

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110719\
 Data File : VX013346.D
 Acq On : 07 Nov 2019 12:22
 Operator : JC/SP
 Sample : K5742-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 (ERB)-EQUIPMENT-RINSATE-BLAN

Quant Time: Nov 07 16:18:36 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	802078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1252142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1108047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	500638	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	450334	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	5.48	113	367882	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	8.71	98	1468778	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.13	95	498512	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

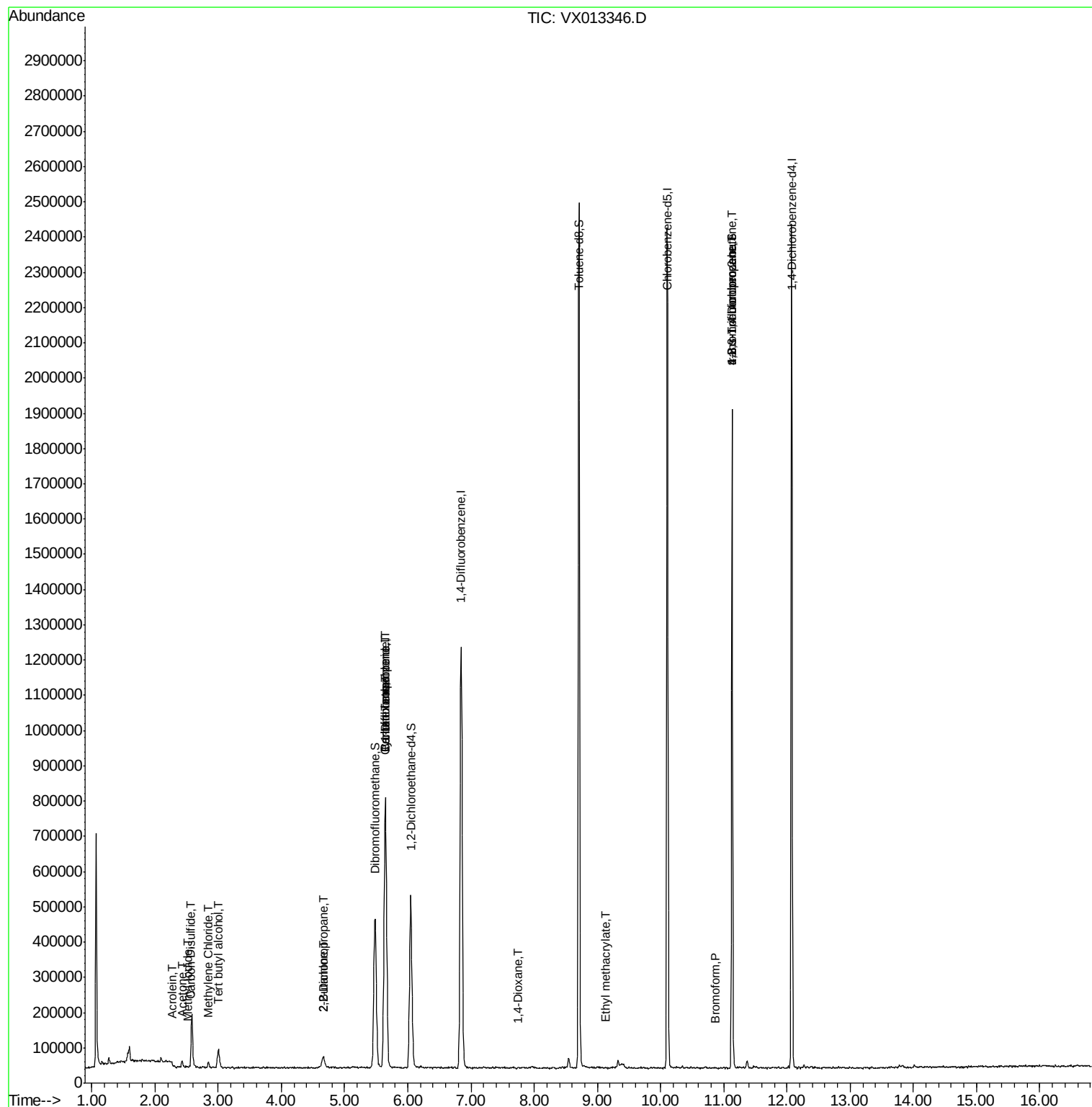
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1729	Below Cal	#	78
10) Methyl Iodide	2.51	142	2354	0.253	ug/l	98
11) Tert butyl alcohol	3.01	59	36215	14.460	ug/l #	88
13) Acrolein	2.28	56	703	0.518	ug/l #	42
16) Acetone	2.43	43	24354	5.138	ug/l	94
17) Carbon Disulfide	2.56	76	5896	0.299	ug/l #	95
20) Methylene Chloride	2.84	84	8754	1.000	ug/l #	91
25) 2-Butanone	4.67	43	3831	0.551	ug/l #	88
26) 2,2-Dichloropropane	4.67	77	2656	0.231	ug/l	85
31) Cyclohexane	5.65	56	15080	1.161	ug/l #	4
36) 1,1-Dichloropropene	5.64	75	52321	4.871	ug/l #	52
38) Carbon Tetrachloride	5.64	117	67271	6.404	ug/l #	15
49) 1,4-Dioxane	7.74	88	203	0.859	ug/l #	1
56) Ethyl methacrylate	9.14	69	513	1.597	ug/l #	73
71) Bromoform	10.87	173	424	3.255	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	246036	24.196	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	246036	62.279	ug/l #	9

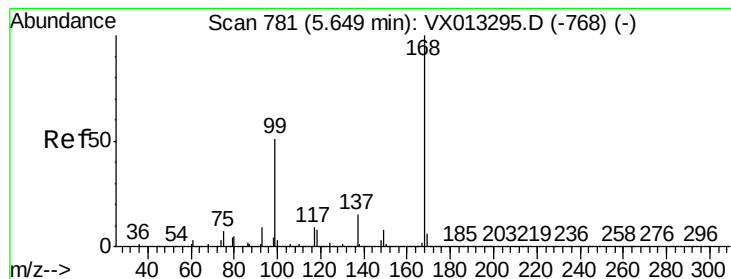
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013346.D

Acq: 07 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

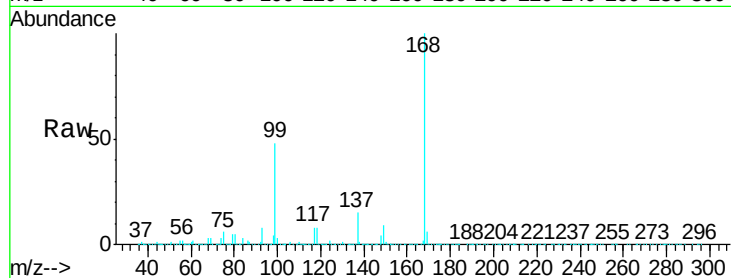
(ERB)-EQUIPMENT-RINSATE-BLAN

Tgt Ion:168 Resp: 802078

Ion Ratio Lower Upper

168 100

99 48.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

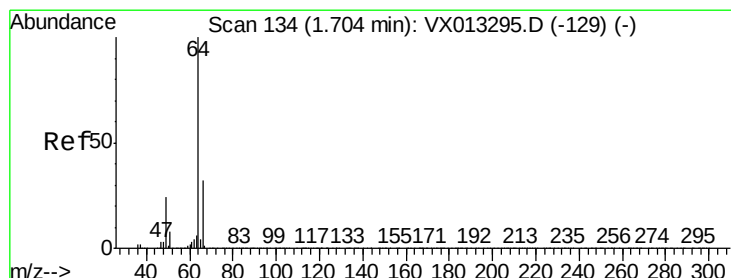
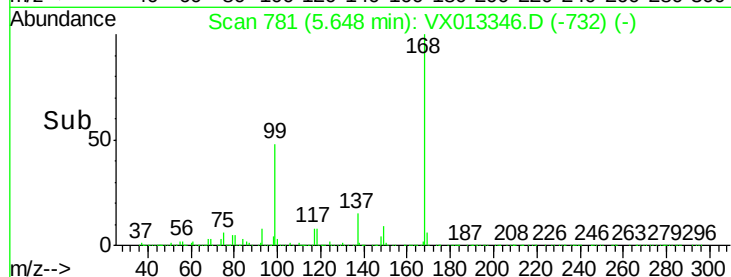
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 139

