

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111919\
 Data File : VX013459.D
 Acq On : 19 Nov 2019 12:21
 Operator : JC/SP
 Sample : K5909-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 19 16:13:38 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	682783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1104767	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	976927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	422729	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	404021	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	5.49	113	337027	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	8.71	98	1325475	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.14	95	427776	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

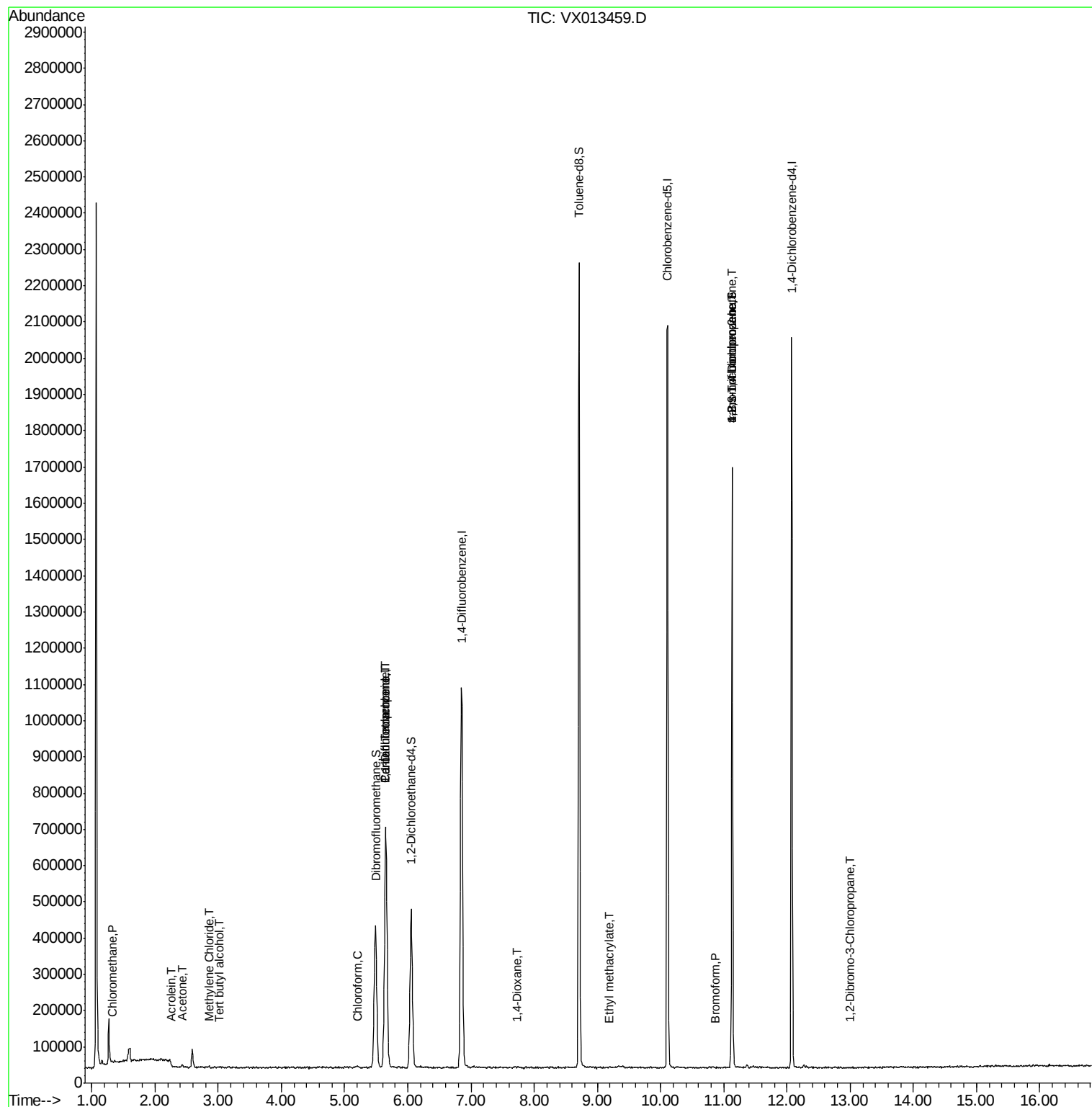
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2725	0.319	ug/l	92
6) Chloroethane	1.66	64	1144	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	3598	1.688	ug/l #	87
13) Acrolein	2.27	56	711	0.615	ug/l #	14
16) Acetone	2.43	43	10160	2.518	ug/l	89
20) Methylene Chloride	2.85	84	2119	0.284	ug/l #	67
30) Chloroform	5.21	83	8235	0.679	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	45595	4.811	ug/l #	52
38) Carbon Tetrachloride	5.65	117	60232	6.499	ug/l #	16
49) 1,4-Dioxane	7.73	88	525	2.518	ug/l #	62
56) Ethyl methacrylate	9.18	69	387	1.592	ug/l #	22
71) Bromoform	10.85	173	368	3.254	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	210489	24.515	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	210489	63.101	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.99	75	767	0.308	ug/l #	9

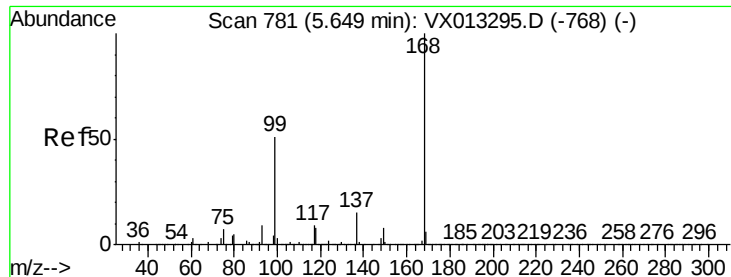
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

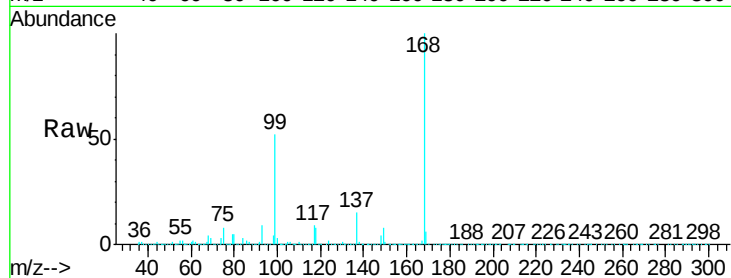
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:168 Resp: 682783

Ion Ratio Lower Upper

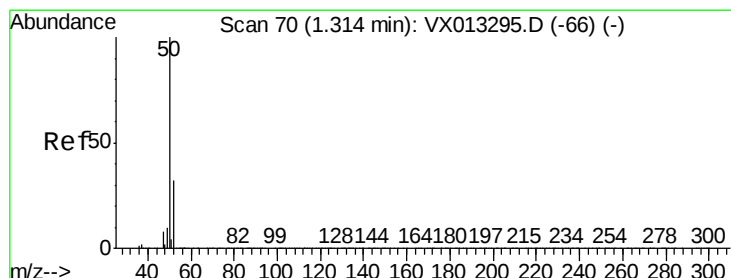
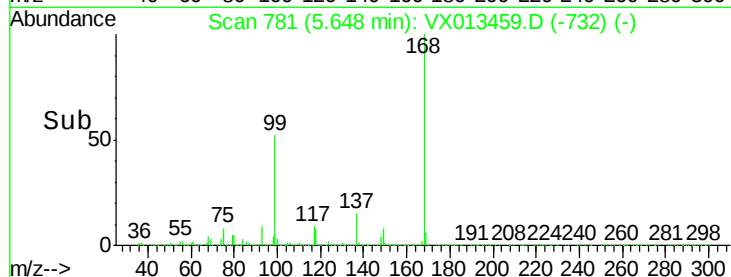
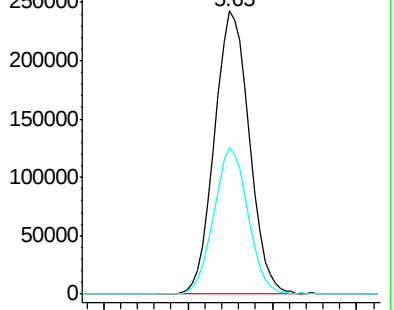
168 100

