

Data File : VX013938.D
Acq On : 11 Dec 2019 12:48
Operator : JC/SP
Sample : K6185-03DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20191204DL

Quant Time: Dec 12 03:58:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	529509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	816990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	740272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	351341	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	295836	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
35) Dibromofluoromethane	5.48	113	238361	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
50) Toluene-d8	8.71	98	969071	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.14	95	340641	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

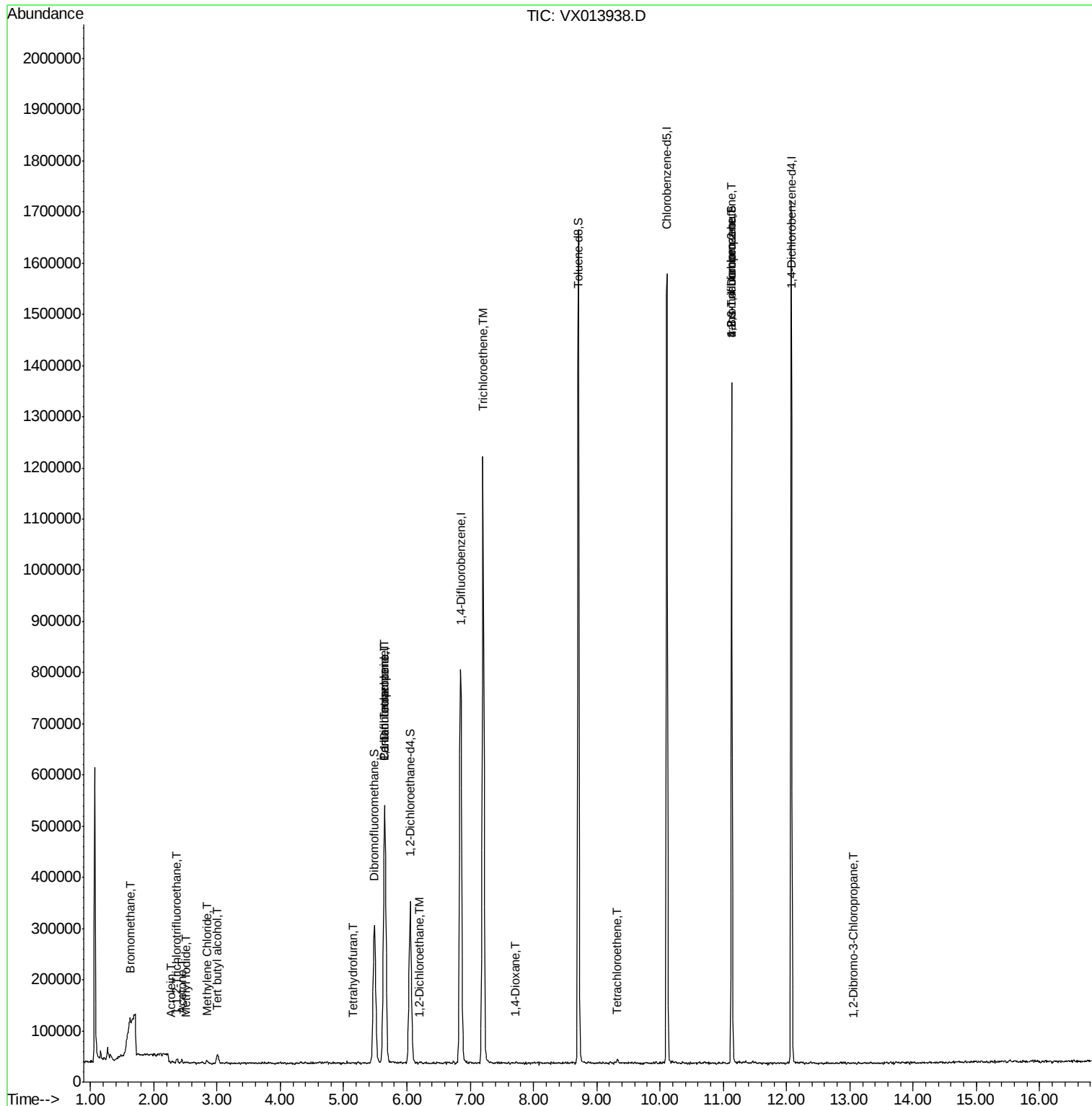
Target Compounds				Qvalue		
5) Bromomethane	1.63	94	2662	0.533	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	3095	0.613	ug/l	91
10) Methyl Iodide	2.50	142	2027	0.332	ug/l #	78
11) Tert butyl alcohol	3.00	59	11842	7.806	ug/l #	81
13) Acrolein	2.28	56	75	6.076	ug/l #	15
16) Acetone	2.44	43	6371	2.099	ug/l #	87
20) Methylene Chloride	2.84	84	3952	0.678	ug/l #	81
29) Tetrahydrofuran	5.14	42	560	0.201	ug/l #	55
36) 1,1-Dichloropropene	5.65	75	36694	4.948	ug/l #	51
38) Carbon Tetrachloride	5.64	117	45846	6.704	ug/l #	15
42) 1,2-Dichloroethane	6.19	62	2103	0.273	ug/l #	59
44) Trichloroethene	7.20	130	465418	75.079	ug/l	100
49) 1,4-Dioxane	7.72	88	653	4.384	ug/l #	13
64) Tetrachloroethene	9.33	164	1500	0.272	ug/l	87
76) 1,2,3-Trichloropropane	11.14	75	168933	21.378	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	168933	58.486	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.04	75	377	0.203	ug/l	77

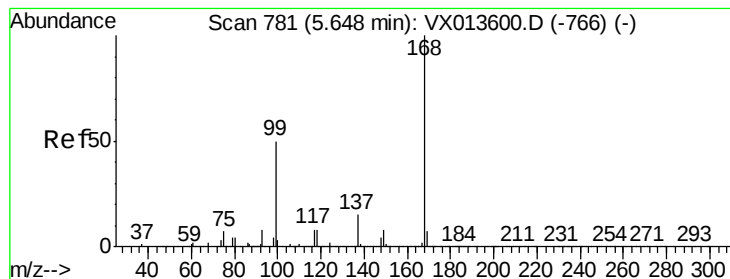
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

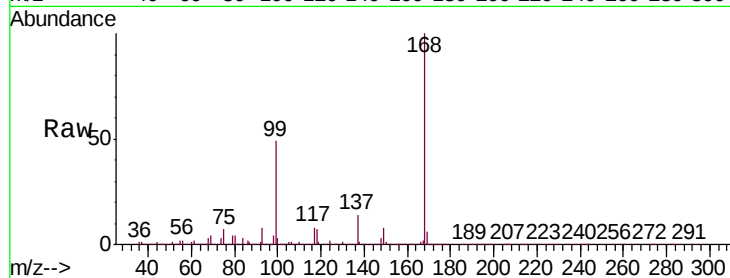
RE103D3-20191204DL

Tgt Ion: 168 Resp: 529509

Ion Ratio Lower Upper

168 100

99 48.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

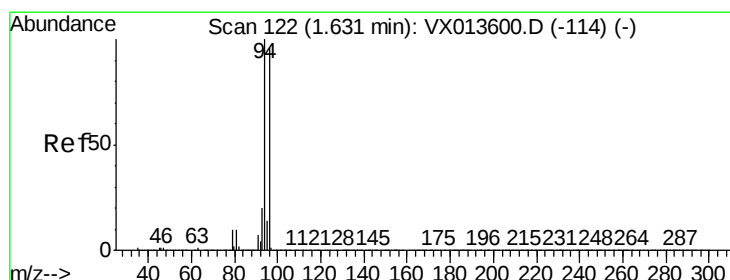
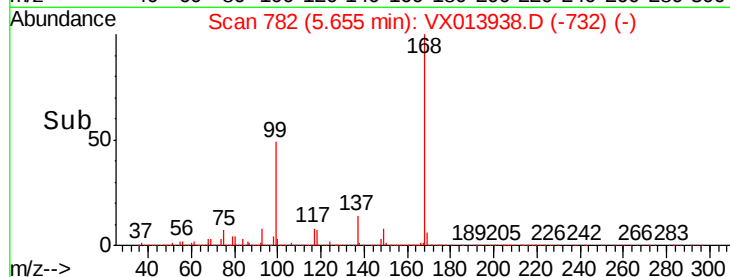
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.533 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013938.D

