

Data File : VX013916.D
Acq On : 10 Dec 2019 23:00
Operator : JC/SP
Sample : VX1210WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL02

Quant Time: Dec 11 02:33:13 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	578490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	886414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	781207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	349416	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	321526	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	5.49	113	264841	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	8.71	98	1040885	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.14	95	344960	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

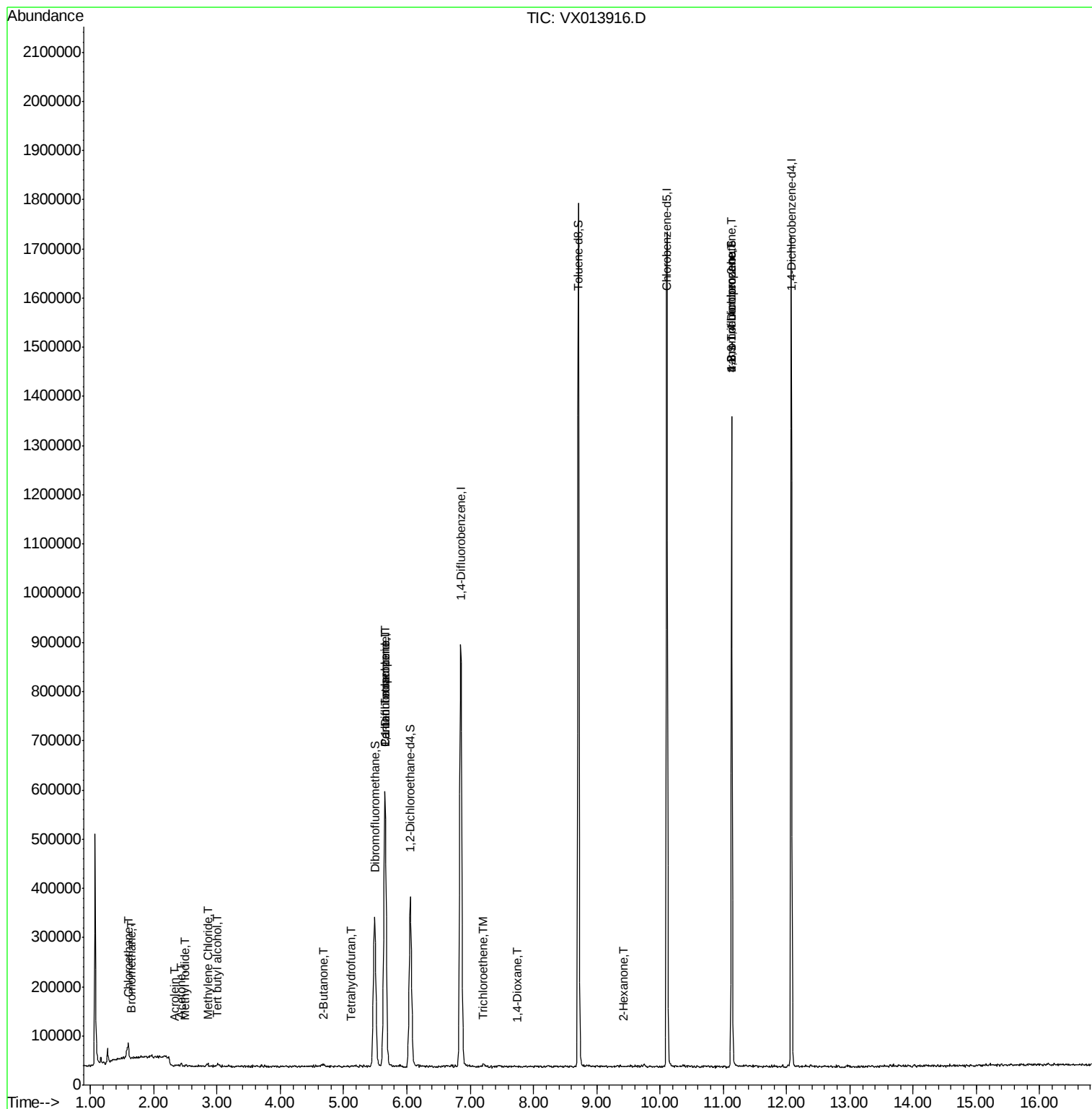
Target Compounds						Qvalue
5) Bromomethane	1.64	94	1853	0.339	ug/l #	41
6) Chloroethane	1.59	64	2160	0.467	ug/l #	81
10) Methyl Iodide	2.50	142	1562	0.234	ug/l #	87
11) Tert butyl alcohol	3.01	59	5111	3.084	ug/l	99
13) Acrolein	2.32	56	270	6.241	ug/l #	30
16) Acetone	2.43	43	6684	2.016	ug/l #	88
20) Methylene Chloride	2.84	84	3844	0.604	ug/l #	74
25) 2-Butanone	4.69	43	3118	0.633	ug/l	92
29) Tetrahydrofuran	5.12	42	800	0.263	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	38974	4.844	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49962	6.734	ug/l #	15
44) Trichloroethene	7.20	130	3200	0.476	ug/l	96
49) 1,4-Dioxane	7.74	88	174	1.077	ug/l #	1
59) 2-Hexanone	9.42	43	1521	0.209	ug/l	80
76) 1,2,3-Trichloropropane	11.14	75	170615	21.710	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	170615	59.393	ug/l #	11

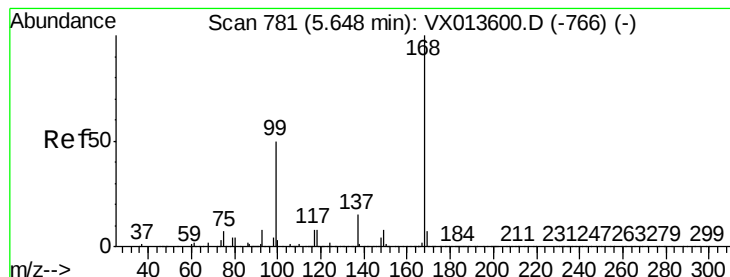
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

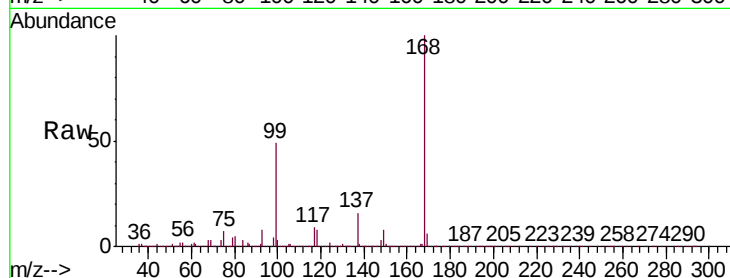
VX1210WBL02

Tgt Ion:168 Resp: 578490

Ion Ratio Lower Upper

168 100

99 48.5 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

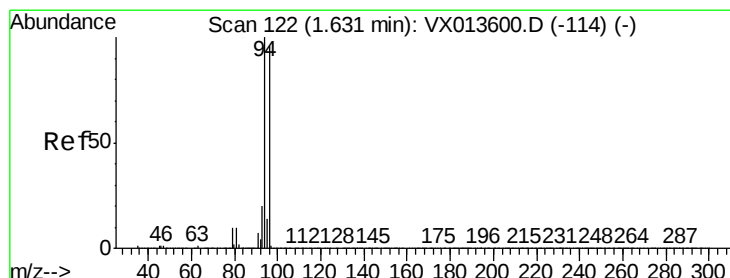
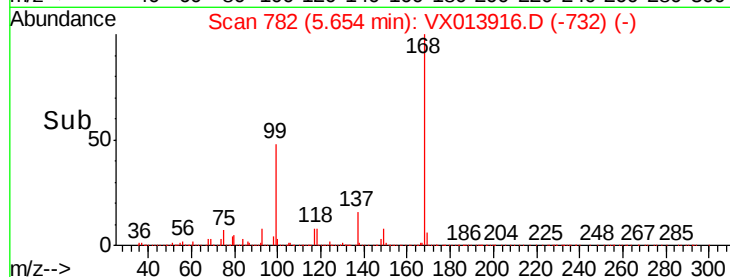
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013916.D

