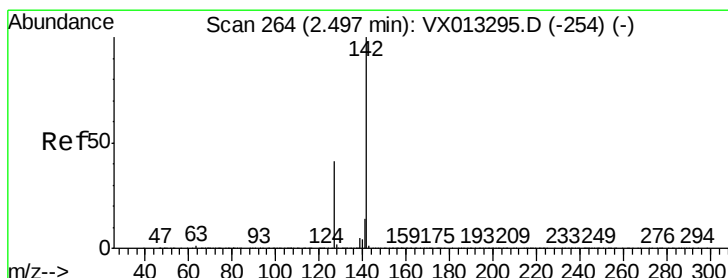
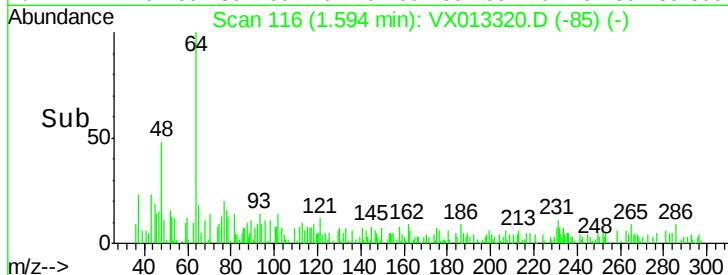
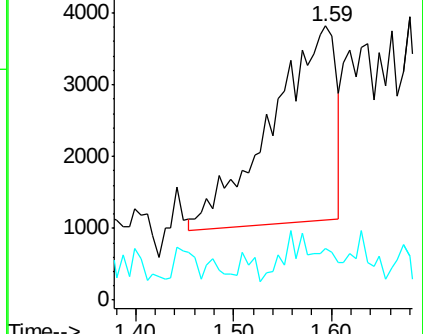
64 100

66 7.6 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.285 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

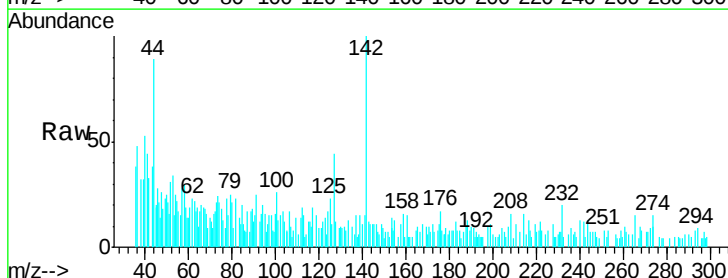
Tgt Ion: 142 Resp: 2600

Ion Ratio Lower Upper

142 100

127 27.0 32.6 49.0#

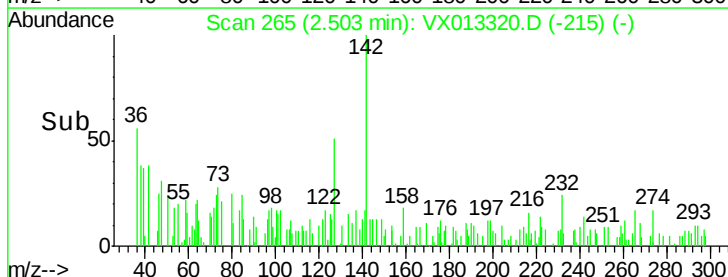
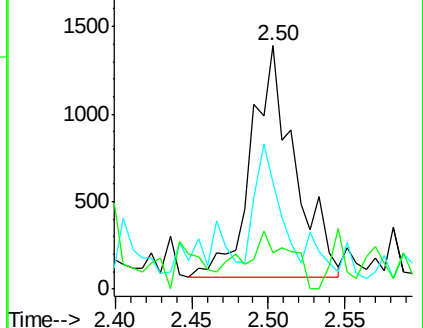
141 26.2 11.6 17.4#

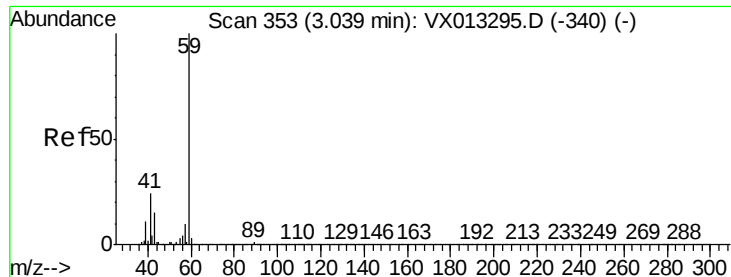


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



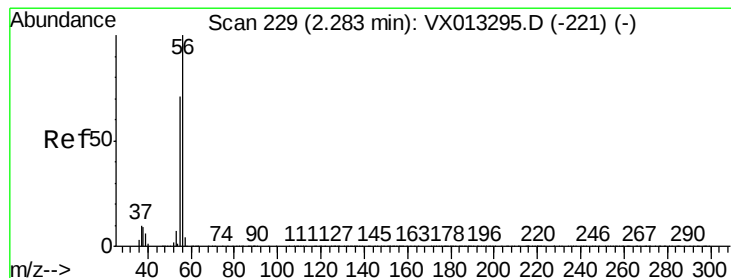
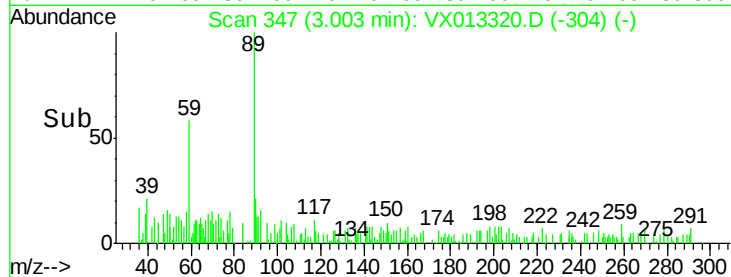
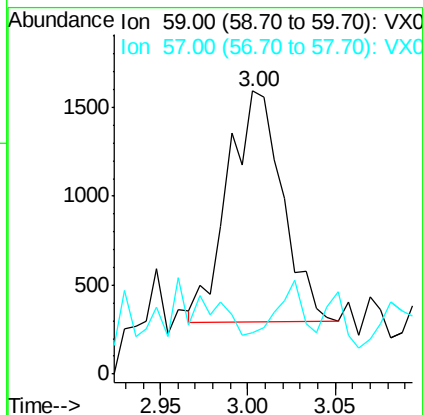
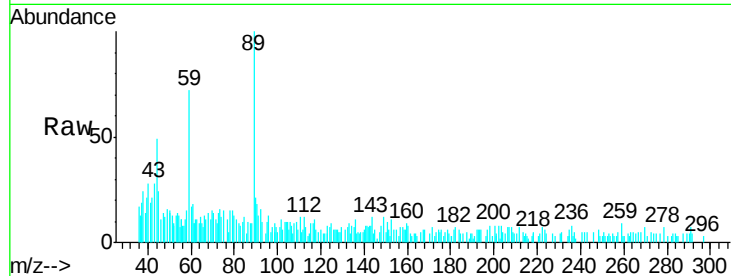


