

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013968.D
 Acq On : 12 Dec 2019 11:47
 Operator : JC/SP
 Sample : VX1212WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL01

Quant Time: Dec 13 00:49:14 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	5.64	168	563689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	861334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	768944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338737	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	320417	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	5.48	113	251348	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	8.71	98	1034367	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.14	95	349715	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

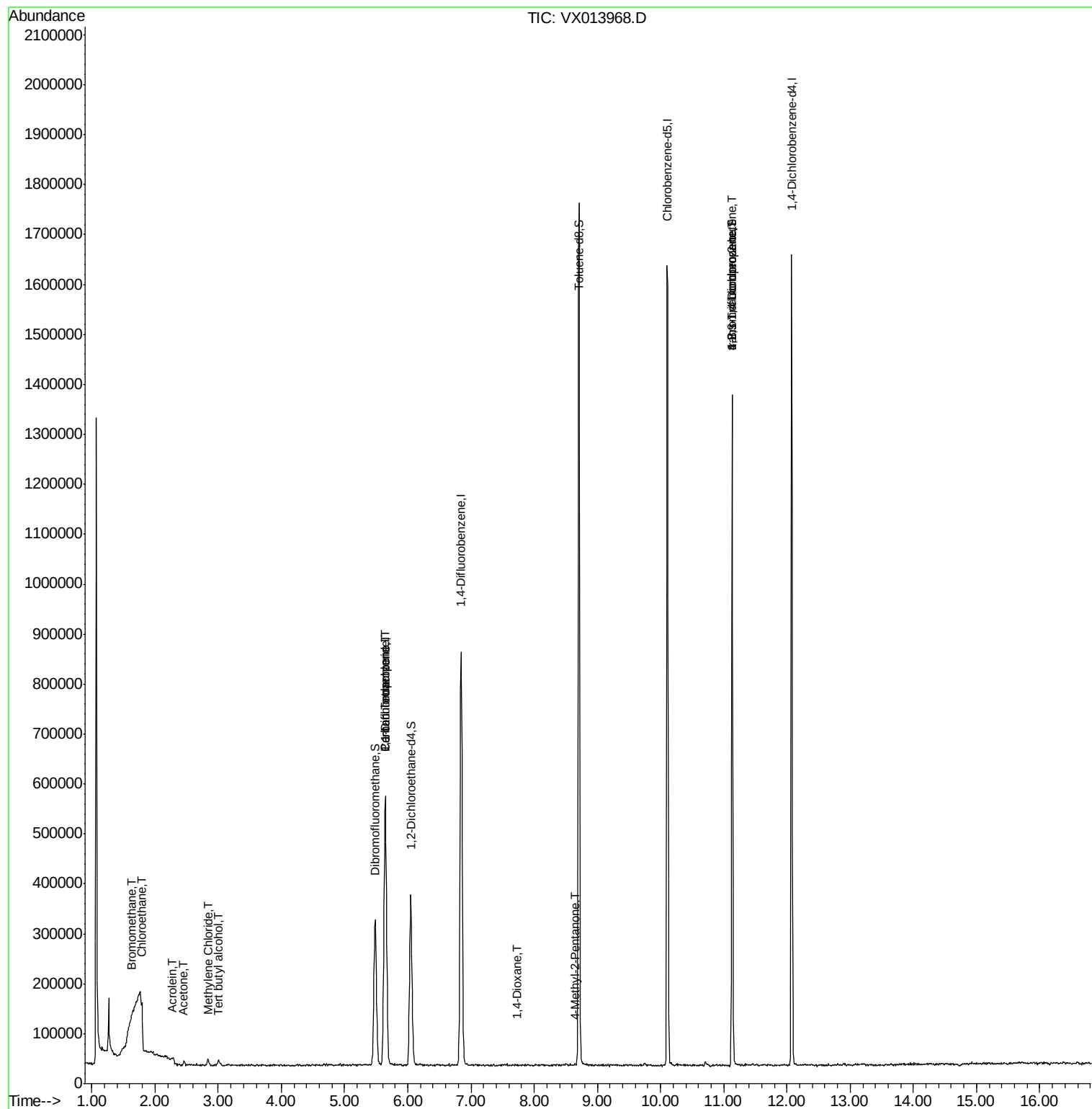
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	2015	0.379	ug/l #	70
6) Chloroethane	1.80	64	6072	1.347	ug/l #	50
11) Tert butyl alcohol	3.00	59	8049	4.984	ug/l #	80
13) Acrolein	2.26	56	321	6.294	ug/l #	1
16) Acetone	2.45	43	10522	3.257	ug/l	98
20) Methylene Chloride	2.84	84	6991	1.126	ug/l #	80
36) 1,1-Dichloropropene	5.64	75	38180	4.883	ug/l #	47
38) Carbon Tetrachloride	5.64	117	48565	6.736	ug/l #	14
49) 1,4-Dioxane	7.72	88	186	1.184	ug/l #	1
51) 4-Methyl-2-Pentanone	8.66	43	2711	0.298	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	169113	22.197	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	169113	60.727	ug/l #	11

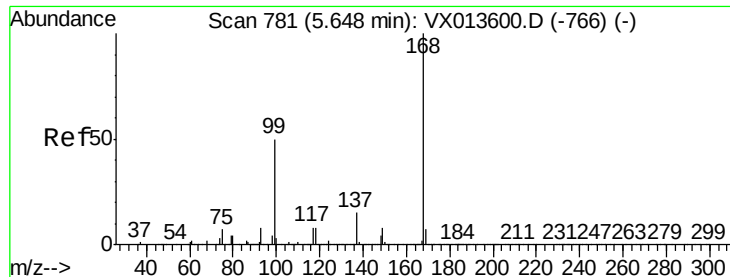
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013968.D

Acq: 12 Dec 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

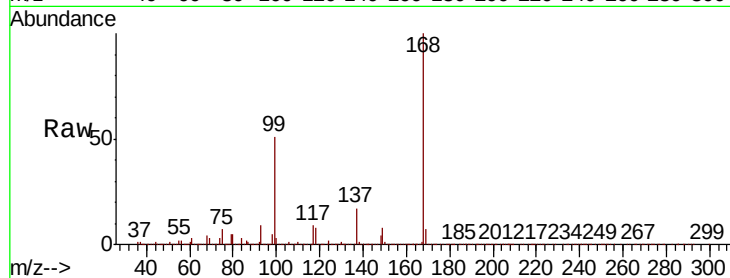
VX1212WBL01

Tot Ion:168 Resp: 563689

Ion Ratio Lower Upper

168 100

99 50.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

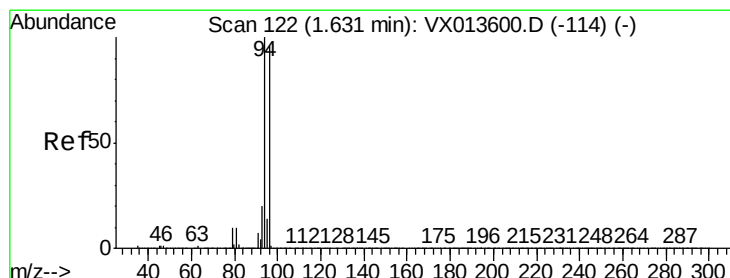
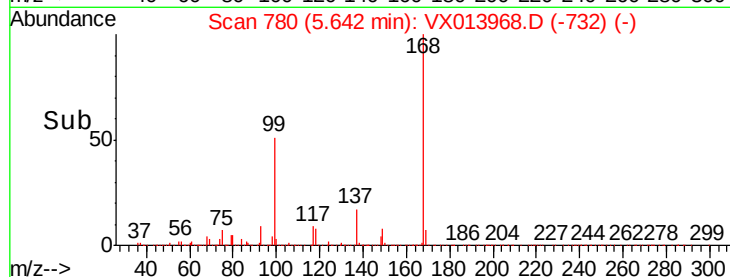
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.379 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013968.D

