

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX013847.D
 Acq On : 09 Dec 2019 13:21
 Operator : JC/SP
 Sample : VX1209WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBL01

Quant Time: Dec 12 08:07:58 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	614301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	941182	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	836596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	380177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	341531	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	5.48	113	280625	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.71	98	1111585	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	382032	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

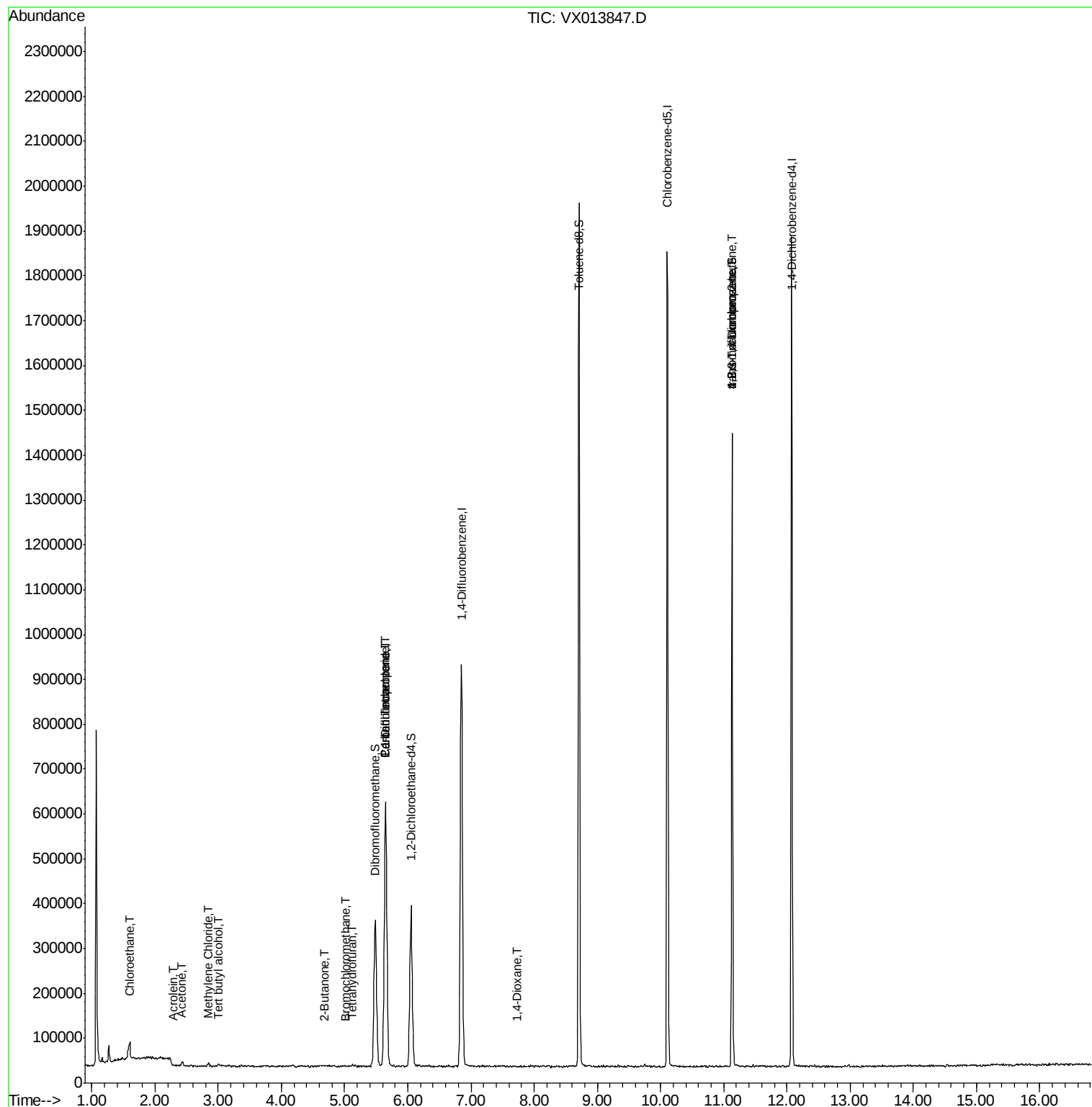
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	2603	0.530	ug/l #	42
11) Tert butyl alcohol	3.00	59	4180	2.375	ug/l #	74
13) Acrolein	2.28	56	488	6.408	ug/l #	53
16) Acetone	2.43	43	11221	3.187	ug/l	98
20) Methylene Chloride	2.84	84	3924	0.580	ug/l	86
25) 2-Butanone	4.69	43	2760	0.528	ug/l #	63
28) Bromochloromethane	5.01	49	1024	0.220	ug/l #	19
29) Tetrahydrofuran	5.13	42	4230	1.311	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	41316	4.836	ug/l #	49
38) Carbon Tetrachloride	5.65	117	52963	6.723	ug/l #	15
49) 1,4-Dioxane	7.73	88	298	1.736	ug/l #	73
76) 1,2,3-Trichloropropane	11.13	75	185903	21.741	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	185903	59.479	ug/l #	11

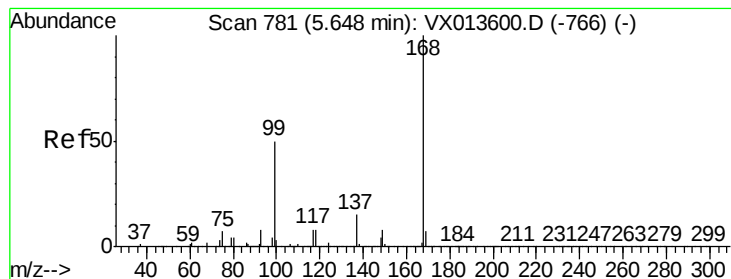
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
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: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

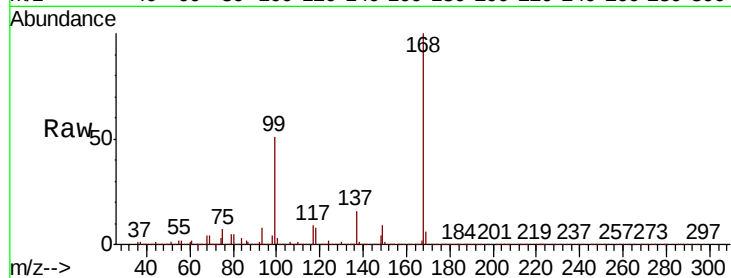
VX1209WBL01

Tot Ion:168 Resp: 614301

Ion Ratio Lower Upper

168 100

99 51.1 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

250000

200000

150000

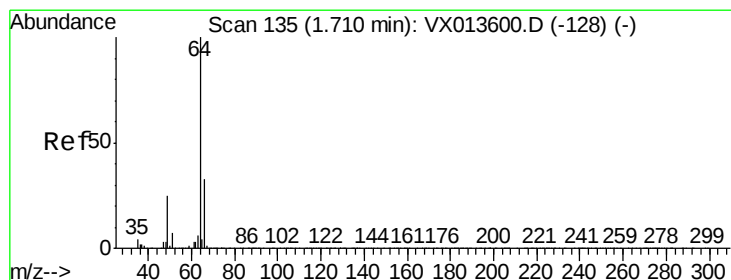
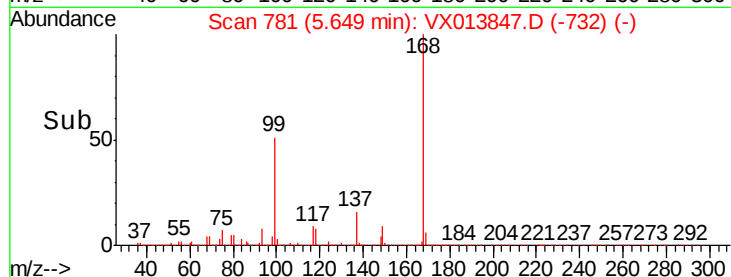
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.530 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.12 min