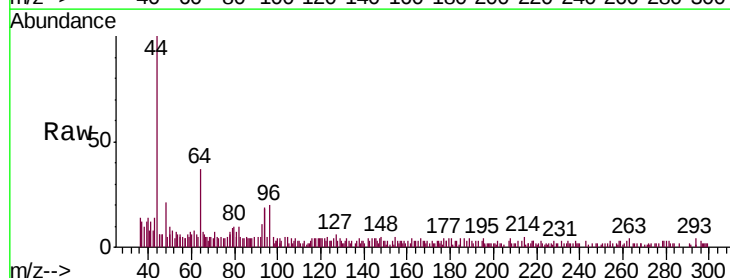
Acq: 10 Dec 2019 23:00

Tgt Ion: 94 Resp: 1853

Ion Ratio Lower Upper

94 100

96 38.7 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

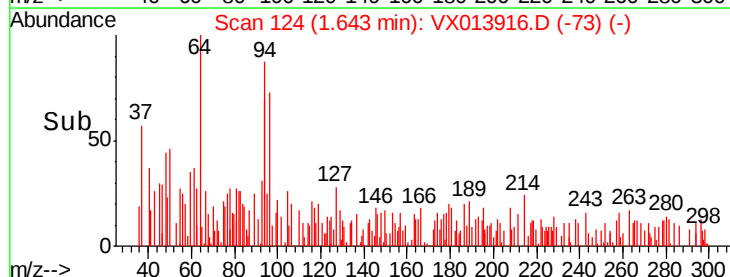
1000

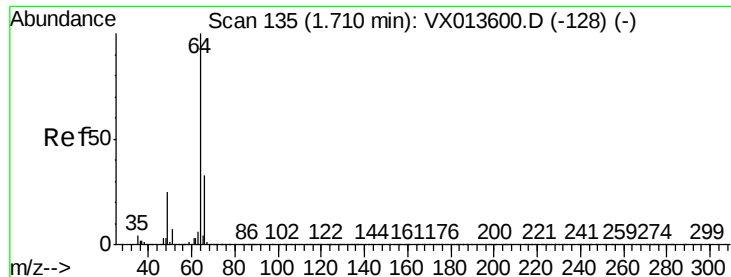
500

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.467 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.12 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

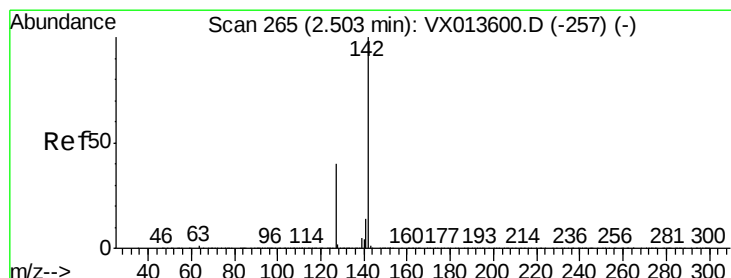
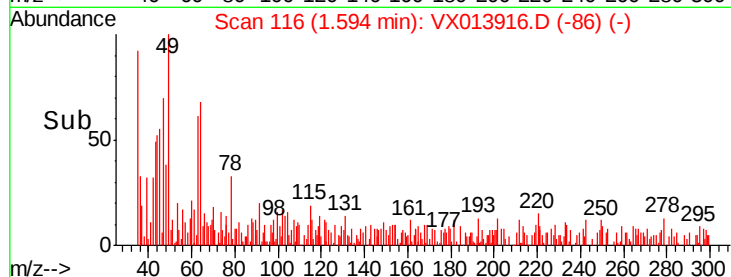
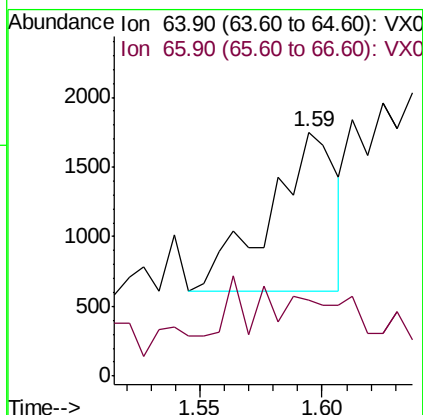
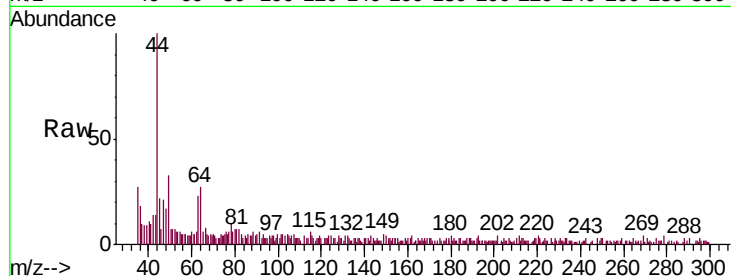
VX1210WBL02

Tgt Ion: 64 Resp: 2160

Ion Ratio Lower Upper

64 100

66 22.3 26.7 40.1#



#10

Methyl Iodide

Concen: 0.234 ug/l

RT: 2.50 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

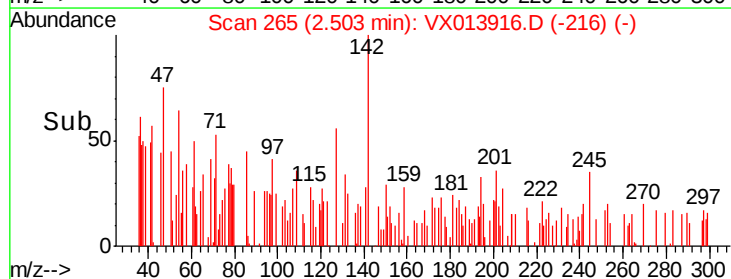
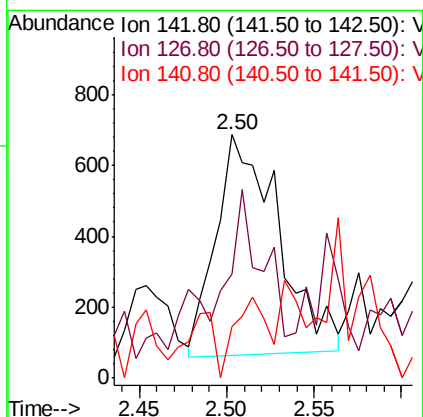
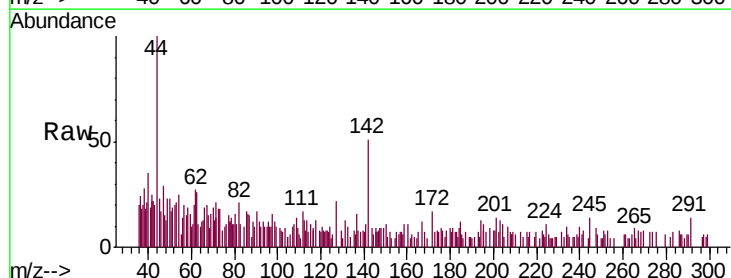
Tgt Ion: 142 Resp: 1562