#11

Tert butyl alcohol
 Concen: 1.145 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX013320.D
 Acq: 04 Nov 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBL01

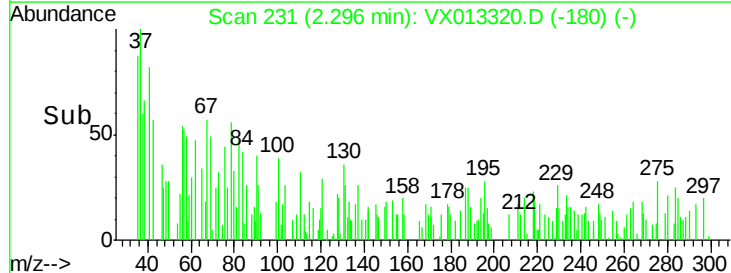
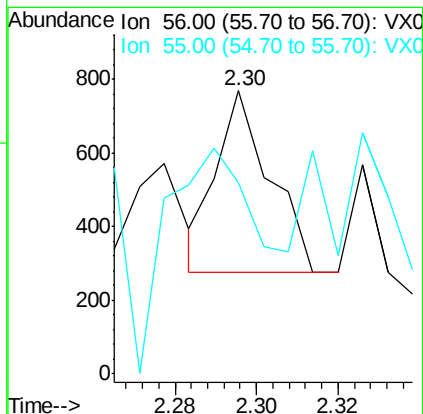
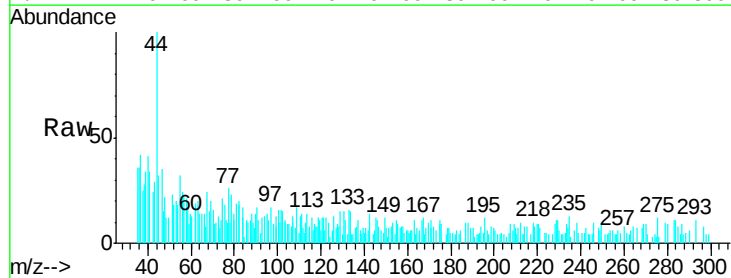
Tgt Ion: 59 Resp: 2811
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

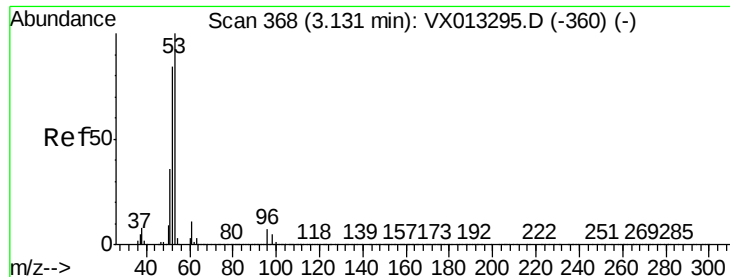


#13

Acrolein
 Concen: 0.339 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX013320.D
 Acq: 04 Nov 2019 12:22

Tgt Ion: 56 Resp: 451
 Ion Ratio Lower Upper
 56 100
 55 227.1 57.4 86.0#





#15

Acrylonitrile

Concen: 0.216 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

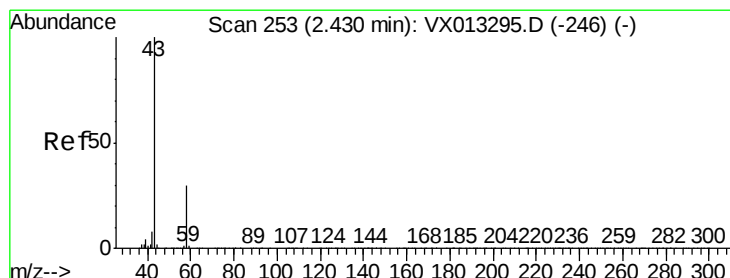
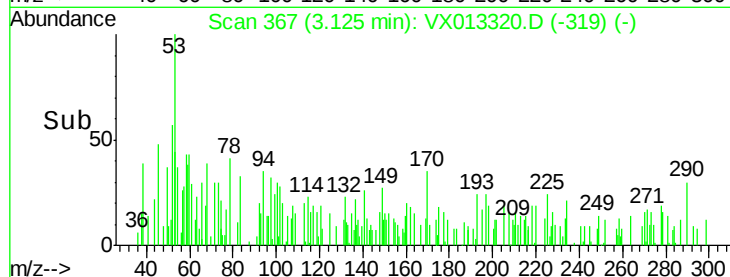
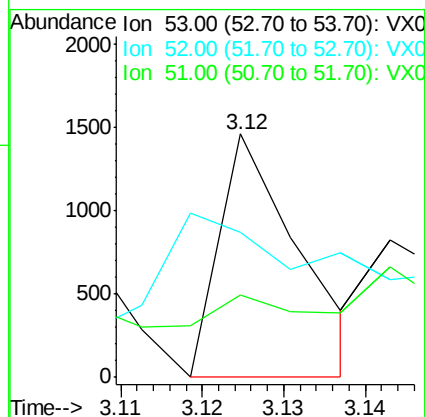
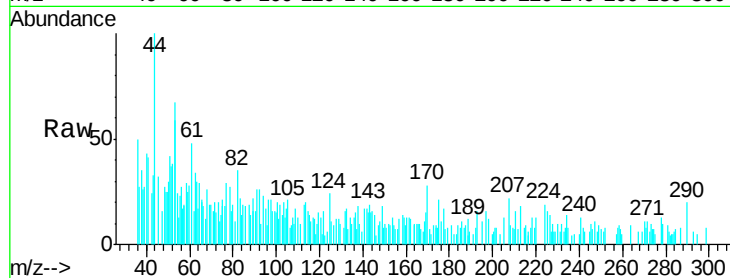
Tgt Ion: 53 Resp: 989