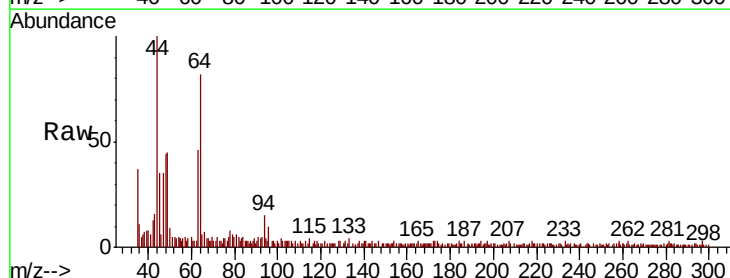
Acq: 12 Dec 2019 11:47

Tgt Ion: 94 Resp: 2015

Ion Ratio Lower Upper

94 100

96 66.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

2000

1500

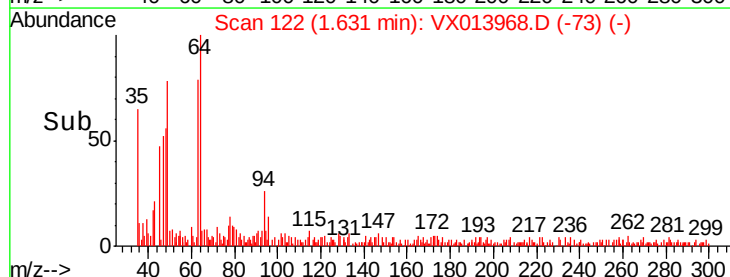
1000

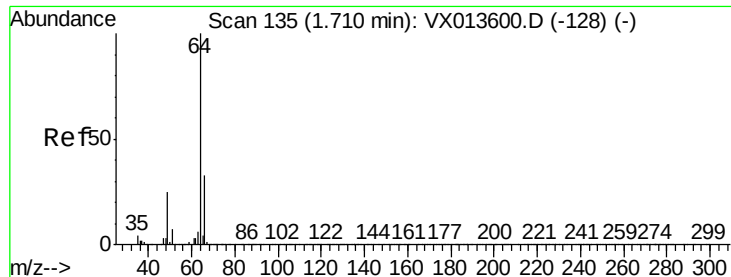
500

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 1.347 ug/l

RT: 1.80 min Scan# 150

Delta R.T. 0.09 min

Lab File: VX013968.D

Acq: 12 Dec 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

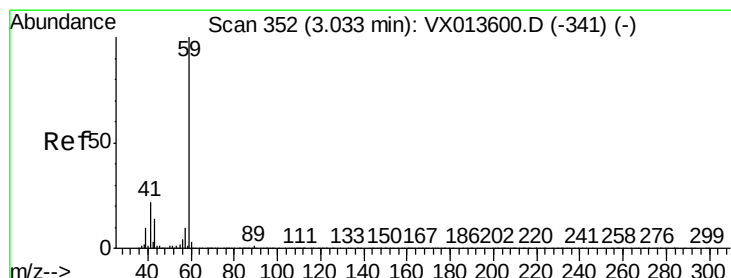
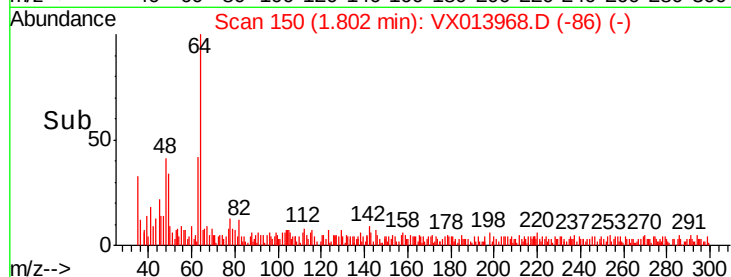
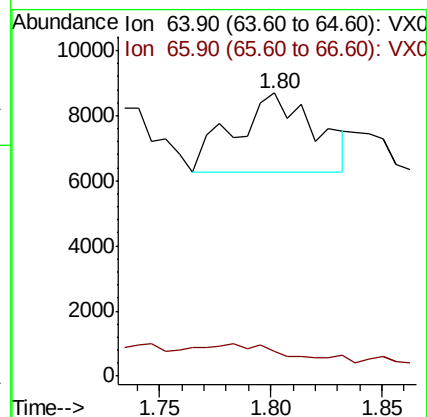
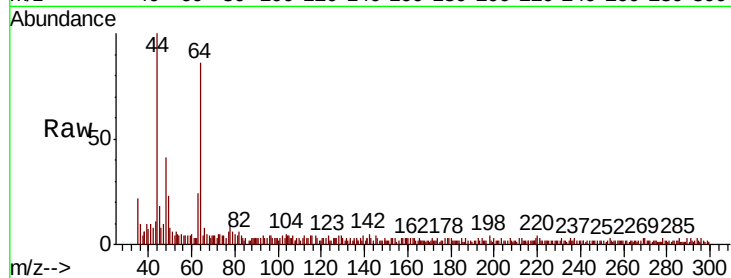
VX1212WBL01

Tot Ion: 64 Resp: 6072

Ion Ratio Lower Upper

64 100

66 4.8 26.7 40.1#



#11

Tert butyl alcohol

Concen: 4.984 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.03 min

Lab File: VX013968.D

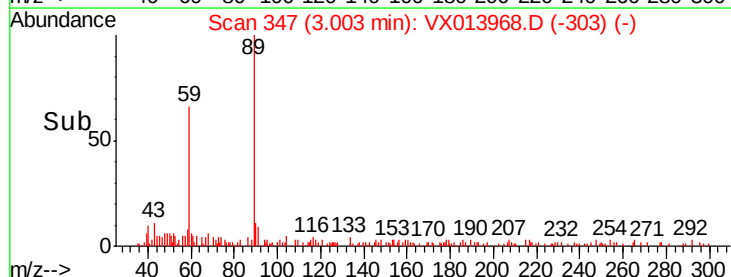
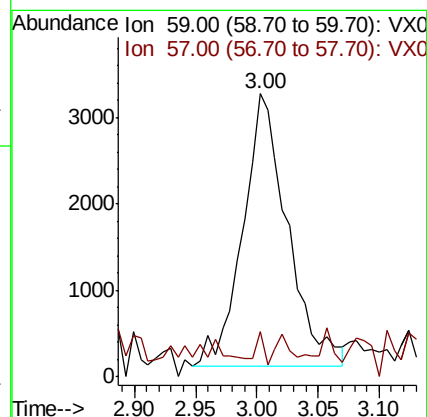
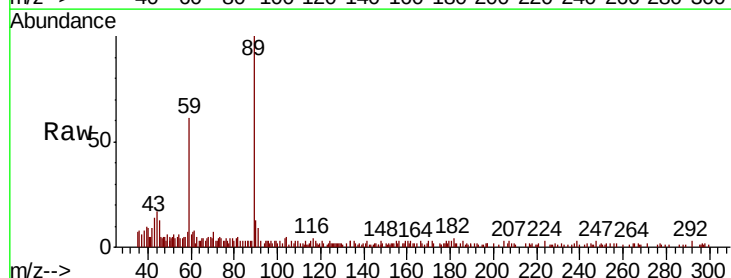
Acq: 12 Dec 2019 11:47