99 51.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013459.D

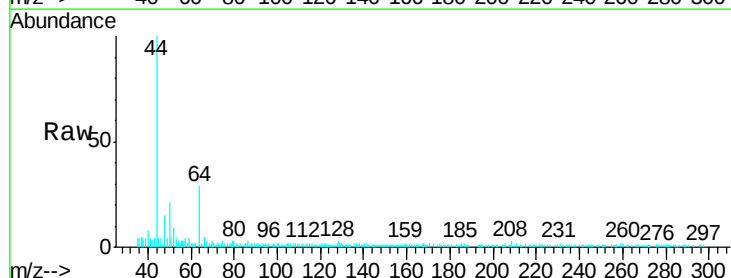
Acq: 19 Nov 2019 12:21

Tgt Ion: 50 Resp: 2725

Ion Ratio Lower Upper

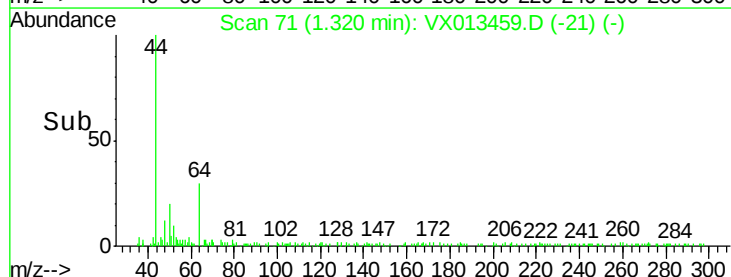
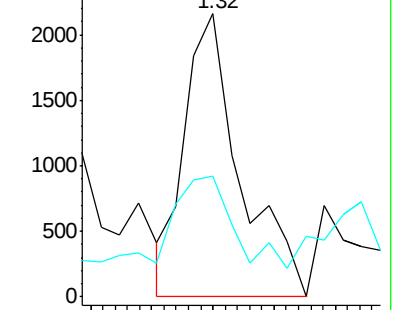
50 100

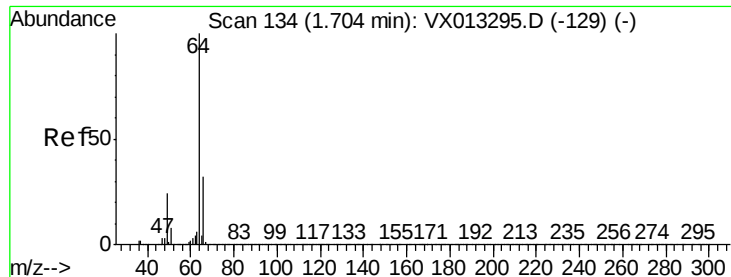
52 36.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

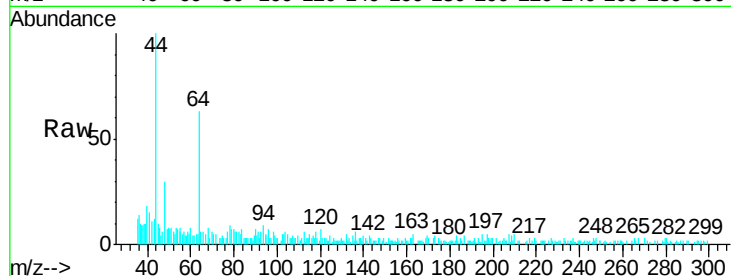
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 64 Resp: 1144

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

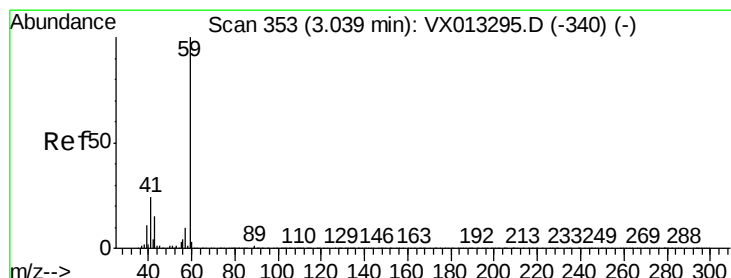
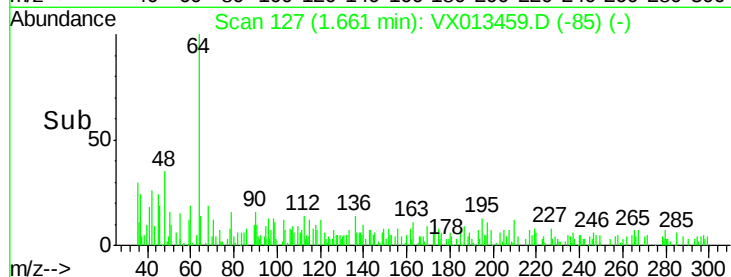
3000

2000

1000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.688 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX013459.D