Ion Ratio Lower Upper

53 100

52 111.3 67.4 101.0#

51 0.0 29.4 44.2#



#16

Acetone

Concen: 0.687 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013320.D

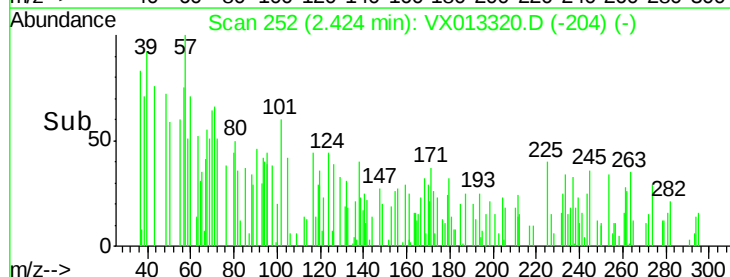
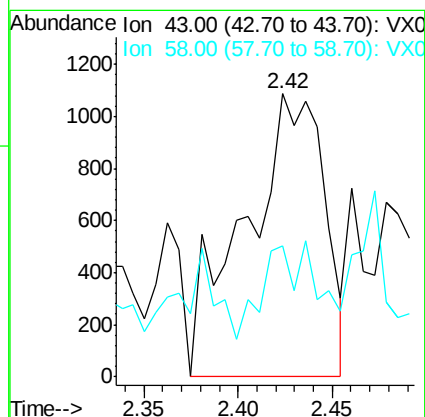
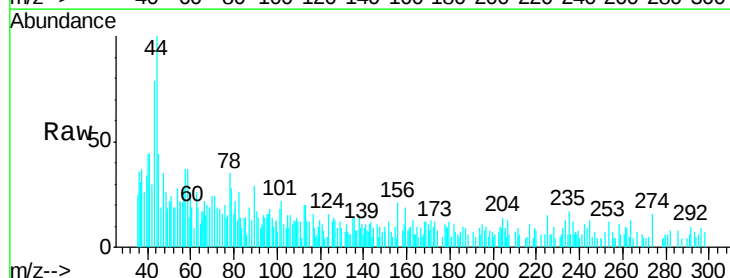
Acq: 04 Nov 2019 12:22

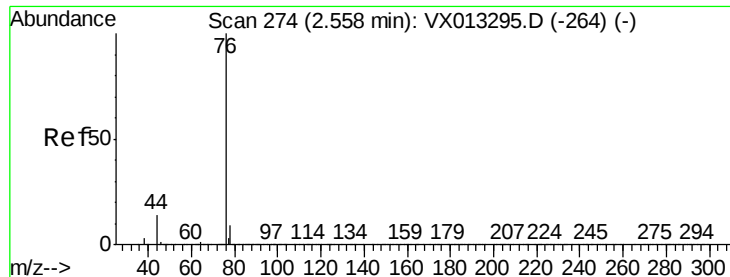
Tgt Ion: 43 Resp: 3193

Ion Ratio Lower Upper

43 100

58 23.9 24.3 36.5#





#17

Carbon Disulfide

Concen: 0.292 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

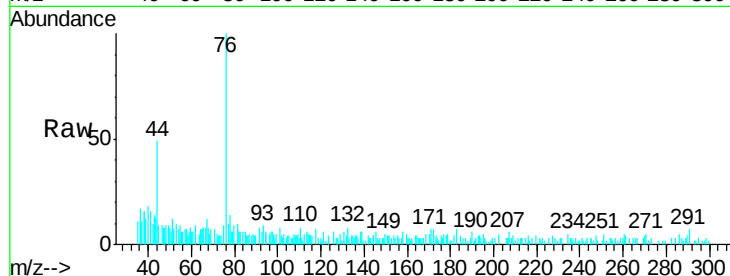
VX1104WBL01

Tgt Ion: 76 Resp: 5636

Ion Ratio Lower Upper

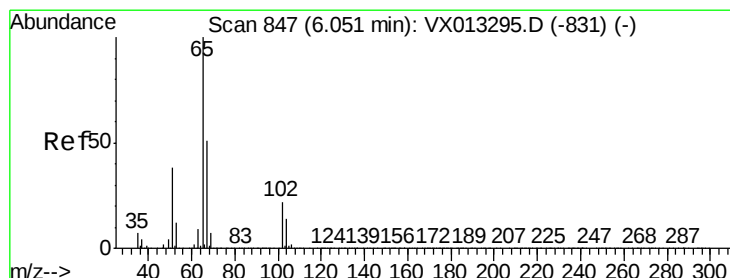
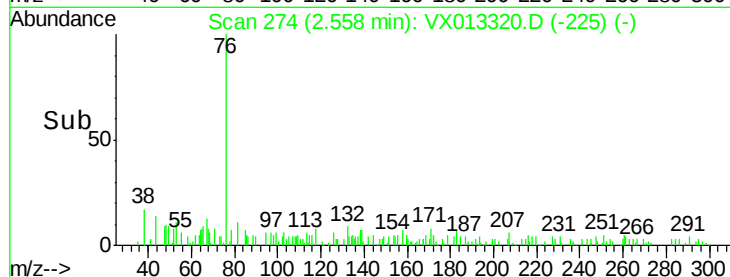
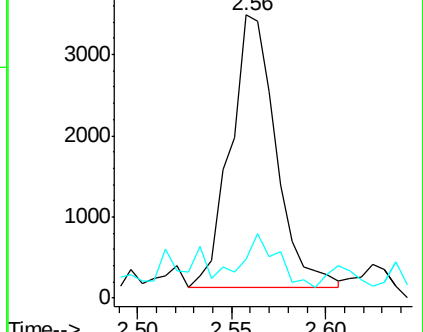
76 100

78 4.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.760 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013320.D

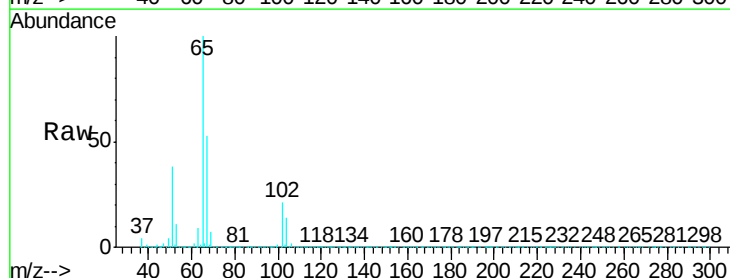
Acq: 04 Nov 2019 12:22

Tgt Ion: 65 Resp: 444778

Ion Ratio Lower Upper

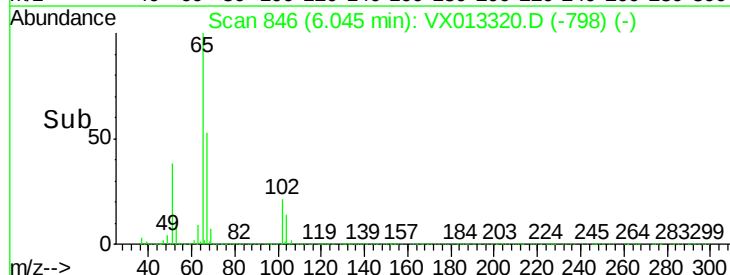
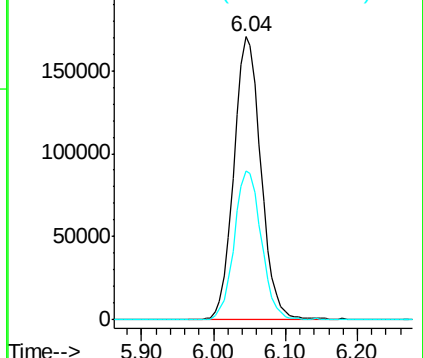
65 100