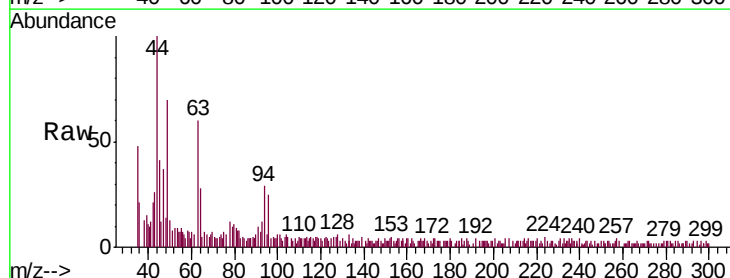
Acq: 11 Dec 2019 12:48

Tgt Ion: 94 Resp: 2662

Ion Ratio Lower Upper

94 100

96 99.9 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2500

2000

1500

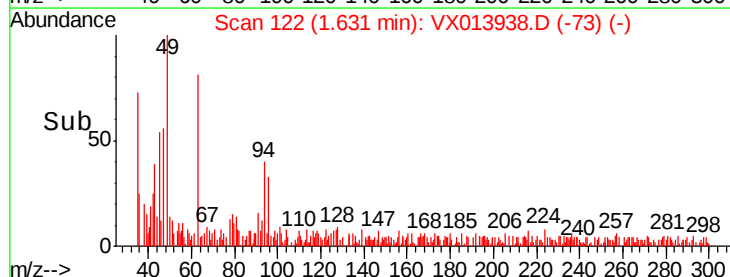
1000

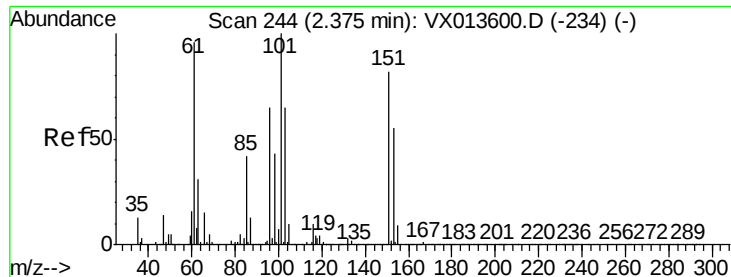
500

0

Time-->

1.55 1.60 1.65





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.613 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20191204DL

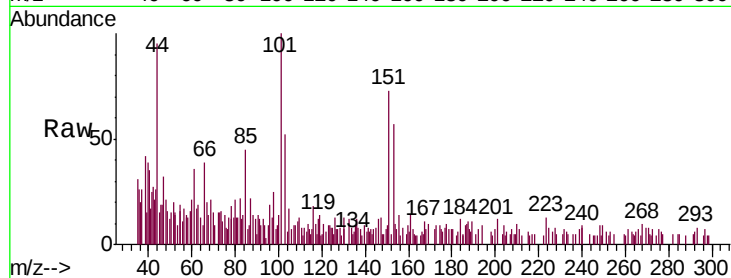
Tgt Ion:101 Resp: 3095

Ion Ratio Lower Upper

101 100

85 50.7 33.9 50.9

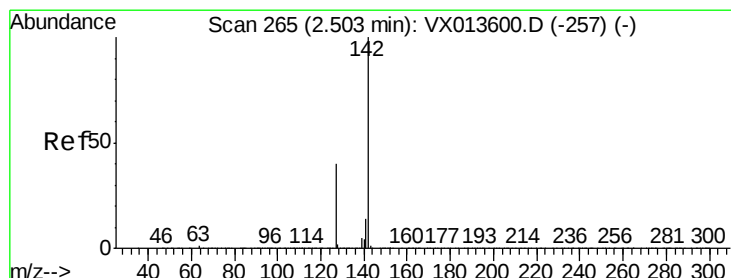
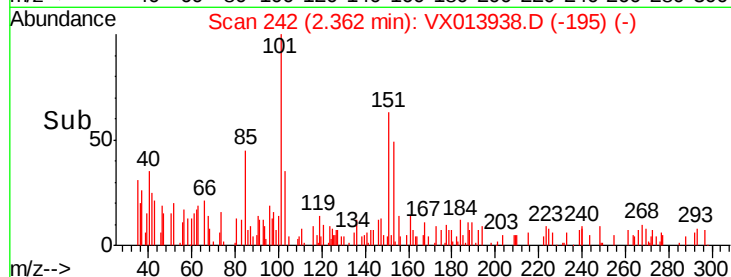
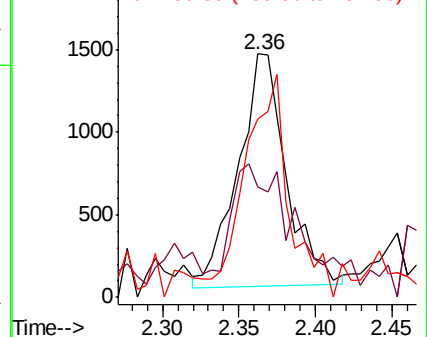
151 85.8 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

2000 Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.332 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

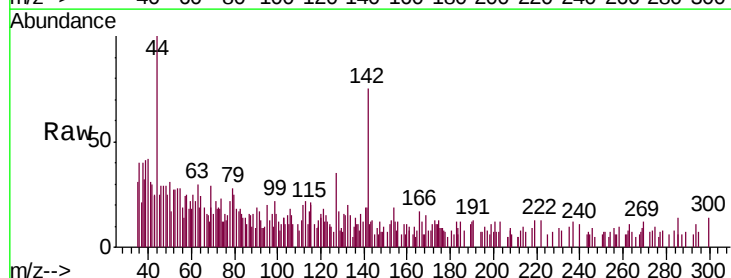
Tgt Ion:142 Resp: 2027

Ion Ratio Lower Upper

142 100

127 32.7 31.0 46.4

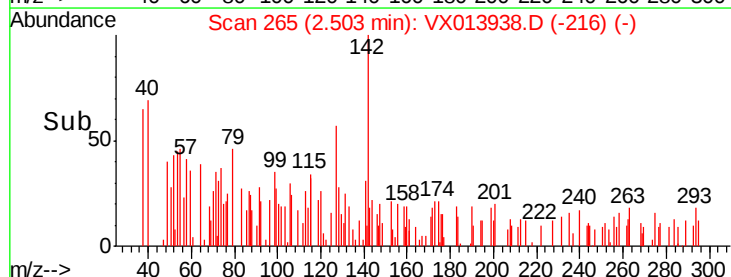
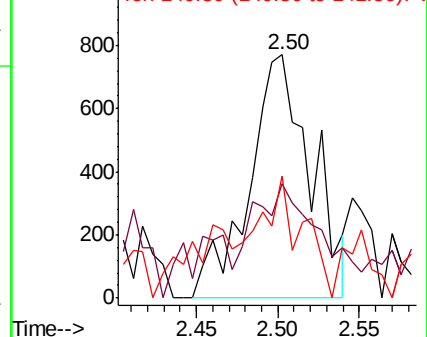
141 37.0 11.6 17.4#

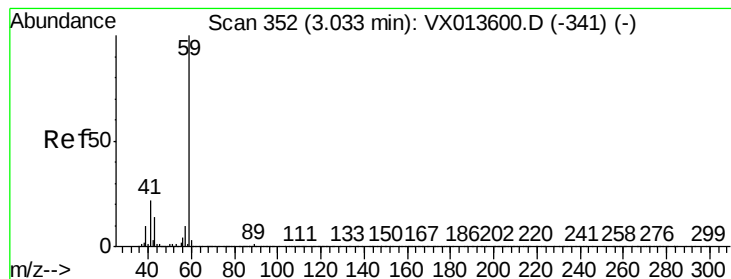


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



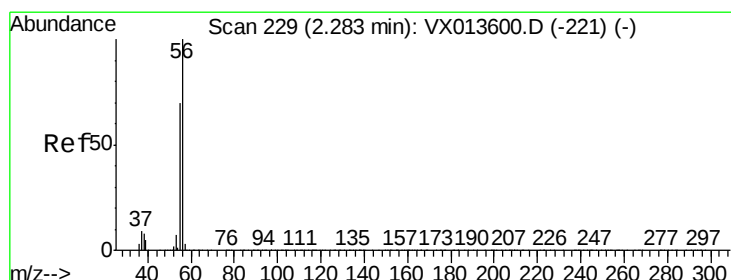
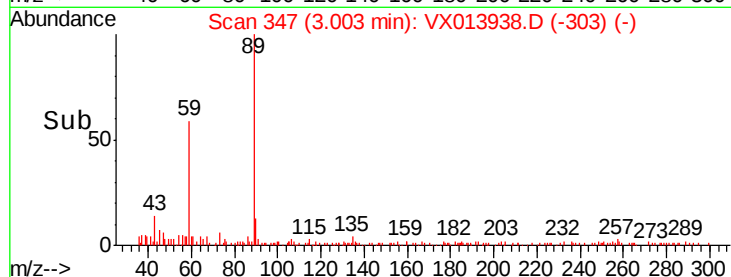
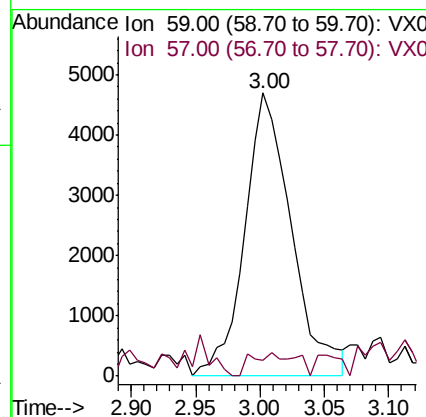
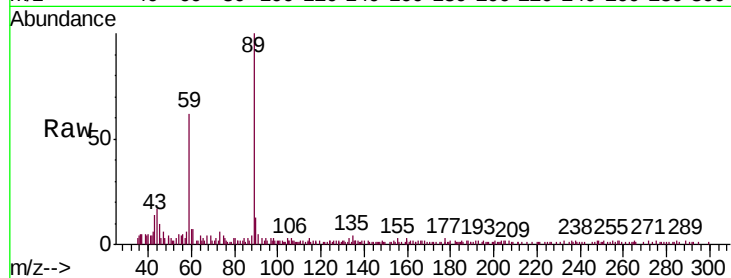