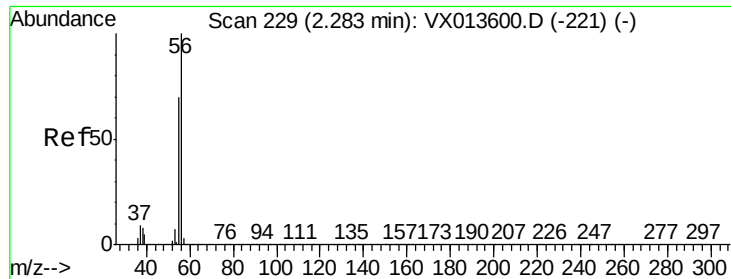
Tgt Ion: 59 Resp: 8049

Ion Ratio Lower Upper

59 100

57 2.2 7.8 11.6#





#13

Acrolein

Concen: 6.294 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX013968.D

Acq: 12 Dec 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

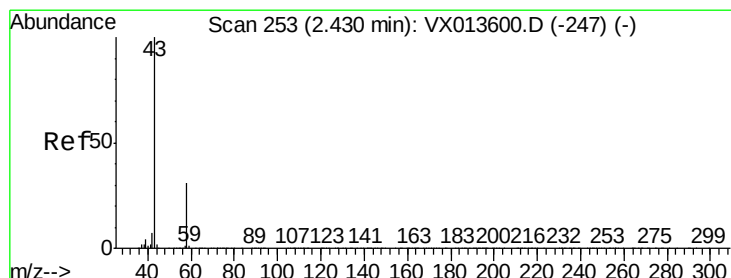
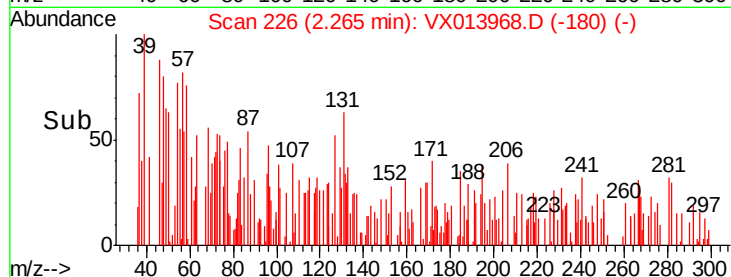
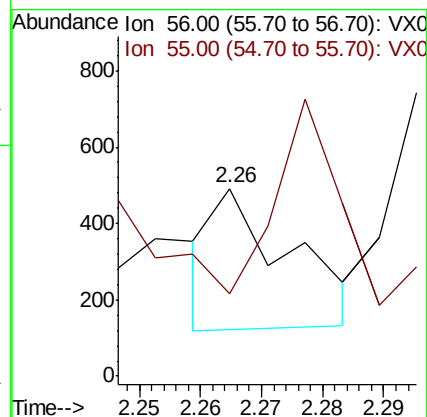
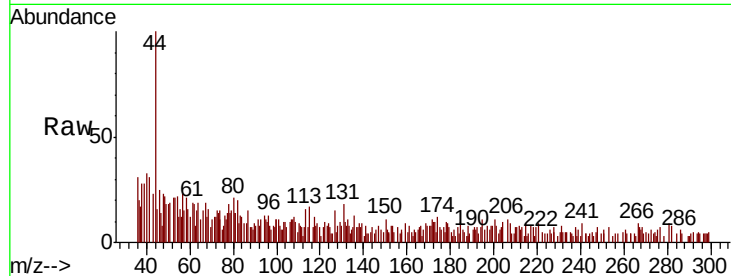
VX1212WBL01

Tot Ion: 56 Resp: 321

Ion Ratio Lower Upper

56 100

55 155.8 56.2 84.4#



#16

Acetone

Concen: 3.257 ug/l

RT: 2.45 min Scan# 257

Delta R.T. 0.02 min

Lab File: VX013968.D

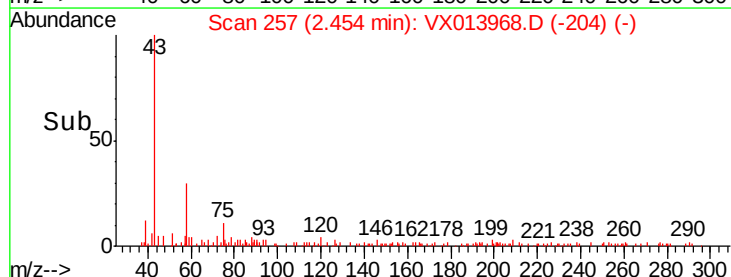
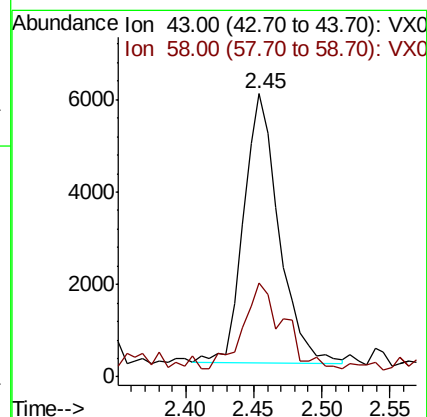
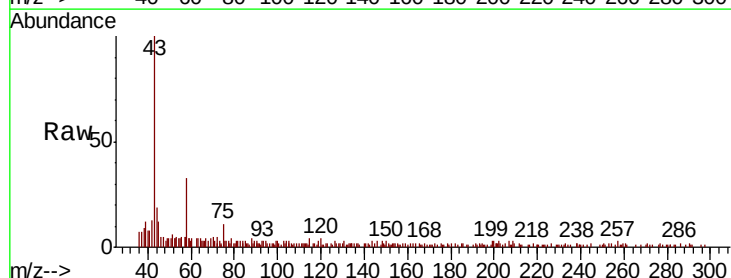
Acq: 12 Dec 2019 11:47