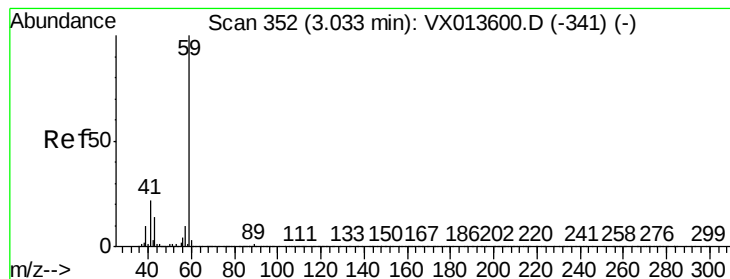
Ion Ratio Lower Upper

142 100

127 30.5 31.0 46.4#

141 19.0 11.6 17.4#



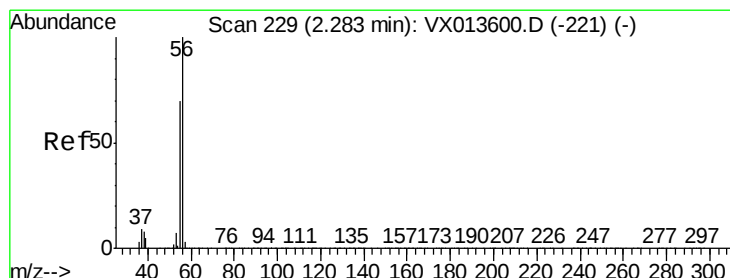
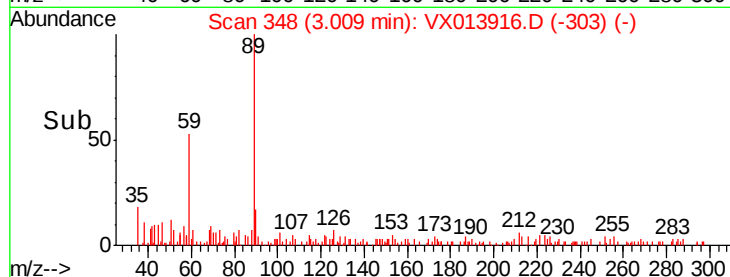
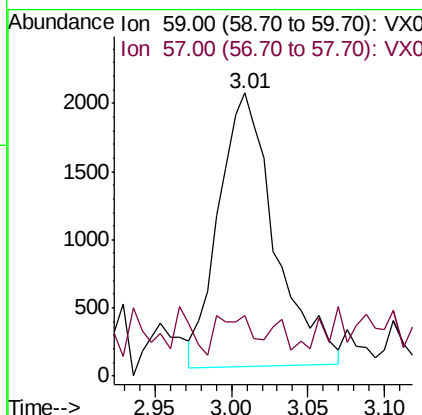
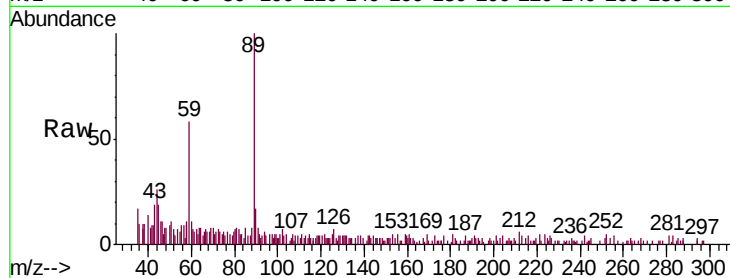


#11

Tert butyl alcohol
Concen: 3.084 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL02

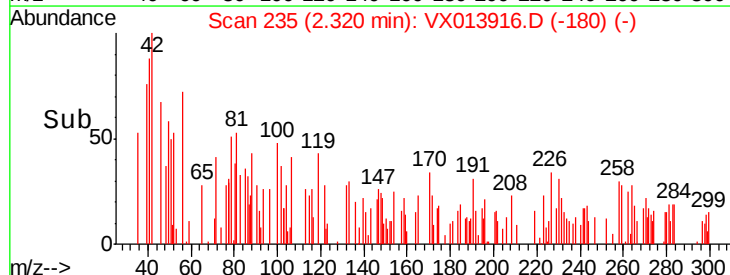
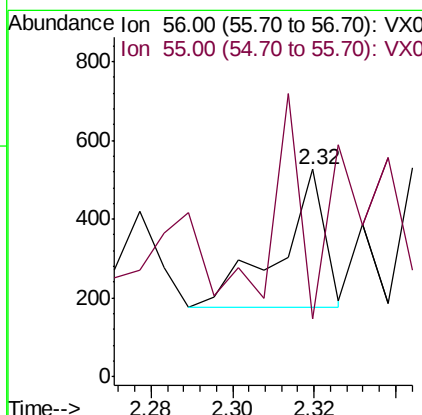
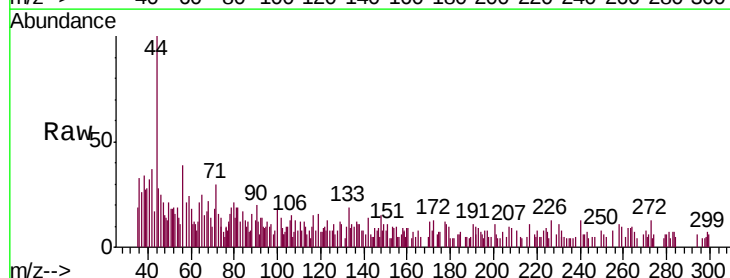
Tgt Ion: 59 Resp: 5111
Ion Ratio Lower Upper
59 100
57 9.4 7.8 11.6

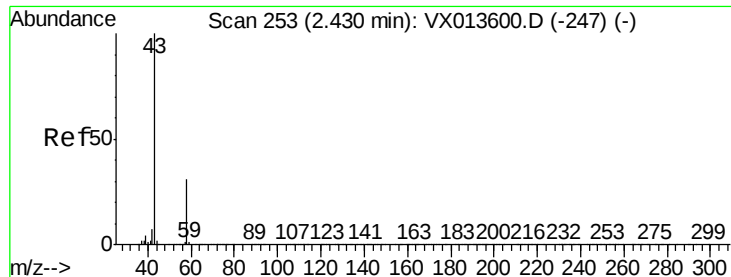


#13

Acrolein
Concen: 6.241 ug/l
RT: 2.32 min Scan# 235
Delta R.T. 0.04 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 128.1 56.2 84.4#

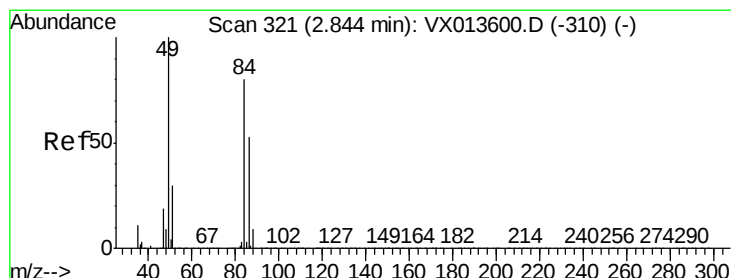
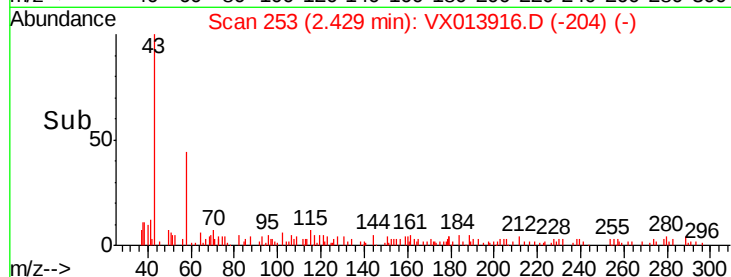
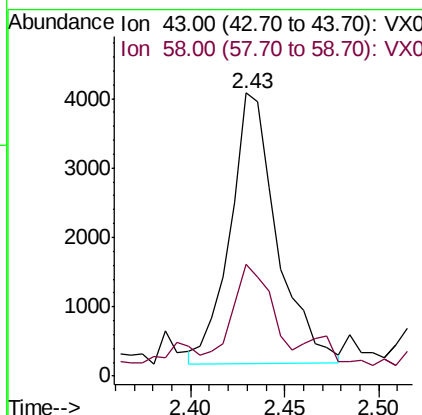
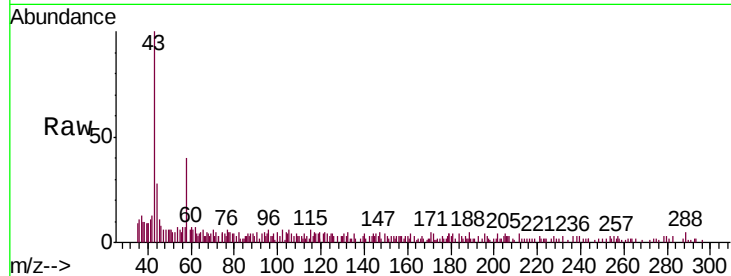




#16
Acetone
Concen: 2.016 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

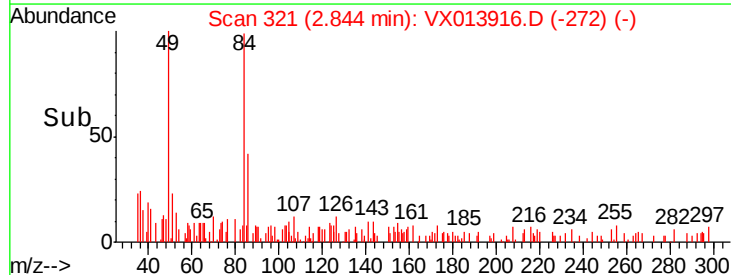
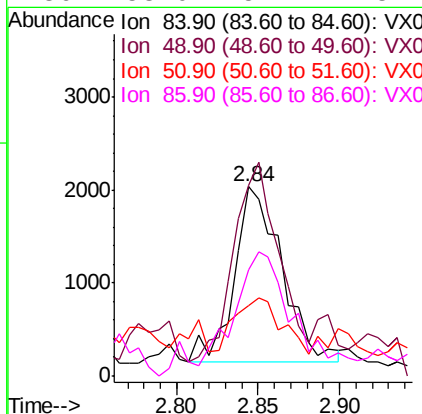
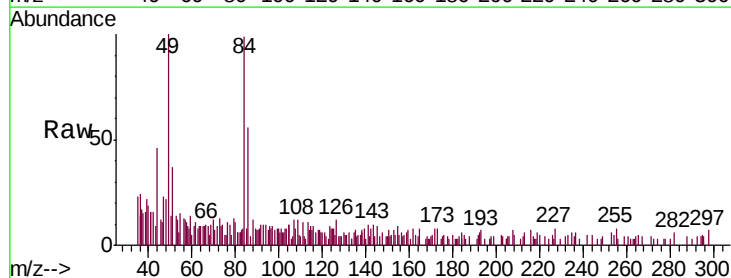
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL02