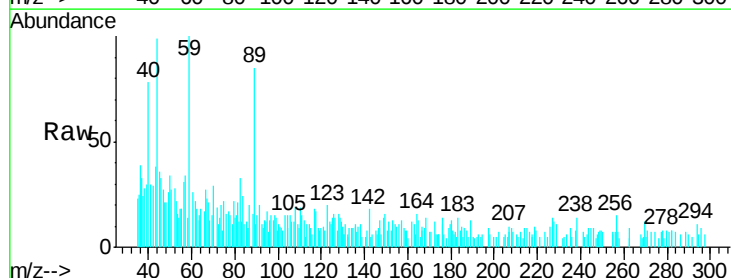
Acq: 19 Nov 2019 12:21

Tgt Ion: 59 Resp: 3598

Ion Ratio Lower Upper

59 100

57 14.8 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

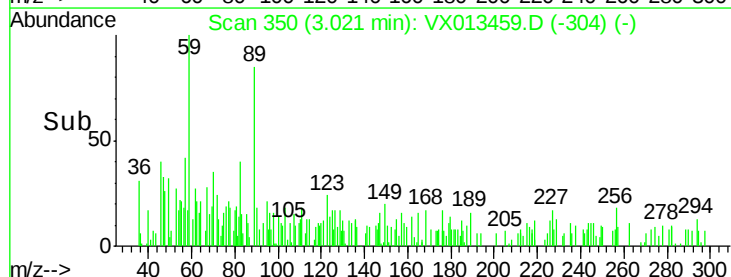
3.02

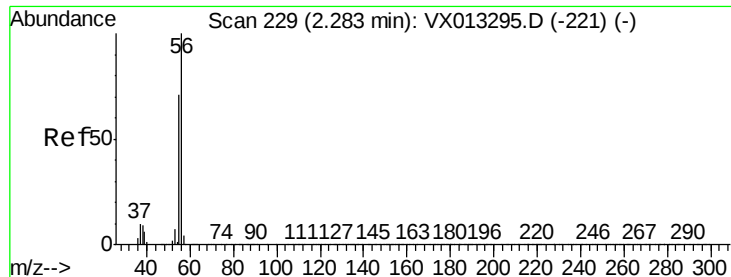
1000

500

0

Time-->

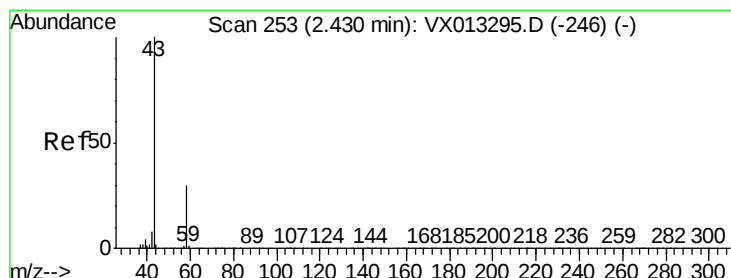
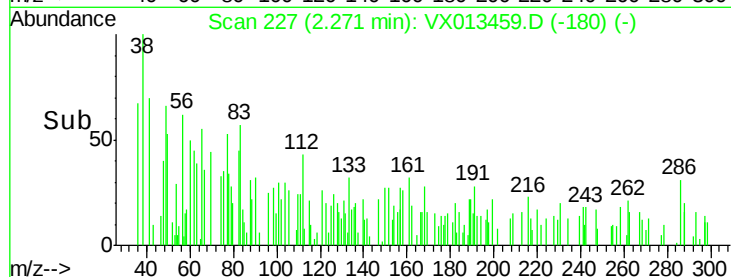
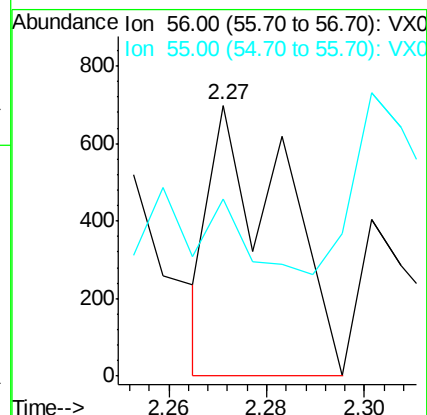
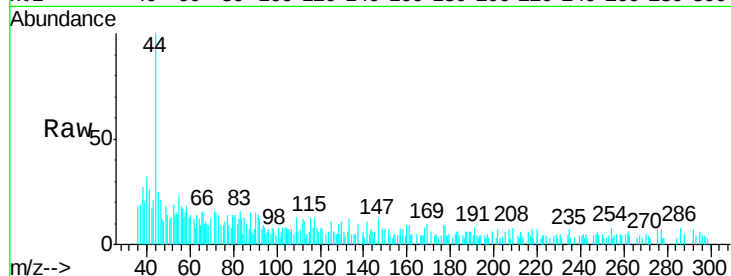




#13
Acrolein
Concen: 0.615 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013459.D
Acq: 19 Nov 2019 12:21

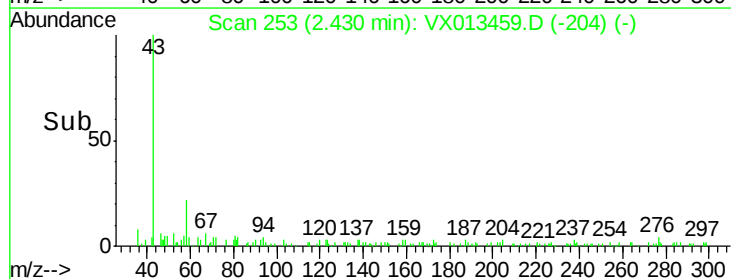
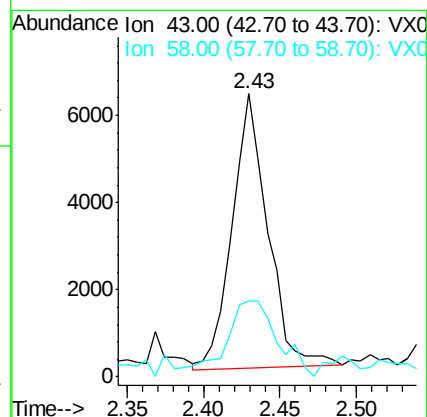
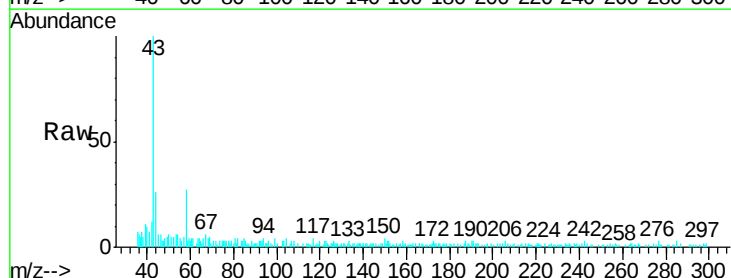
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

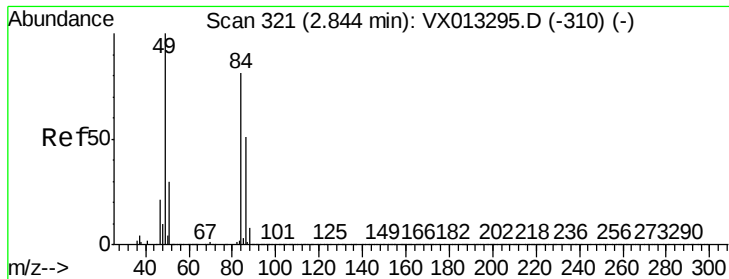
Tgt Ion: 56 Resp: 711
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 2.518 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013459.D
Acq: 19 Nov 2019 12:21

Tgt Ion: 43 Resp: 10160
Ion Ratio Lower Upper
43 100
58 24.3 24.3 36.5

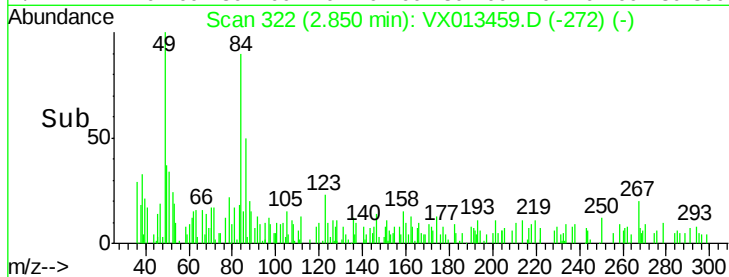
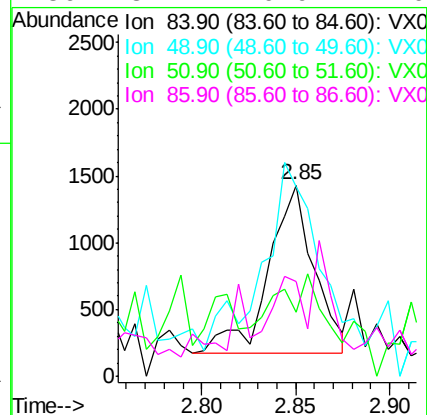
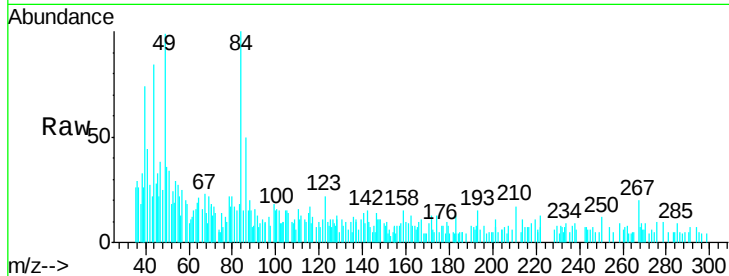




#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013459.D
Acq: 19 Nov 2019 12:21

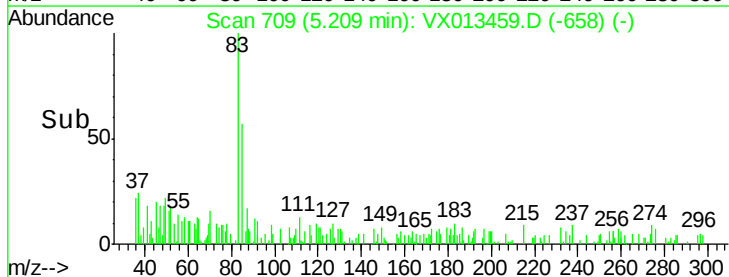
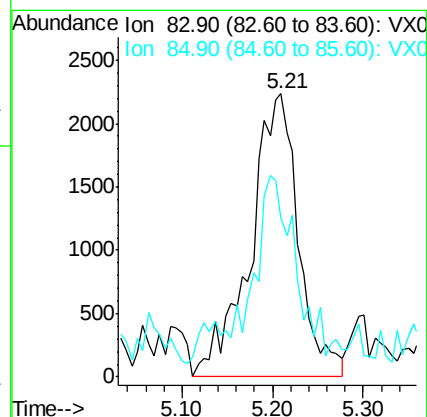
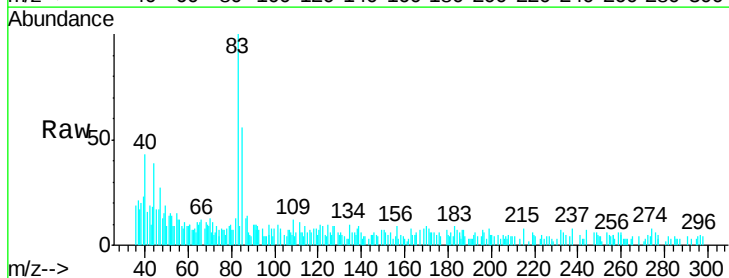
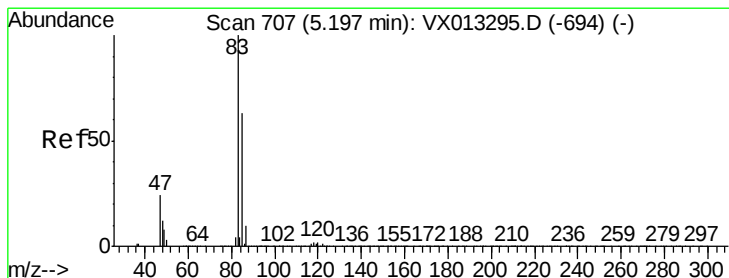
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