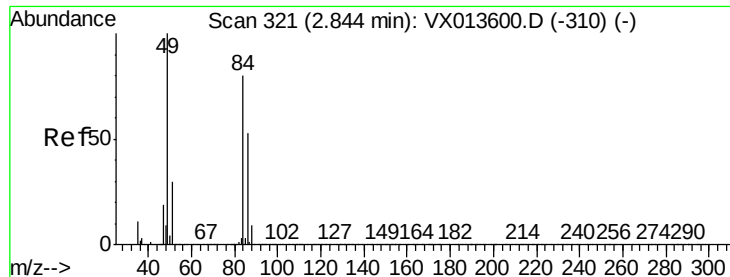
Tgt Ion: 43 Resp: 10522

Ion Ratio Lower Upper

43 100

58 29.4 24.6 36.8

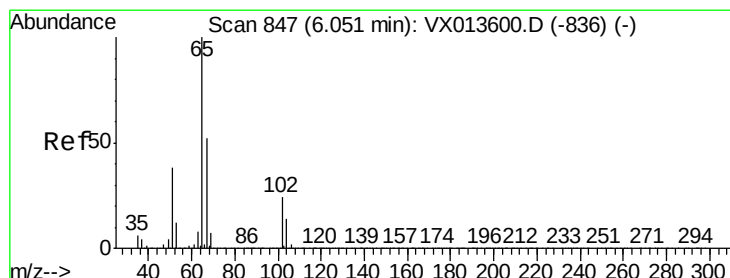
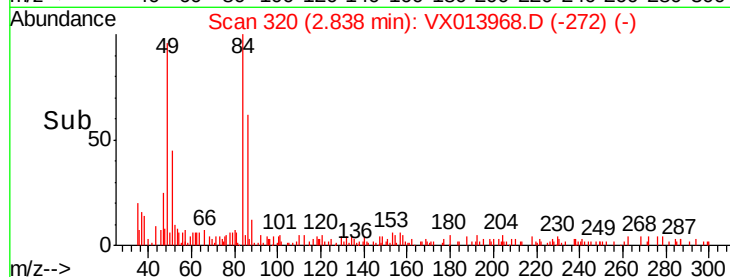
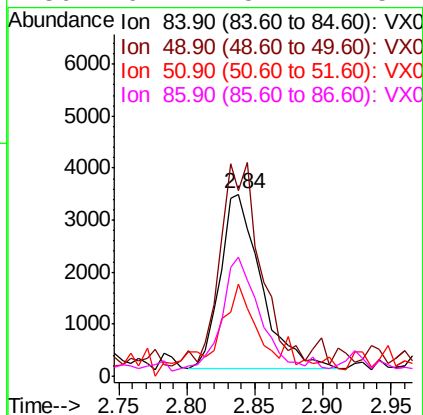
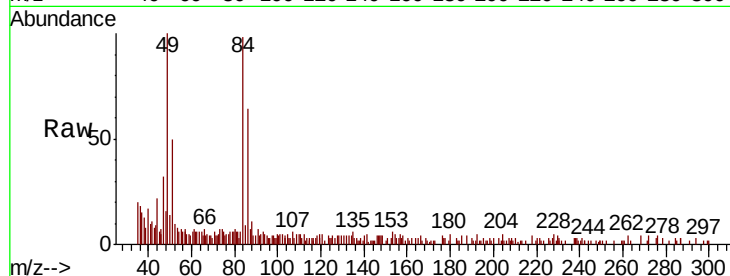




#20
Methylene Chloride
Concen: 1.126 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013968.D
Acq: 12 Dec 2019 11:47

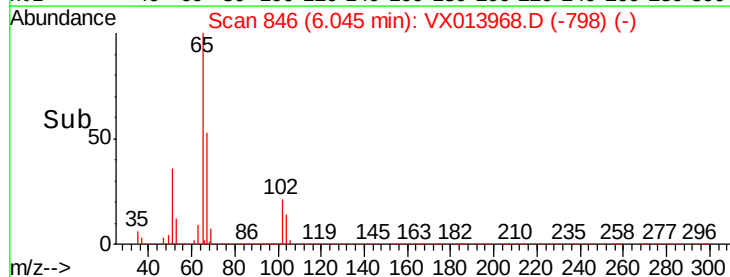
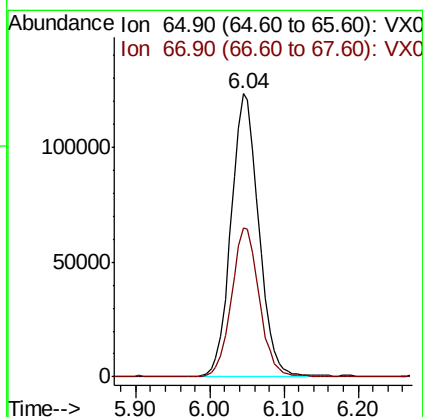
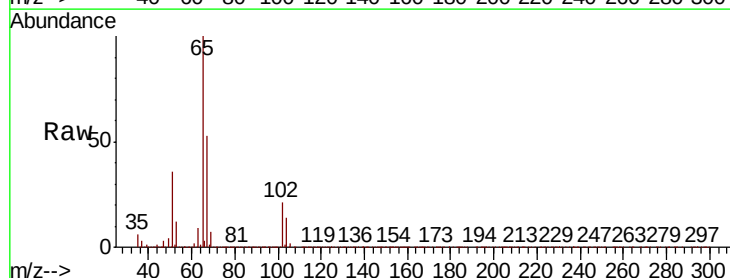
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

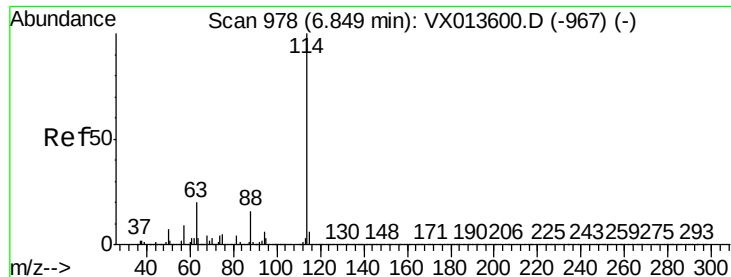
Tot Ion: 84 Resp: 6991
Ion Ratio Lower Upper
84 100
49 91.8 99.7 149.5#
51 48.5 29.9 44.9#
86 62.4 52.2 78.4



#33
1,2-Dichloroethane-d4
Concen: 48.970 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013968.D
Acq: 12 Dec 2019 11:47

Tgt Ion: 65 Resp: 320417
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013968.D

Acq: 12 Dec 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

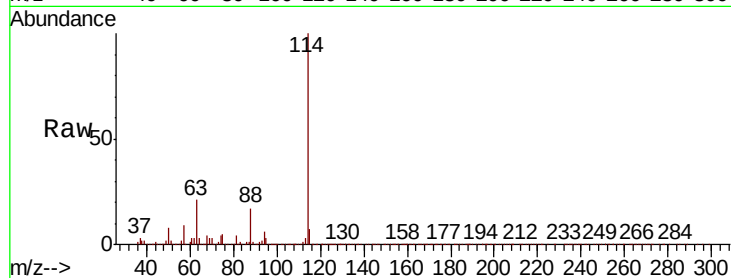
Tot Ion:114 Resp: 861334

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.6

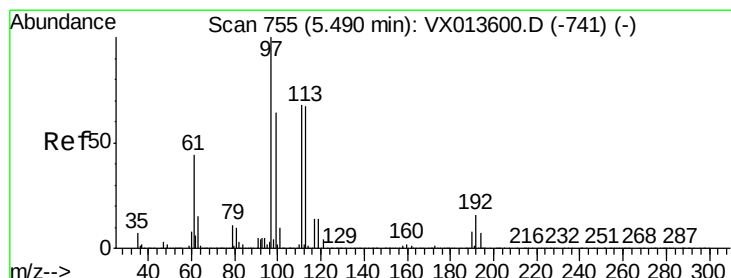
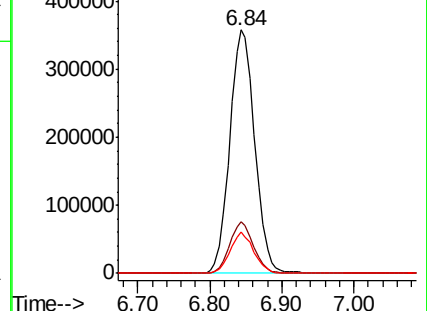
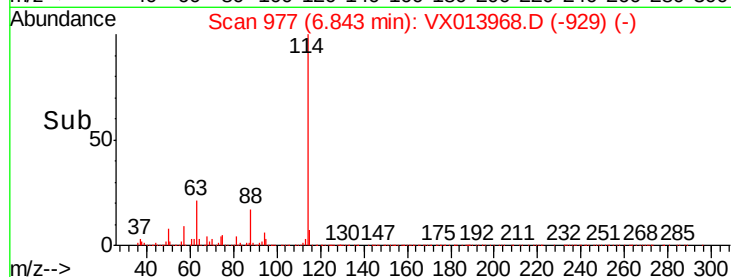
88 16.9 0.0 31.4