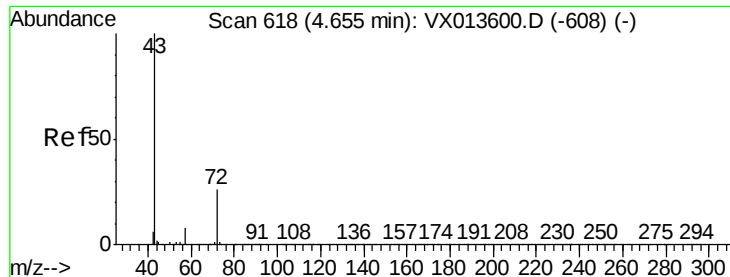
Tgt Ion: 43 Resp: 6684
Ion Ratio Lower Upper
43 100
58 37.5 24.6 36.8#



#20
Methylene Chloride
Concen: 0.604 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

Tgt Ion: 84 Resp: 3844
Ion Ratio Lower Upper
84 100
49 91.3 99.7 149.5#
51 19.0 29.9 44.9#
86 53.0 52.2 78.4





#25

2-Butanone

Concen: 0.633 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

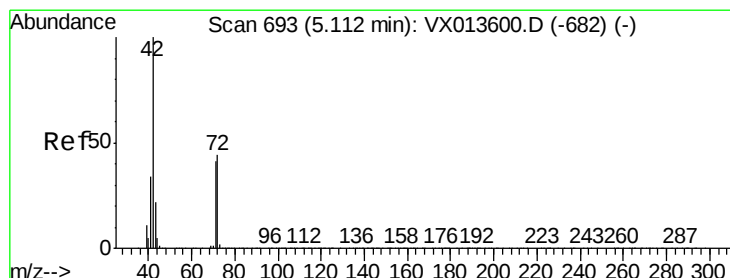
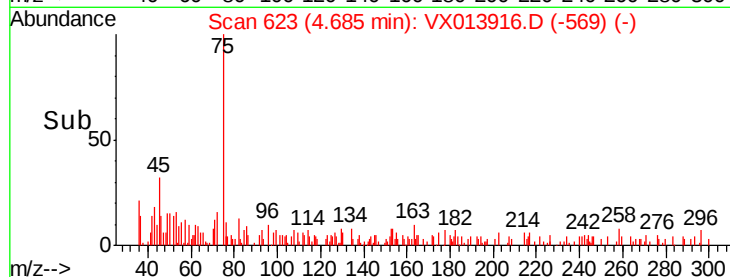
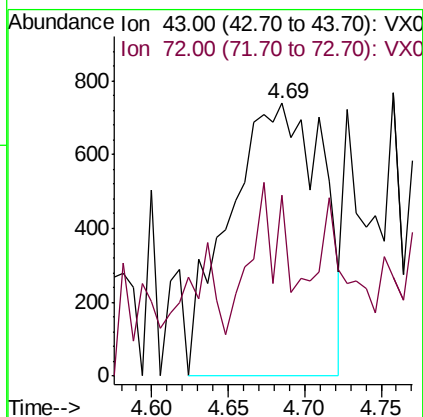
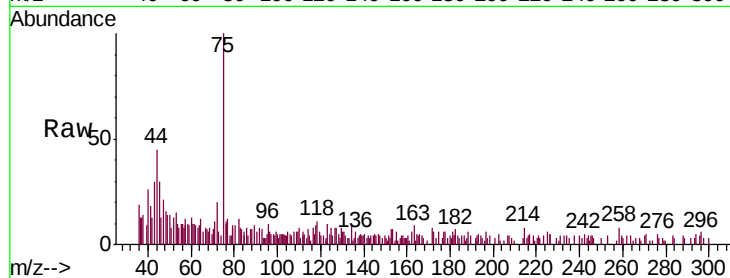
VX1210WBL02

Tgt Ion: 43 Resp: 3118

Ion Ratio Lower Upper

43 100

72 29.9 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.263 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

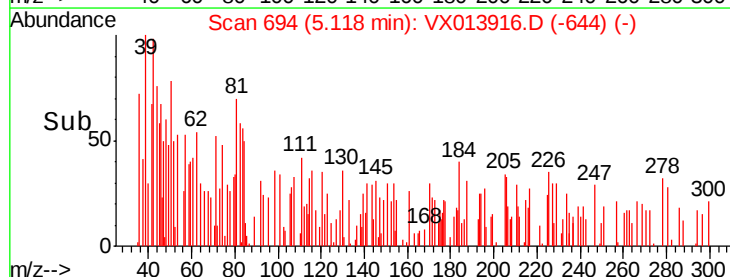
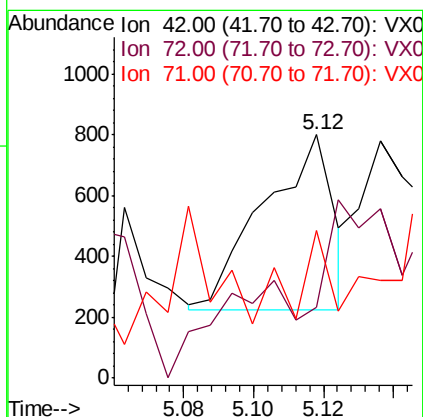
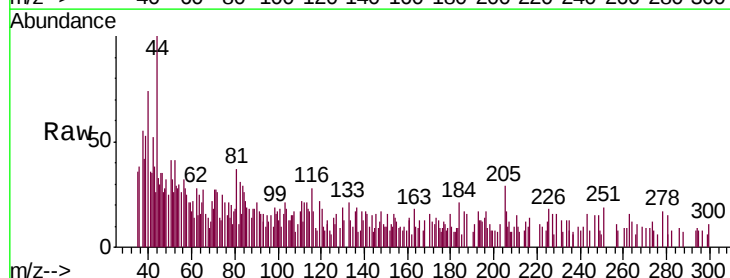
Tgt Ion: 42 Resp: 800