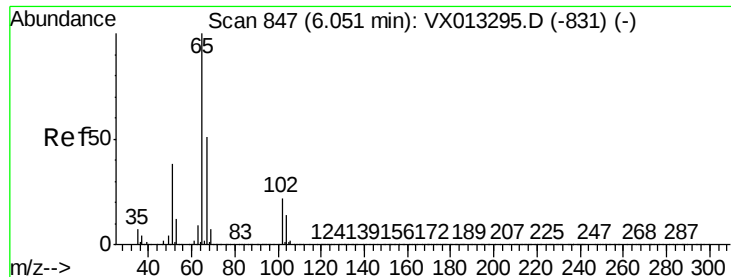
Tgt Ion:	84	Resp:	2119
Ion	Ratio	Lower	Upper
84	100		
49	84.8	98.2	147.4#
51	20.3	29.9	44.9#
86	34.7	49.9	74.9#



#30
Chloroform
Concen: 0.679 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013459.D
Acq: 19 Nov 2019 12:21

Tgt Ion:	83	Resp:	8235
Ion	Ratio	Lower	Upper
83	100		
85	46.6	50.2	75.4#





#33

1,2-Dichloroethane-d4

Concen: 49.947 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

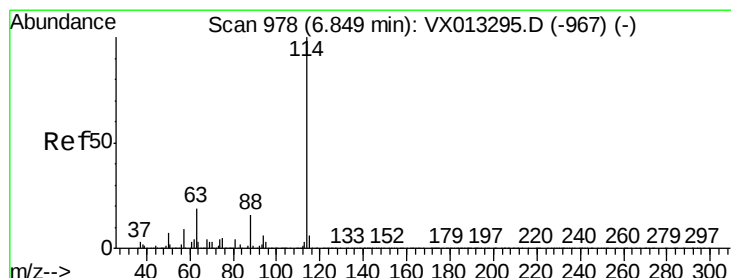
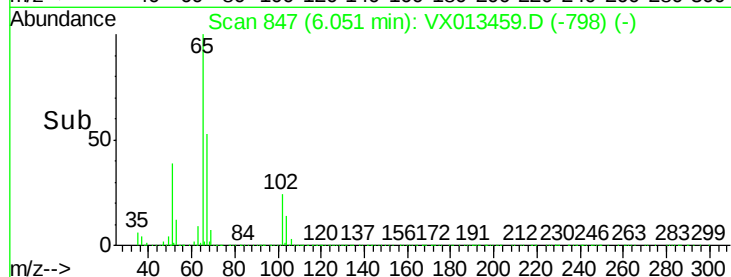
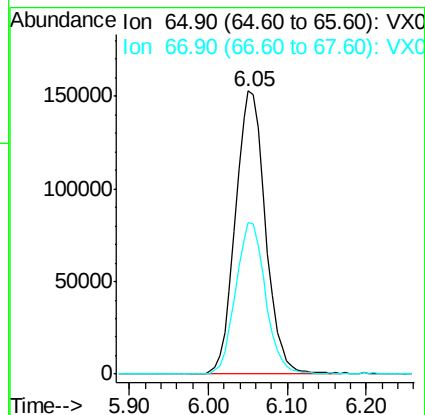
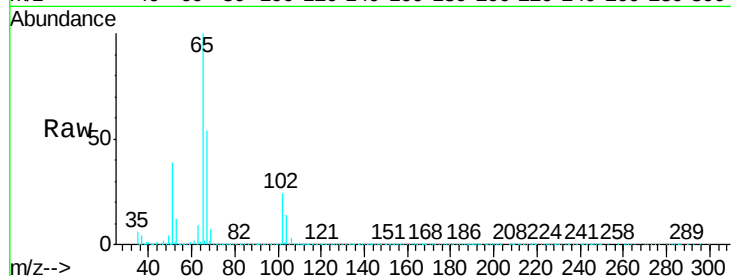
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 65 Resp: 404021

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

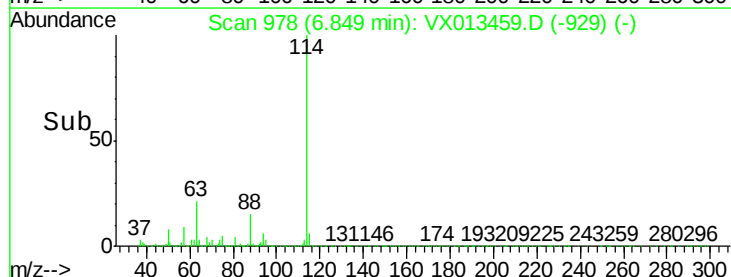
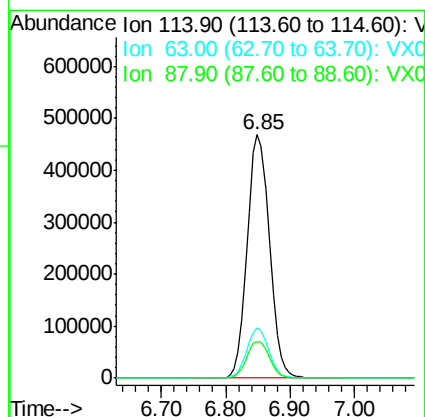
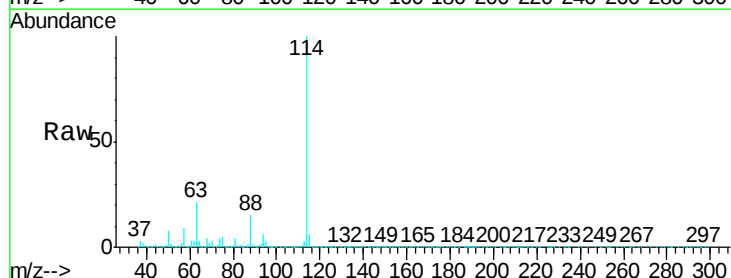
Tgt Ion: 114 Resp: 1104767

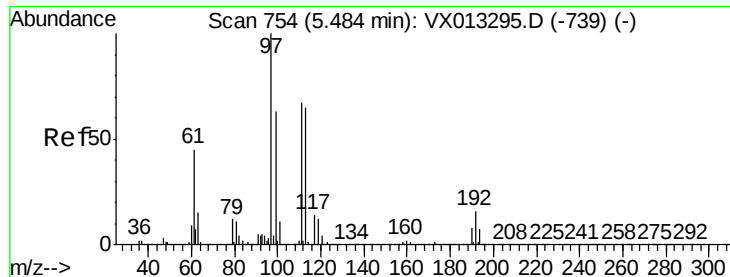
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

88 15.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.638 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