Lab File: VX013847.D

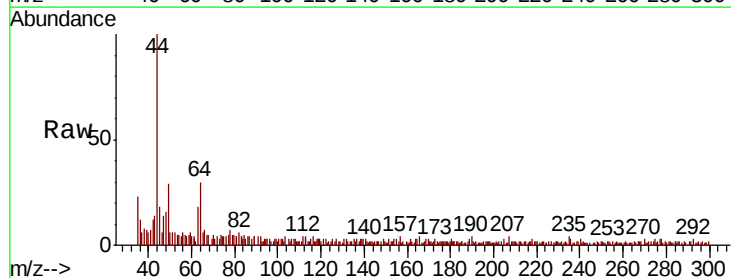
Acq: 09 Dec 2019 13:21

Tgt Ion: 64 Resp: 2603

Ion Ratio Lower Upper

64 100

66 0.2 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

3000

2500

2000

1500

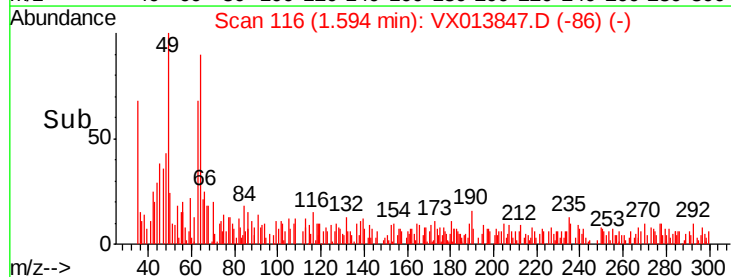
1000

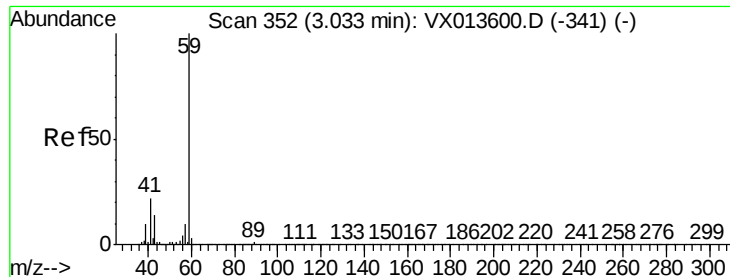
500

0

Time-->

1.54 1.56 1.58 1.60



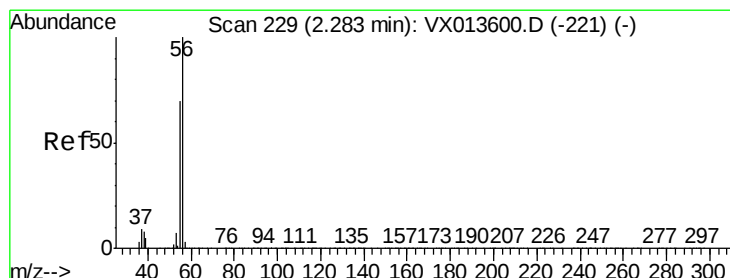
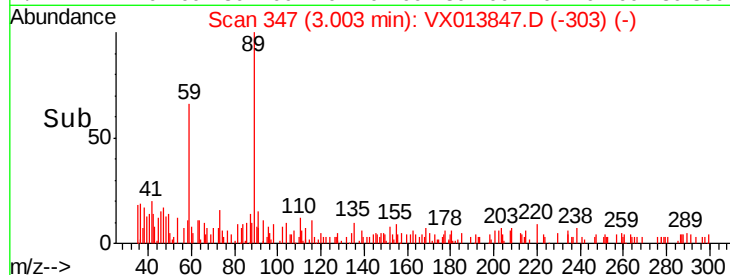
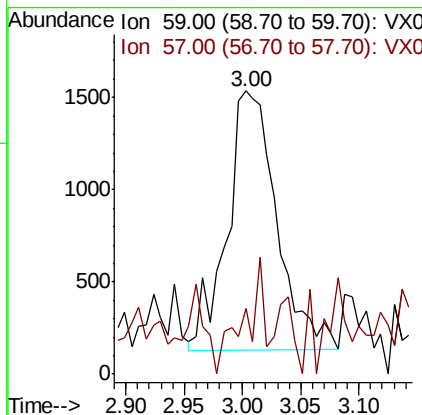
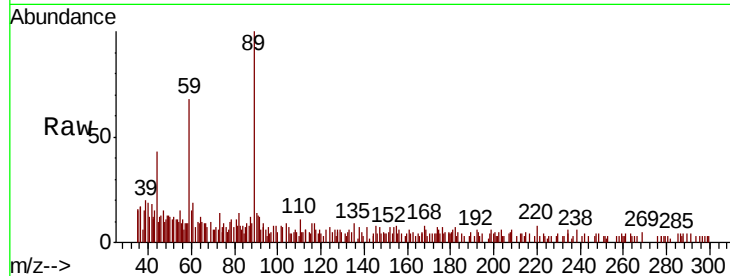


#11

Tert butyl alcohol
Concen: 2.375 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013847.D
Acq: 09 Dec 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

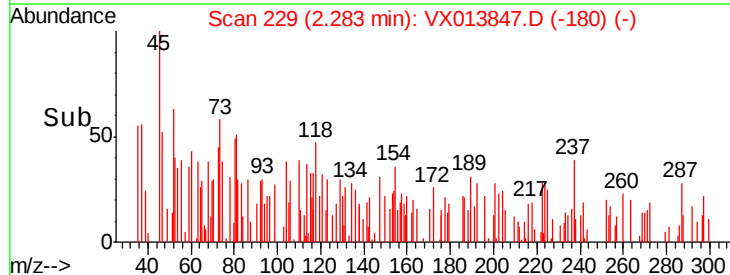
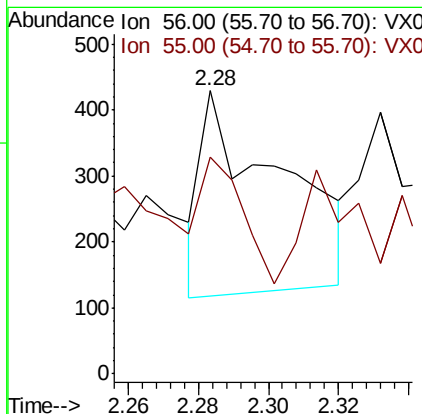
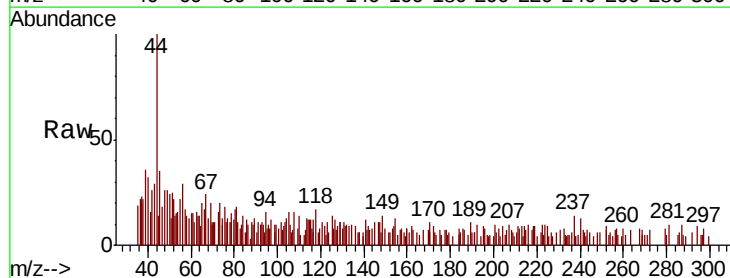
Tot Ion: 59 Resp: 4180
Ion Ratio Lower Upper
59 100
57 19.4 7.8 11.6#