Delta R.T. 0.03 min

Lab File: VX013346.D

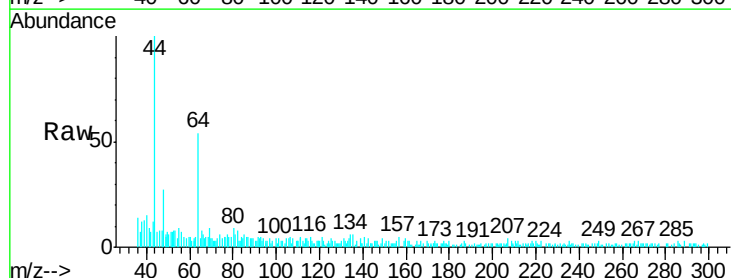
Acq: 07 Nov 2019 12:22

Tgt Ion: 64 Resp: 1729

Ion Ratio Lower Upper

64 100

66 44.1 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

4000

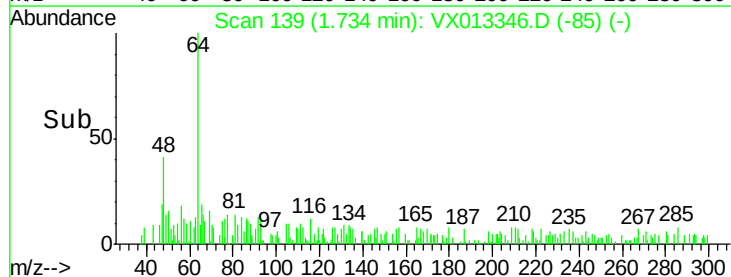
3000

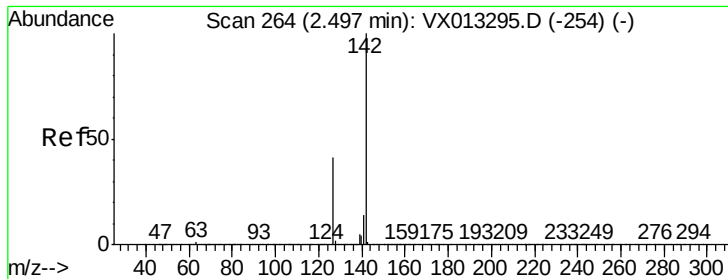
2000

1000

0

Time-->





#10

Methyl Iodide

Concen: 0.253 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

(ERB)-EQUIPMENT-RINSATE-BLAN

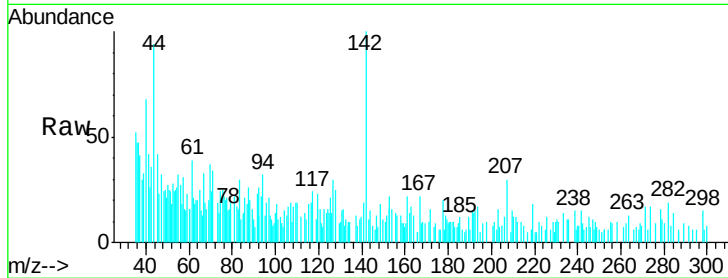
Tgt Ion:142 Resp: 2354

Ion Ratio Lower Upper

142 100

127 41.9 32.6 49.0

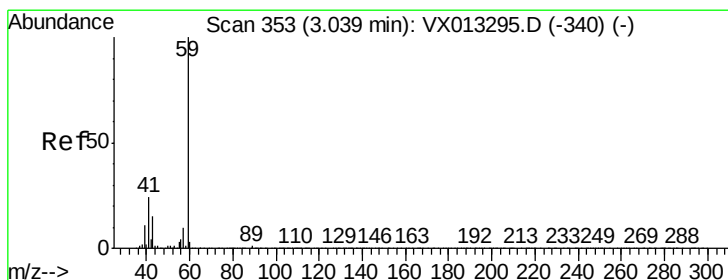
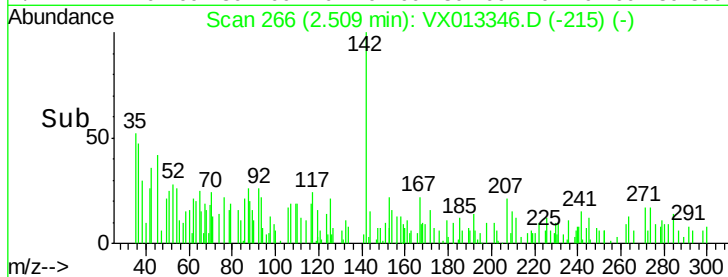
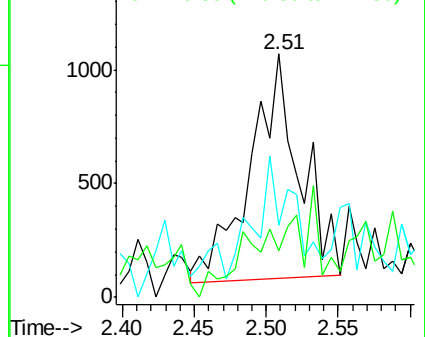
141 16.0 11.6 17.4



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: 14.460 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013346.D

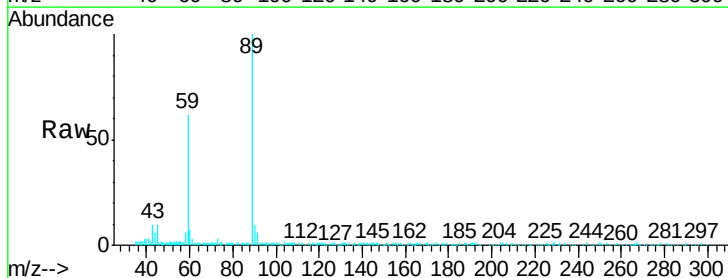
Acq: 07 Nov 2019 12:22

Tgt Ion: 59 Resp: 36215

Ion Ratio Lower Upper

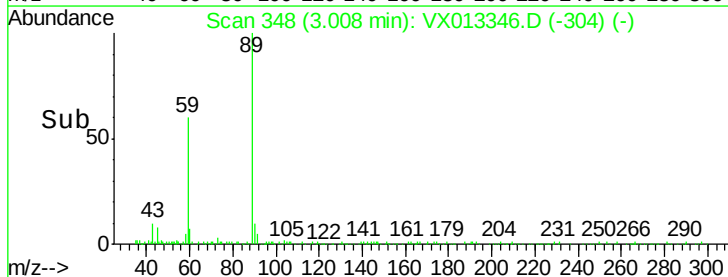
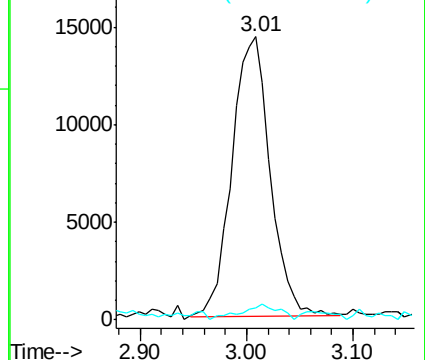
59 100

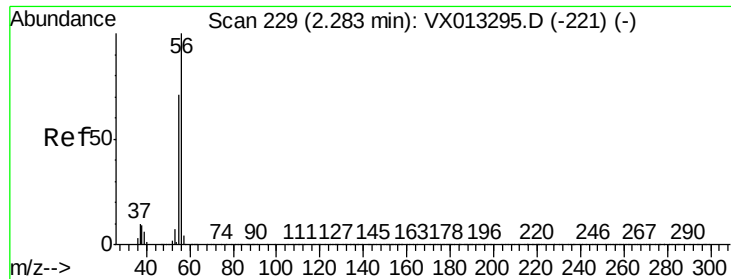
57 5.5 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.518 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

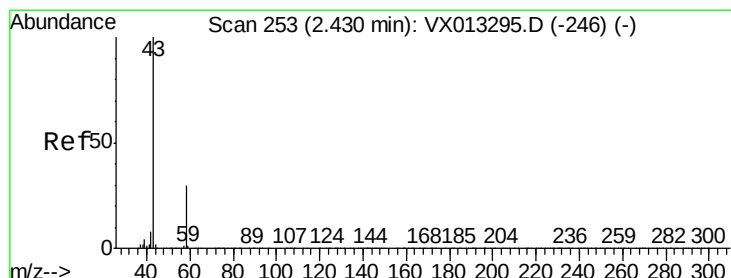
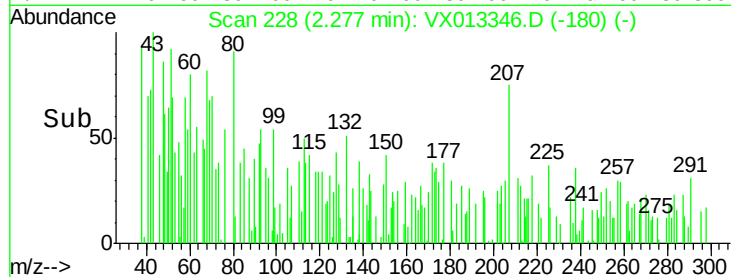
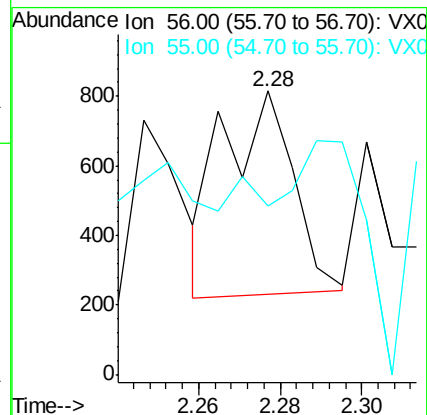
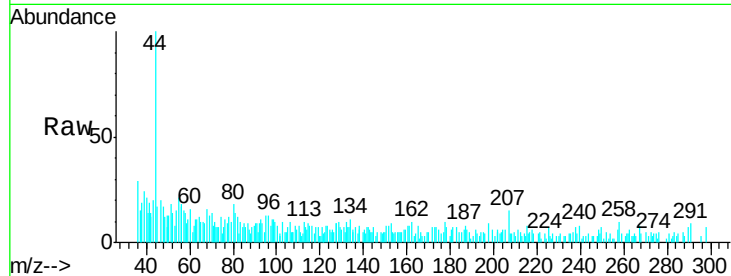
(ERB)-EQUIPMENT-RINSATE-BLAN