#11

Tert butyl alcohol
 Concen: 7.806 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.03 min
 Lab File: VX013938.D
 Acq: 11 Dec 2019 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20191204DL

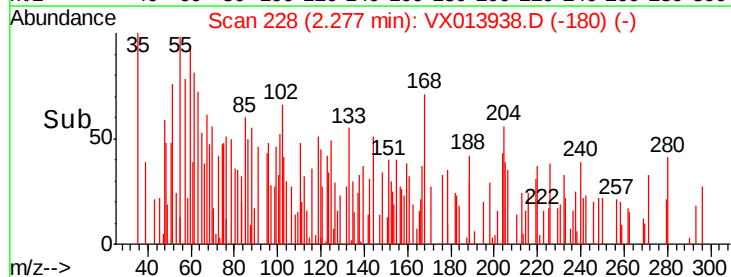
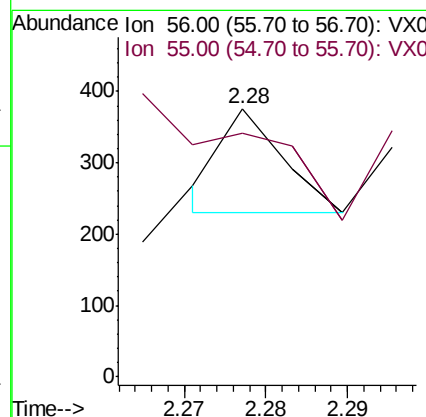
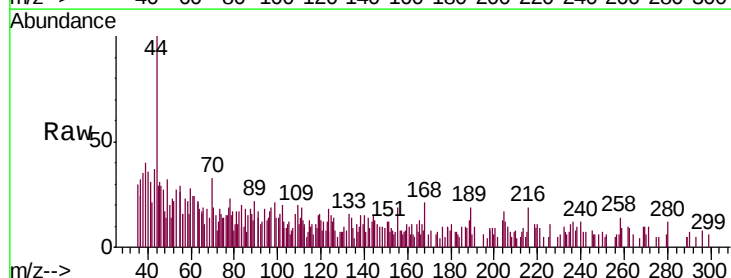
Tgt Ion: 59 Resp: 11842
 Ion Ratio Lower Upper
 59 100
 57 2.8 7.8 11.6#

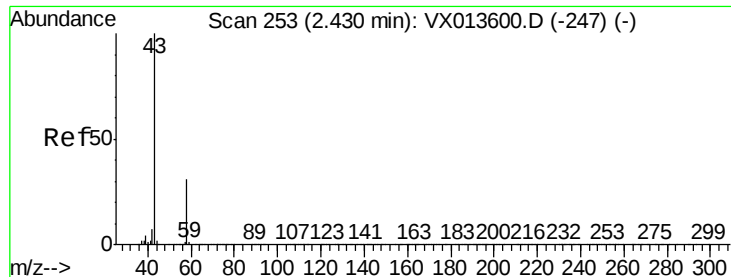


#13

Acrolein
 Concen: 6.076 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX013938.D
 Acq: 11 Dec 2019 12:48

Tgt Ion: 56 Resp: 75
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.2 84.4#





#16

Acetone

Concen: 2.099 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

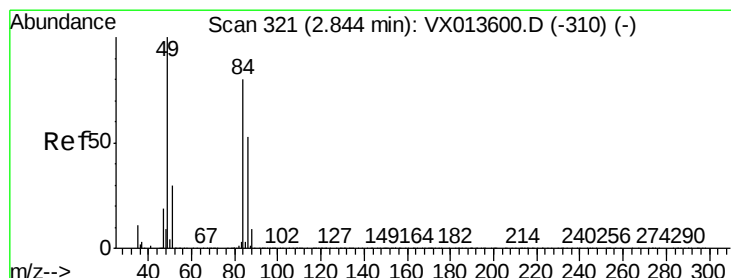
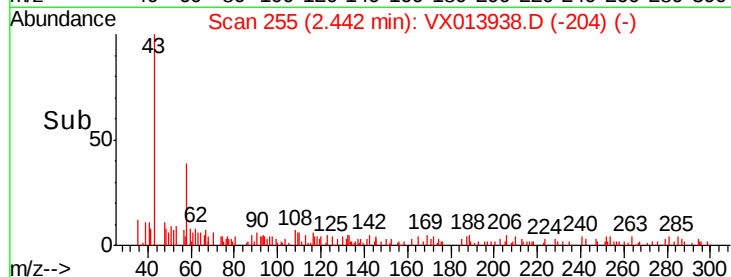
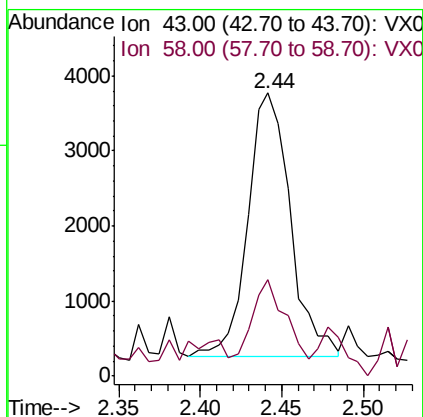
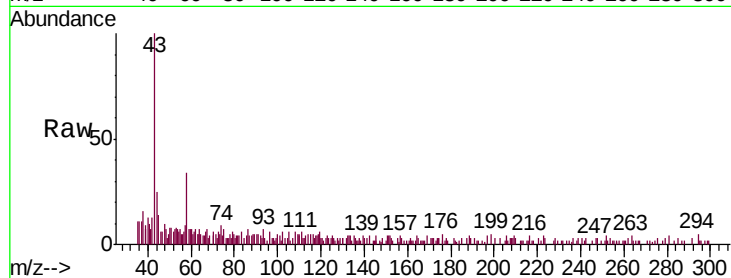
RE103D3-20191204DL

Tgt Ion: 43 Resp: 6371

Ion Ratio Lower Upper

43 100

58 23.3 24.6 36.8#



#20

Methylene Chloride

Concen: 0.678 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Tgt Ion: 84 Resp: 3952

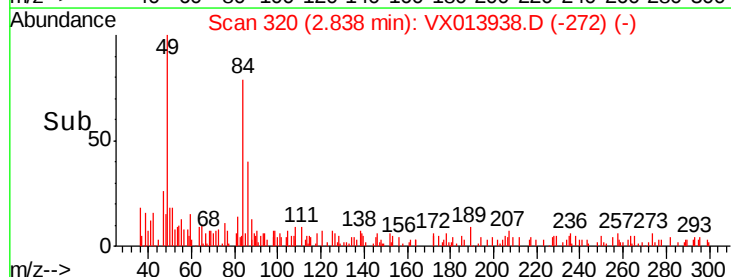
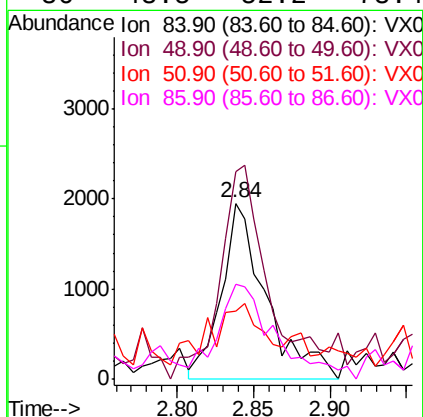
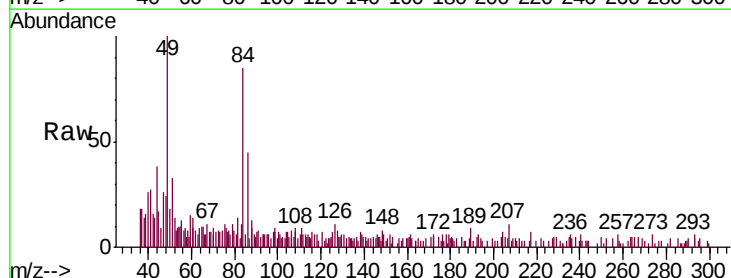
Ion Ratio Lower Upper