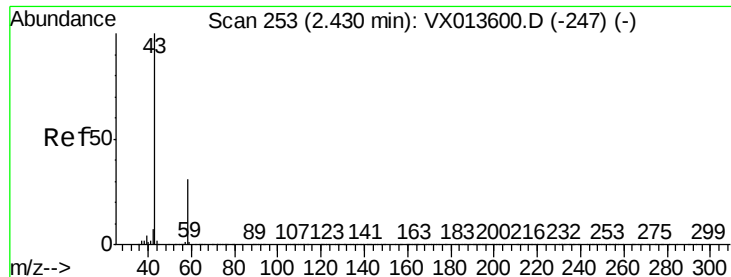


#13

Acrolein
Concen: 6.408 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013847.D
Acq: 09 Dec 2019 13:21

Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 31.8 56.2 84.4#

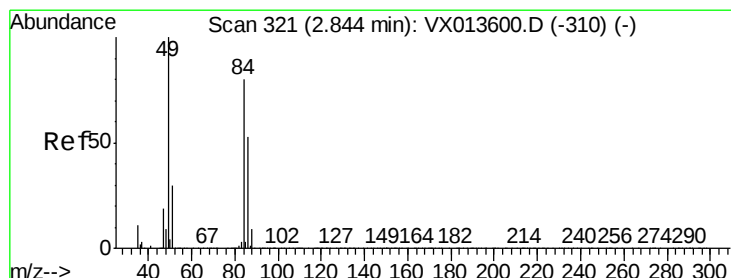
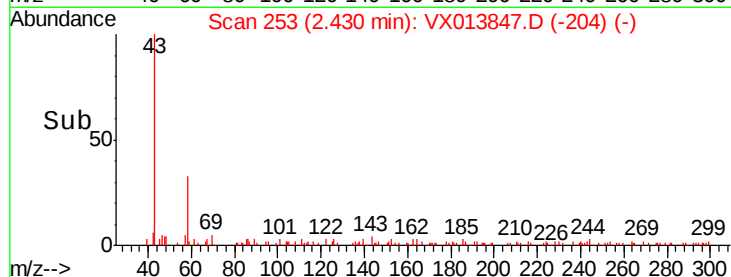
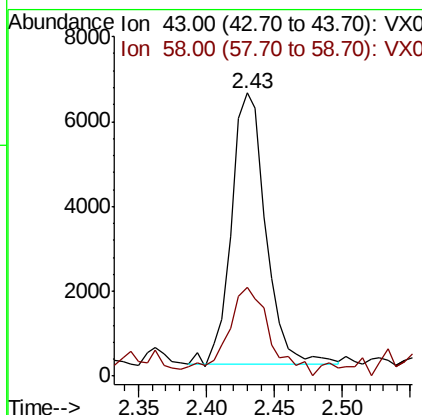
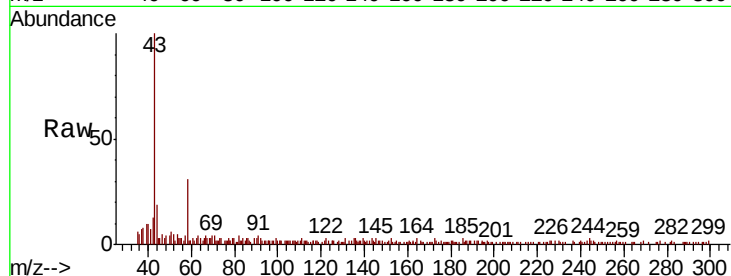




#16
Acetone
Concen: 3.187 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013847.D
Acq: 09 Dec 2019 13:21

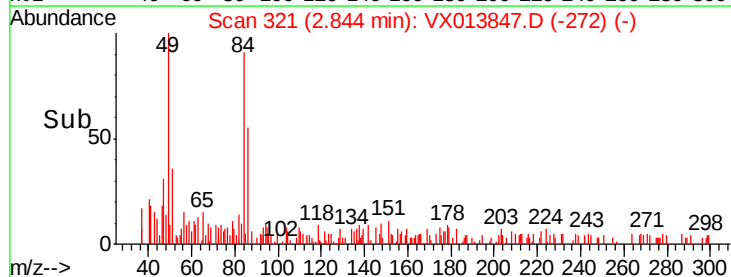
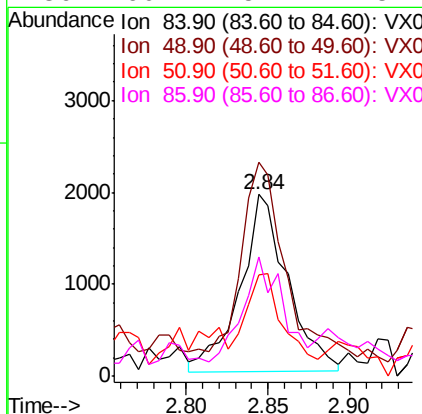
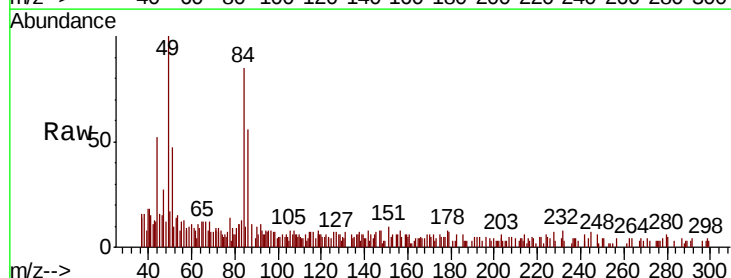
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

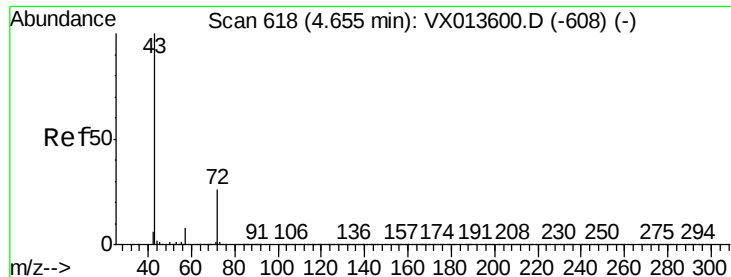
Tot Ion: 43 Resp: 11221
Ion Ratio Lower Upper
43 100
58 29.5 24.6 36.8



#20
Methylene Chloride
Concen: 0.580 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013847.D
Acq: 09 Dec 2019 13:21

Tgt Ion: 84 Resp: 3924
Ion Ratio Lower Upper
84 100
49 100.9 99.7 149.5
51 38.6 29.9 44.9
86 60.1 52.2 78.4