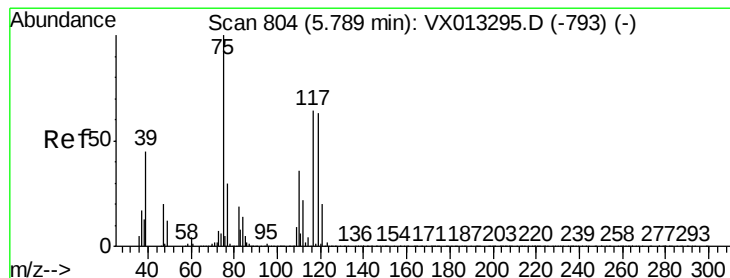
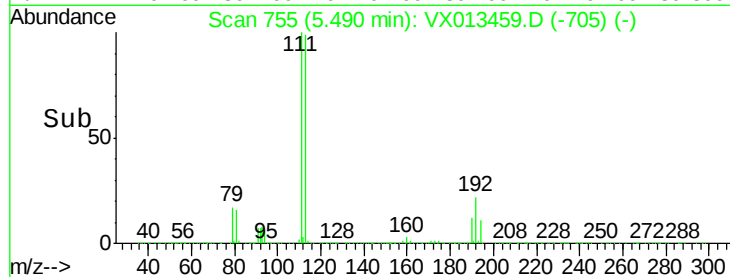
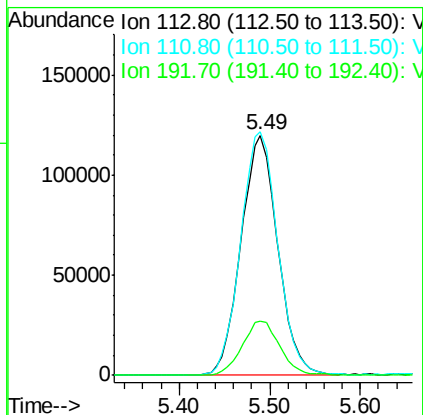
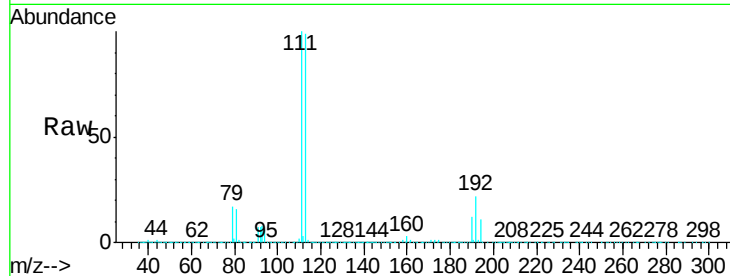
Instrument :

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ClientSampleId :

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Tgt Ion:	113	Resp:	337027
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	23.1	19.1	28.7



#36

1,1-Dichloropropene

Concen: 4.811 ug/l

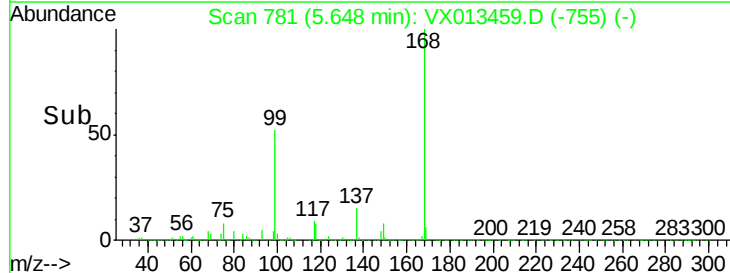
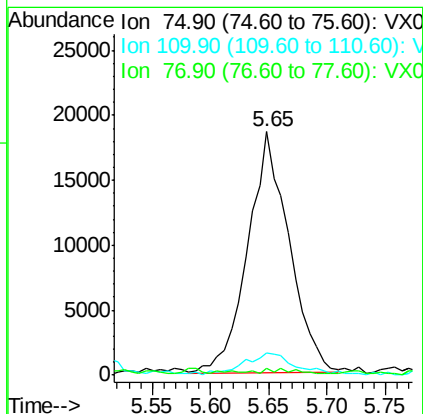
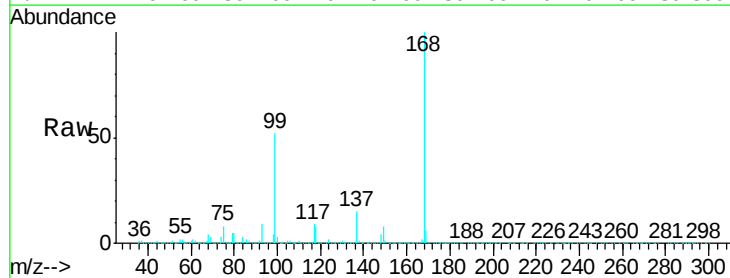
RT: 5.65 min Scan# 781

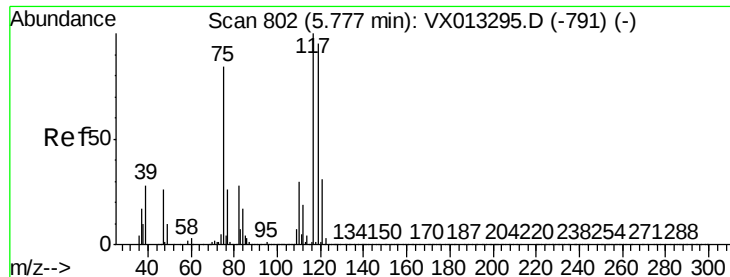
Delta R.T. -0.14 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Tgt Ion:	75	Resp:	45595
Ion	Ratio	Lower	Upper
75	100		
110	11.7	18.1	54.1#
77	0.3	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.499 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

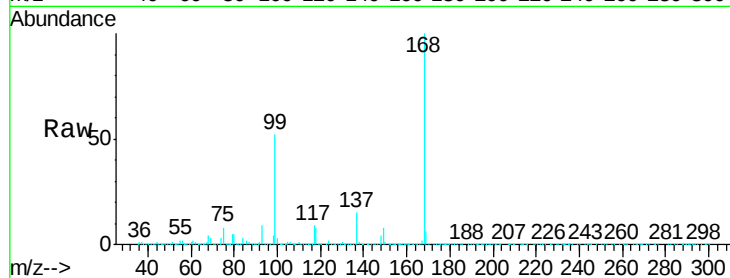
Tgt Ion: 117 Resp: 60232

Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

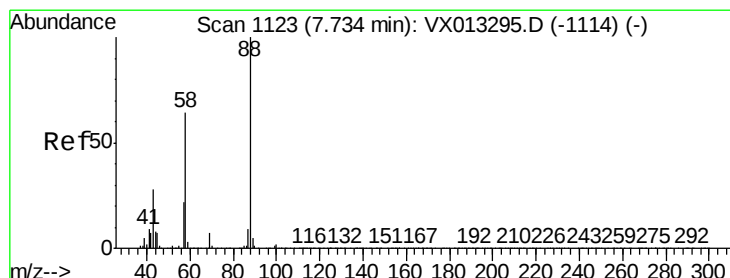
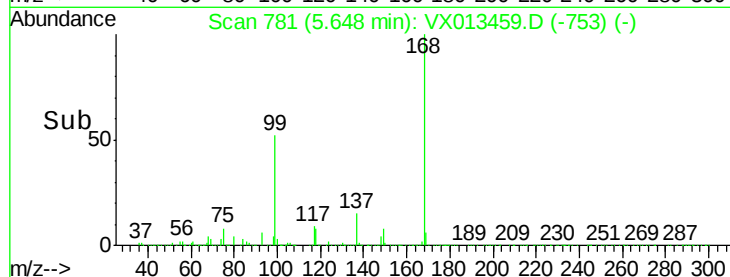
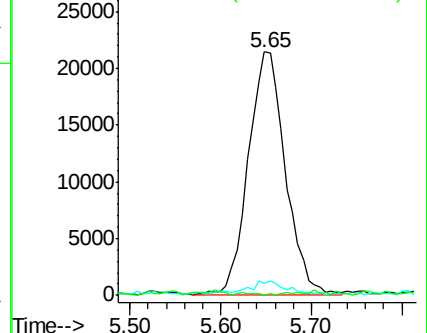
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 2.518 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