Tgt Ion: 56 Resp: 703

Ion Ratio Lower Upper

56 100

55 120.1 57.4 86.0#



#16

Acetone

Concen: 5.138 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013346.D

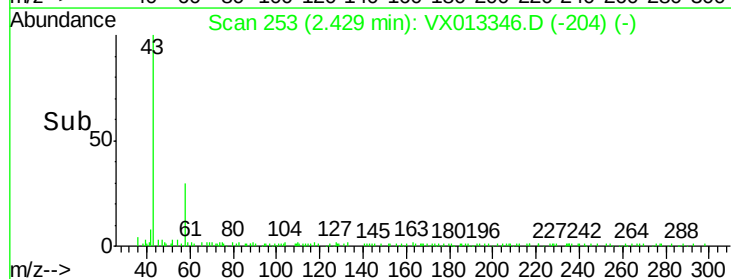
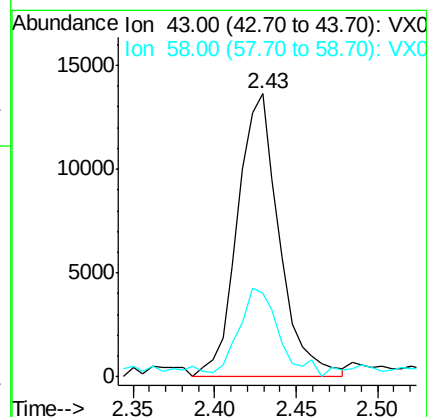
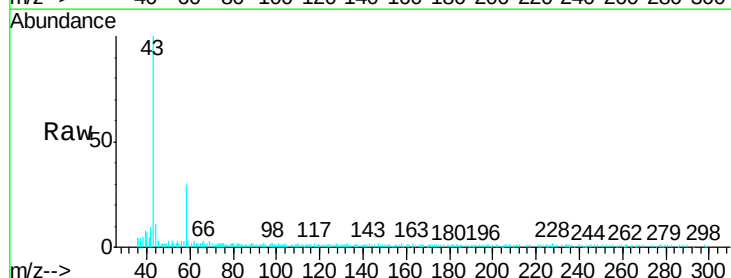
Acq: 07 Nov 2019 12:22

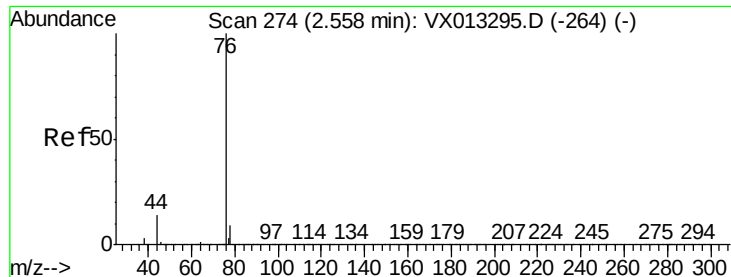
Tgt Ion: 43 Resp: 24354

Ion Ratio Lower Upper

43 100

58 27.1 24.3 36.5





#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

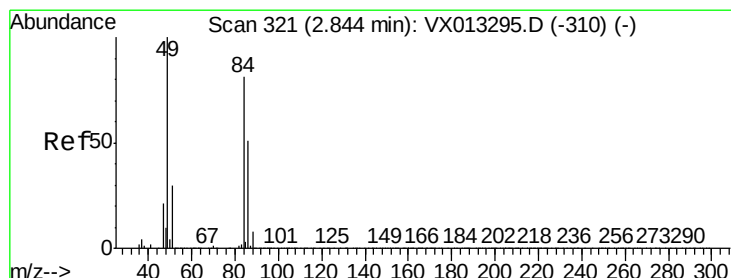
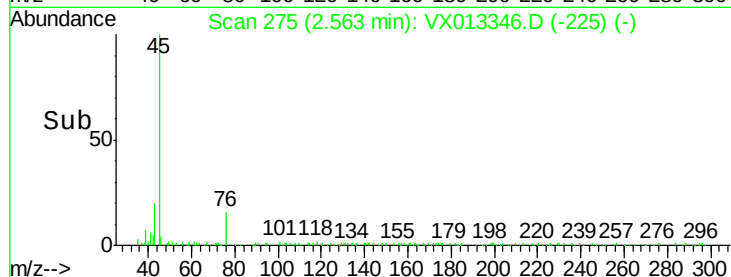
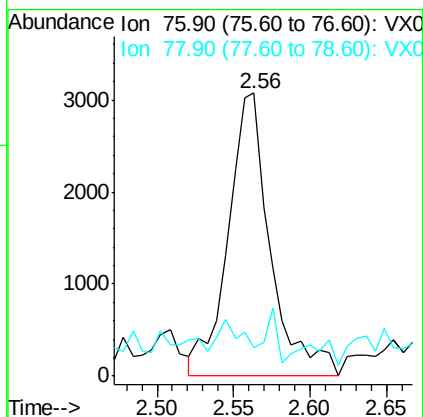
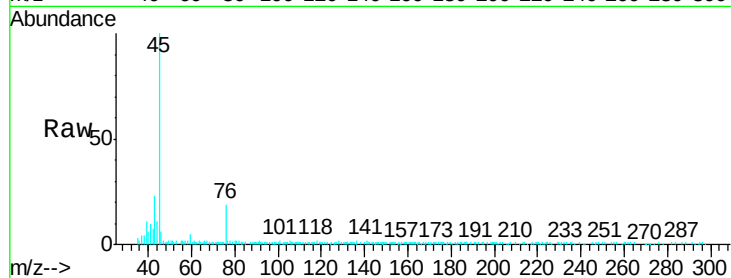
(ERB)-EQUIPMENT-RINSATE-BLAN

Tgt Ion: 76 Resp: 5896

Ion Ratio Lower Upper

76 100

78 6.9 7.0 10.6#



#20

Methylene Chloride

Concen: 1.000 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

Tgt Ion: 84 Resp: 8754

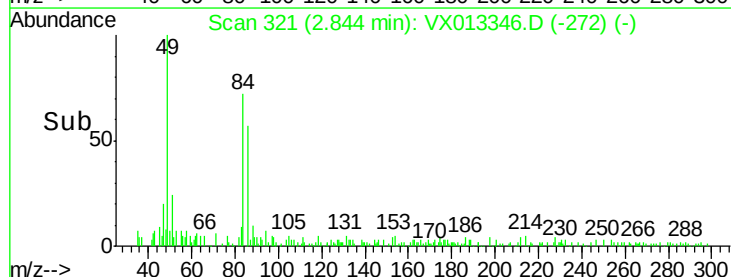
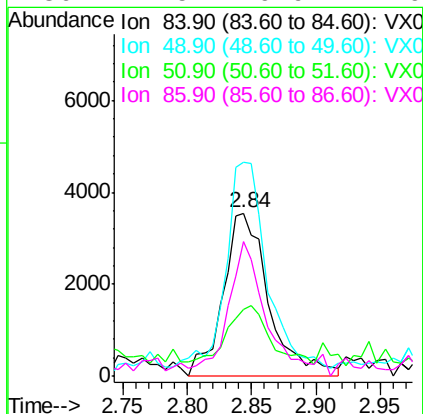
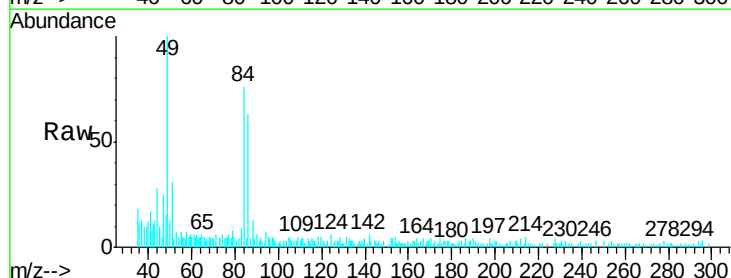
Ion Ratio Lower Upper