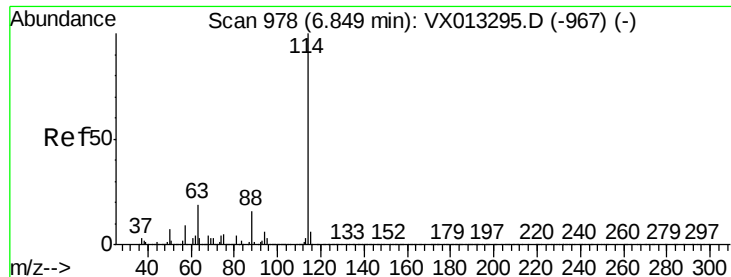
67 52.3 0.0 104.2



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: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

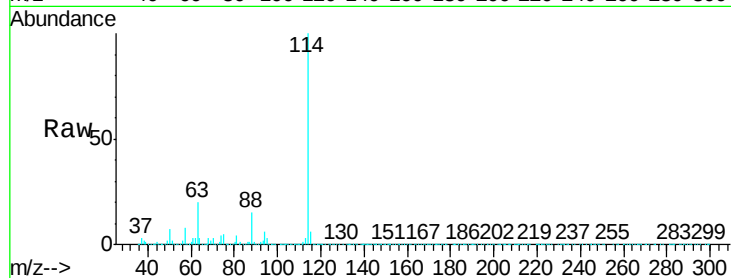
Tgt Ion:114 Resp: 1212963

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

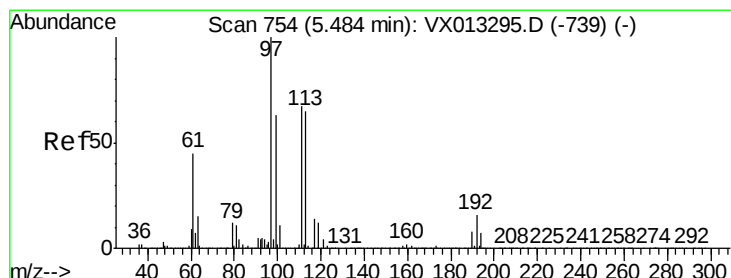
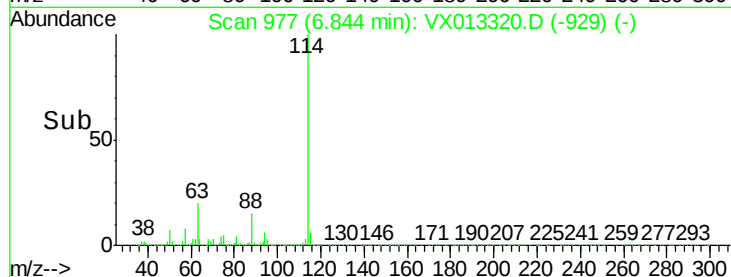
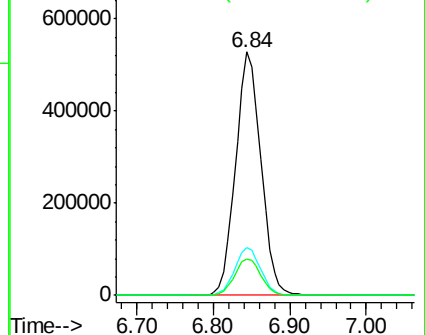
88 14.9 0.0 32.2



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: 47.715 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

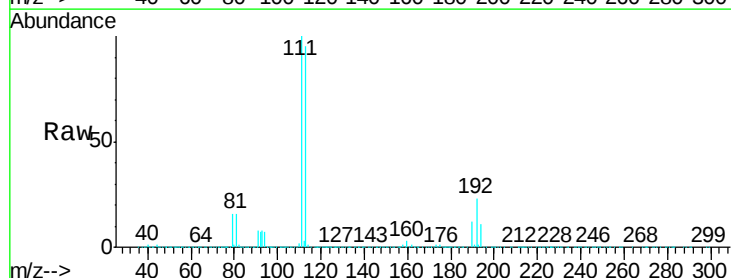
Tgt Ion:113 Resp: 363008

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

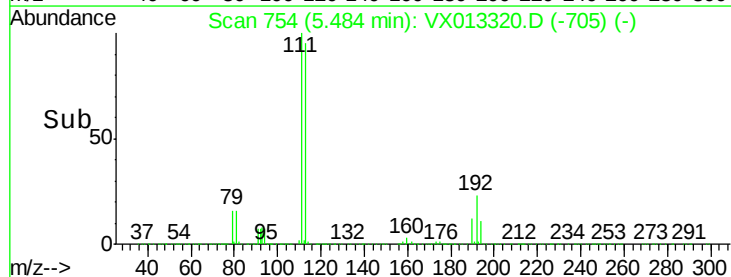
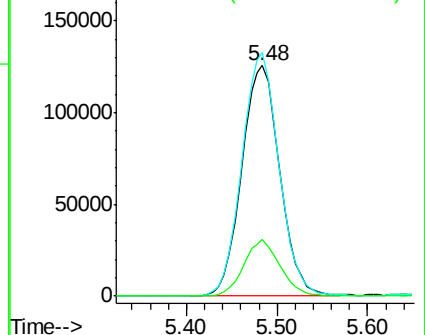
192 23.4 19.1 28.7

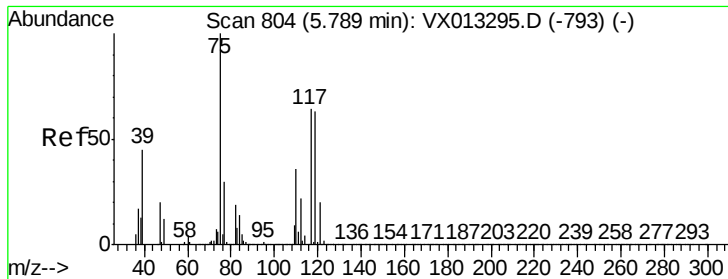


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.357 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