#25

2-Butanone

Concen: 0.528 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

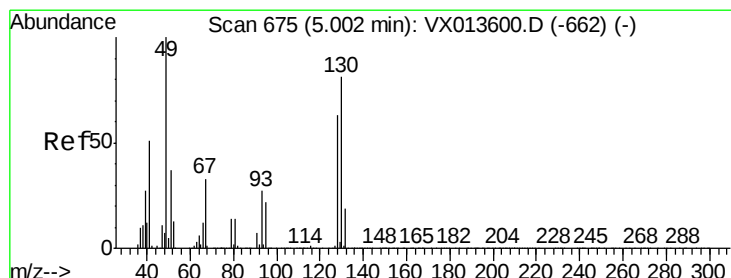
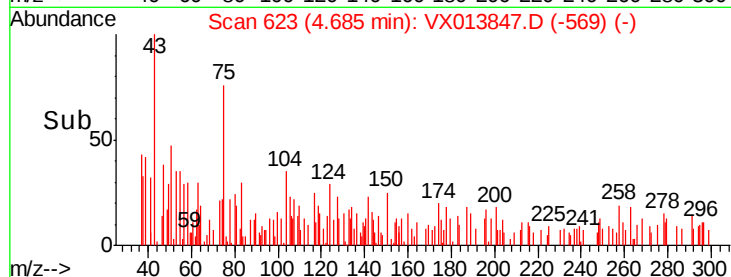
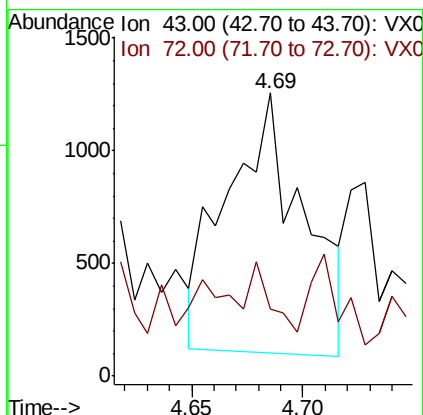
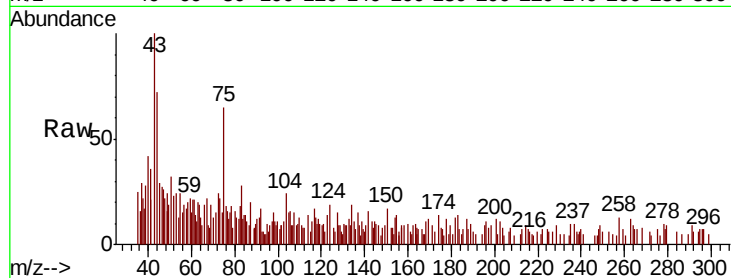
VX1209WBL01

Tot Ion: 43 Resp: 2760

Ion Ratio Lower Upper

43 100

72 6.8 20.6 31.0#



#28

Bromochloromethane

Concen: 0.220 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

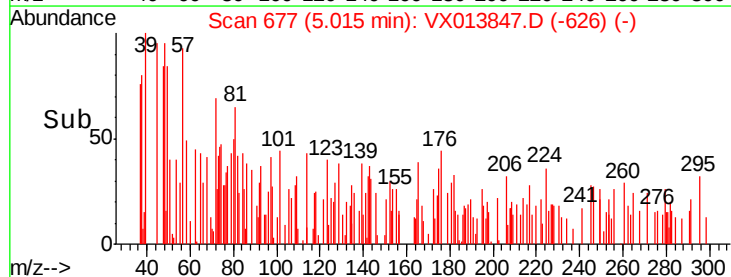
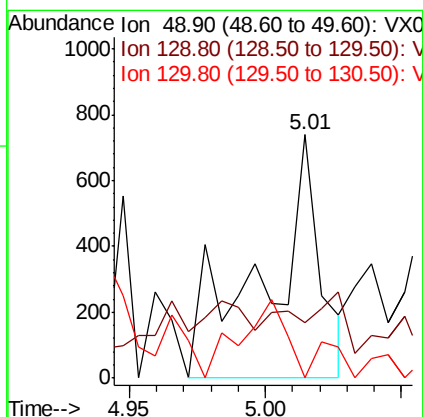
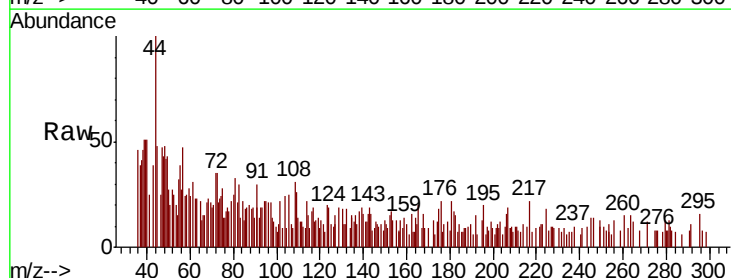
Tgt Ion: 49 Resp: 1024

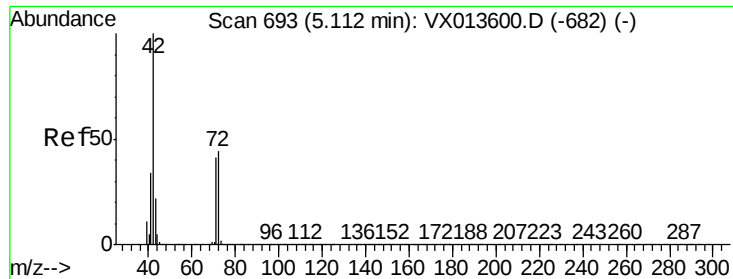
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 7.3 65.4 98.0#

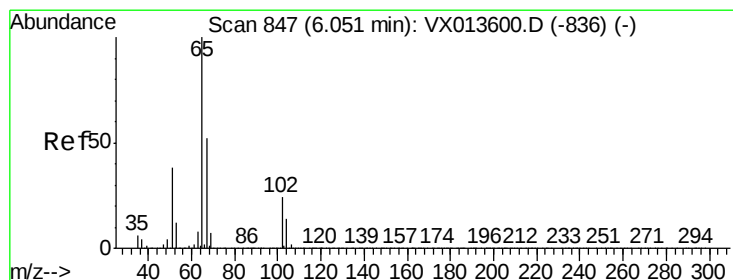
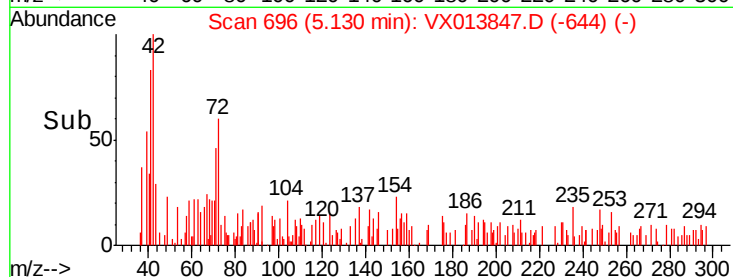
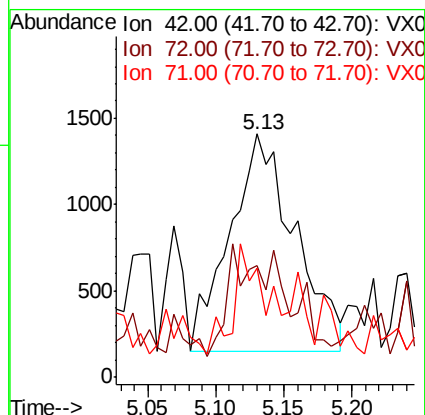
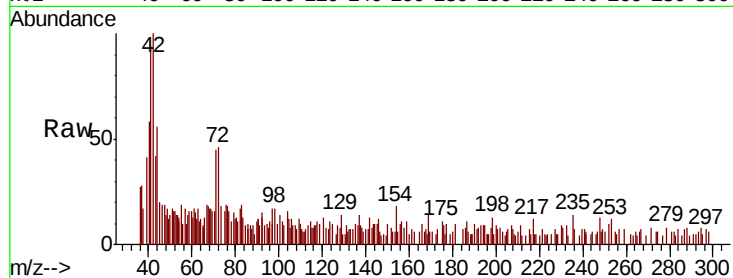




#29
Tetrahydrofuran
Concen: 1.311 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX013847.D
Acq: 09 Dec 2019 13:21