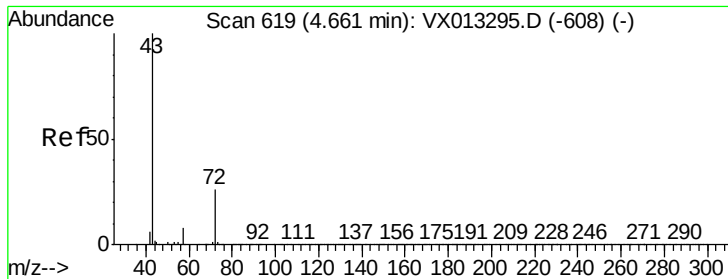
84 100

49 123.0 98.2 147.4

51 26.9 29.9 44.9#

86 77.5 49.9 74.9#





#25

2-Butanone

Concen: 0.551 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

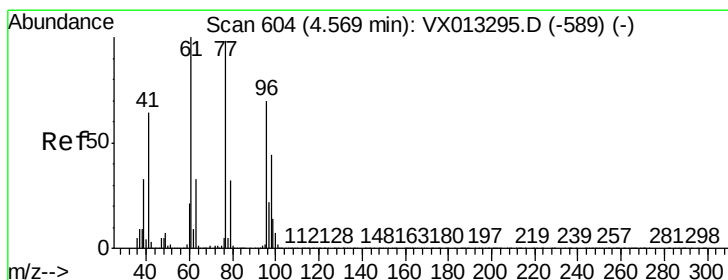
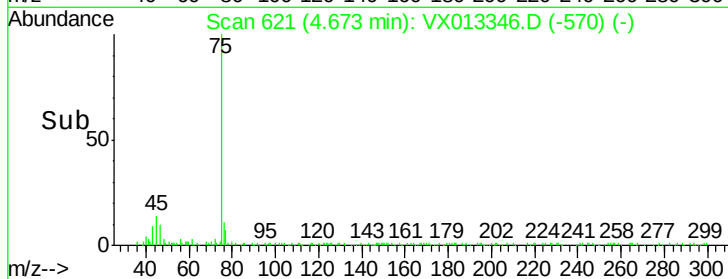
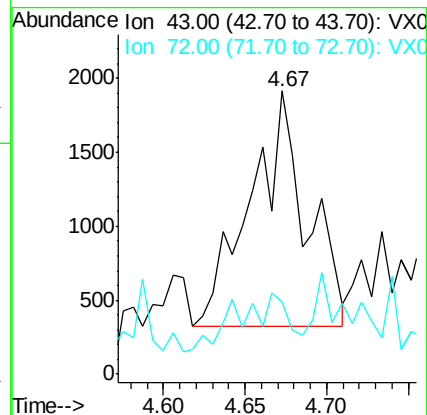
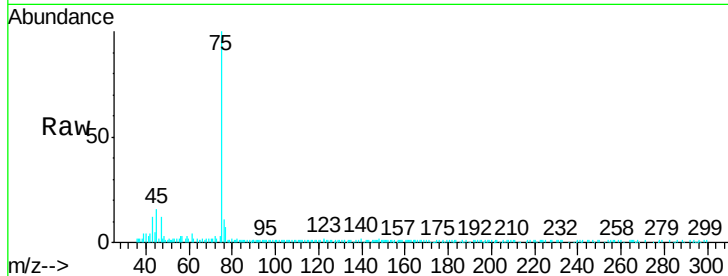
(ERB)-EQUIPMENT-RINSATE-BLAN

Tgt Ion: 43 Resp: 3831

Ion Ratio Lower Upper

43 100

72 20.2 21.0 31.6#



#26

2,2-Dichloropropane

Concen: 0.231 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.10 min

Lab File: VX013346.D

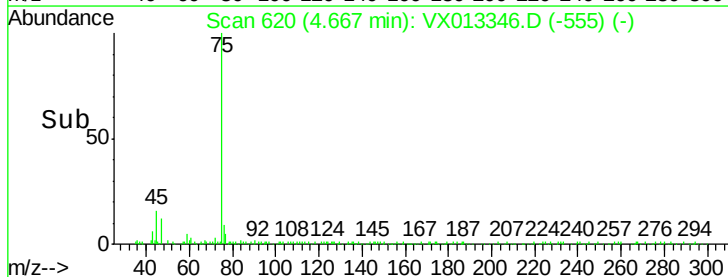
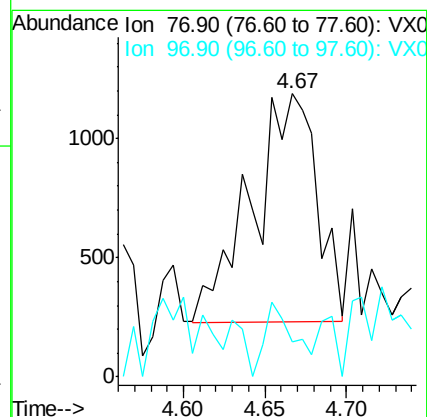
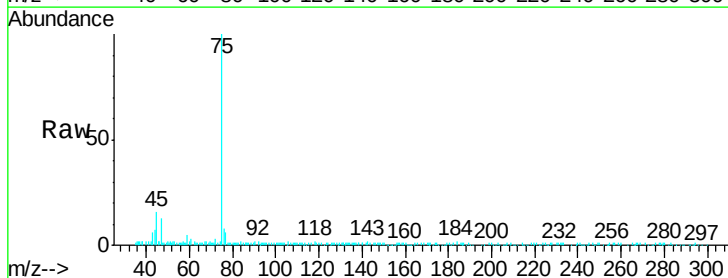
Acq: 07 Nov 2019 12:22

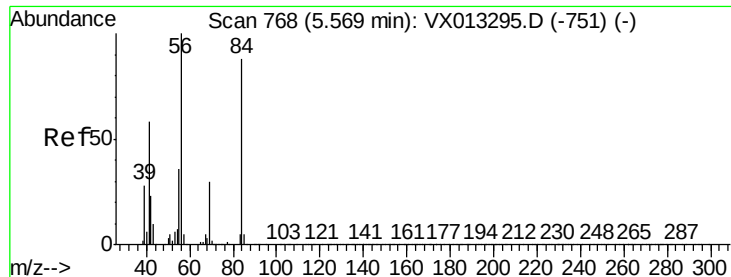
Tgt Ion: 77 Resp: 2656

Ion Ratio Lower Upper

77 100

97 15.1 11.3 33.8

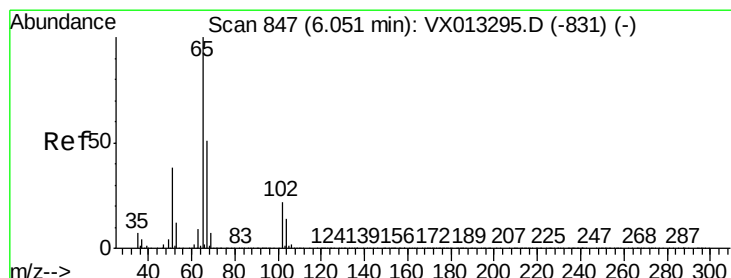
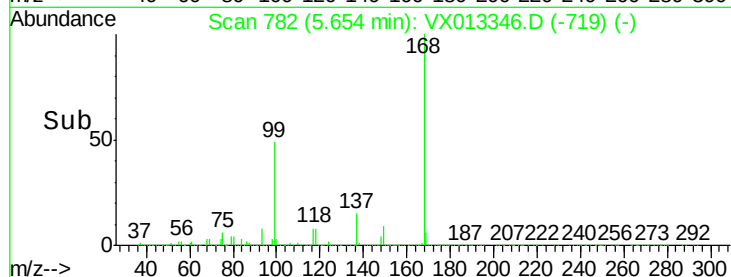
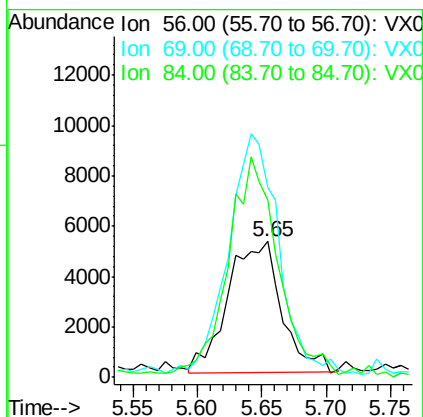
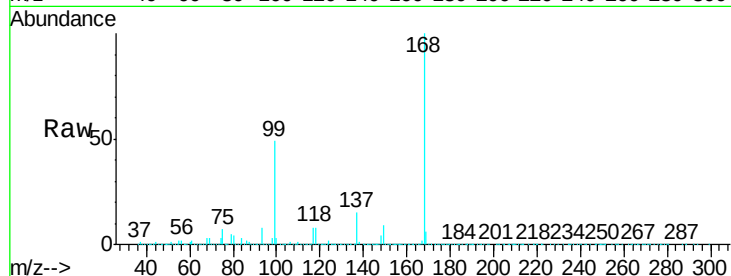




#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013346.D
Acq: 07 Nov 2019 12:22