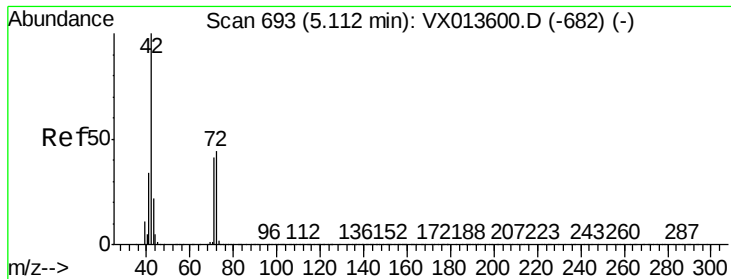
84 100

49 105.7 99.7 149.5

51 22.4 29.9 44.9#

86 48.5 52.2 78.4#

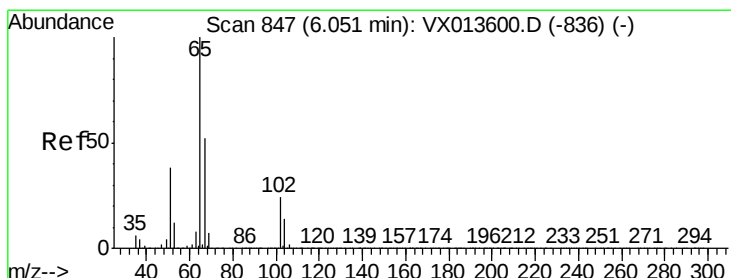
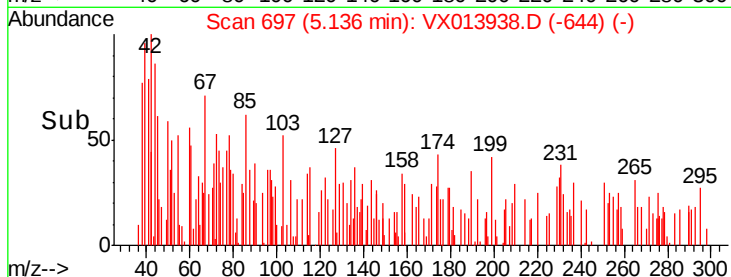
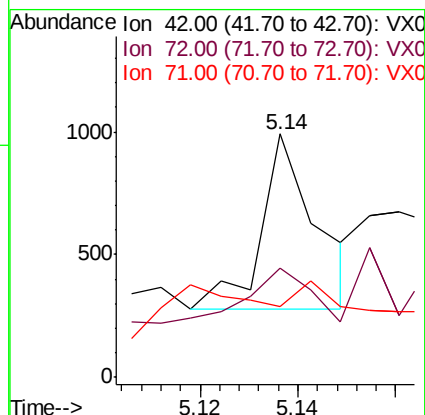
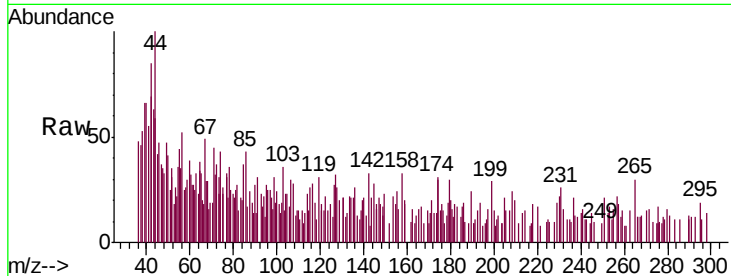




#29
Tetrahydrofuran
Concen: 0.201 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX013938.D
Acq: 11 Dec 2019 12:48

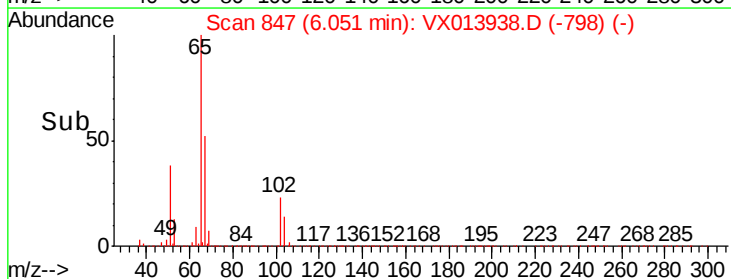
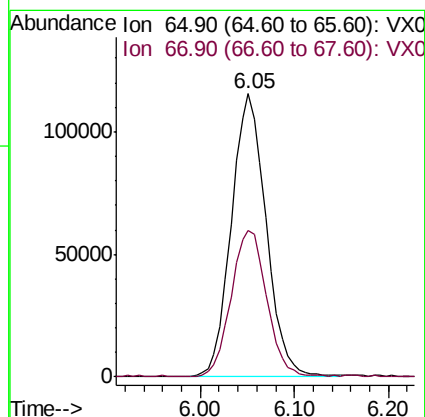
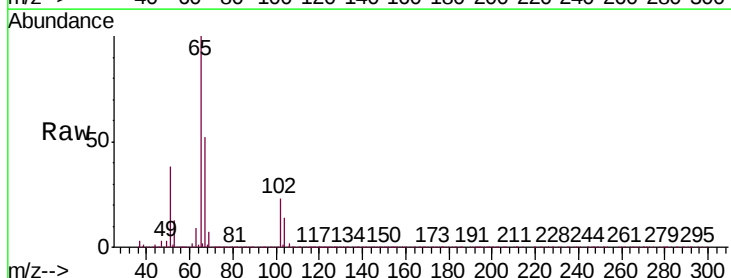
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20191204DL

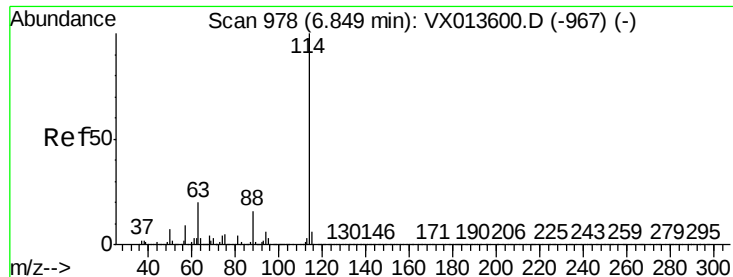
Tgt Ion: 42 Resp: 560
Ion Ratio Lower Upper
42 100
72 85.4 36.3 54.5#
71 59.3 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 48.132 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013938.D
Acq: 11 Dec 2019 12:48

Tgt Ion: 65 Resp: 295836
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20191204DL

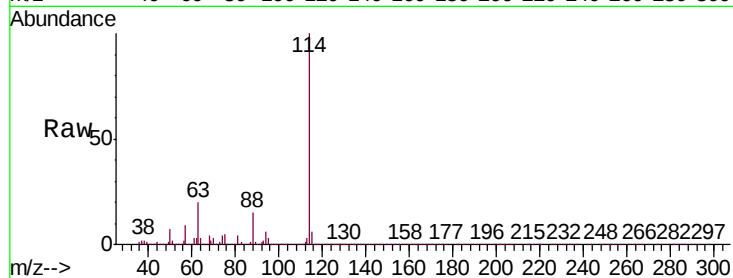
Tgt Ion:114 Resp: 816990

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

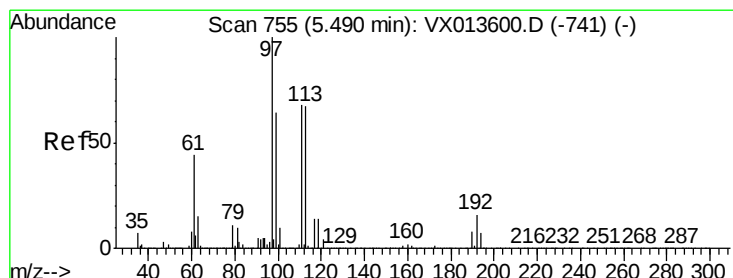
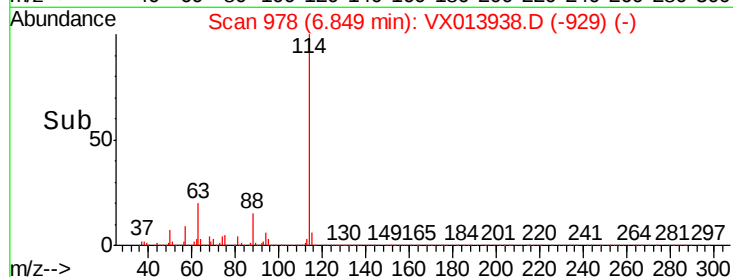
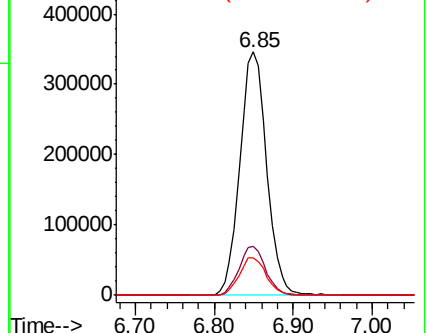
88 15.1 0.0 31.4



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: 47.193 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