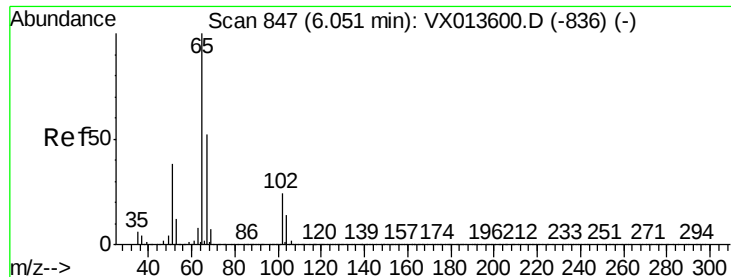
Ion Ratio Lower Upper

42 100

72 99.1 36.3 54.5#

71 52.3 33.2 49.8#





#33

1,2-Dichloroethane-d4

Concen: 47.882 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

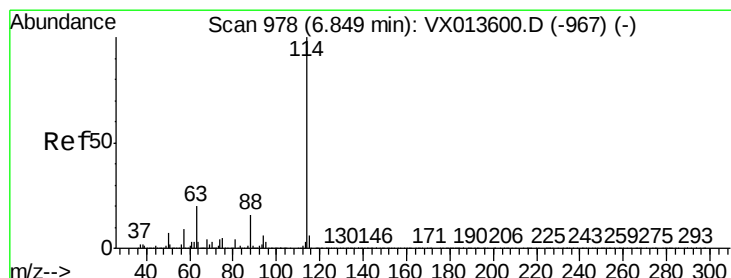
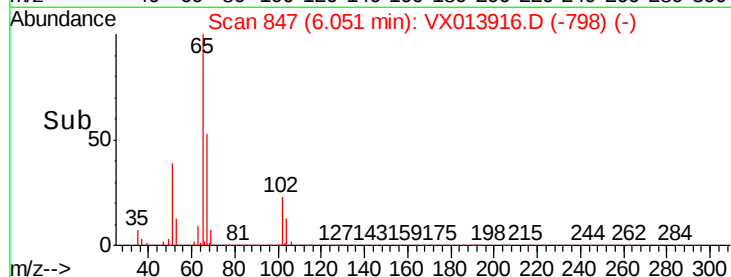
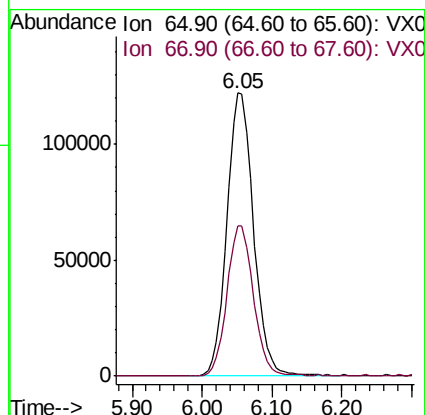
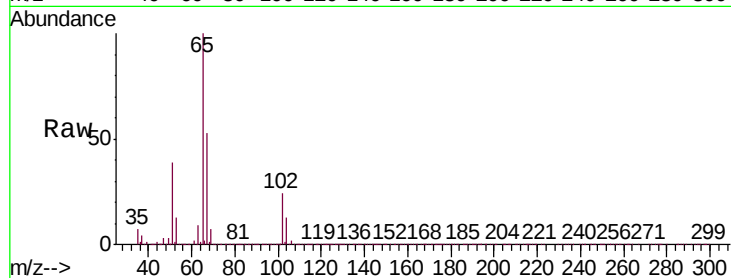
VX1210WBL02

Tgt Ion: 65 Resp: 321526

Ion Ratio Lower Upper

65 100

67 52.5 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: VX013916.D

Acq: 10 Dec 2019 23:00

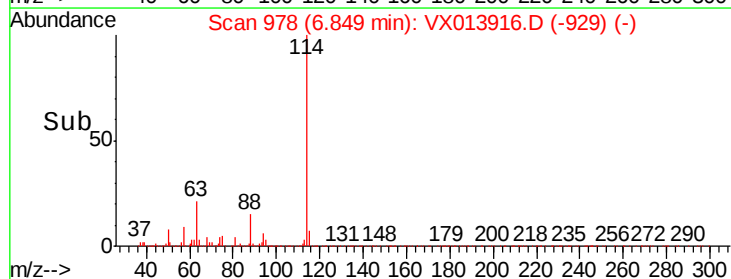
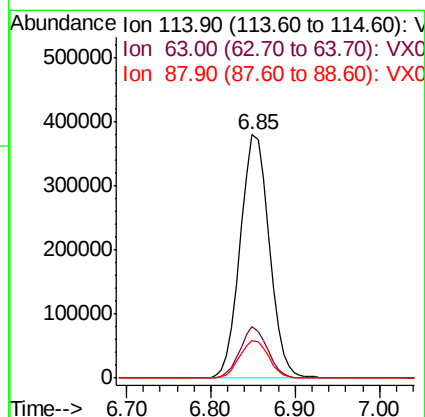
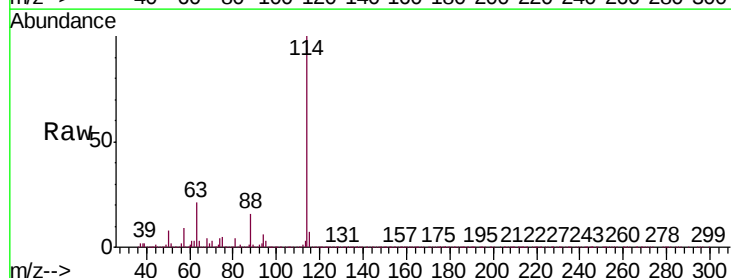
Tgt Ion: 114 Resp: 886414

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.6

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.329 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL02

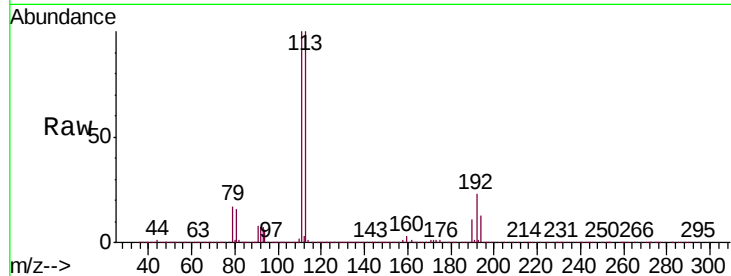
Tgt Ion:113 Resp: 264841

Ion Ratio Lower Upper

113 100

111 102.2 83.6 125.4

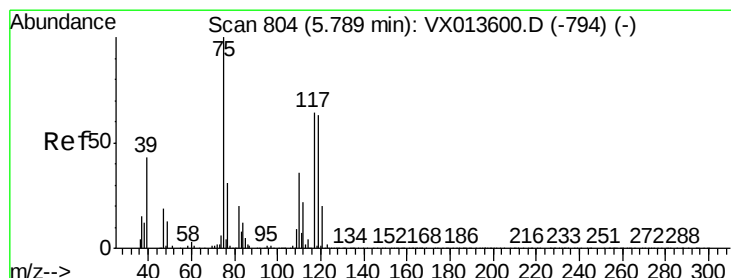
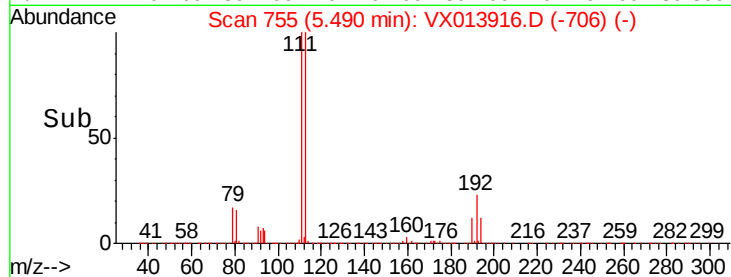
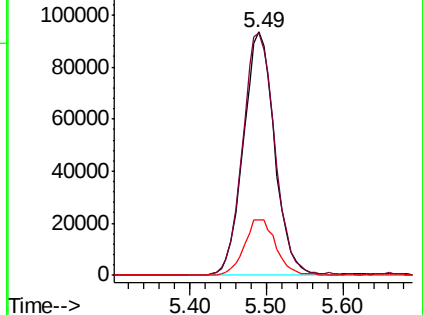
192 23.3 19.2 28.8



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: 4.844 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

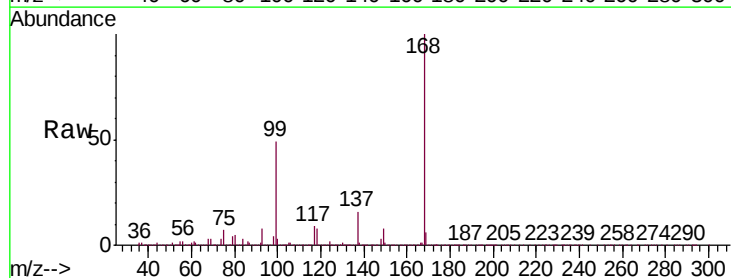
Tgt Ion: 75 Resp: 38974

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

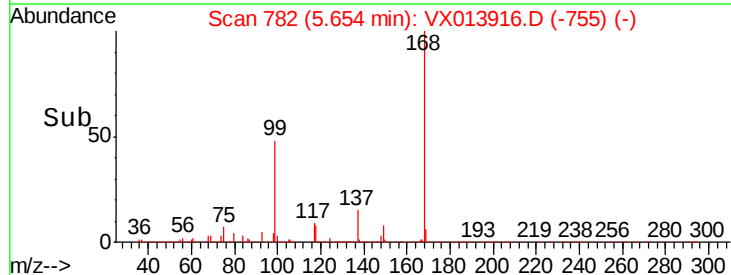
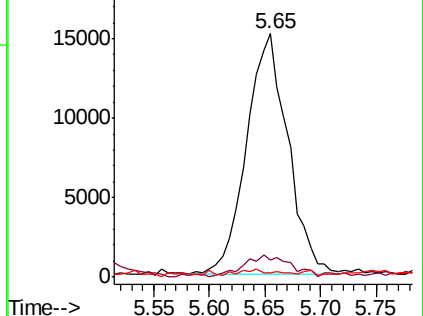
77 0.8 24.5 36.7#