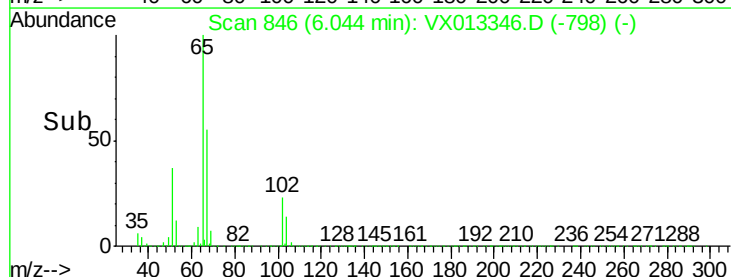
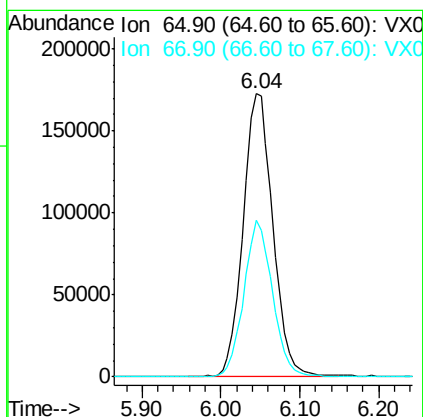
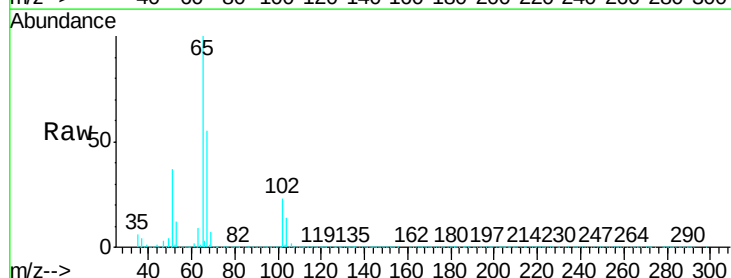
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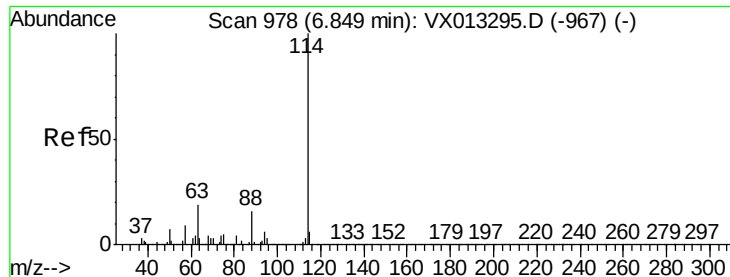
Tgt Ion: 56 Resp: 15080
Ion Ratio Lower Upper
56 100
69 142.5 23.7 35.5#
84 142.4 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 47.392 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013346.D
Acq: 07 Nov 2019 12:22

Tgt Ion: 65 Resp: 450334
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

(ERB)-EQUIPMENT-RINSATE-BLAN

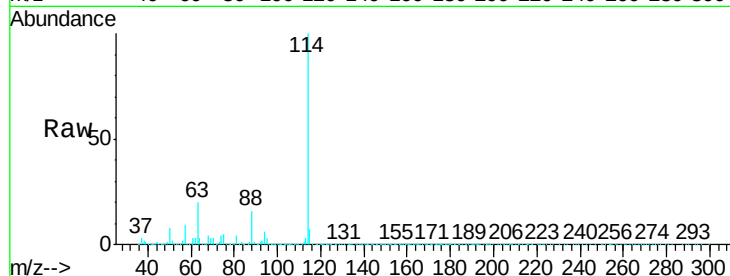
Tgt Ion:114 Resp: 1252142

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

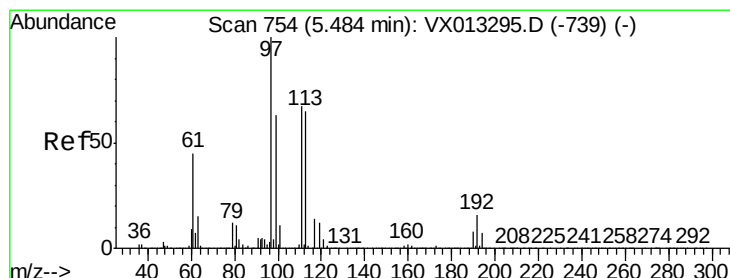
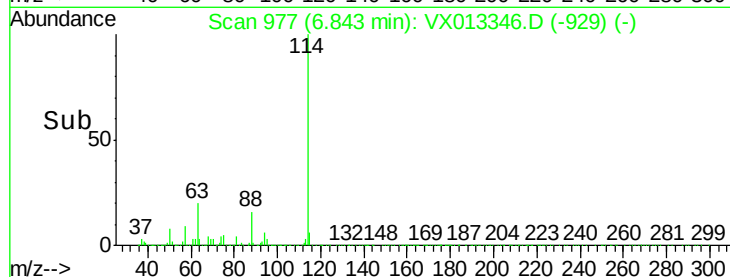
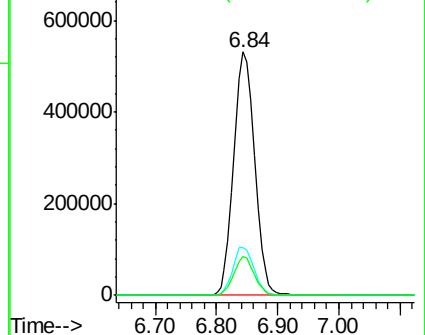
88 15.8 0.0 32.2



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: 46.843 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

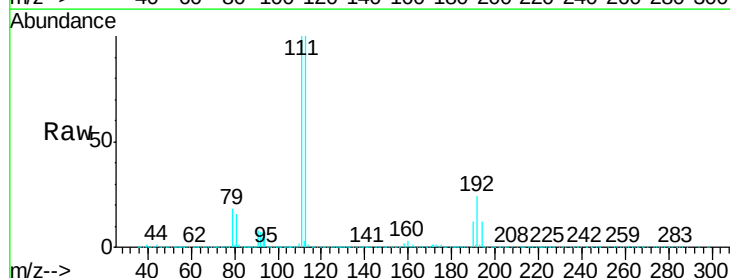
Tgt Ion:113 Resp: 367882

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

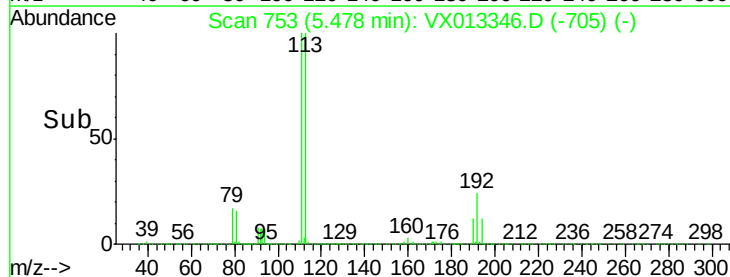
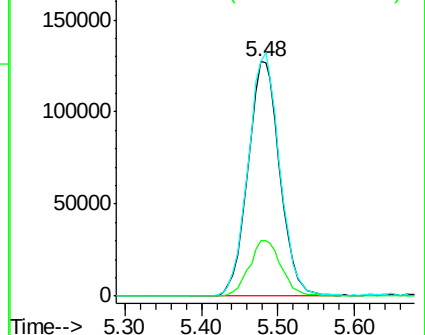
192 23.7 19.1 28.7

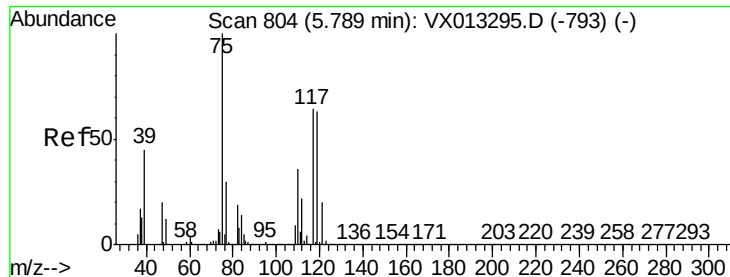


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

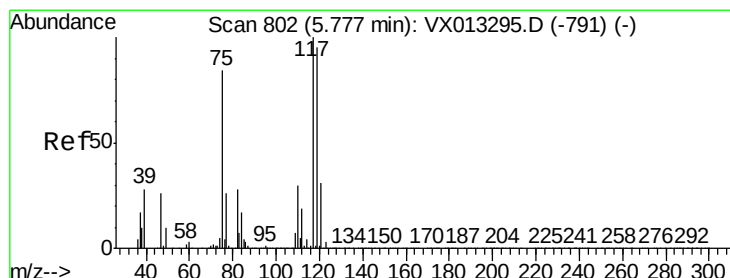
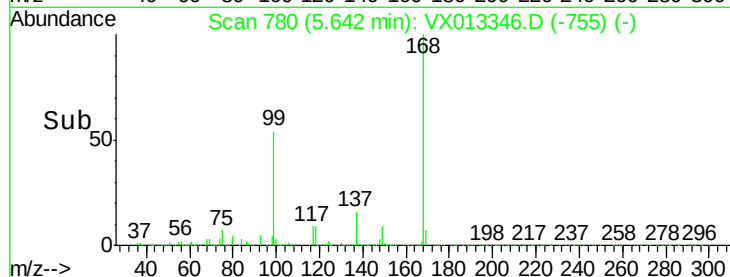
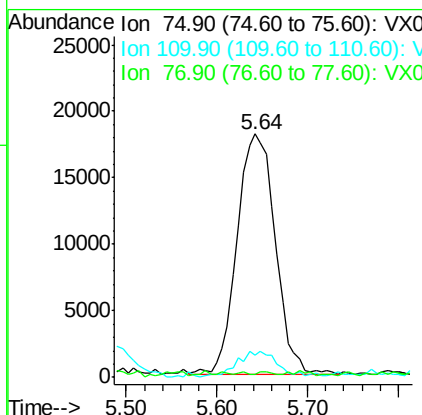
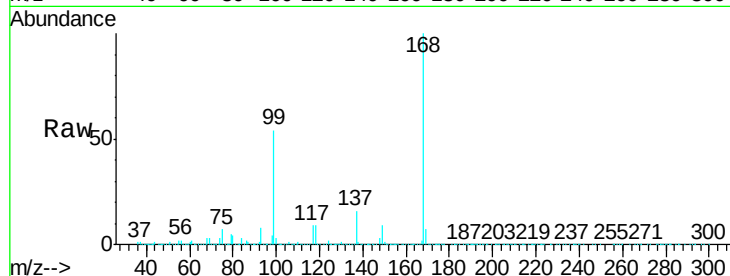