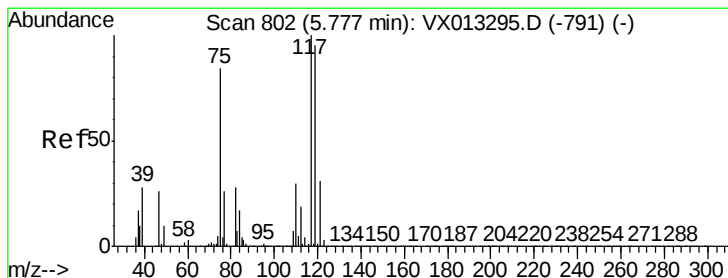
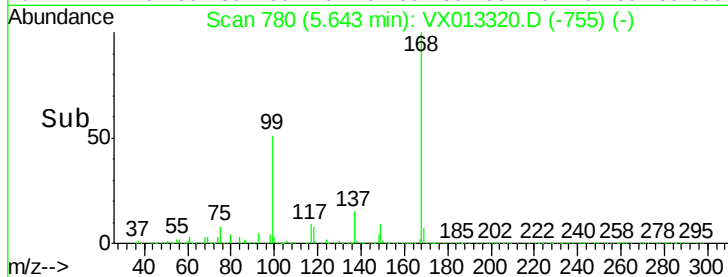
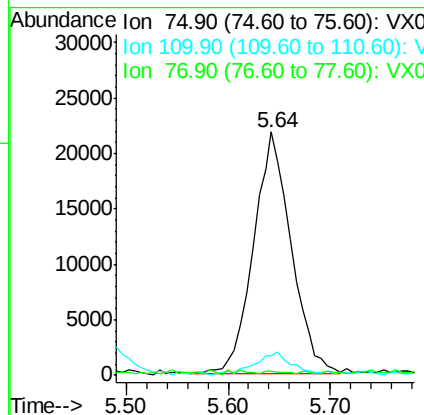
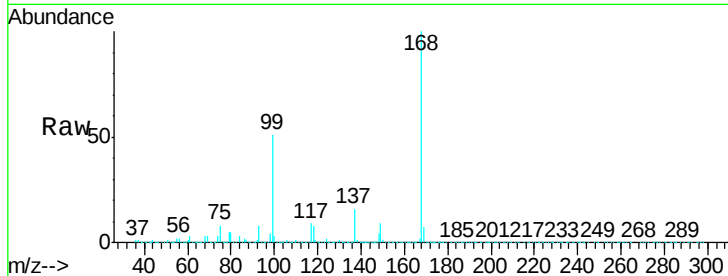
Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

Tgt Ion:	75	Resp:	55743
Ion Ratio	Lower	Upper	
75	100		
110	10.9	18.1	54.1#
77	0.5	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.877 ug/l

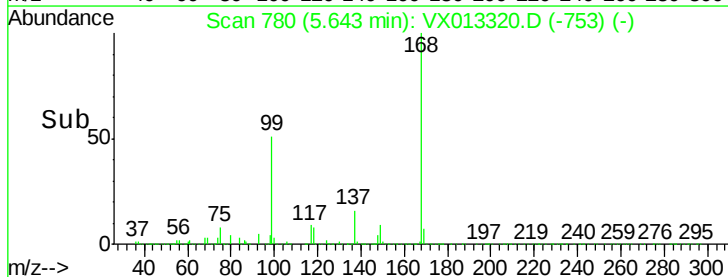
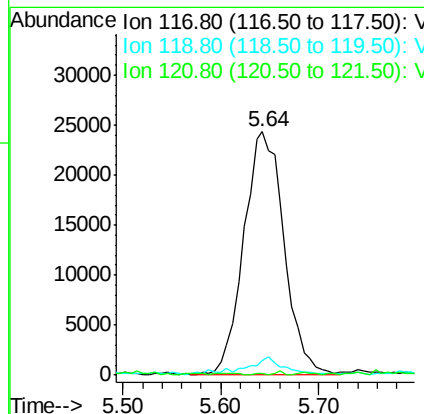
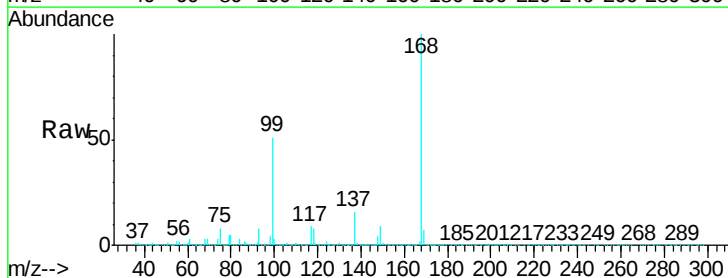
RT: 5.64 min Scan# 780

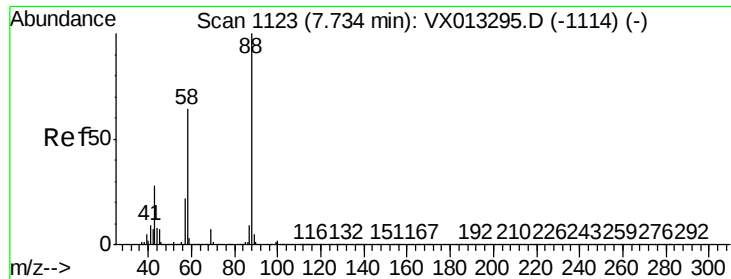
Delta R.T. -0.13 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Tgt Ion:	117	Resp:	69976
Ion Ratio	Lower	Upper	
117	100		
119	5.2	76.1	114.1#
121	0.5	24.6	37.0#

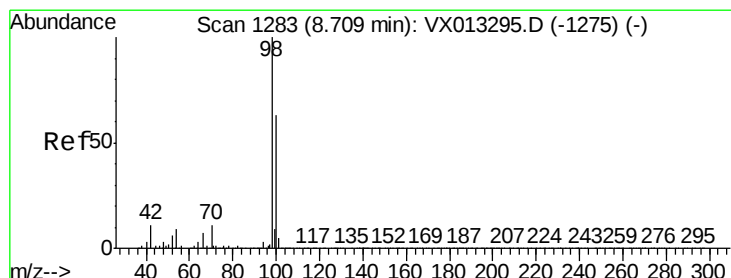
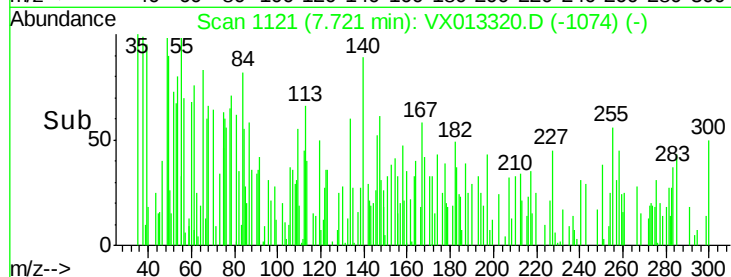
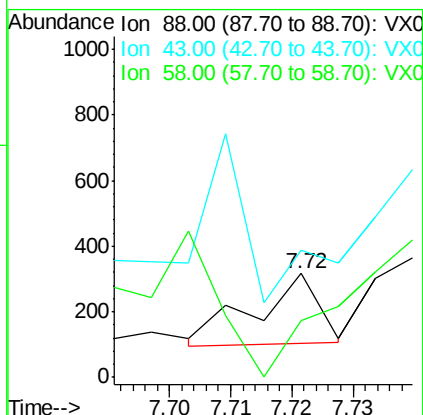
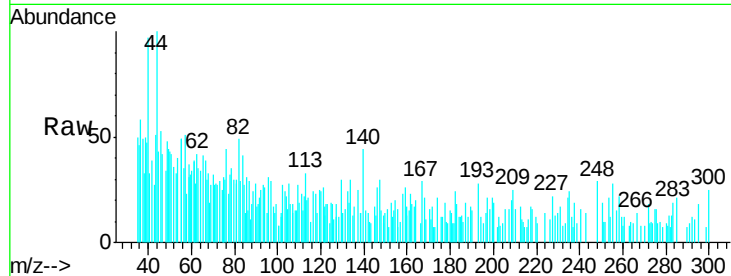