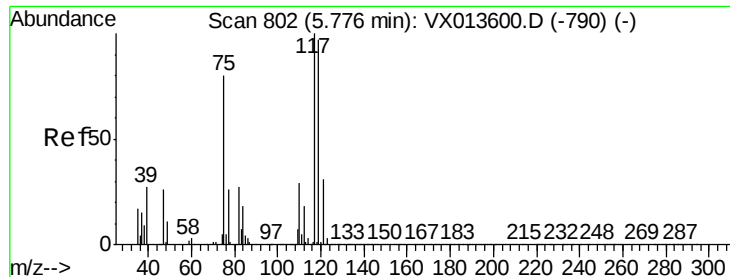


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.734 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL02

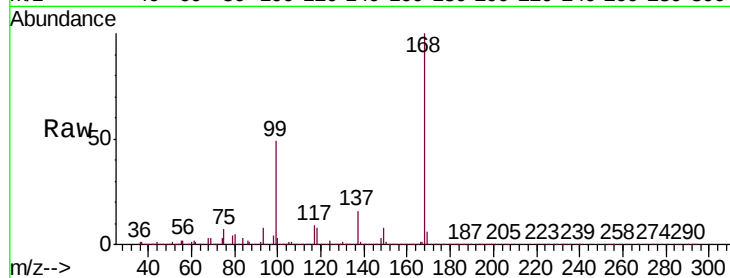
Tgt Ion:117 Resp: 49962

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

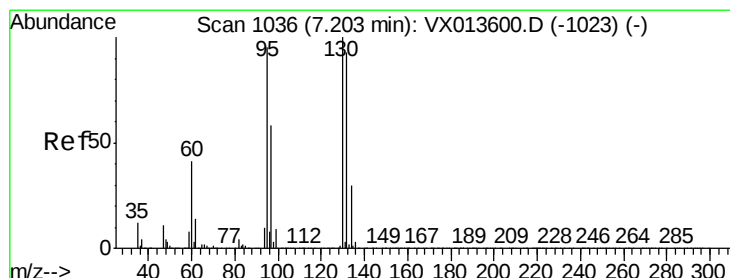
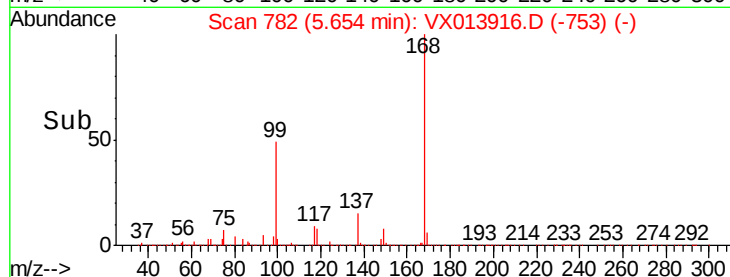
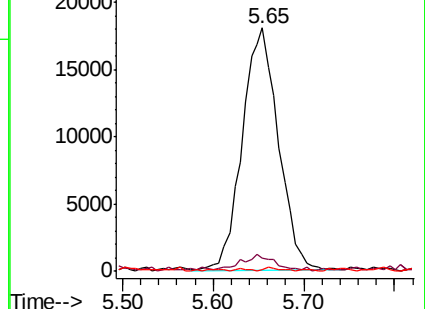
121 0.8 25.0 37.6#



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



#44

Trichloroethene

Concen: 0.476 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013916.D

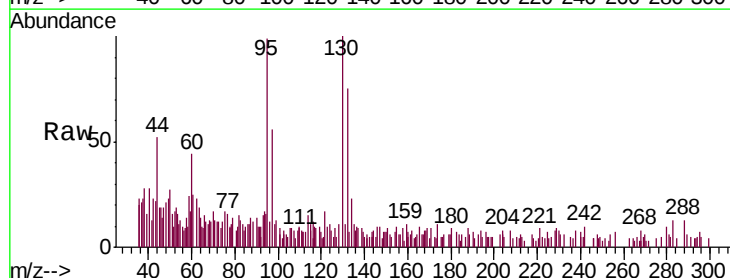
Acq: 10 Dec 2019 23:00

Tgt Ion:130 Resp: 3200

Ion Ratio Lower Upper

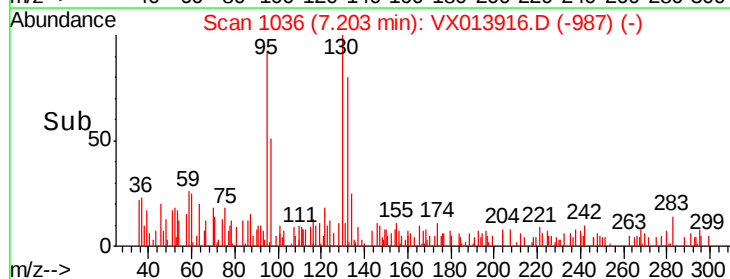
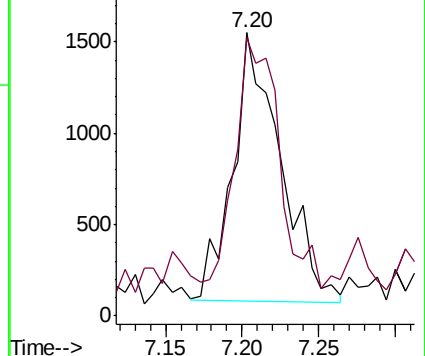
130 100

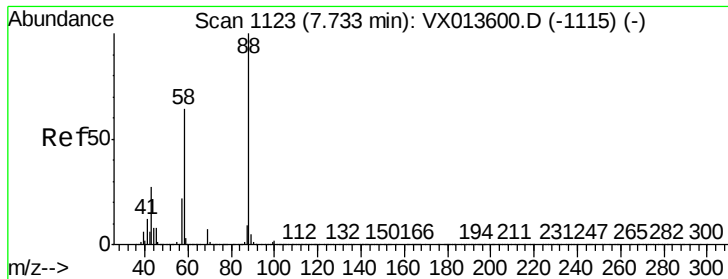
95 91.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

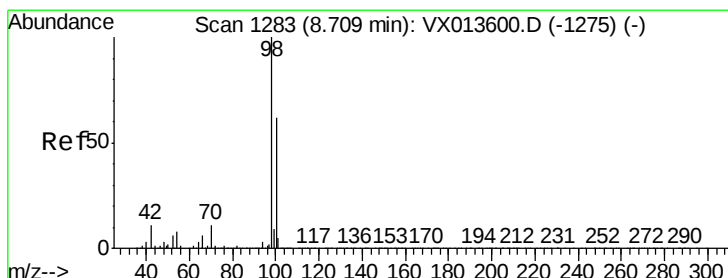
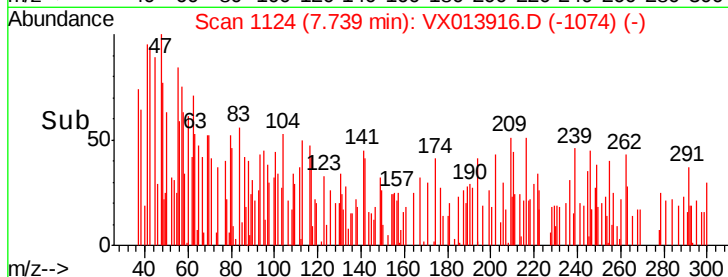
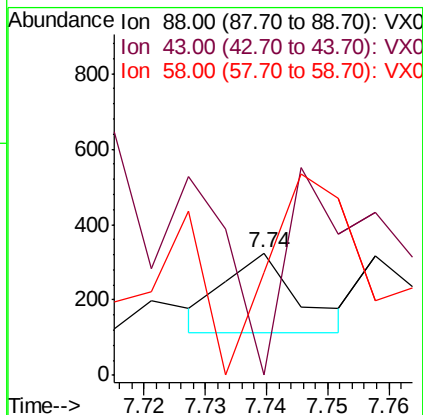
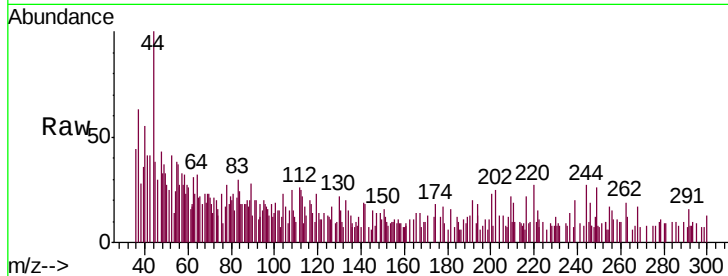