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013346.D
 Acq: 07 Nov 2019 12:22

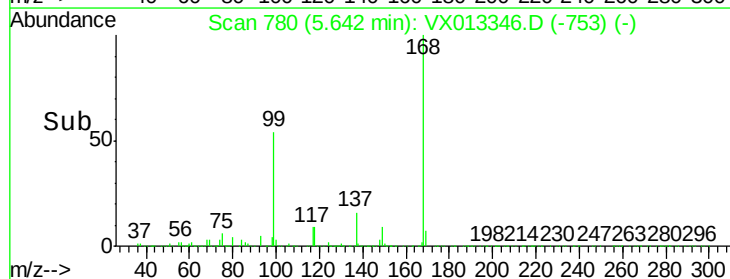
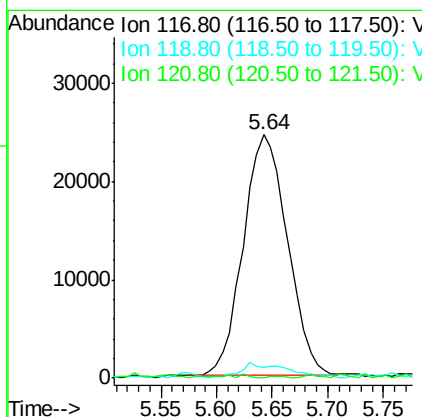
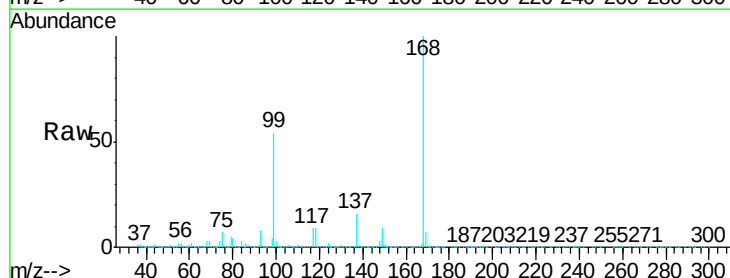
Instrument :
 MSVOA_X
 ClientSampleId :
 (ERB)-EQUIPMENT-RINSATE-BLAN

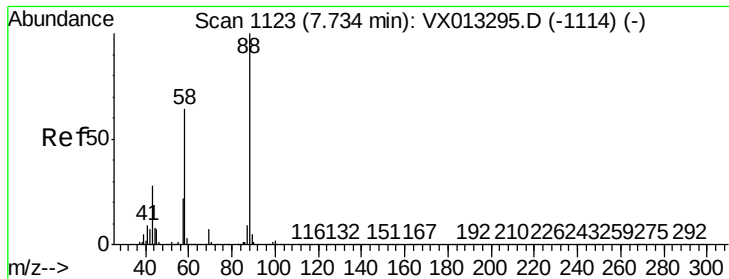
Tgt Ion: 75 Resp: 52321
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.1 54.1#
 77 0.4 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.404 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013346.D
 Acq: 07 Nov 2019 12:22

Tgt Ion: 117 Resp: 67271
 Ion Ratio Lower Upper
 117 100
 119 3.5 76.1 114.1#
 121 0.0 24.6 37.0#

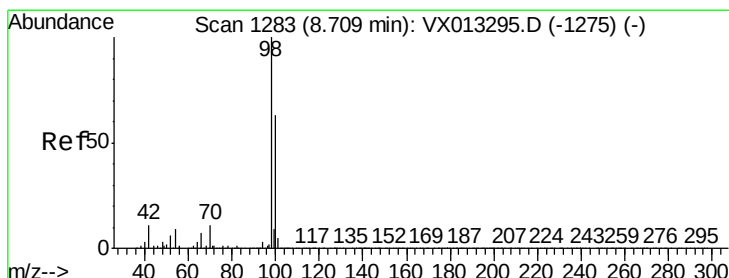
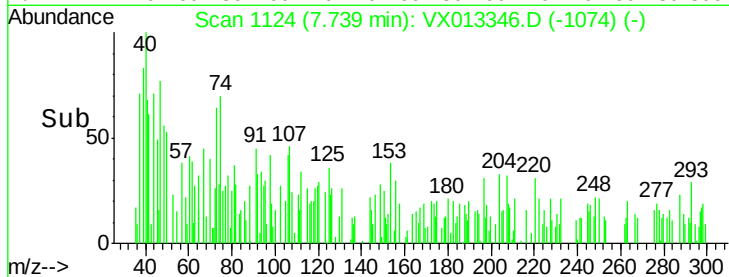
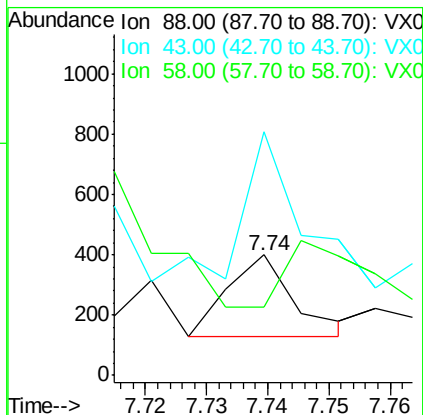
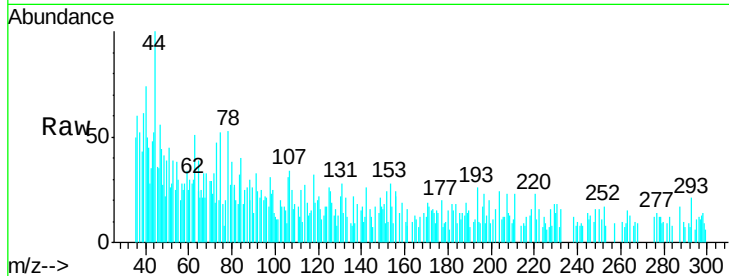




#49
1,4-Dioxane
Concen: 0.859 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013346.D
Acq: 07 Nov 2019 12:22

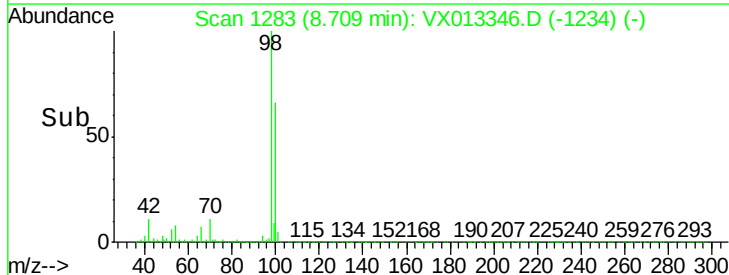
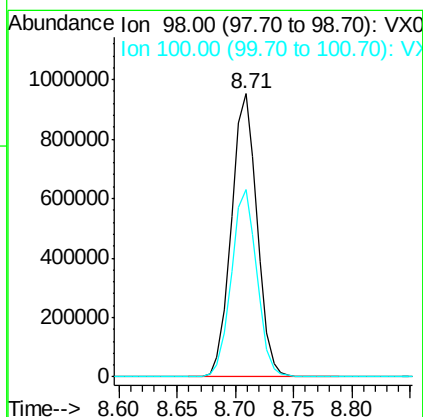
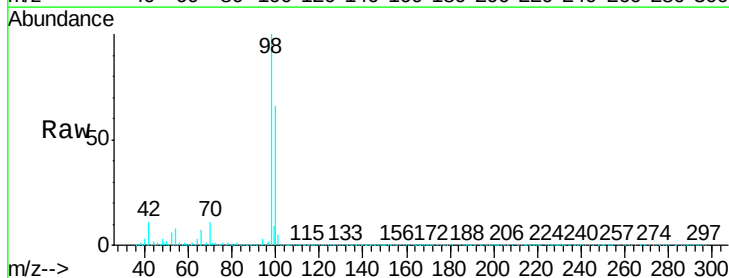
Instrument :
MSVOA_X
ClientSampleId :
(ERB)-EQUIPMENT-RINSATE-BLAN