#49
1,4-Dioxane
Concen: 0.686 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX013320.D
Acq: 04 Nov 2019 12:22

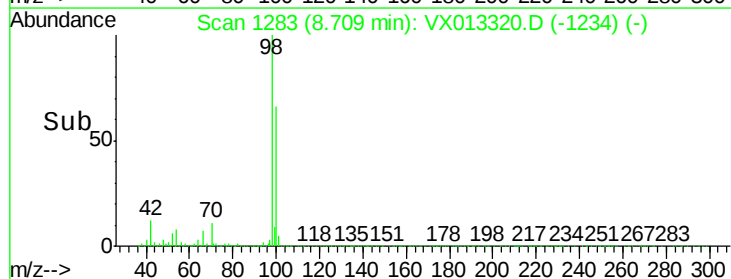
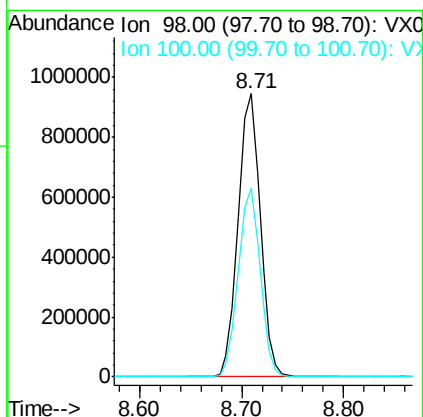
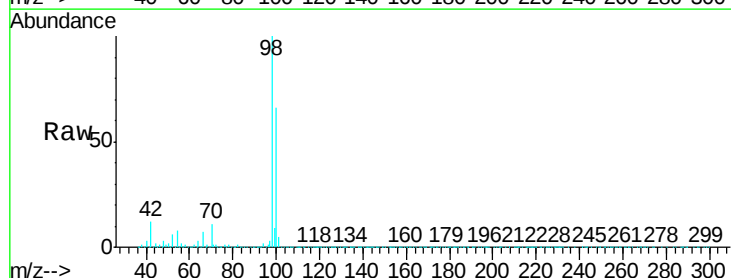
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBL01

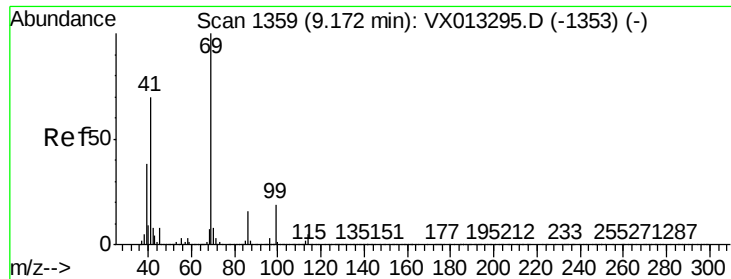
Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 122.9 26.6 39.8#
58 0.0 55.0 82.6#



#50
Toluene-d8
Concen: 49.650 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013320.D
Acq: 04 Nov 2019 12:22

Tgt Ion: 98 Resp: 1424001
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.618 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

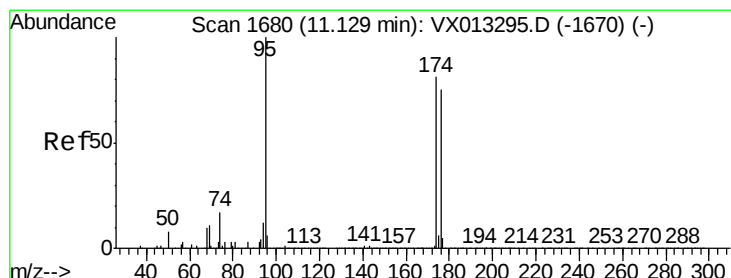
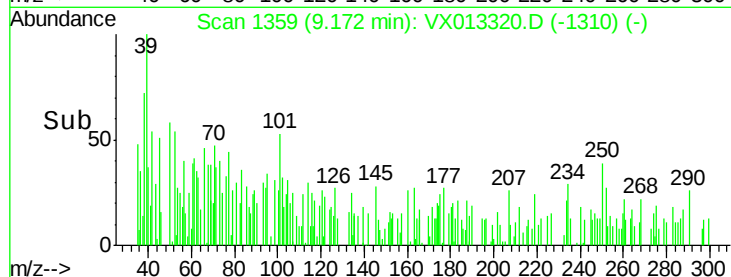
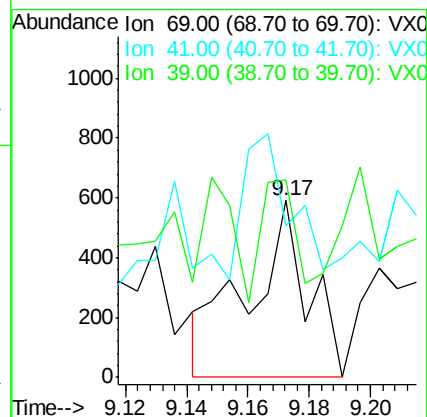
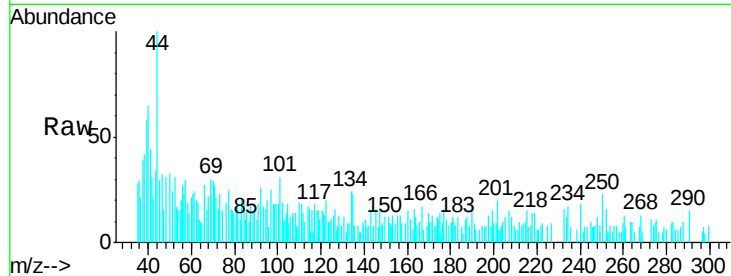
Tgt Ion: 69 Resp: 801