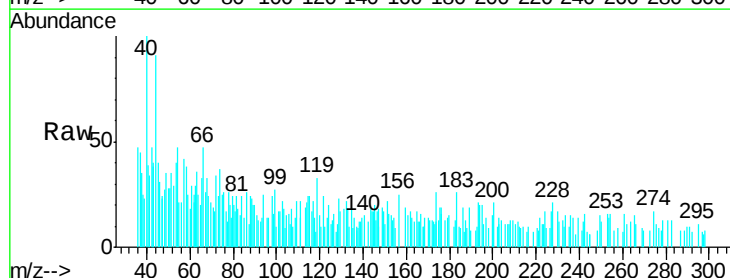
Tgt Ion: 88 Resp: 525

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

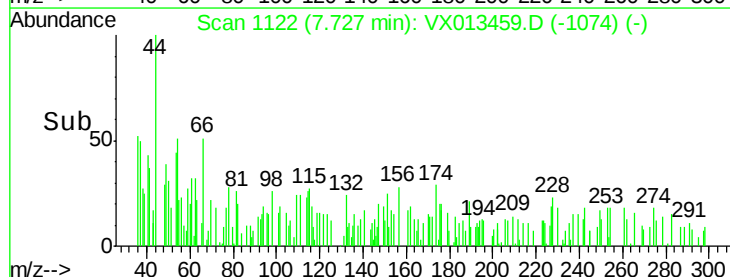
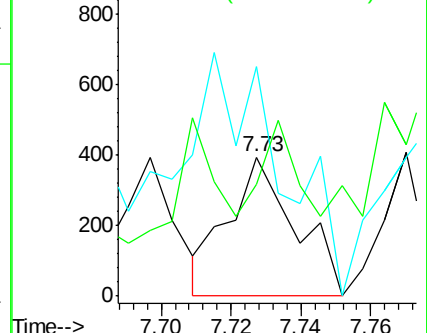
58 46.5 55.0 82.6#

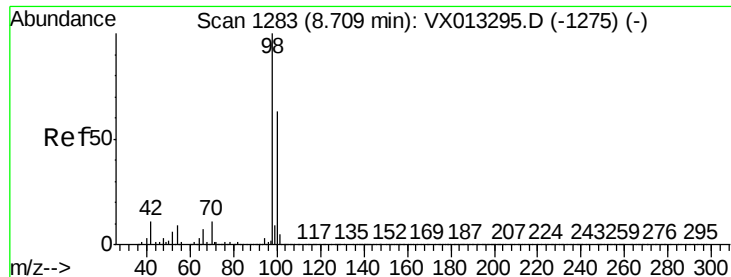


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.741 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

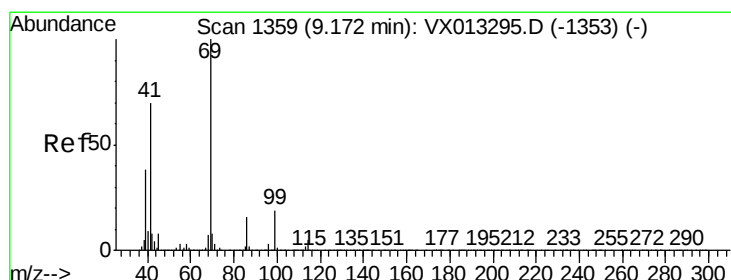
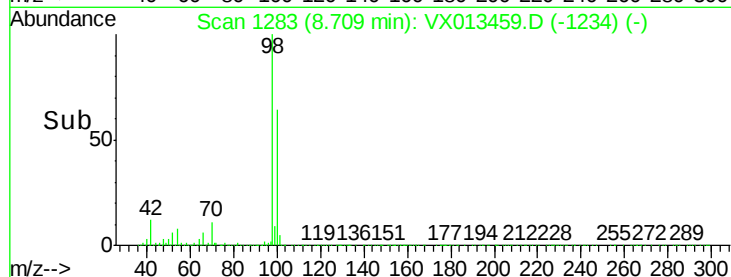
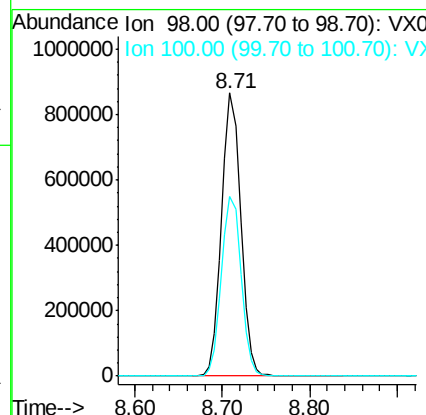
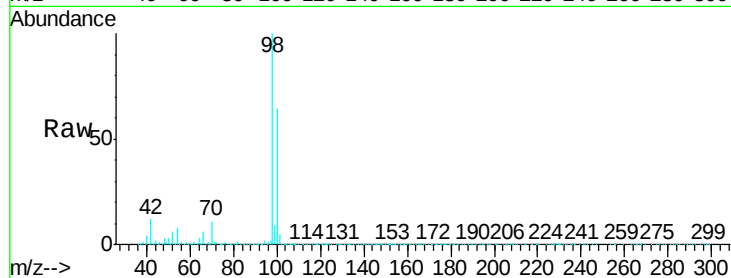
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 98 Resp: 1325475

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.592 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

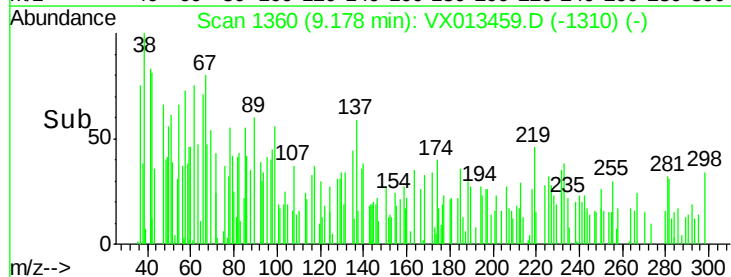
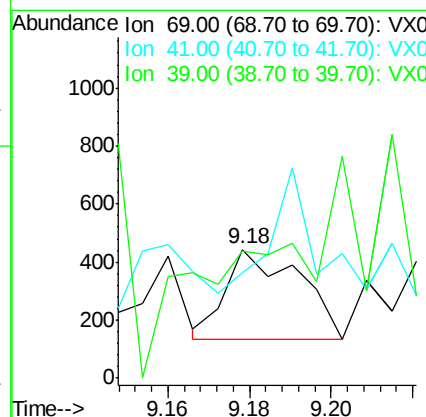
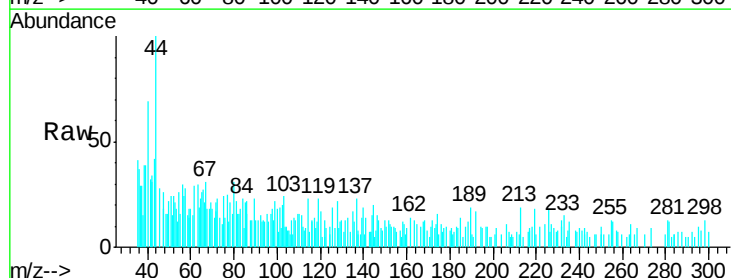
Tgt Ion: 69 Resp: 387

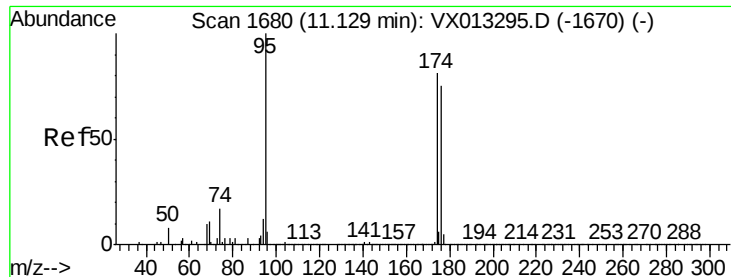
Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 0.0 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 45.374 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