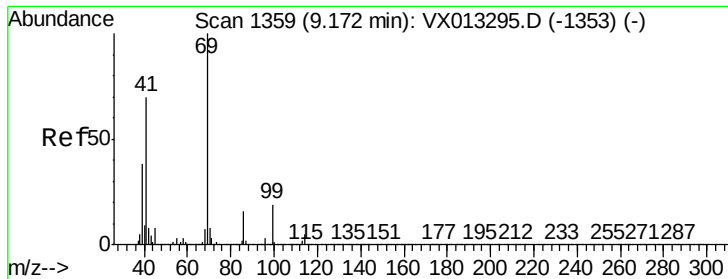
Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 153.2 26.6 39.8#
58 378.8 55.0 82.6#



#50
Toluene-d8
Concen: 49.609 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013346.D
Acq: 07 Nov 2019 12:22

Tgt Ion: 98 Resp: 1468778
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.597 ug/l

RT: 9.14 min Scan# 1353

Delta R.T. -0.04 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

(ERB)-EQUIPMENT-RINSATE-BLAN

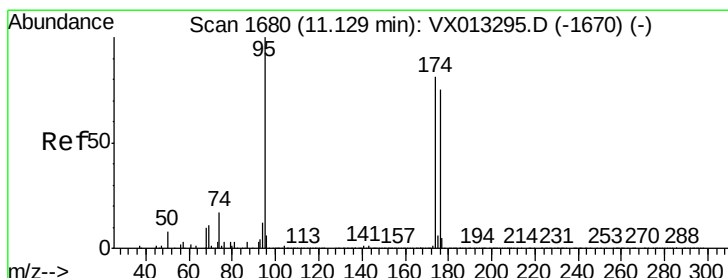
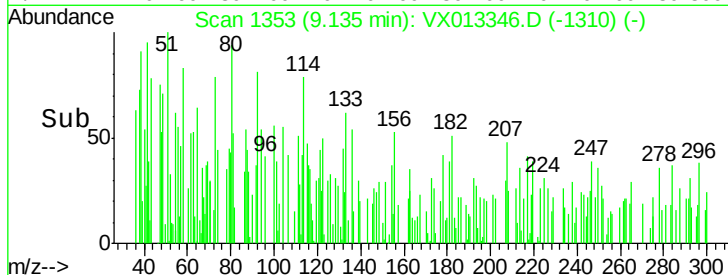
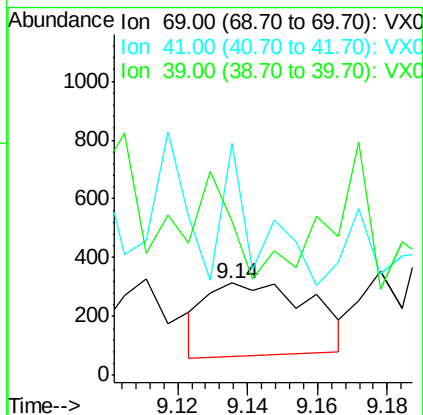
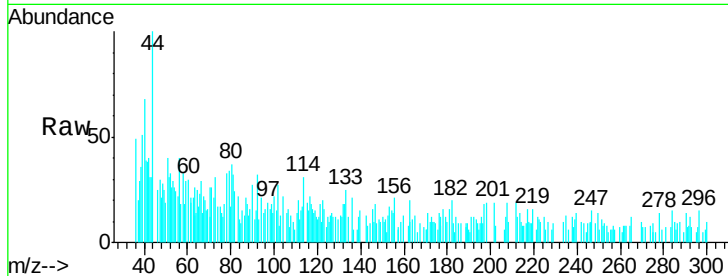
Tgt Ion: 69 Resp: 513

Ion Ratio Lower Upper

69 100

41 64.3 56.2 84.2

39 0.0 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.653 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013346.D

Acq: 07 Nov 2019 12:22

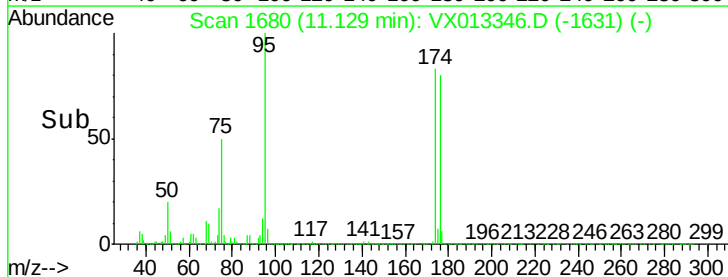
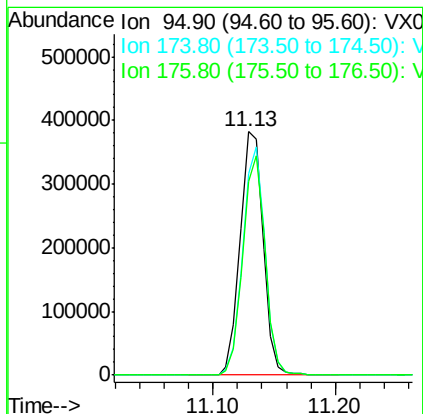
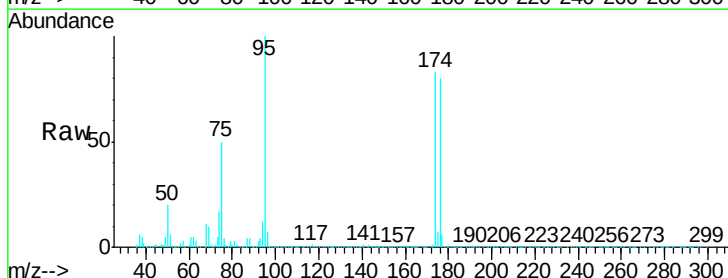
Tgt Ion: 95 Resp: 498512

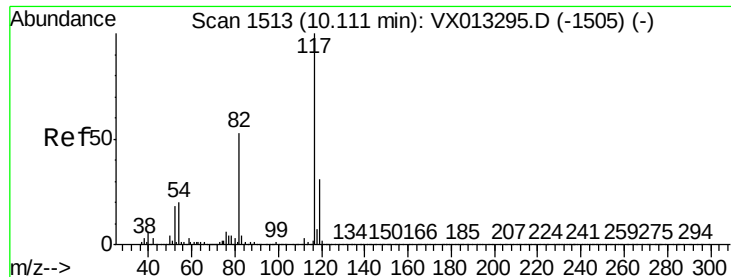
Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

176 87.6 0.0 173.0

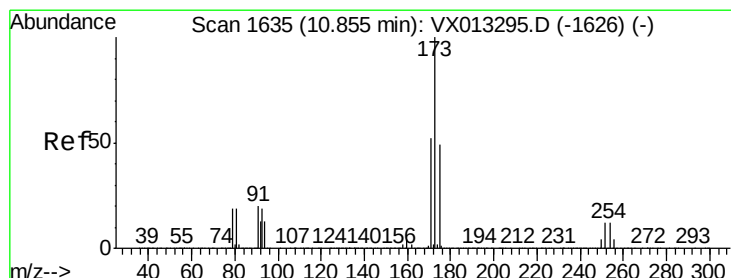
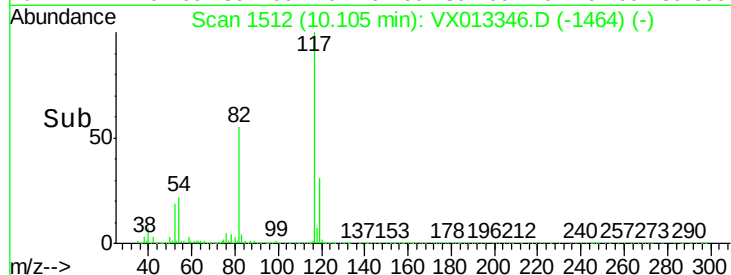
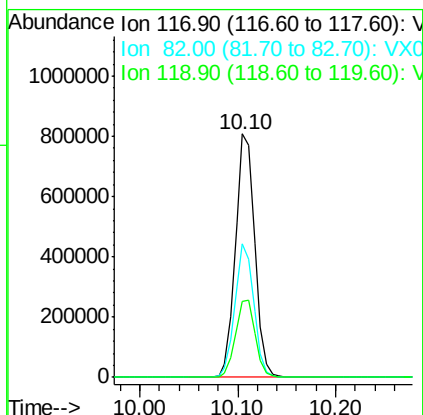
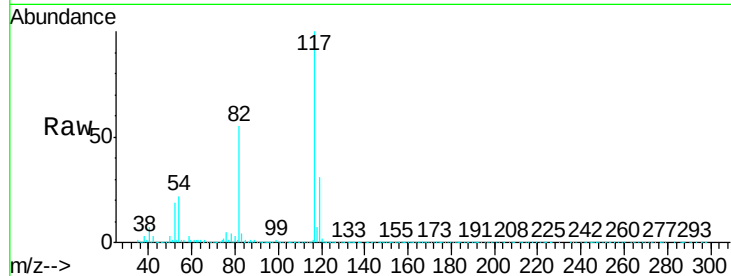




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013346.D
Acq: 07 Nov 2019 12:22