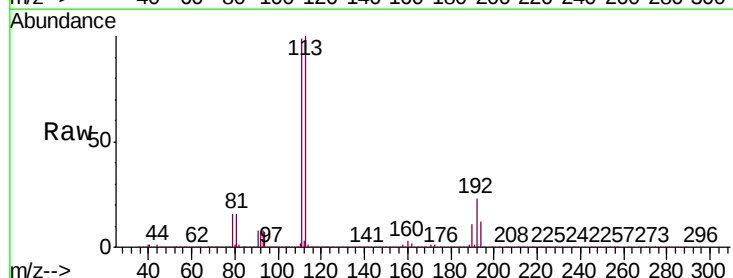
Tgt Ion:113 Resp: 238361

Ion Ratio Lower Upper

113 100

111 102.5 83.6 125.4

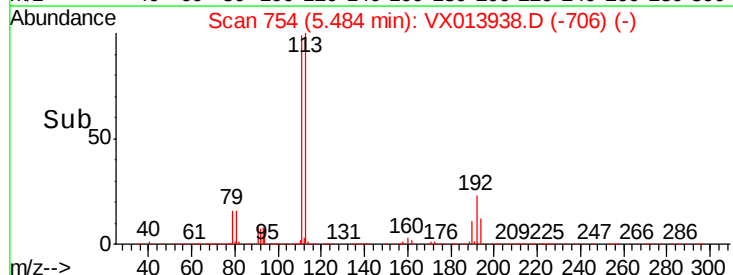
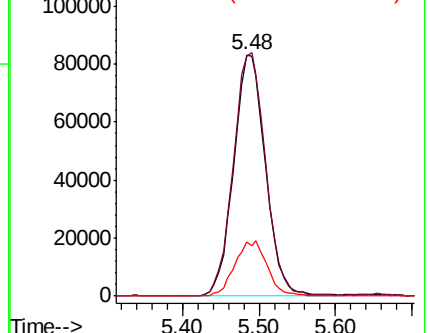
192 23.4 19.2 28.8

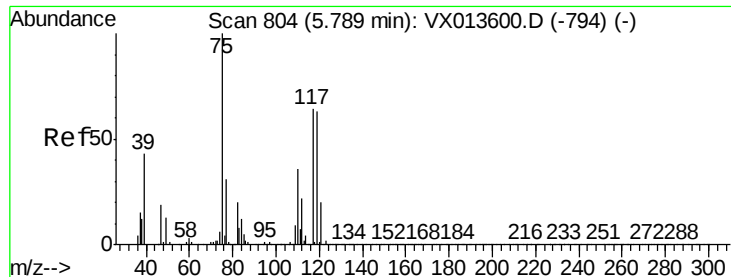


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

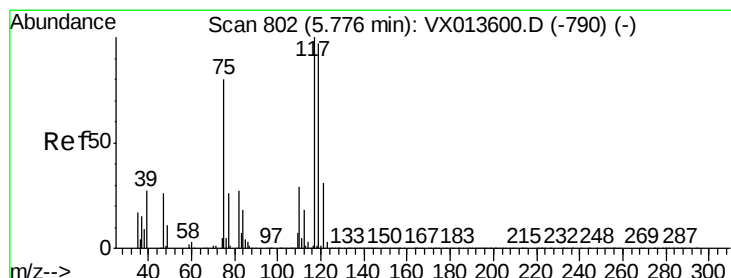
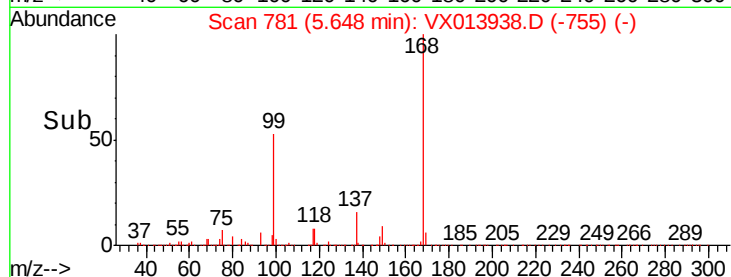
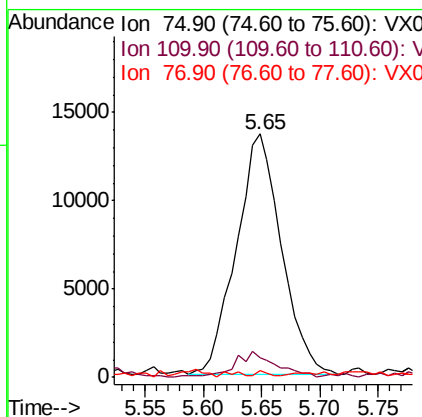
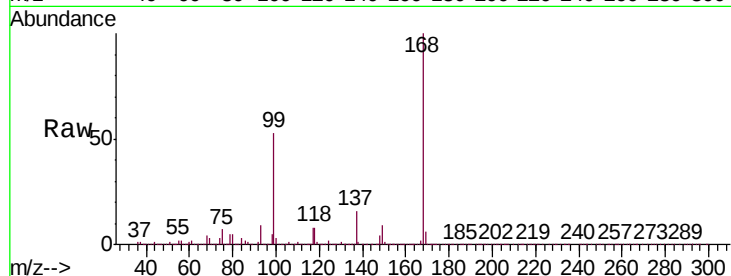




#36
 1,1-Dichloropropene
 Concen: 4.948 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013938.D
 Acq: 11 Dec 2019 12:48

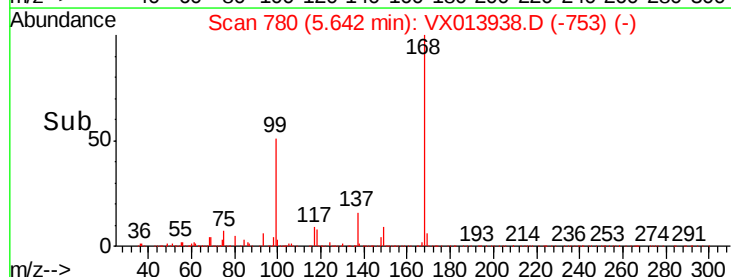
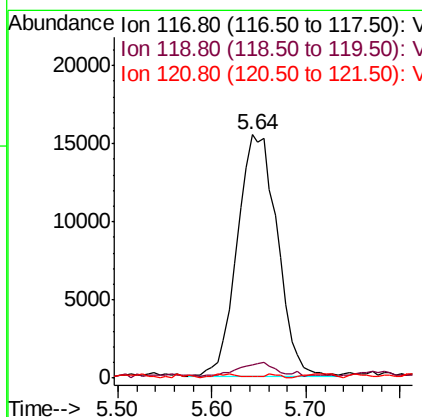
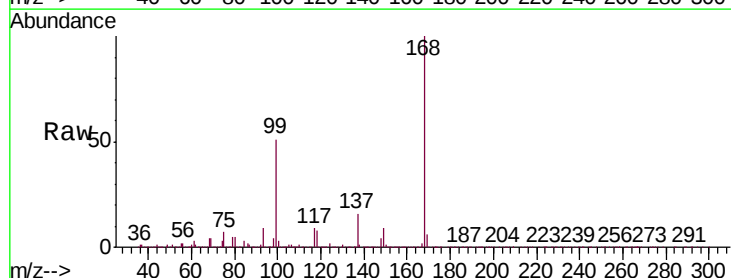
Instrument :
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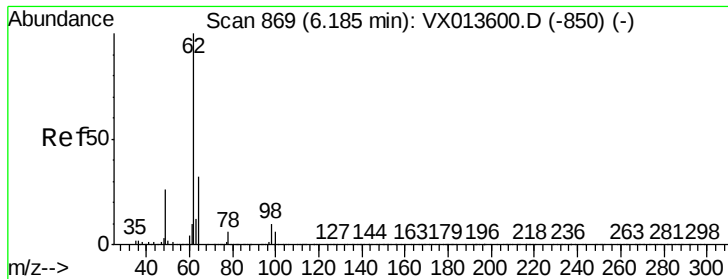
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.6	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.704 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013938.D
 Acq: 11 Dec 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.5	116.3#
121	0.0	25.0	37.6#