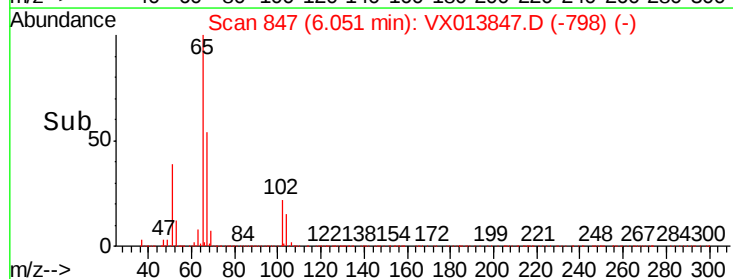
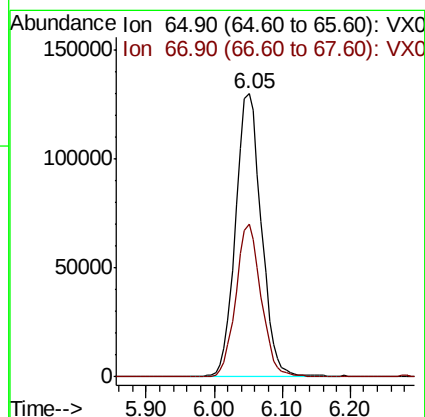
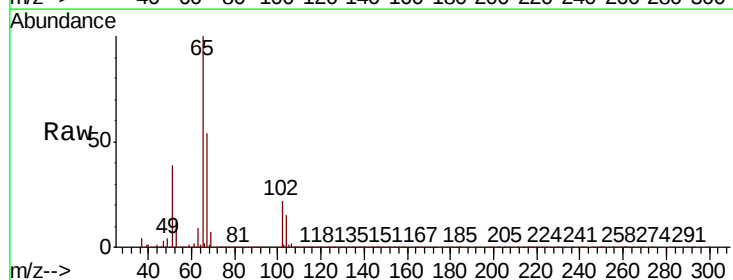
Instrument :
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ClientSampleId :
VX1209WBL01

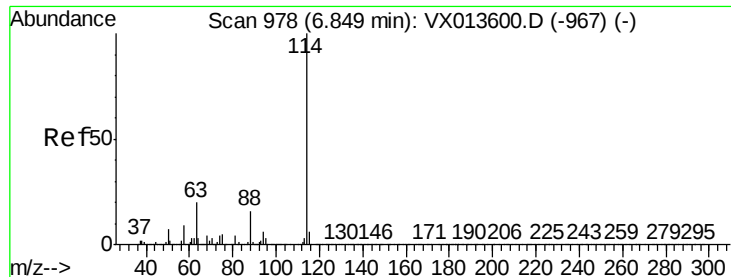
Tot Ion: 42 Resp: 4230
Ion Ratio Lower Upper
42 100
72 16.1 36.3 54.5#
71 24.3 33.2 49.8#



#33
1,2-Dichloroethane-d4
Concen: 47.896 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013847.D
Acq: 09 Dec 2019 13:21

Tgt Ion: 65 Resp: 341531
Ion Ratio Lower Upper
65 100
67 53.4 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: VX013847.D

Acq: 09 Dec 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

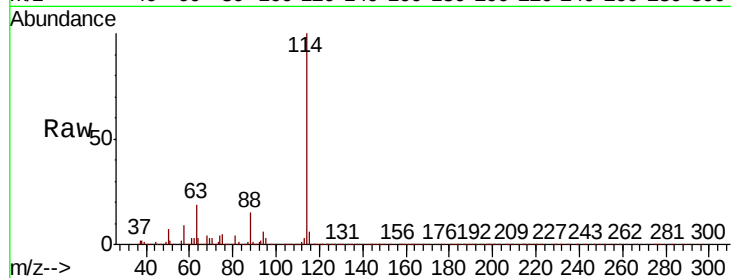
Tot Ion:114 Resp: 941182

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

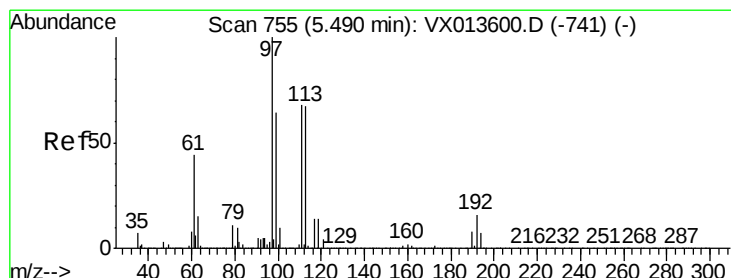
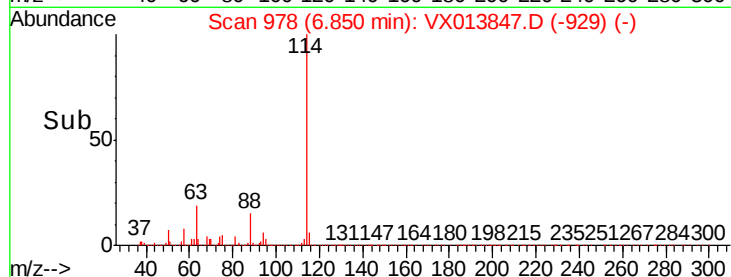
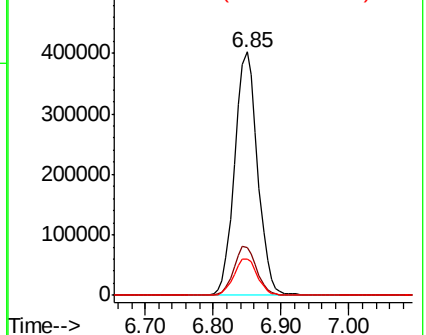
88 15.0 0.0 31.4



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: 48.230 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

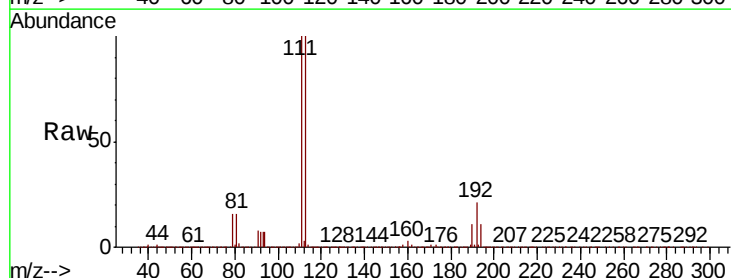
Tgt Ion:113 Resp: 280625

Ion Ratio Lower Upper

113 100

111 103.3 83.6 125.4

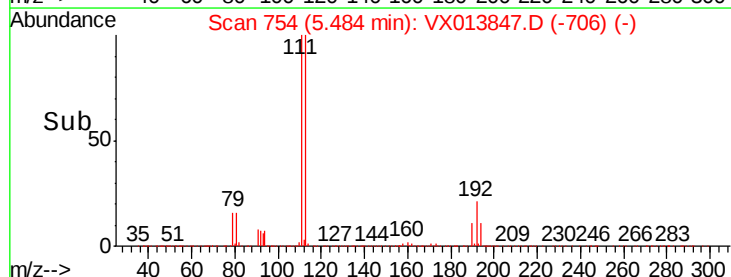
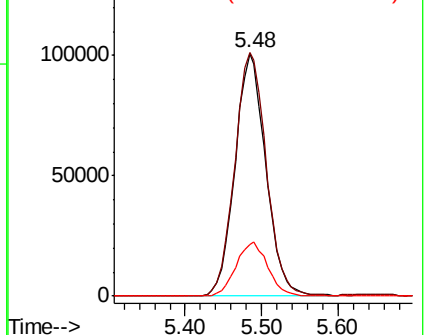
192 22.9 19.2 28.8