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: 47.203 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013968.D

Acq: 12 Dec 2019 11:47

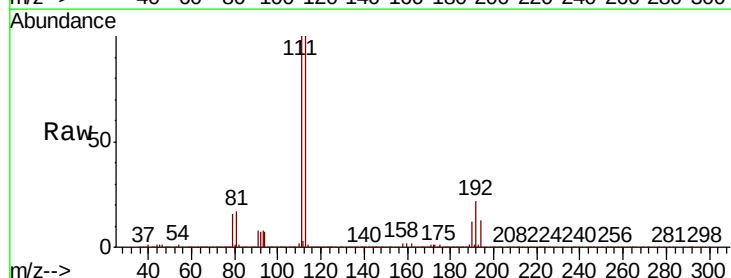
Tgt Ion:113 Resp: 251348

Ion Ratio Lower Upper

113 100

111 102.9 83.6 125.4

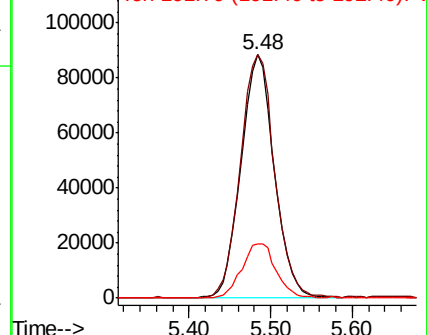
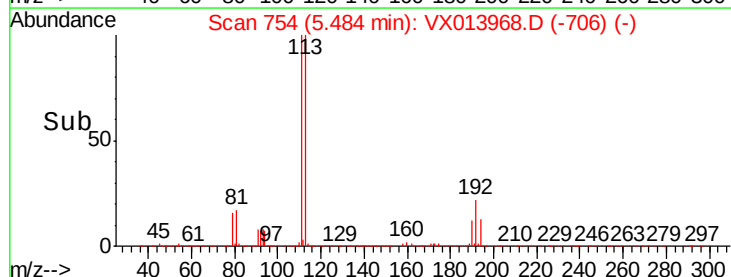
192 22.9 19.2 28.8

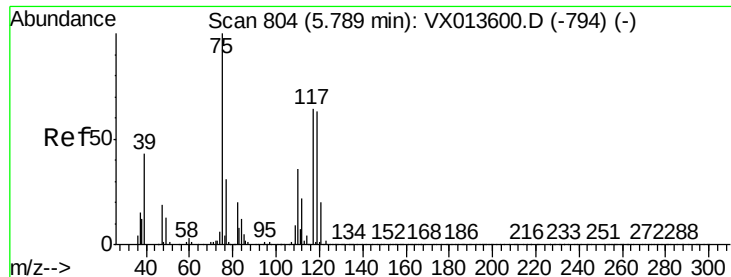


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

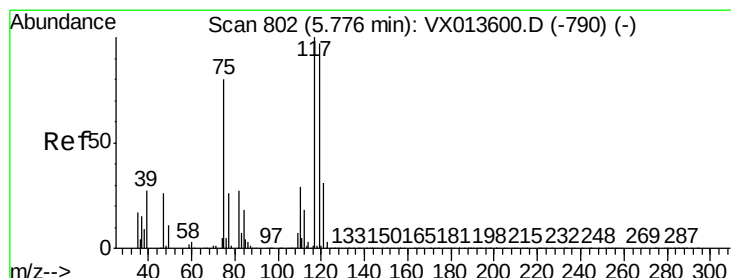
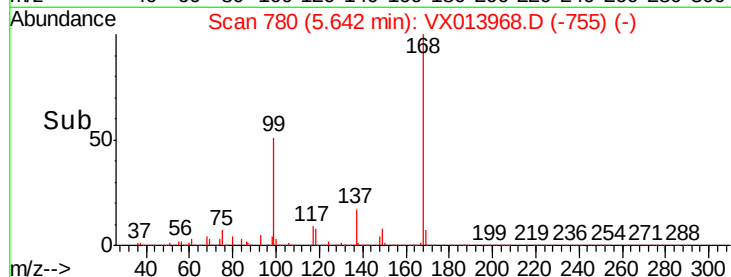
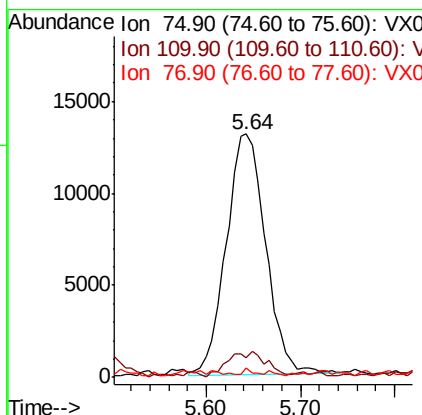
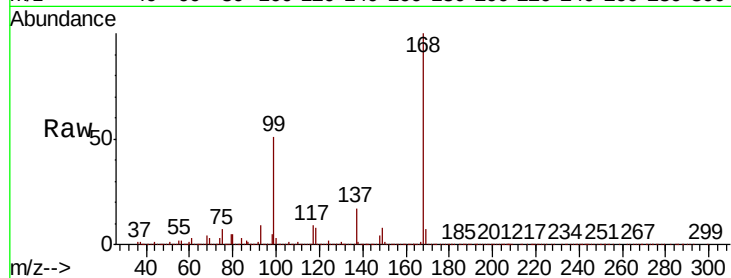




#36
 1,1-Dichloropropene
 Concen: 4.883 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013968.D
 Acq: 12 Dec 2019 11:47