#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

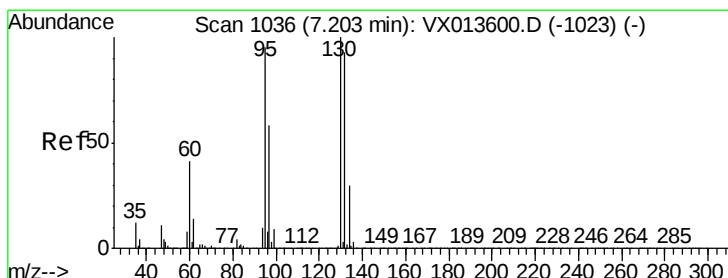
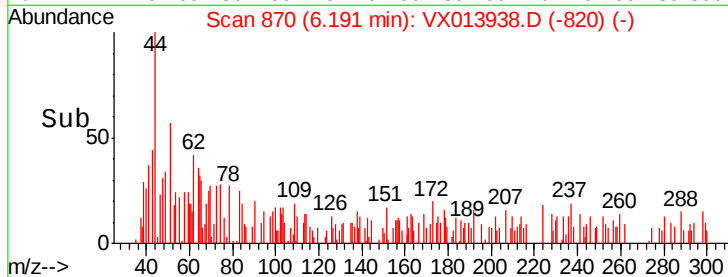
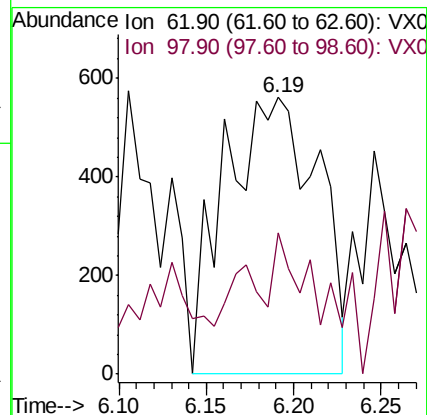
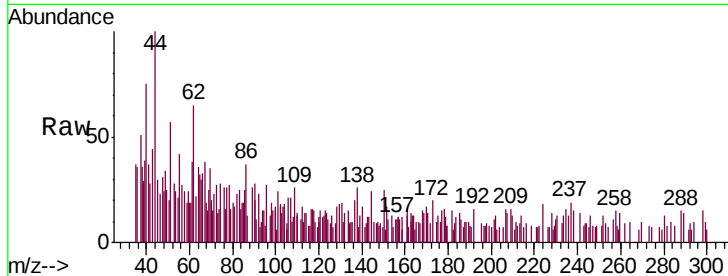
RE103D3-20191204DL

Tgt Ion: 62 Resp: 2103

Ion Ratio Lower Upper

62 100

98 25.8 0.0 20.8#



#44

Trichloroethene

Concen: 75.079 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013938.D

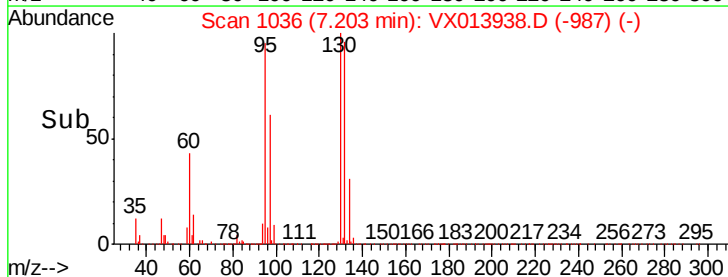
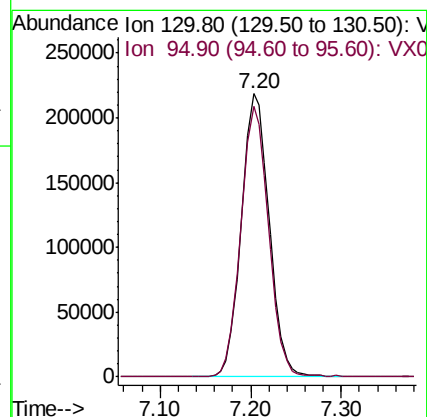
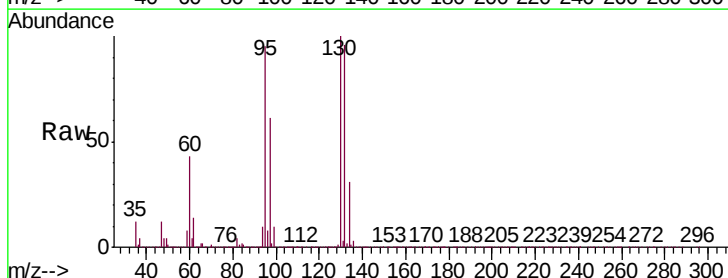
Acq: 11 Dec 2019 12:48

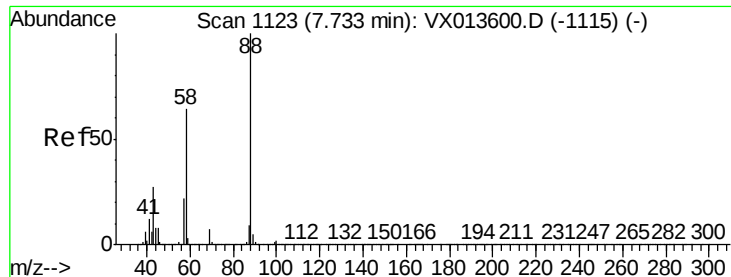
Tgt Ion:130 Resp: 465418

Ion Ratio Lower Upper

130 100

95 95.4 0.0 190.8





#49

1,4-Dioxane

Concen: 4.384 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20191204DL

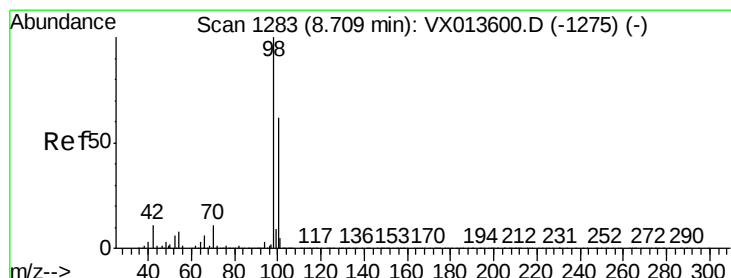
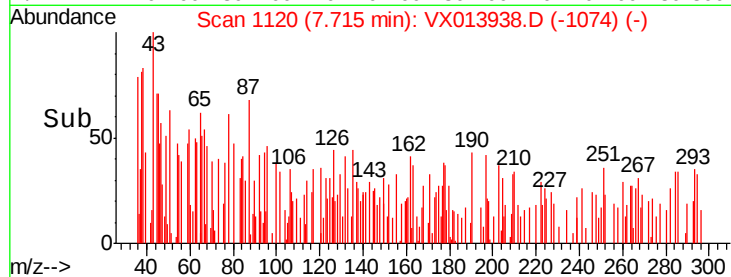
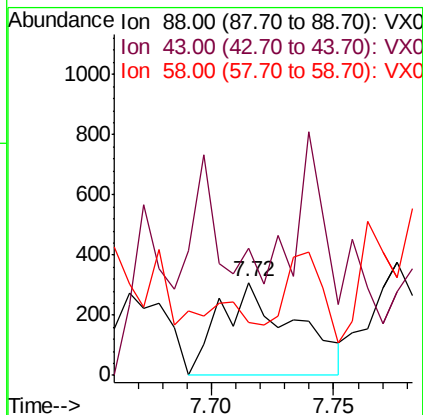
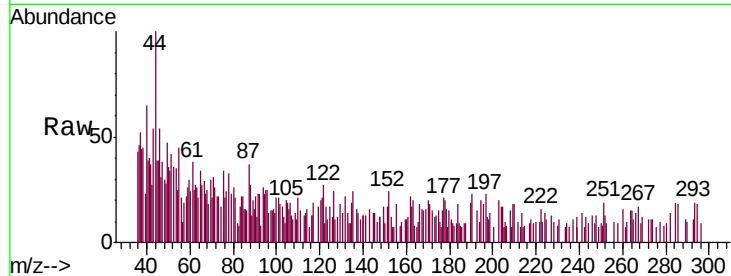
Tgt Ion: 88 Resp: 653

Ion Ratio Lower Upper

88 100

43 84.8 25.8 38.6#

58 0.0 54.6 82.0#



#50

Toluene-d8

Concen: 49.246 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013938.D

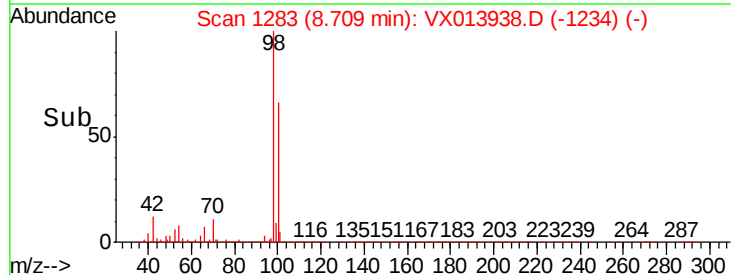
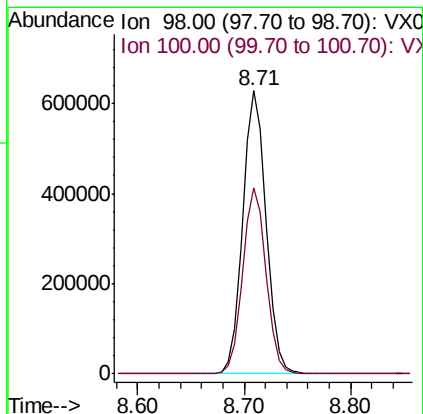
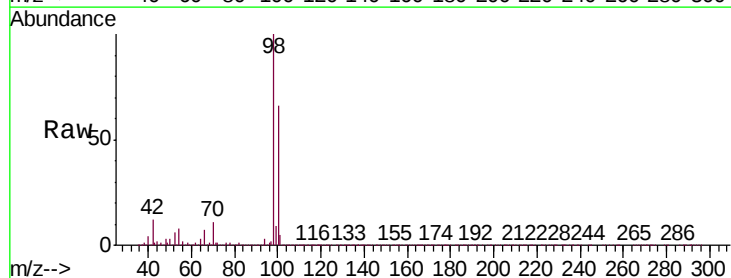
Acq: 11 Dec 2019 12:48