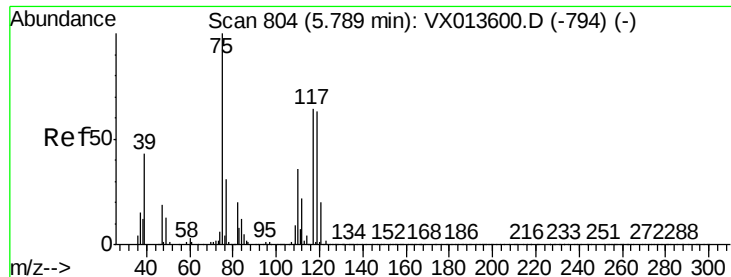


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

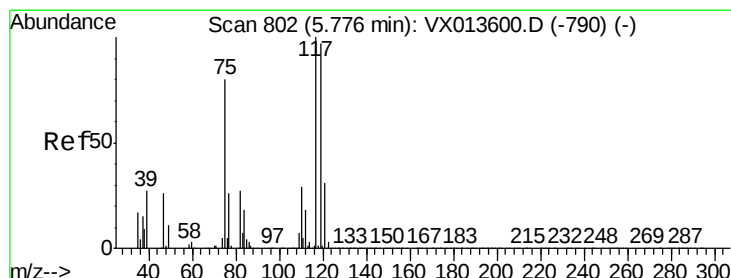
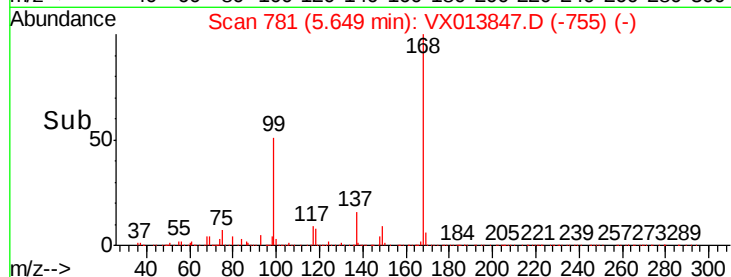
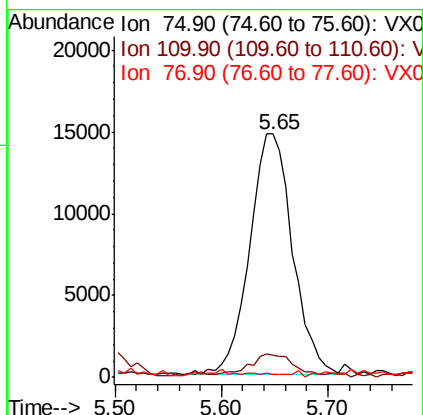
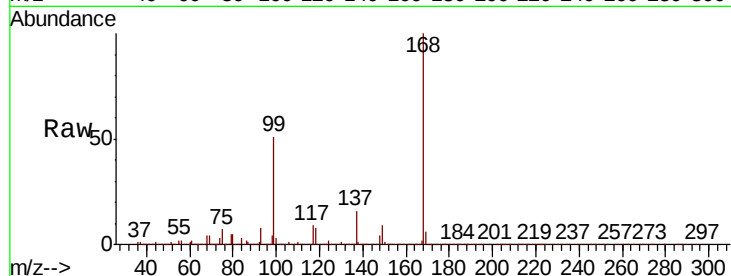




#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013847.D
 Acq: 09 Dec 2019 13:21

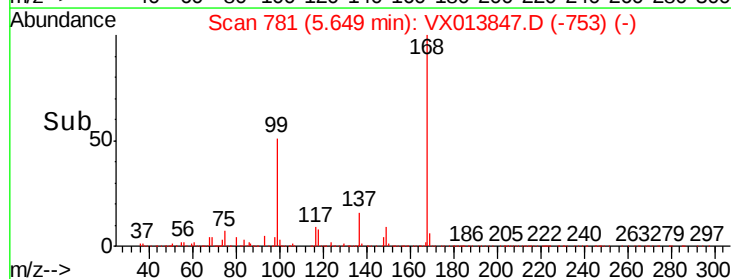
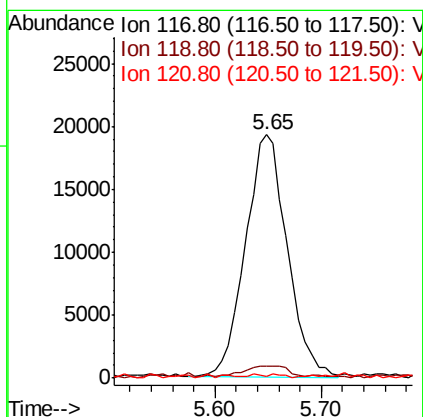
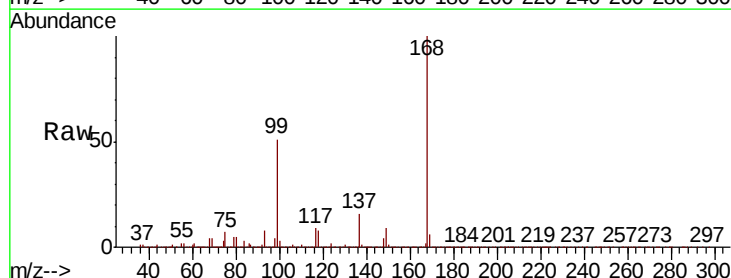
Instrument :
 MSVOA_X
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 VX1209WBL01

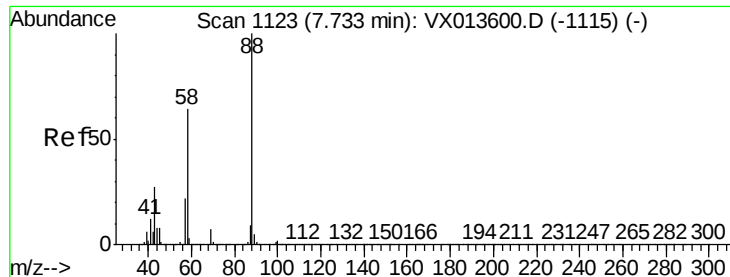
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.723 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013847.D
 Acq: 09 Dec 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.5	116.3#
121	0.0	25.0	37.6#





#49

1,4-Dioxane

Concen: 1.736 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

Instrument :

MSVOA_X

ClientSampled :

VX1209WBL01

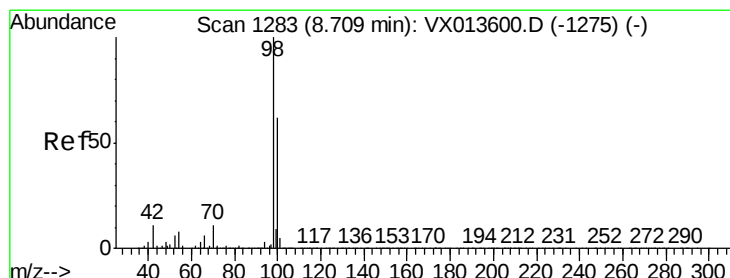
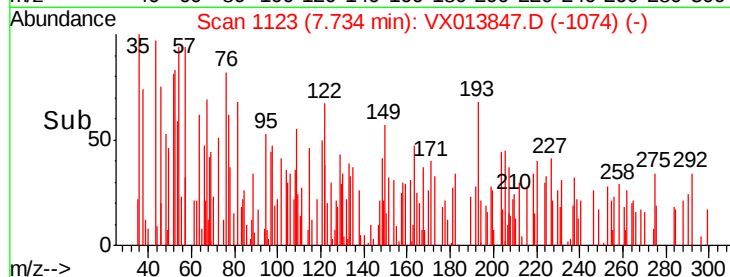
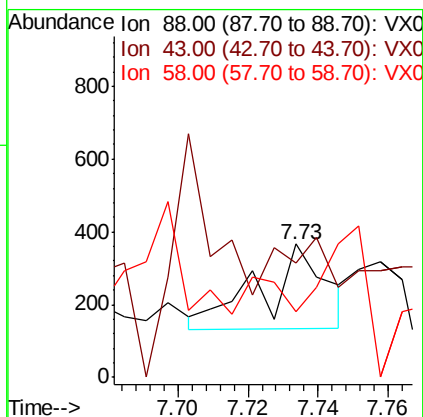
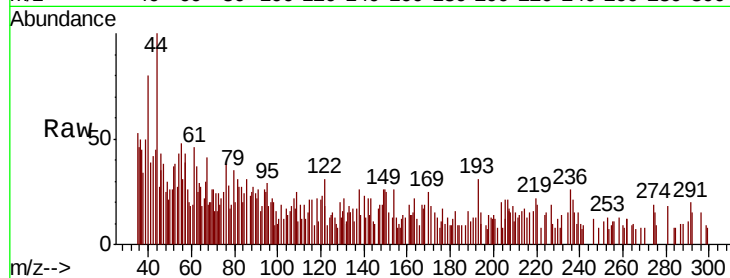
Tot Ion: 88 Resp: 298