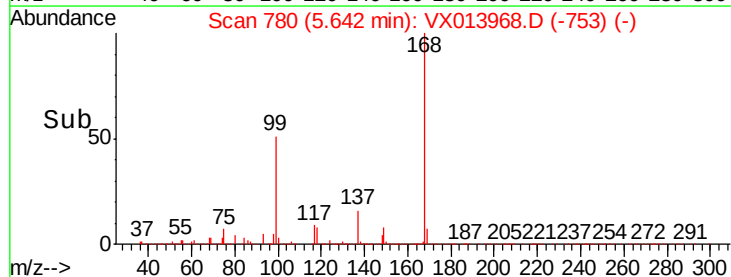
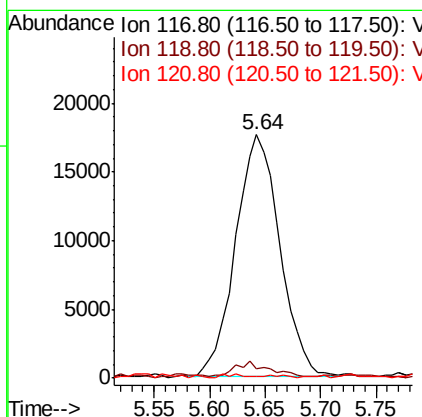
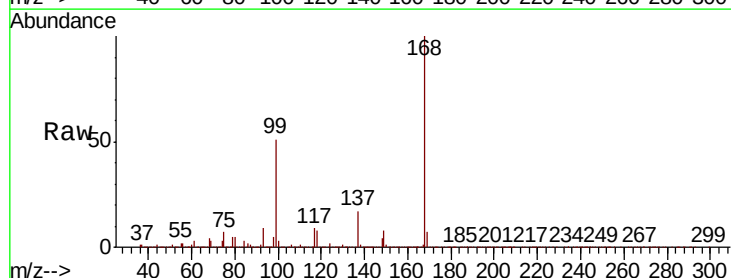
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL01

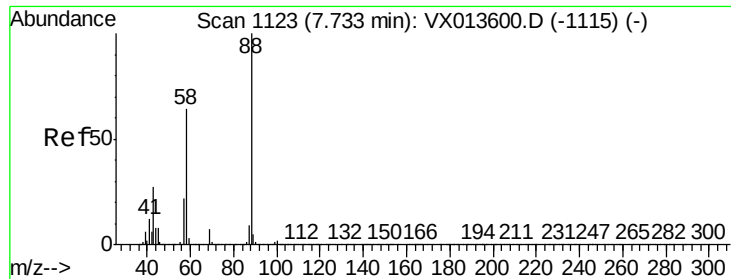
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.5	18.1	54.1#
77	0.6	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.736 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013968.D
 Acq: 12 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.5	116.3#
121	0.3	25.0	37.6#

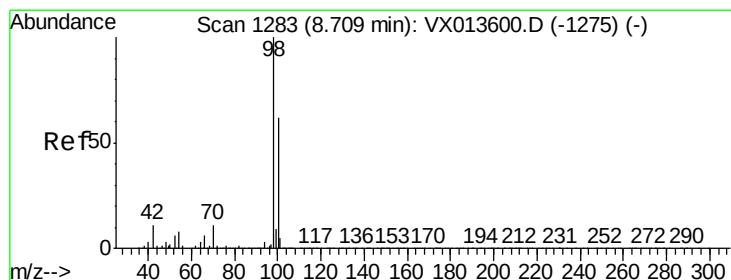
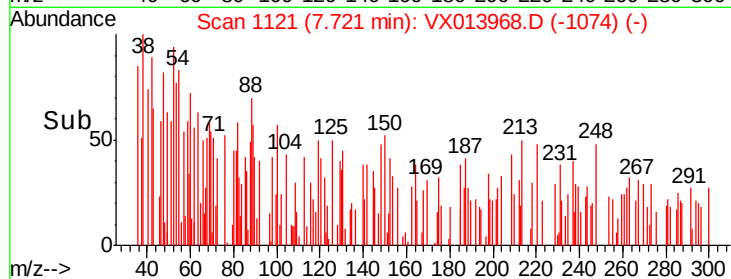
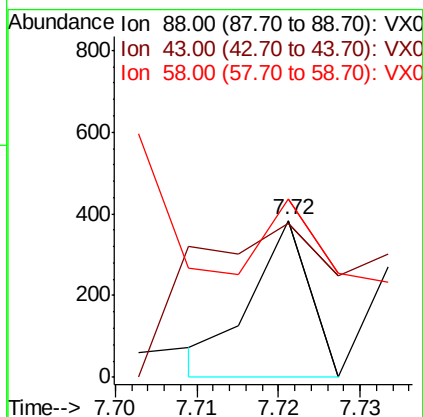
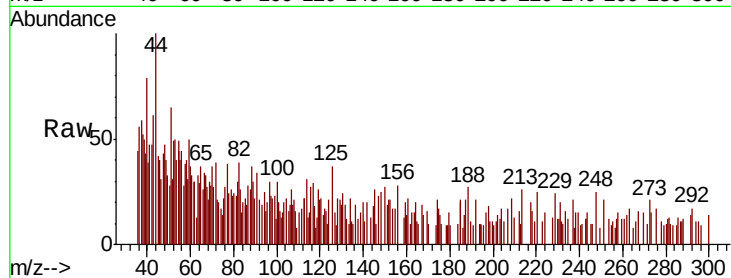




#49
1,4-Dioxane
Concen: 1.184 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX013968.D
Acq: 12 Dec 2019 11:47

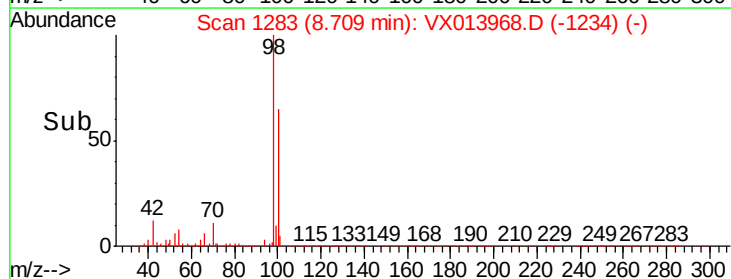
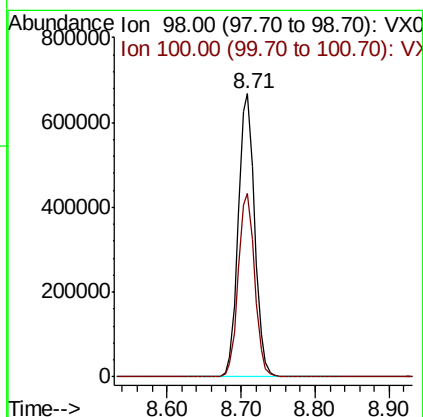
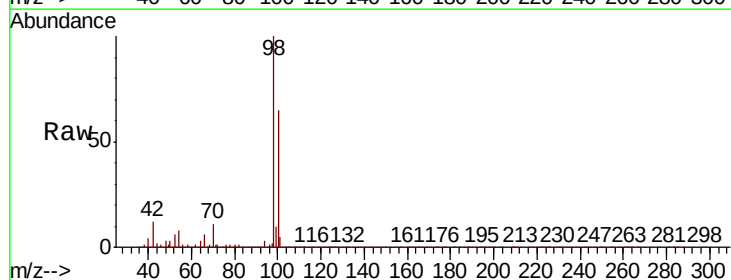
Instrument :
MSVOA_X
ClientSampled :
VX1212WBL01

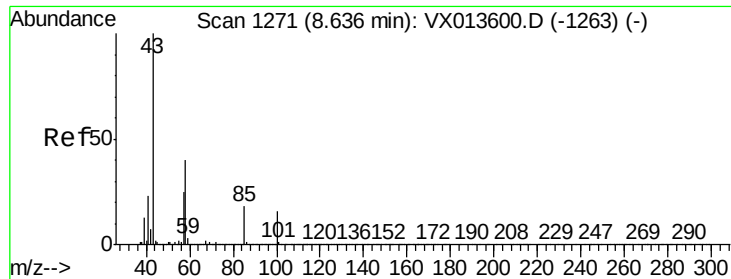
Tot Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 358.1 25.8 38.6#
58 0.0 54.6 82.0#