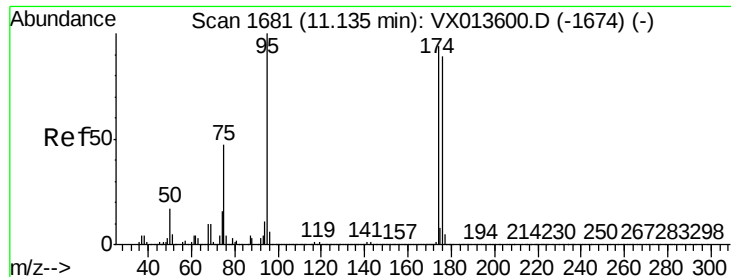
Tgt Ion: 98 Resp: 969071

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

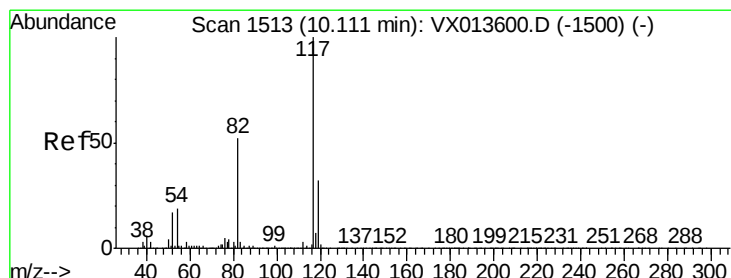
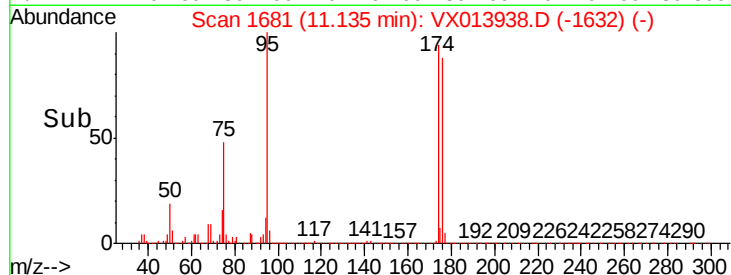
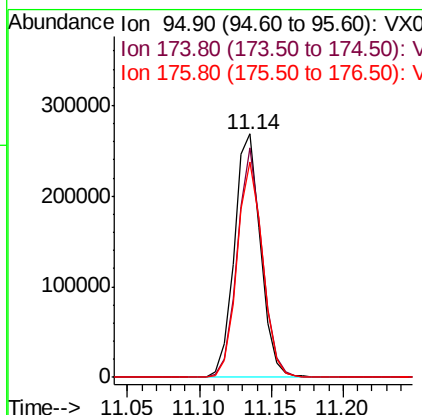
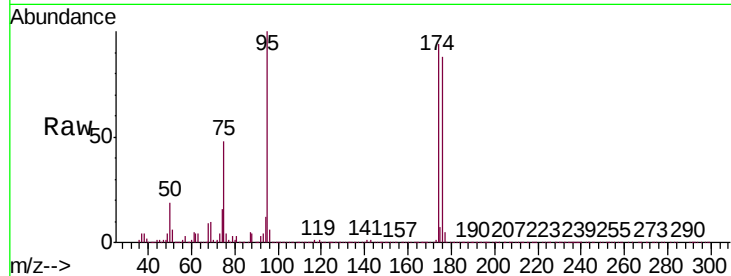




#62
4-Bromofluorobenzene
Concen: 48.004 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013938.D
Acq: 11 Dec 2019 12:48

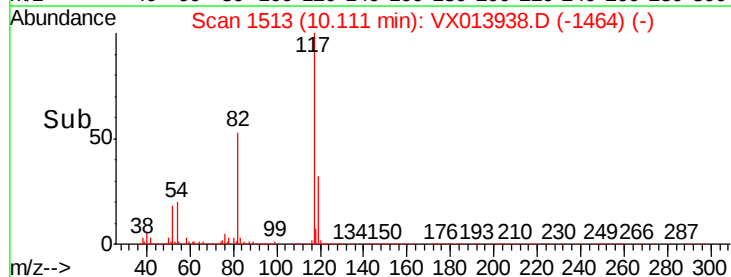
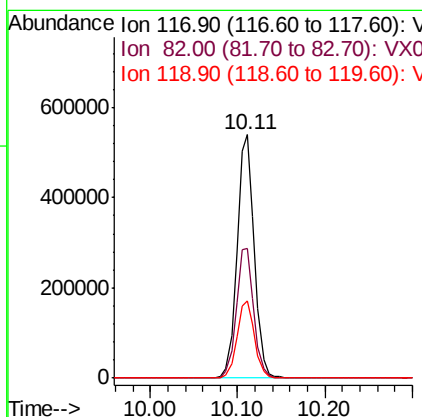
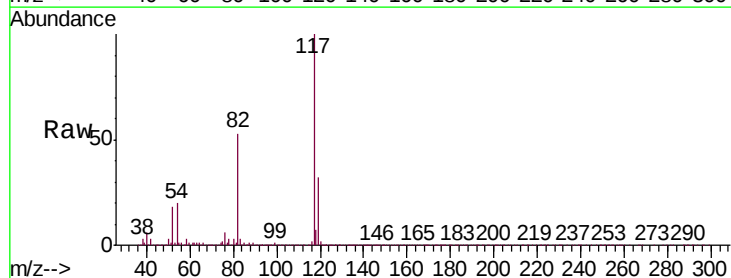
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20191204DL

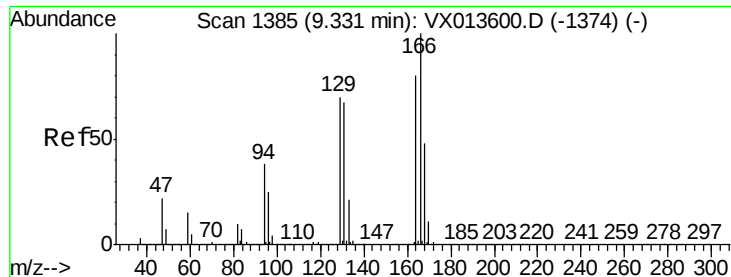
Tgt Ion: 95 Resp: 340641
Ion Ratio Lower Upper
95 100
174 89.4 0.0 180.0
176 86.6 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013938.D
Acq: 11 Dec 2019 12:48

Tgt Ion: 117 Resp: 740272
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.8
119 31.7 25.8 38.8





#64

Tetrachloroethene

Concen: 0.272 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

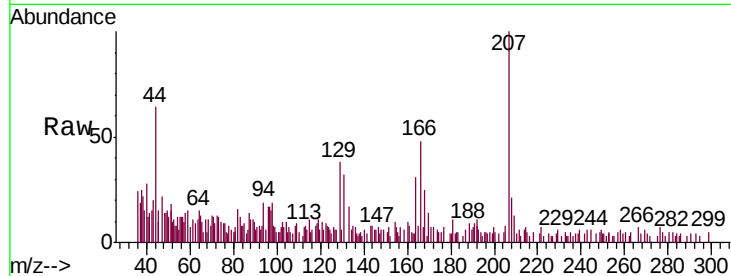
Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20191204DL

Tgt Ion:	164	Resp:	1500
Ion	Ratio	Lower	Upper
164	100		
166	132.6	99.7	149.5
129	105.0	70.1	105.1
131	69.8	66.9	100.3

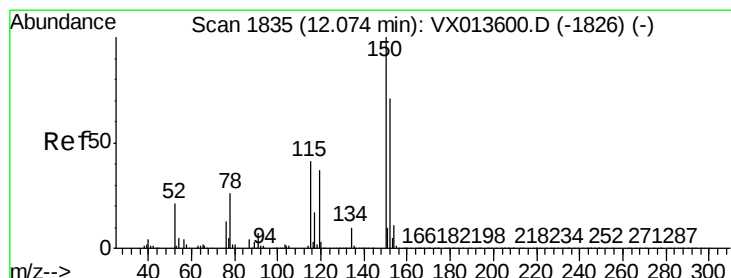
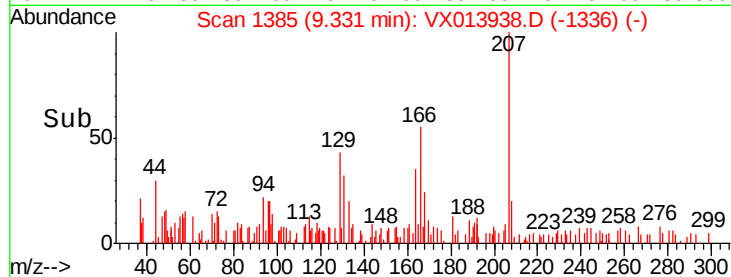
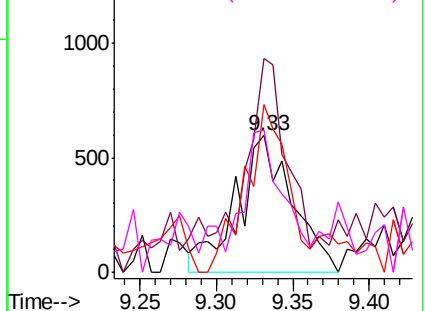