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 57.7 54.6 82.0



#50

Toluene-d8

Concen: 49.034 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013847.D

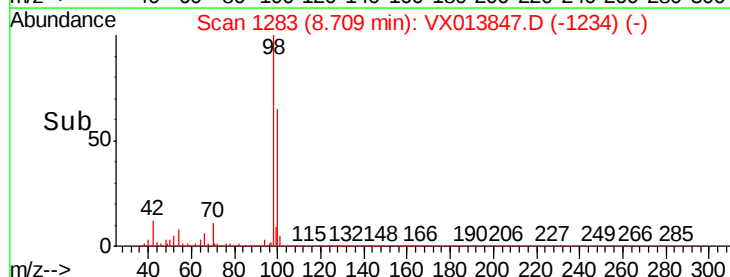
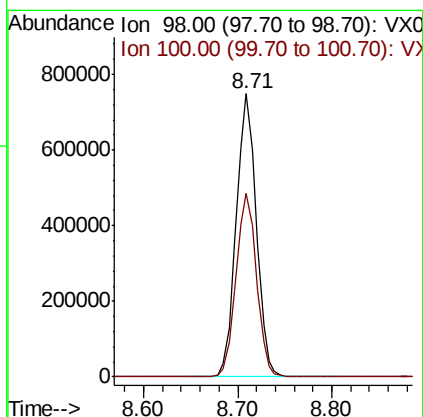
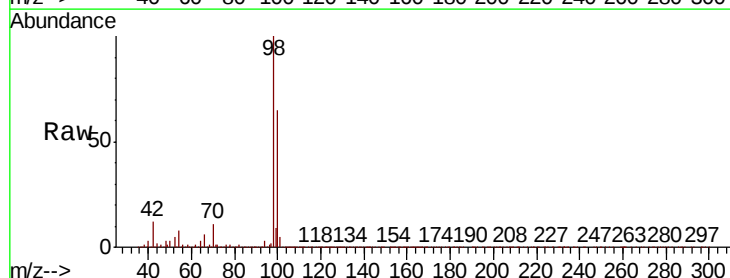
Acq: 09 Dec 2019 13:21

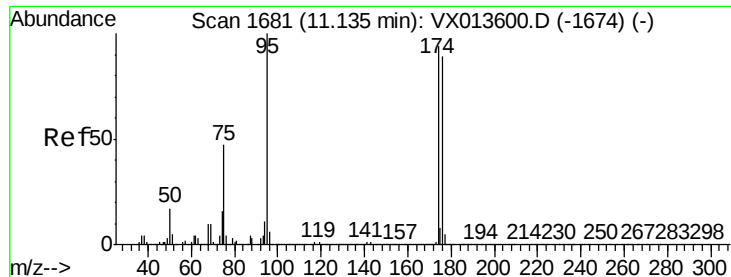
Tgt Ion: 98 Resp: 1111585

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 46.733 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

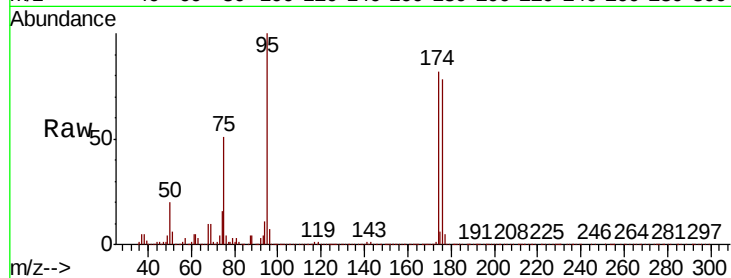
Tot Ion: 95 Resp: 382032

Ion Ratio Lower Upper

95 100

174 87.9 0.0 180.0

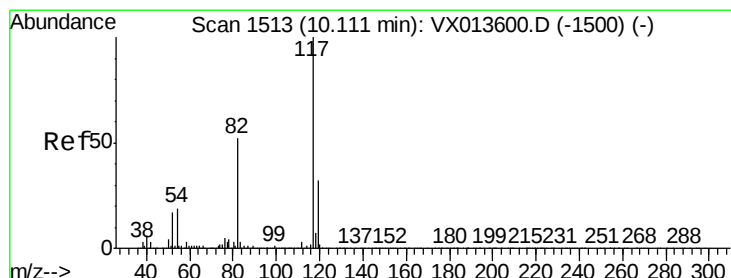
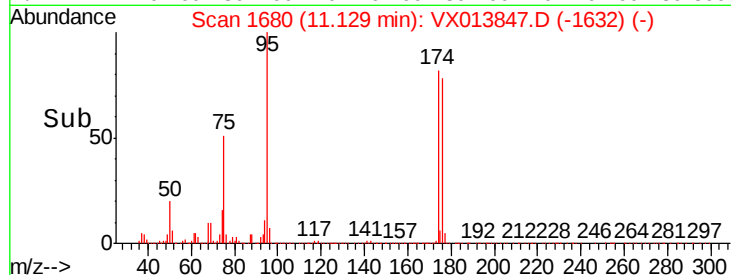
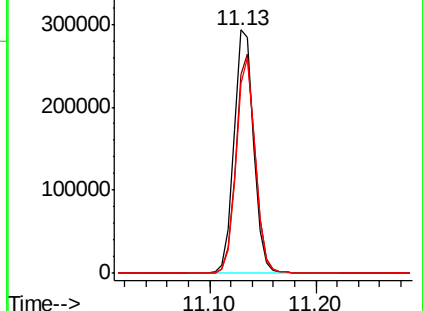
176 85.3 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX013600.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013600.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013600.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