#49
1,4-Dioxane
Concen: 1.077 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

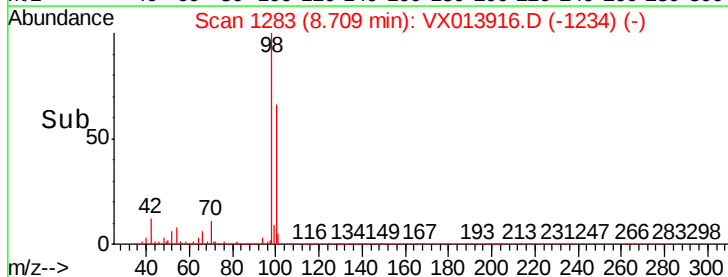
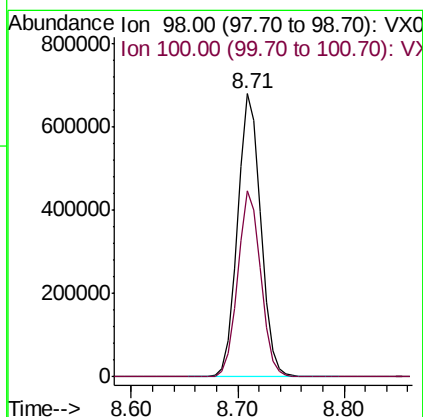
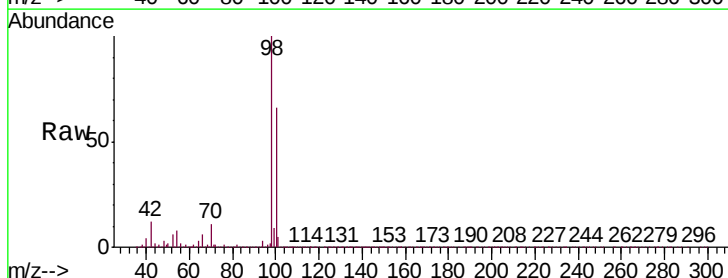
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL02

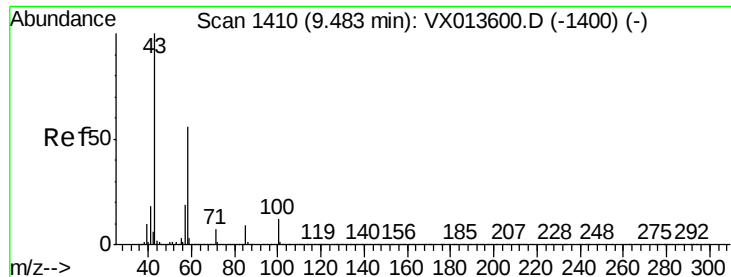
Tgt Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 359.8 54.6 82.0#



#50
Toluene-d8
Concen: 48.752 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

Tgt Ion: 98 Resp: 1040885
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7

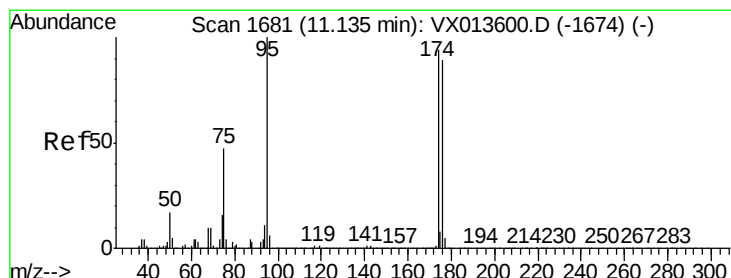
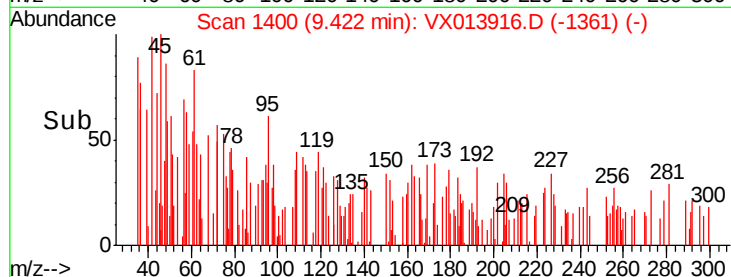
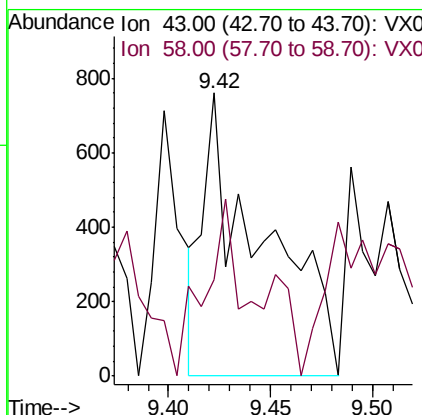
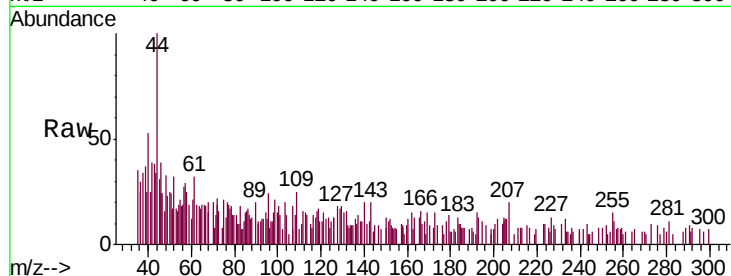




#59
2-Hexanone
Concen: 0.209 ug/l
RT: 9.42 min Scan# 1400
Delta R.T. -0.06 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

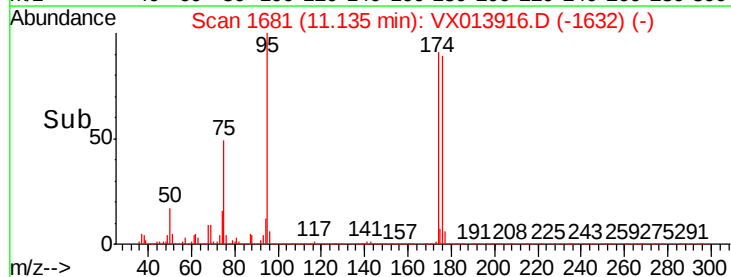
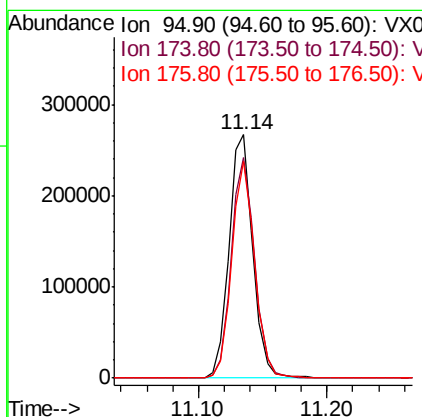
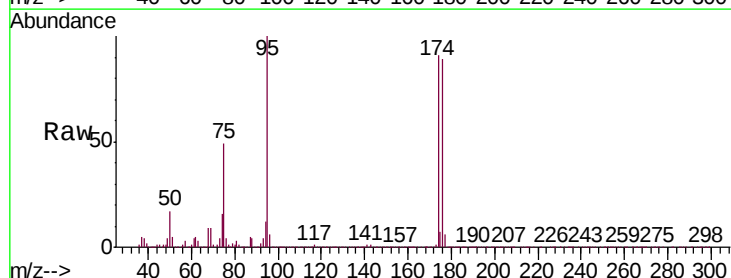
Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL02

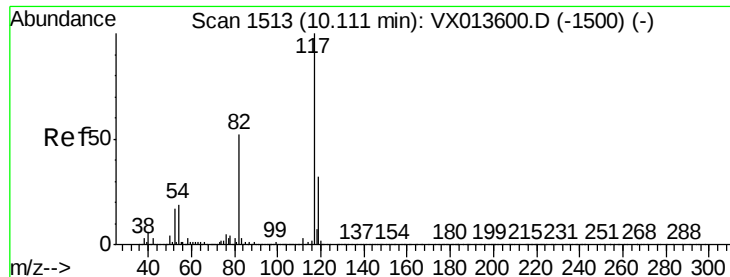
Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 41.6 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 44.806 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013916.D
Acq: 10 Dec 2019 23:00