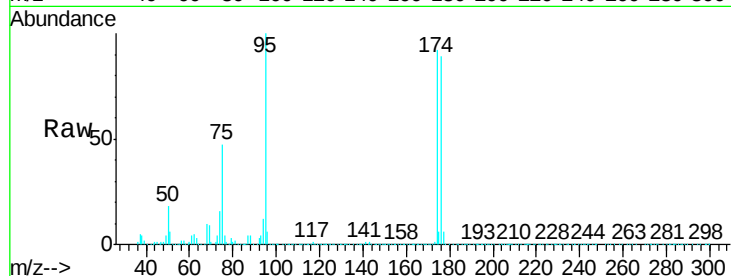
Tgt Ion: 95 Resp: 427776

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.8

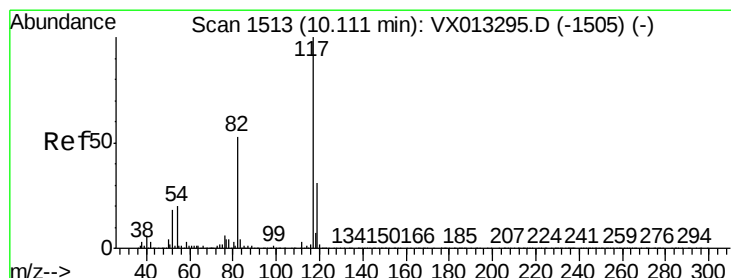
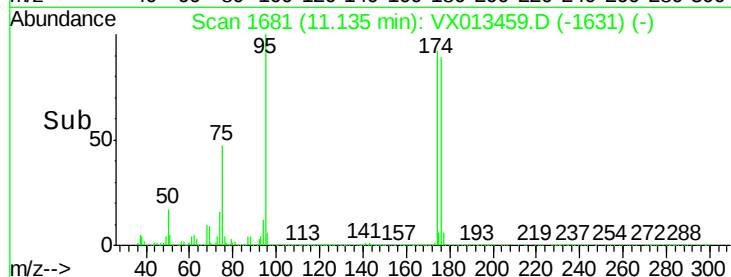
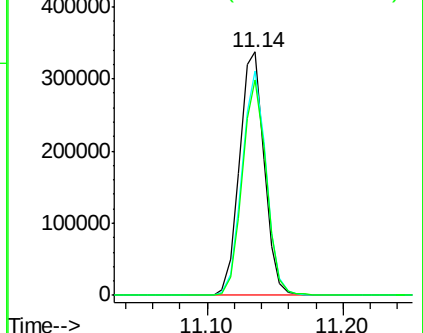
176 86.3 0.0 173.0



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# 1513

Delta R.T. -0.00 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

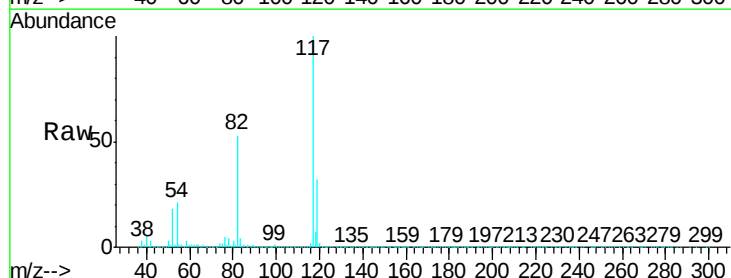
Tgt Ion: 117 Resp: 976927

Ion Ratio Lower Upper

117 100

82 52.7 42.6 64.0

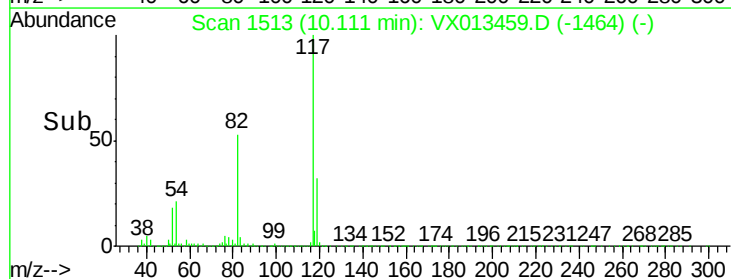
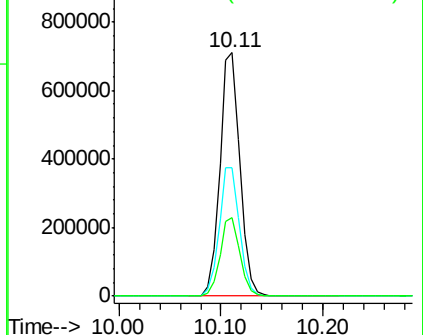
119 32.3 24.8 37.2

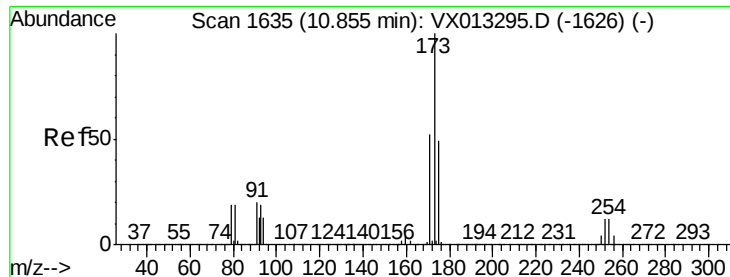


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

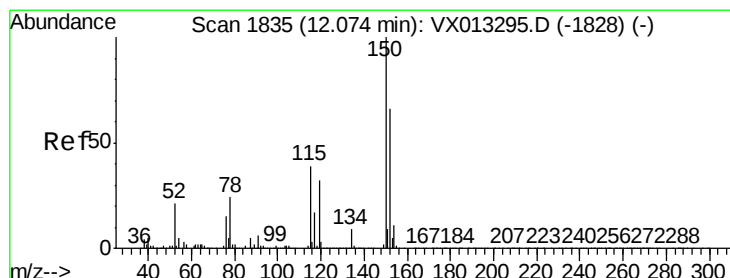
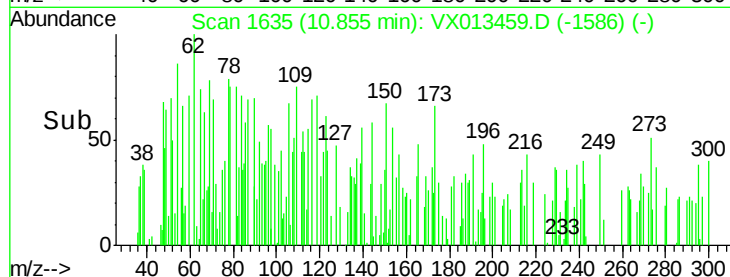
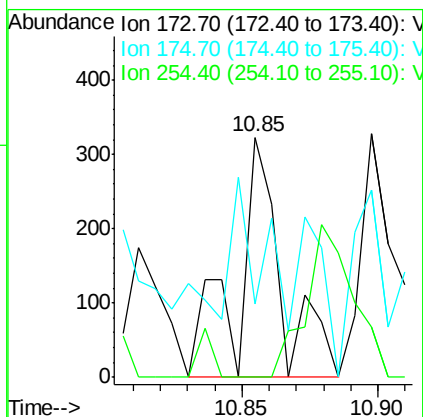
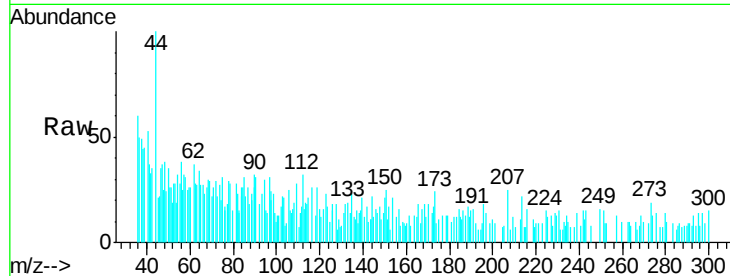




#71
Bromoform
Concen: 3.254 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013459.D
Acq: 19 Nov 2019 12:21