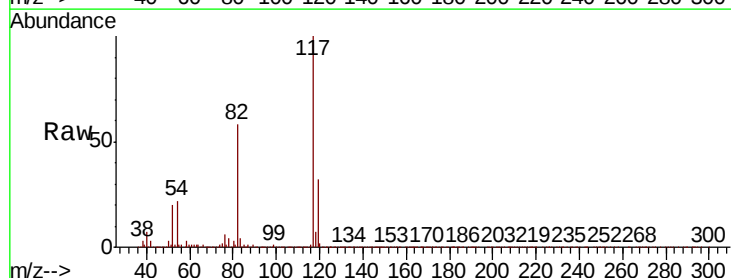
Tgt Ion: 117 Resp: 836596

Ion Ratio Lower Upper

117 100

82 58.0 41.8 62.8

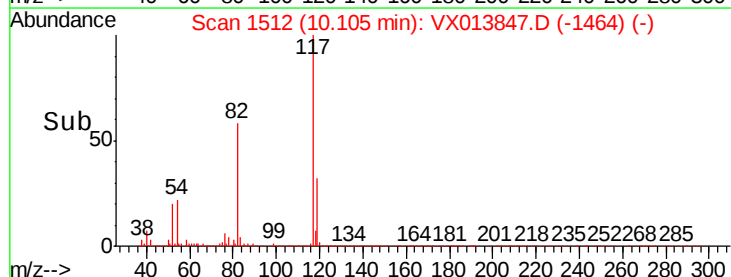
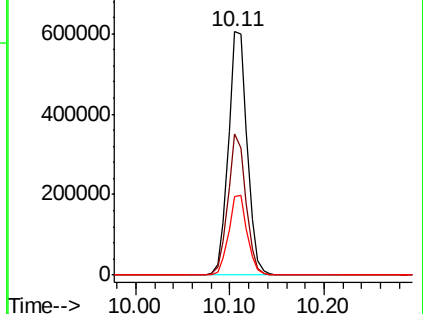
119 32.2 25.8 38.8

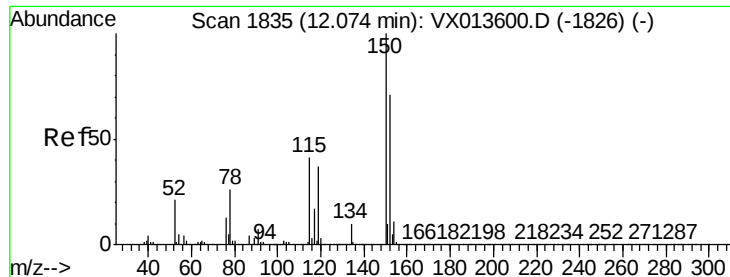


Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

Ion 82.00 (81.70 to 82.70): VX013600.D (-1500) (-)

Ion 118.90 (118.60 to 119.60): VX013600.D (-1500) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

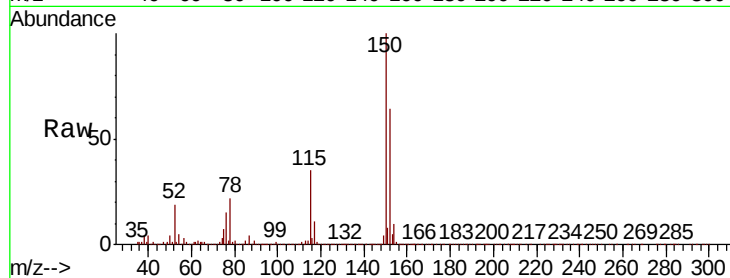
Tot Ion:152 Resp: 380177

Ion Ratio Lower Upper

152 100

115 56.0 38.4 115.1

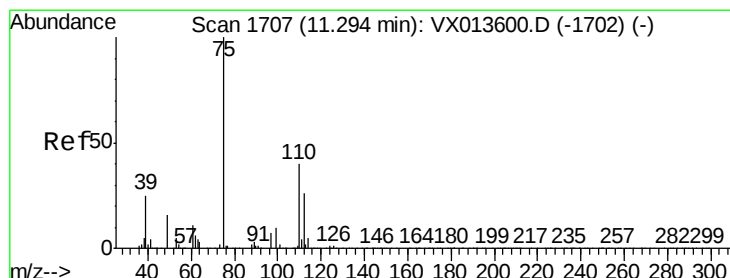
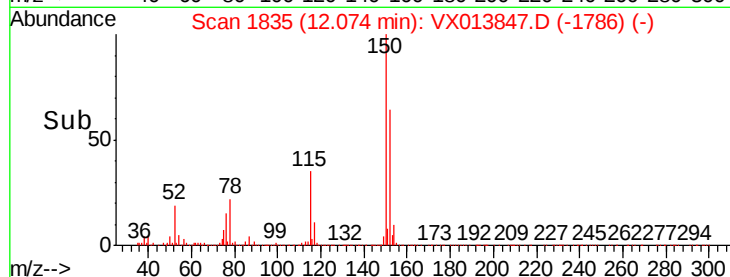
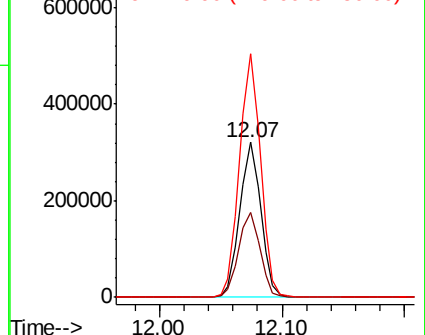
150 158.0 0.0 346.8



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: 21.741 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013847.D

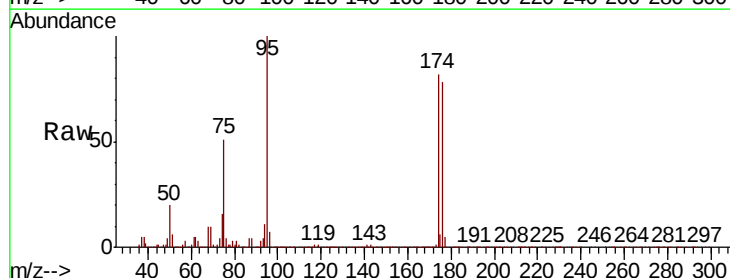
Acq: 09 Dec 2019 13:21

Tgt Ion: 75 Resp: 185903

Ion Ratio Lower Upper

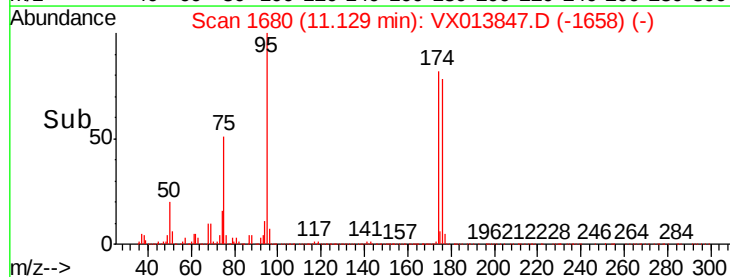
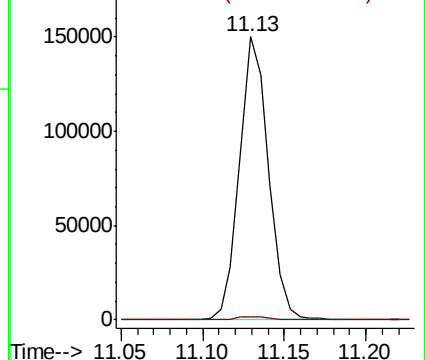
75 100

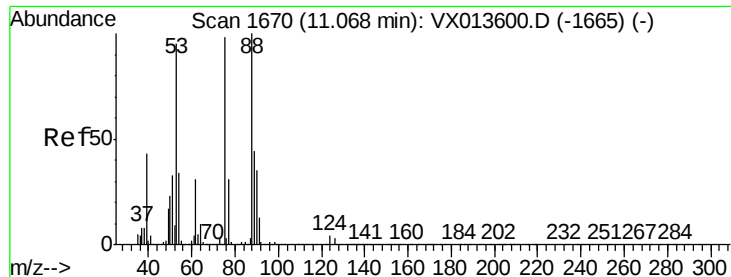
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.479 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013847.D

Acq: 09 Dec 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

Tot Ion: 75 Resp: 185903

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.1 35.4 53.2#