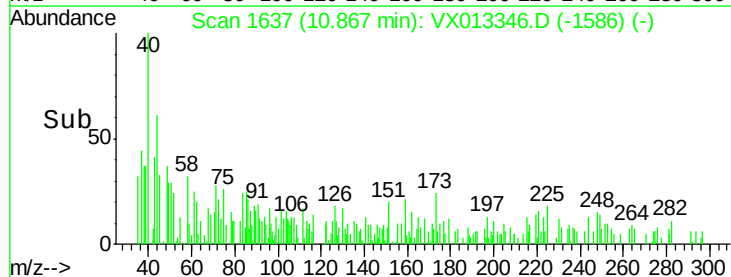
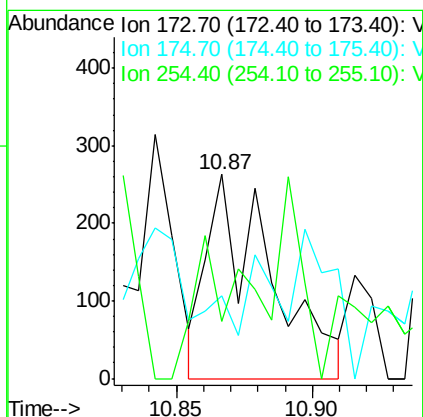
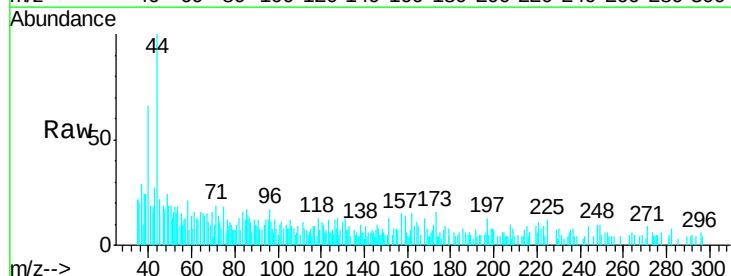
Instrument :
MSVOA_X
ClientSampleId :
(ERB)-EQUIPMENT-RINSATE-BLAN

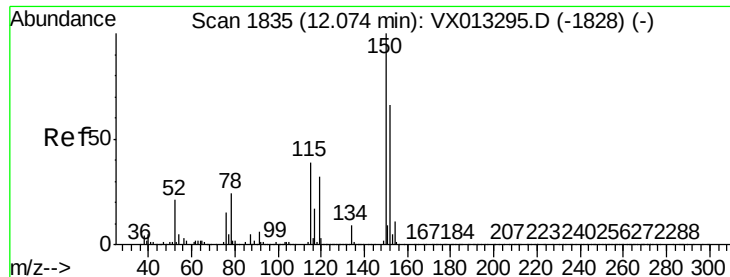
Tgt Ion:117 Resp: 1108047
Ion Ratio Lower Upper
117 100
82 54.6 42.6 64.0
119 31.2 24.8 37.2



#71
Bromoform
Concen: 3.255 ug/l
RT: 10.87 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VX013346.D
Acq: 07 Nov 2019 12:22

Tgt Ion:173 Resp: 424
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 50.7 0.2 0.2#

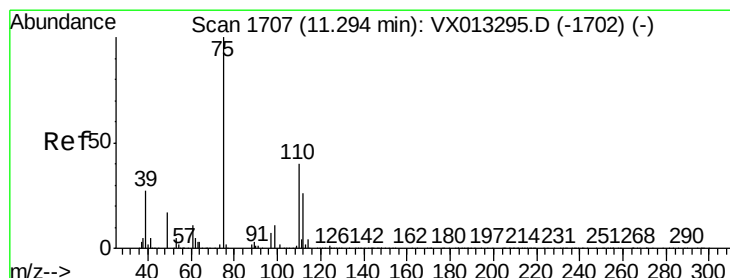
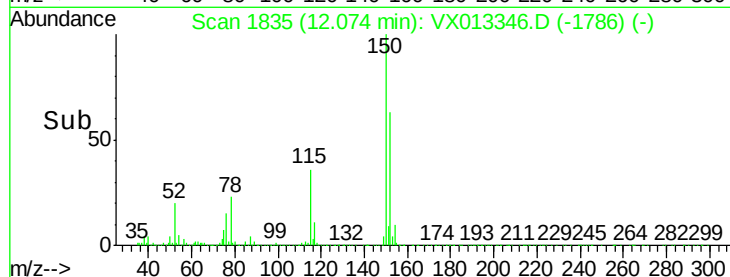
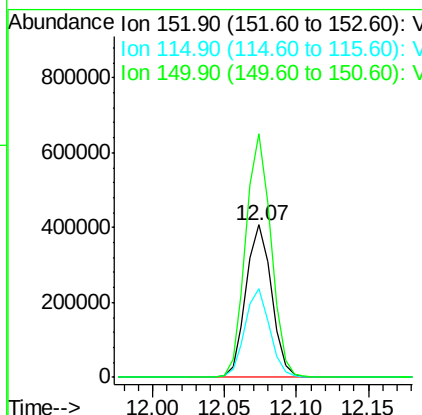
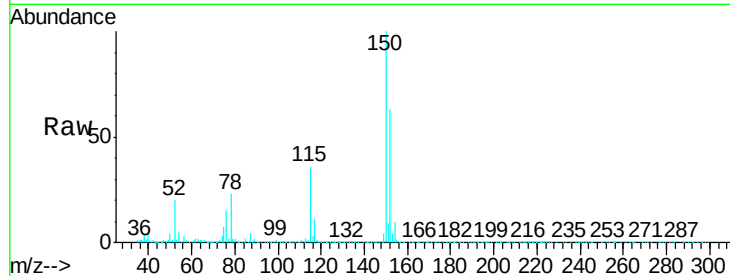




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX013346.D
 Acq: 07 Nov 2019 12:22

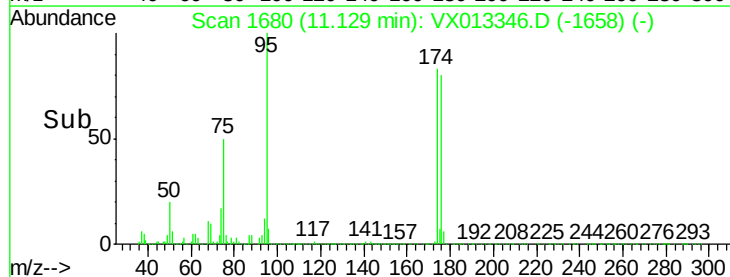
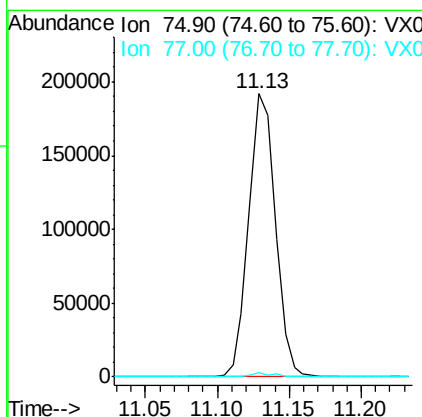
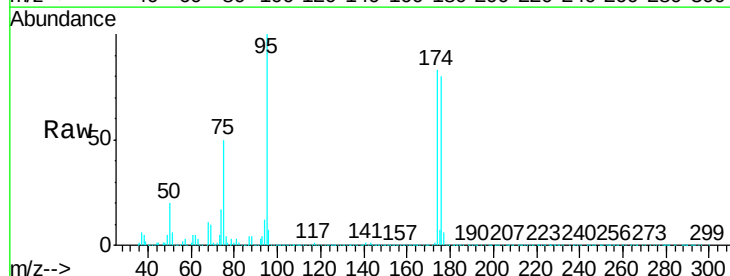
Instrument :
 MSVOA_X
 ClientSampleId :
 (ERB)-EQUIPMENT-RINSATE-BLAN

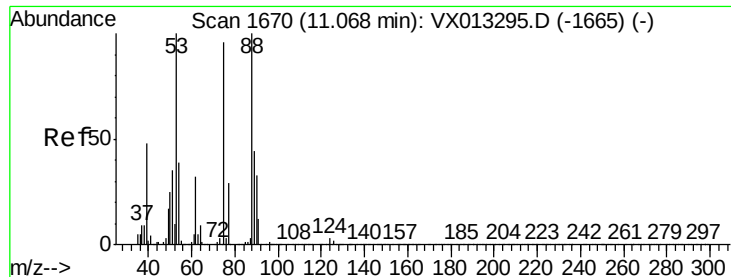
Tgt Ion: 152 Resp: 500638
 Ion Ratio Lower Upper
 152 100
 115 56.3 39.5 118.3
 150 157.9 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 24.196 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013346.D
 Acq: 07 Nov 2019 12:22

Tgt Ion: 75 Resp: 246036
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.3 66.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.279 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013346.D
 Acq: 07 Nov 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :
 (ERB)-EQUIPMENT-RINSATE-BLAN

Tgt Ion: 75 Resp: 246036
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.6#
 89 0.1 36.0 54.0#