#50
Toluene-d8
Concen: 49.858 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013968.D
Acq: 12 Dec 2019 11:47

Tgt Ion: 98 Resp: 1034367
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7

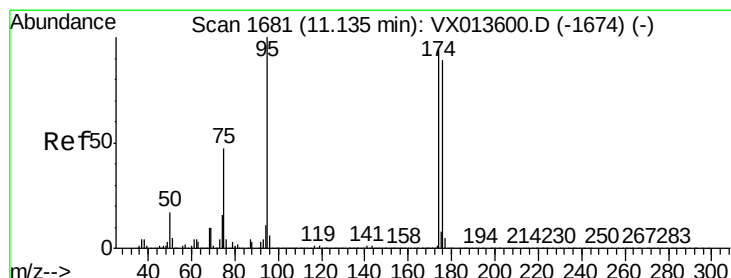
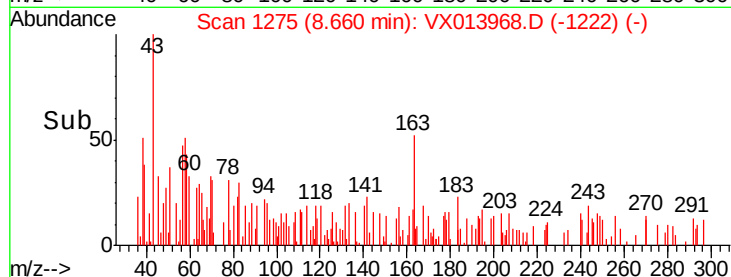
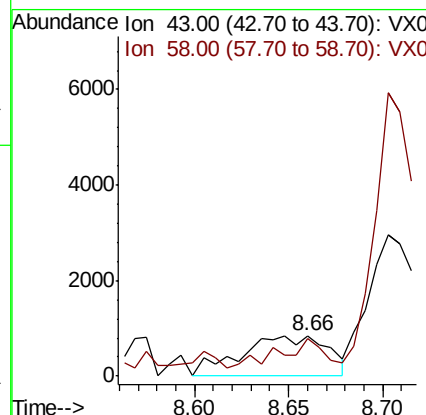
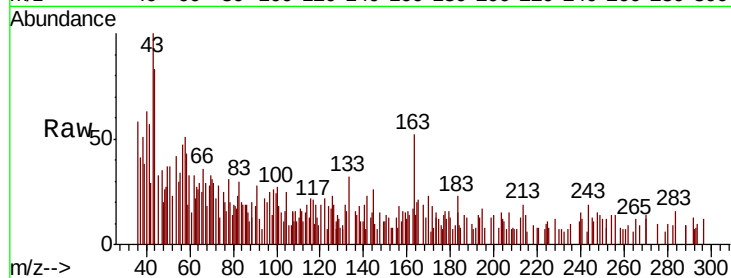




#51
4-Methyl-2-Pentanone
Concen: 0.298 ug/l
RT: 8.66 min Scan# 1275
Delta R.T. 0.02 min
Lab File: VX013968.D
Acq: 12 Dec 2019 11:47

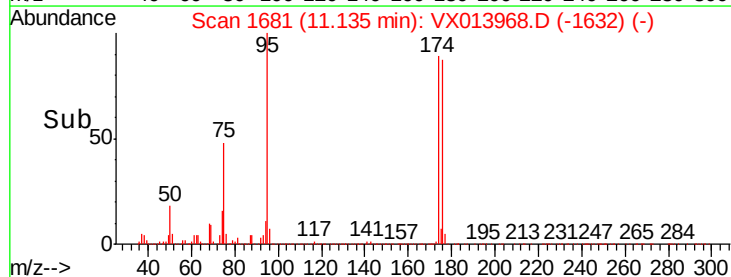
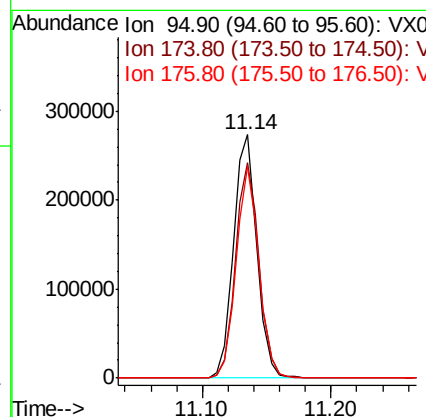
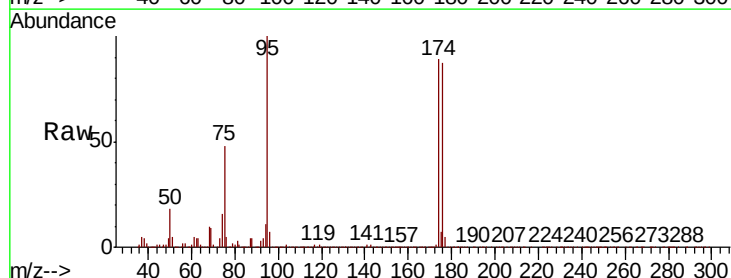
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

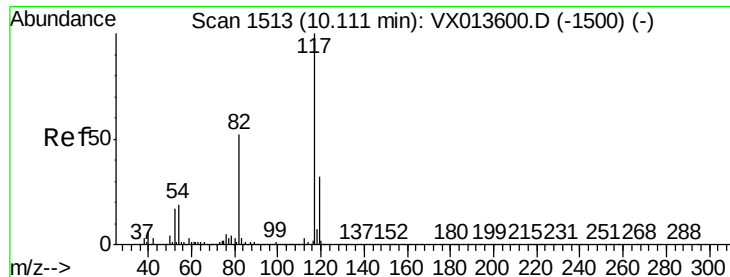
Tot Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
58 44.9 32.1 48.1



#62
4-Bromofluorobenzene
Concen: 46.746 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013968.D
Acq: 12 Dec 2019 11:47

Tgt Ion: 95 Resp: 349715
Ion Ratio Lower Upper
95 100
174 88.4 0.0 180.0
176 84.6 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: VX013968.D