Tgt Ion: 95 Resp: 344960
Ion Ratio Lower Upper
95 100
174 89.5 0.0 180.0
176 86.0 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: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL02

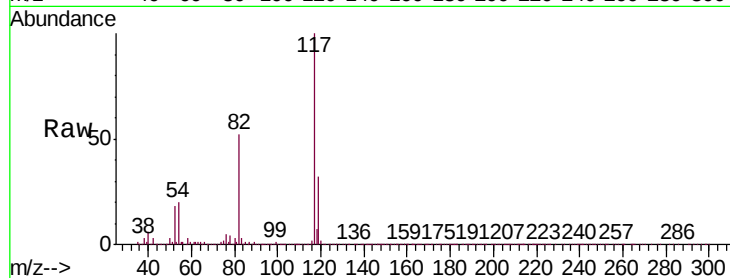
Tgt Ion:117 Resp: 781207

Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.8

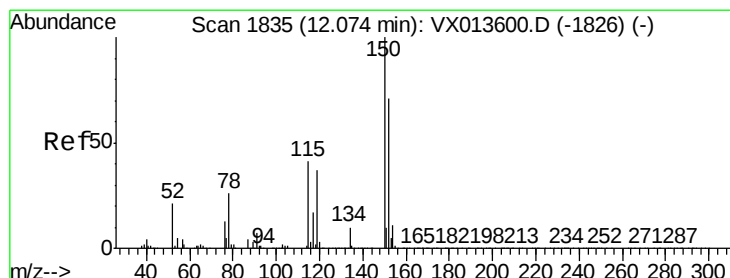
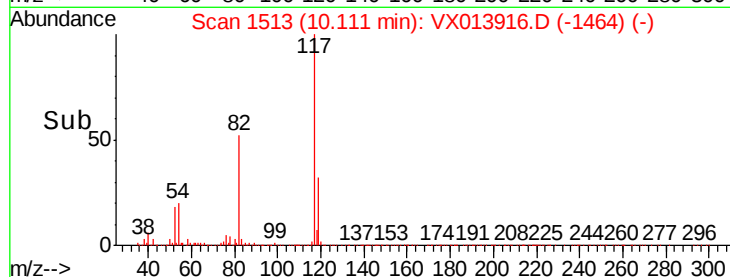
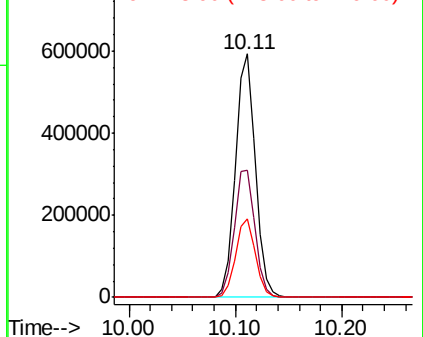
119 32.4 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

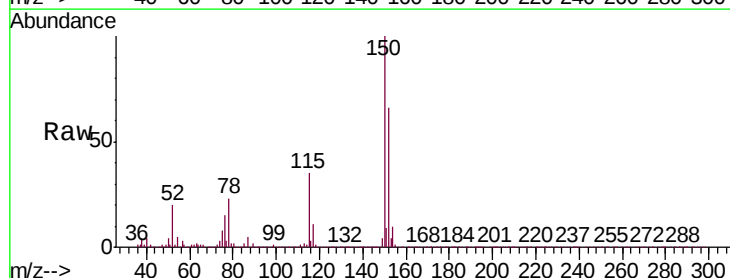
Tgt Ion:152 Resp: 349416

Ion Ratio Lower Upper

152 100

115 54.4 38.4 115.1

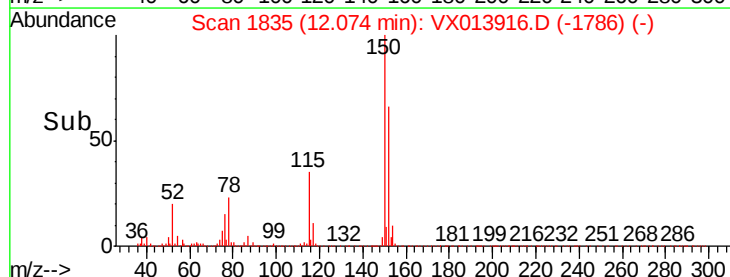
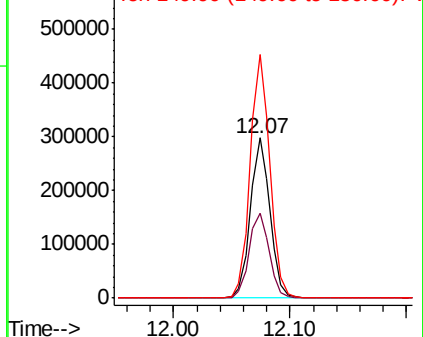
150 153.1 0.0 346.8

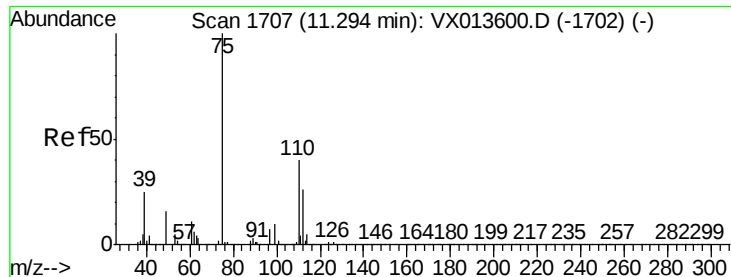


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.710 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Instrument :

MSVOA_X

ClientSampleId :

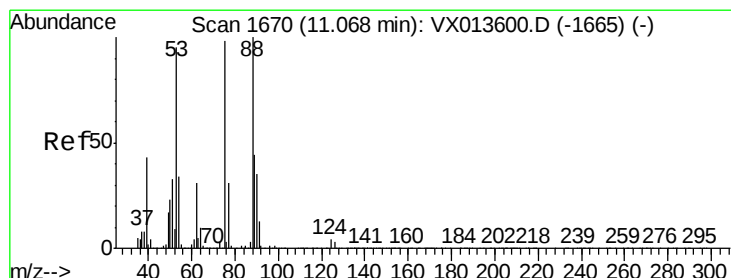
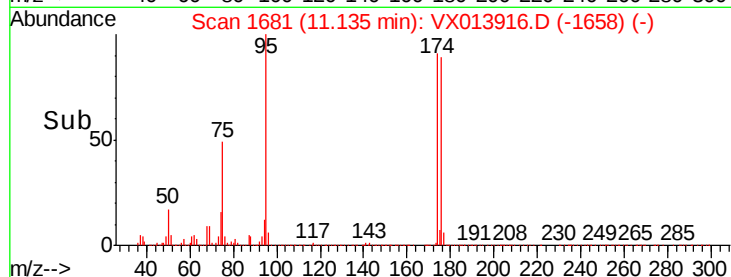
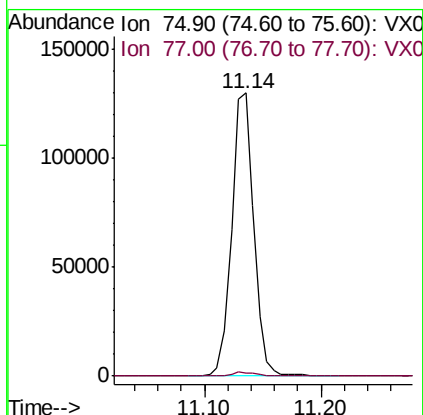
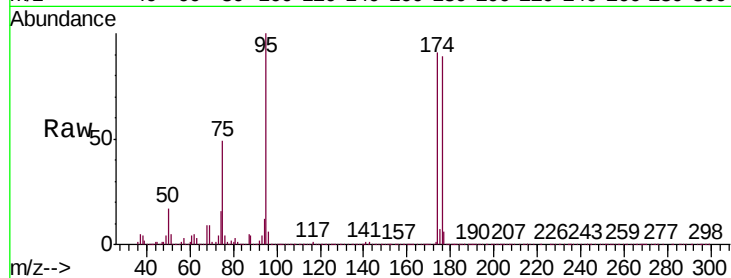
VX1210WBL02

Tgt Ion: 75 Resp: 170615

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.393 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013916.D

Acq: 10 Dec 2019 23:00

Tgt Ion: 75 Resp: 170615

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.2#

89 0.2 35.4 53.2#