Ion Ratio Lower Upper

69 100

41 66.8 56.2 84.2

39 40.4 31.1 46.7



#62

4-Bromofluorobenzene

Concen: 46.436 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

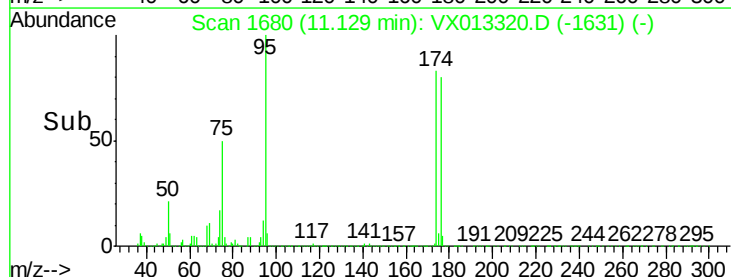
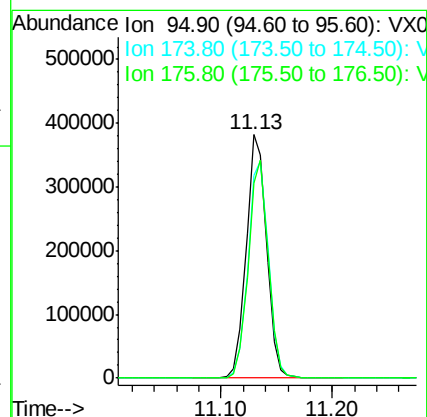
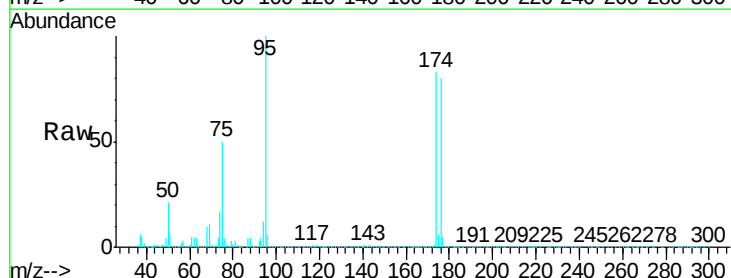
Tgt Ion: 95 Resp: 480667

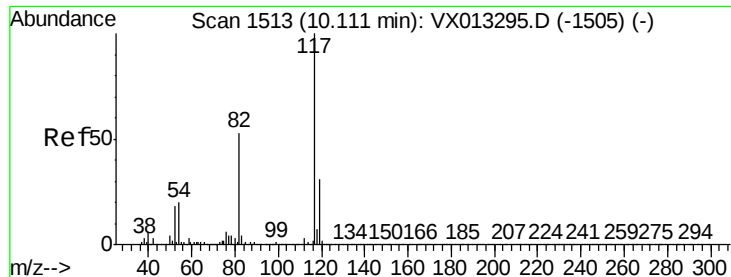
Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

176 88.3 0.0 173.0

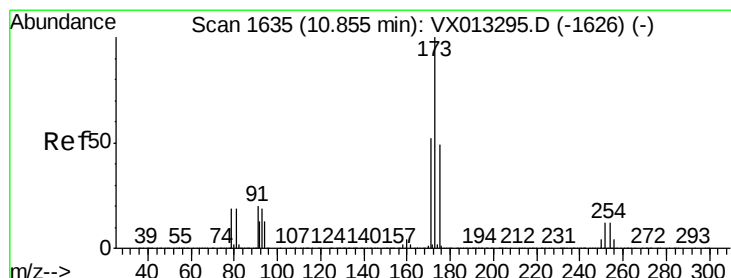
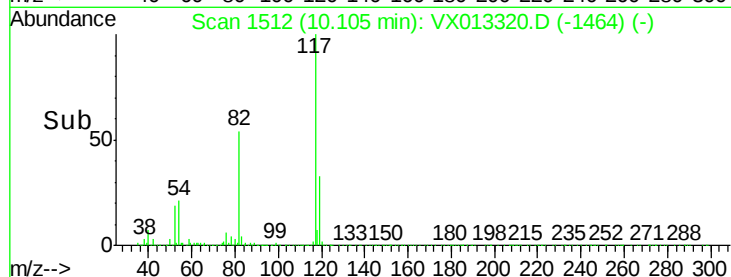
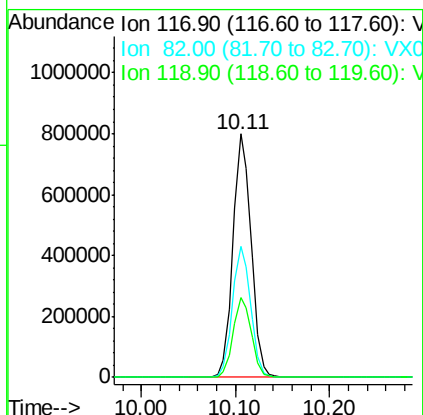
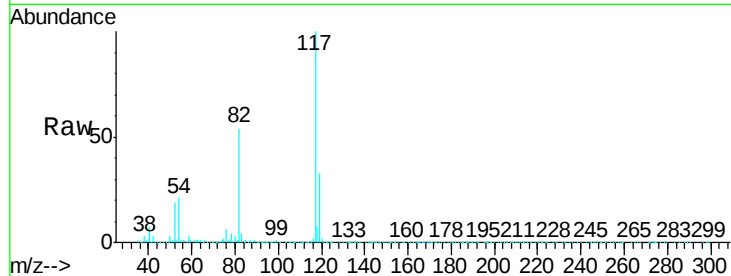




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013320.D
Acq: 04 Nov 2019 12:22

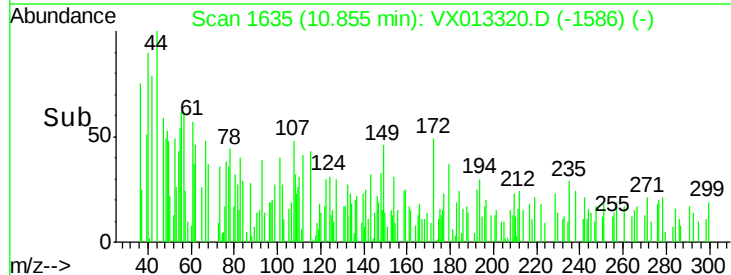
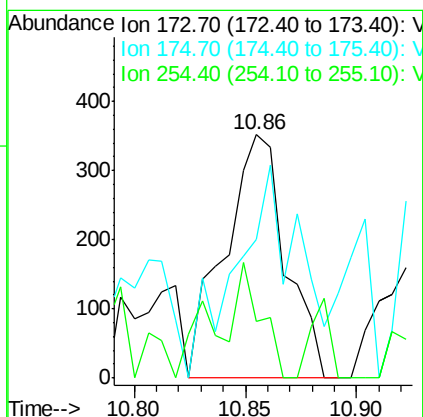
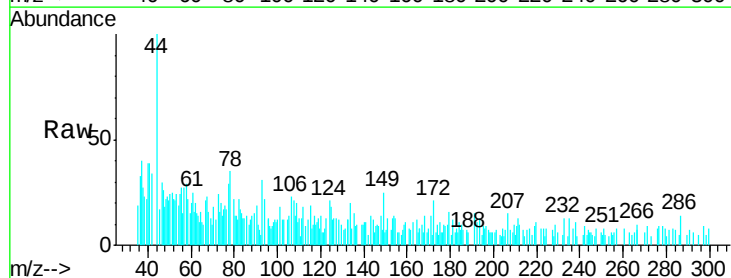
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBL01