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

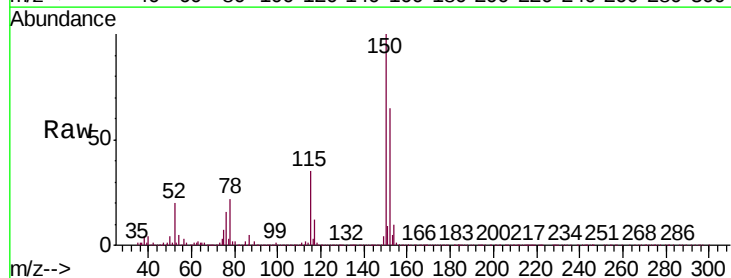
RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

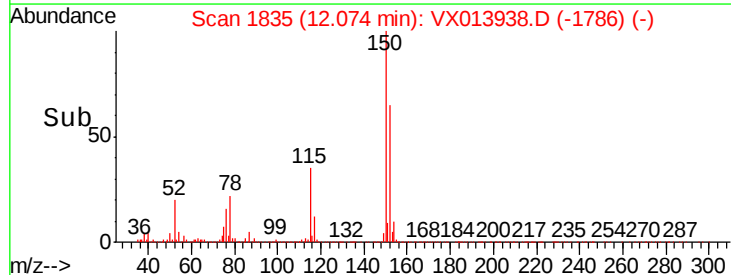
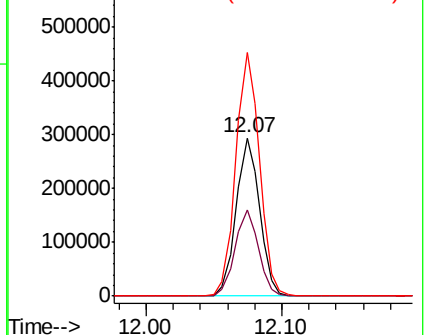
Tgt Ion:	152	Resp:	351341
Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.4	115.1
150	155.9	0.0	346.8

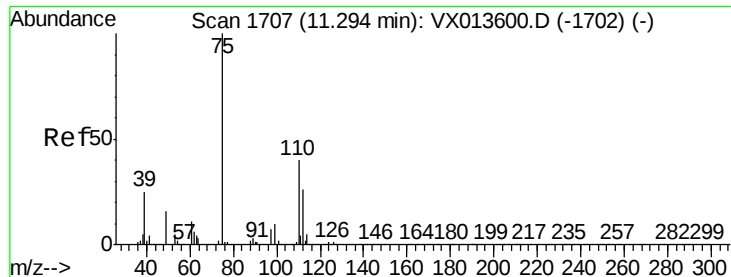


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.378 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

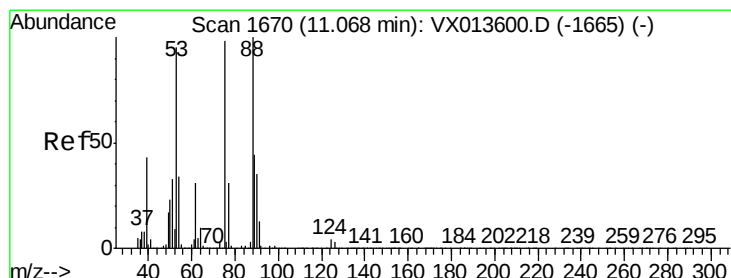
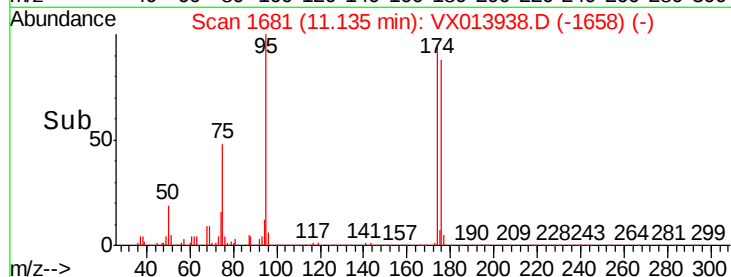
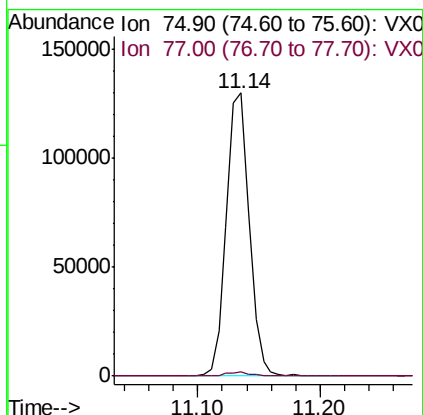
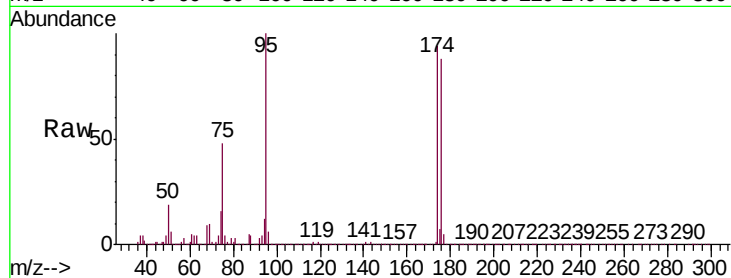
RE103D3-20191204DL

Tgt Ion: 75 Resp: 168933

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.486 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

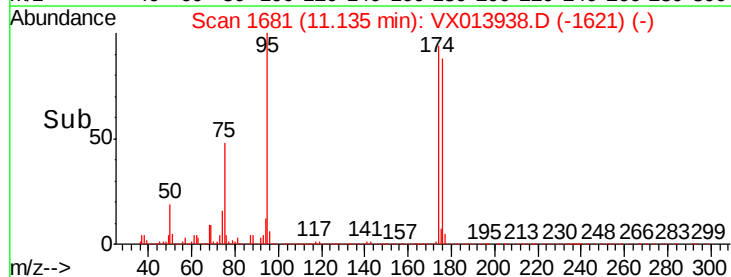
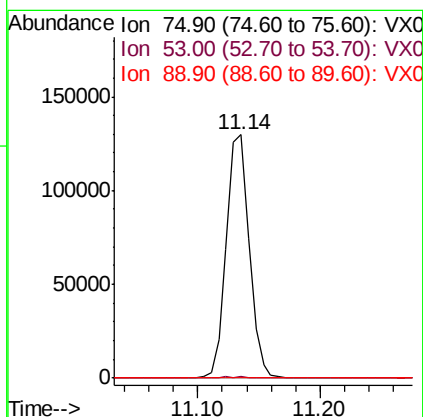
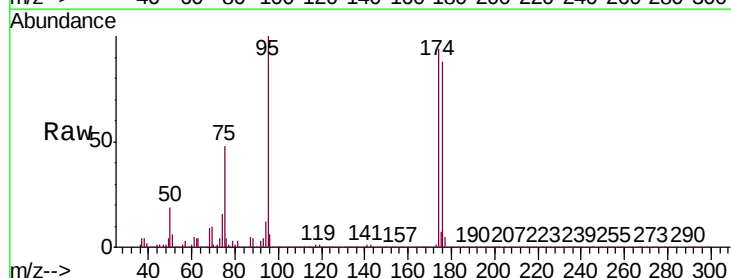
Tgt Ion: 75 Resp: 168933

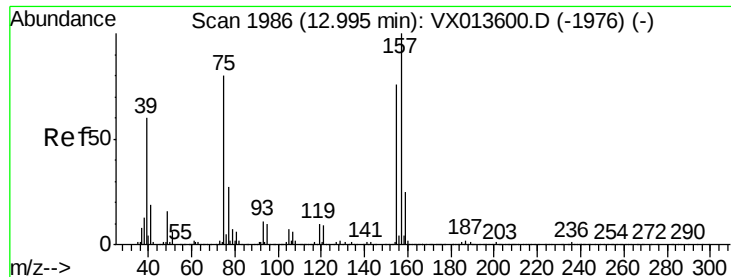
Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.203 ug/l

RT: 13.04 min Scan# 1994

Delta R.T. 0.05 min

Lab File: VX013938.D

Acq: 11 Dec 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20191204DL

Tgt Ion: 75 Resp: 377

Ion Ratio Lower Upper

75 100

155 90.2 47.6 142.8

157 81.7 62.1 186.2