Acq: 12 Dec 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

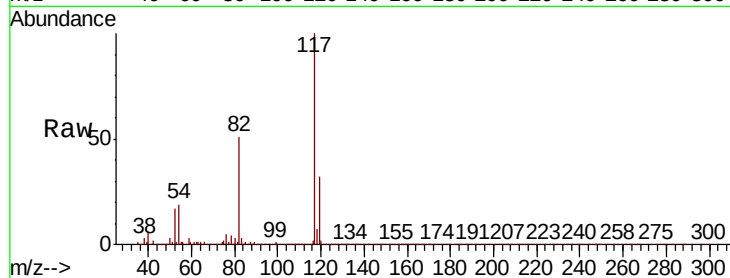
Tot Ion:117 Resp: 768944

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

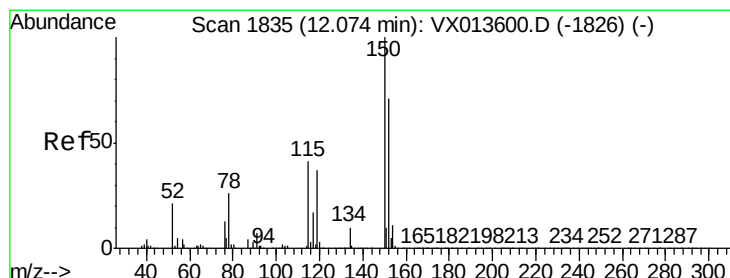
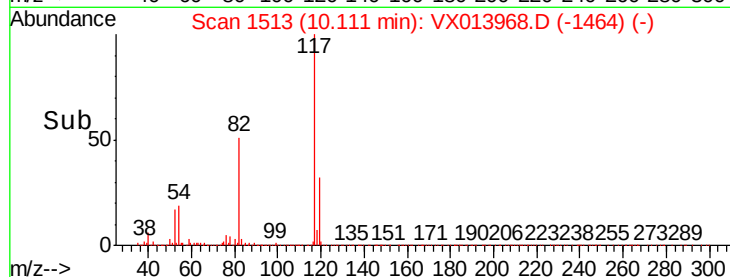
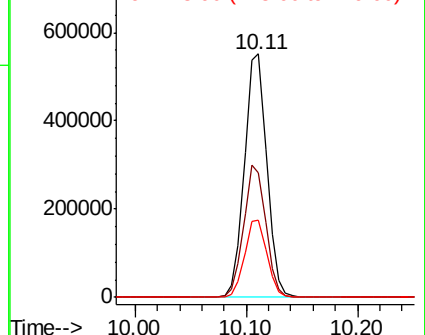
119 31.9 25.8 38.8



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: VX013968.D

Acq: 12 Dec 2019 11:47

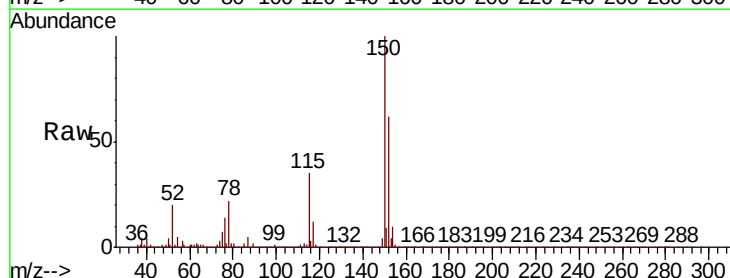
Tgt Ion:152 Resp: 338737

Ion Ratio Lower Upper

152 100

115 55.1 38.4 115.1

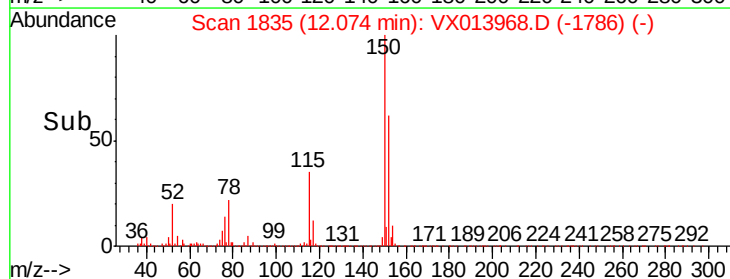
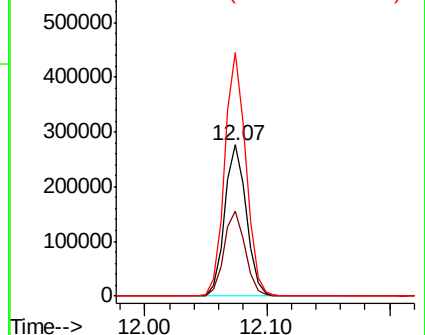
150 157.9 0.0 346.8

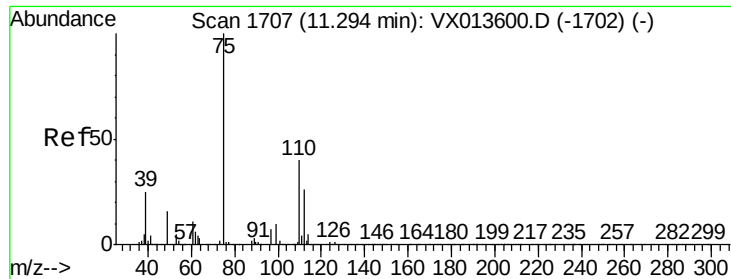


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.197 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013968.D

Acq: 12 Dec 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

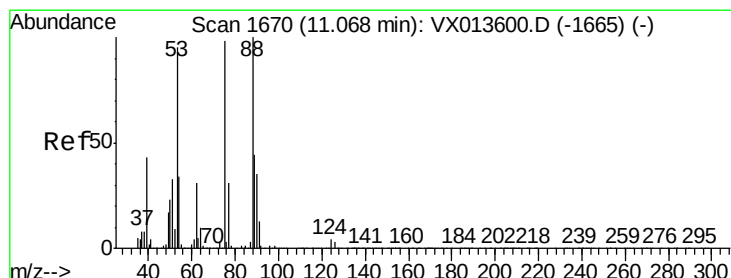
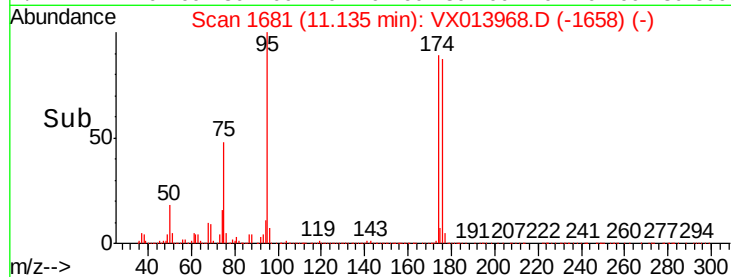
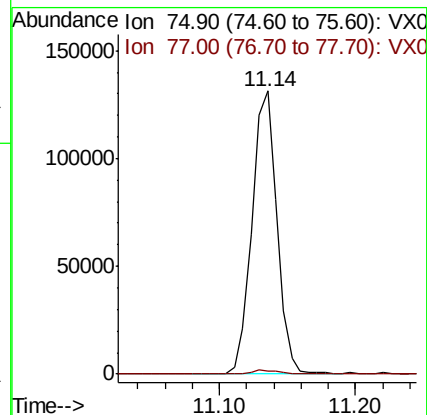
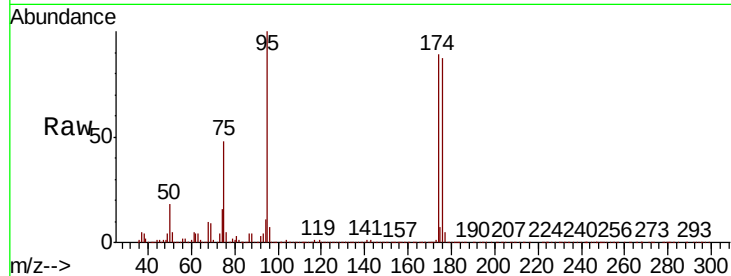
VX1212WBL01

Tot Ion: 75 Resp: 169113

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.727 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013968.D

Acq: 12 Dec 2019 11:47

Tgt Ion: 75 Resp: 169113

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.2 35.4 53.2#