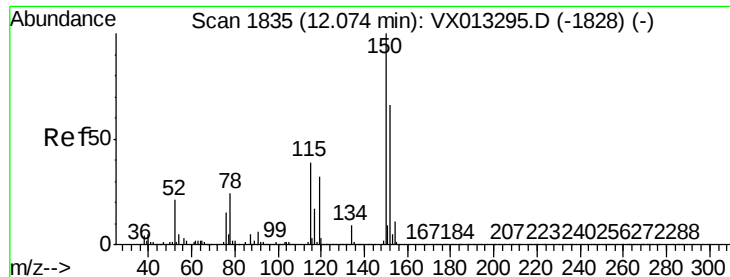
Tgt Ion:117 Resp: 1071560
Ion Ratio Lower Upper
117 100
82 53.8 42.6 64.0
119 32.9 24.8 37.2



#71
Bromoform
Concen: 3.288 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013320.D
Acq: 04 Nov 2019 12:22

Tgt Ion:173 Resp: 673
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 18.3 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampled :

VX1104WBL01

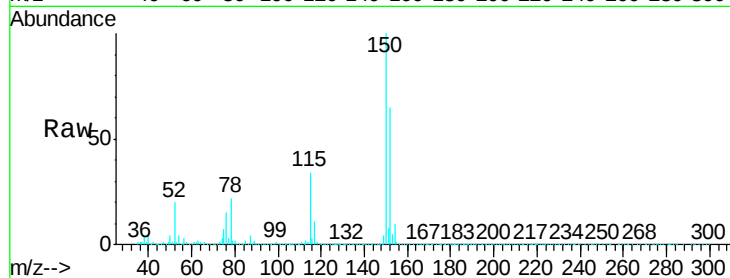
Tgt Ion: 152 Resp: 500501

Ion Ratio Lower Upper

152 100

115 54.6 39.5 118.3

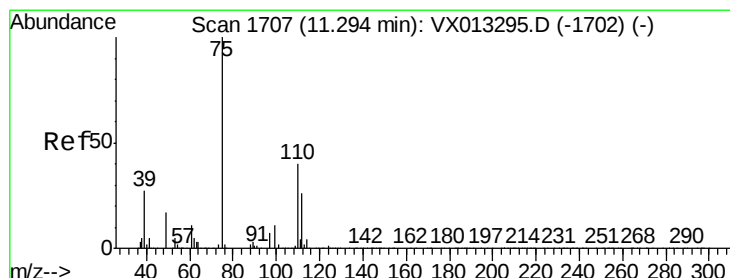
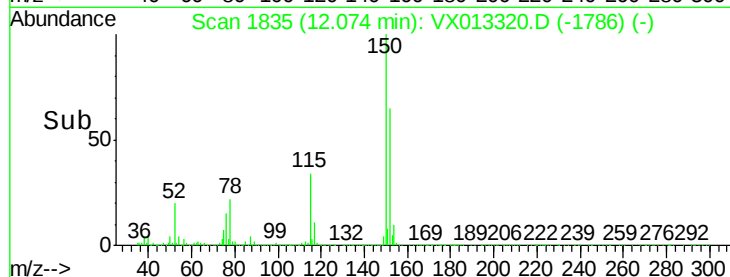
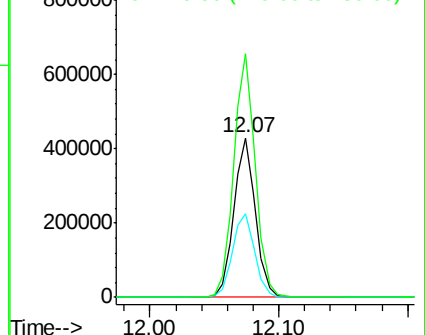
150 153.5 0.0 344.4



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



#76

1,2,3-Trichloropropane

Concen: 23.224 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013320.D

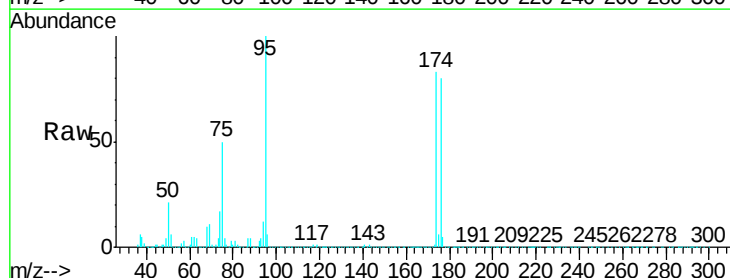
Acq: 04 Nov 2019 12:22

Tgt Ion: 75 Resp: 236089

Ion Ratio Lower Upper

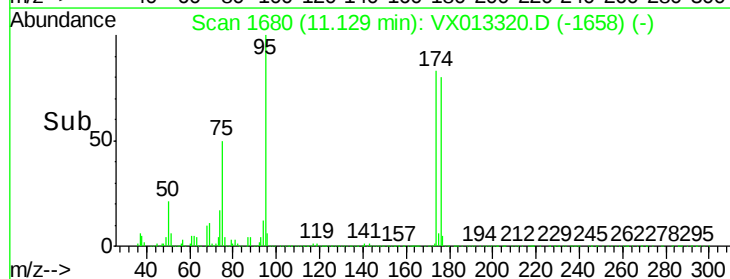
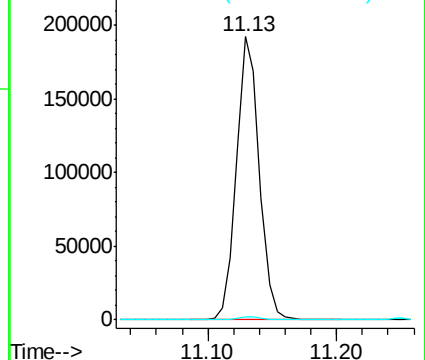
75 100

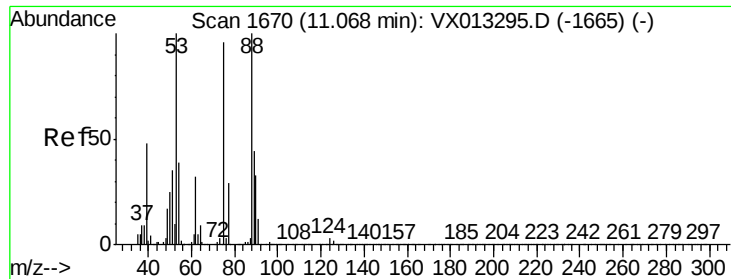
77 1.4 22.3 66.8#



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: 59.777 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013320.D

Acq: 04 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBL01

Tgt Ion: 75 Resp: 236089

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 36.0 54.0#