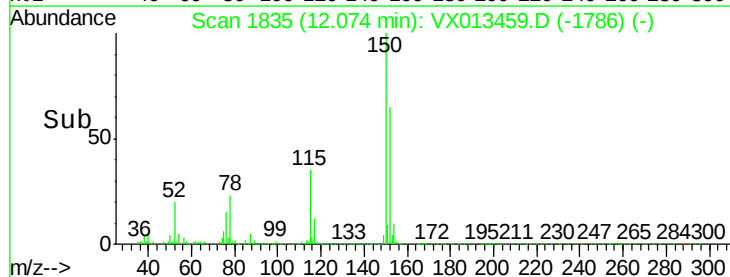
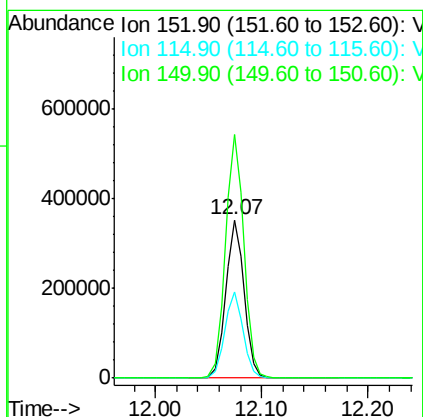
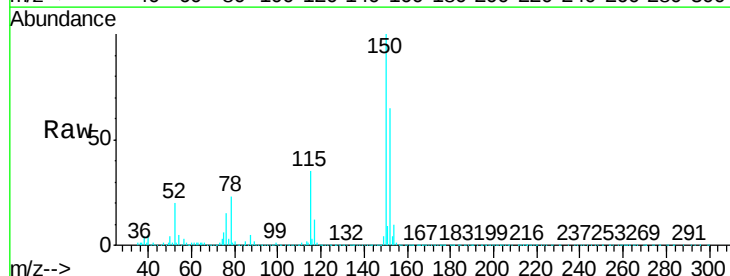
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

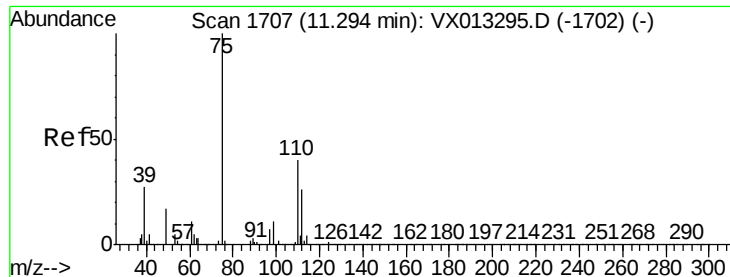
Tgt Ion:173 Resp: 368
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 6.5 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013459.D
Acq: 19 Nov 2019 12:21

Tgt Ion:152 Resp: 422729
Ion Ratio Lower Upper
152 100
115 54.4 39.5 118.3
150 155.0 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.515 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

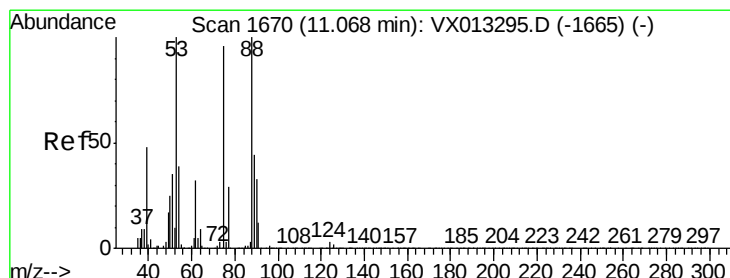
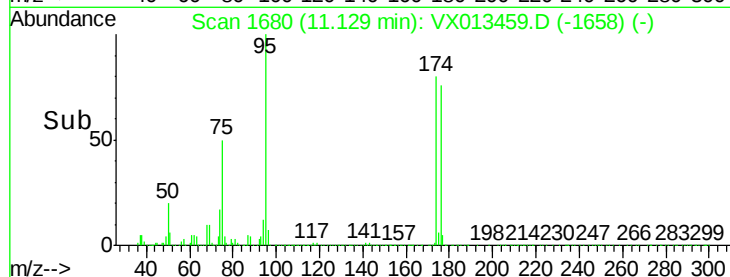
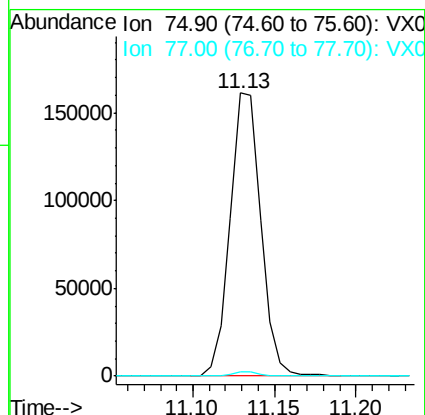
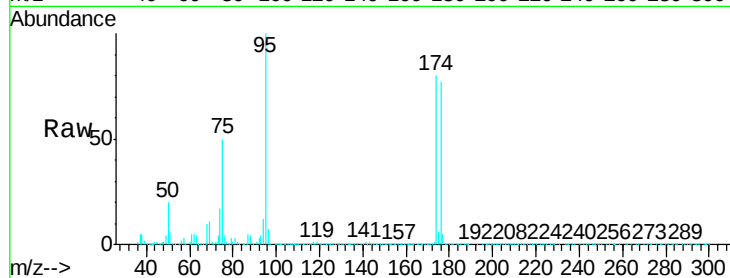
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 210489

Ion Ratio Lower Upper

75 100

77 1.7 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.101 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

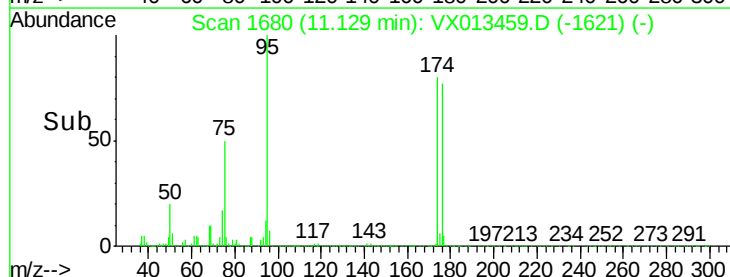
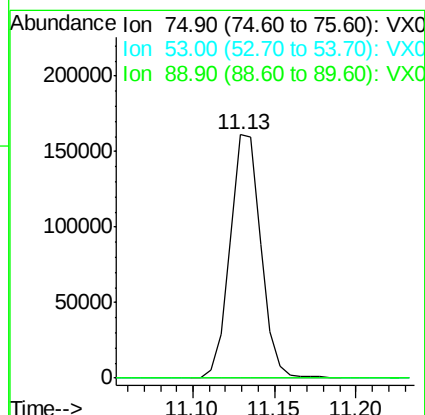
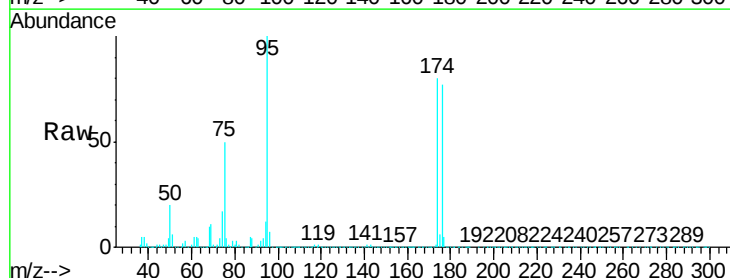
Tgt Ion: 75 Resp: 210489

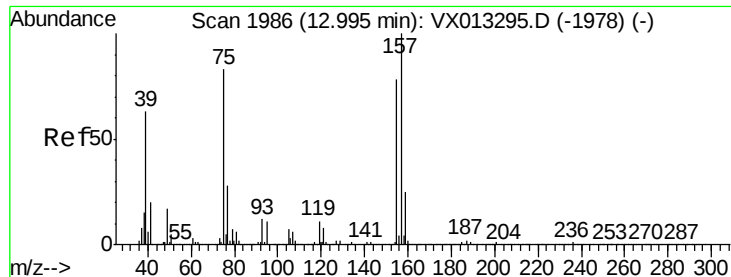
Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 36.0 54.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.308 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013459.D

Acq: 19 Nov 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 767

Ion Ratio Lower Upper

75 100

155 28.4 47.1 141.4#

157 0.0 61.3 183.8#

