

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013708.D
 Acq On : 29 Nov 2019 17:56
 Operator : JC/SP
 Sample : K6024-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-3

Quant Time: Nov 29 22:30:52 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	659946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1005931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	882732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	394105	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	365956	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	5.49	113	300467	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	8.71	98	1194567	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	393437	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	

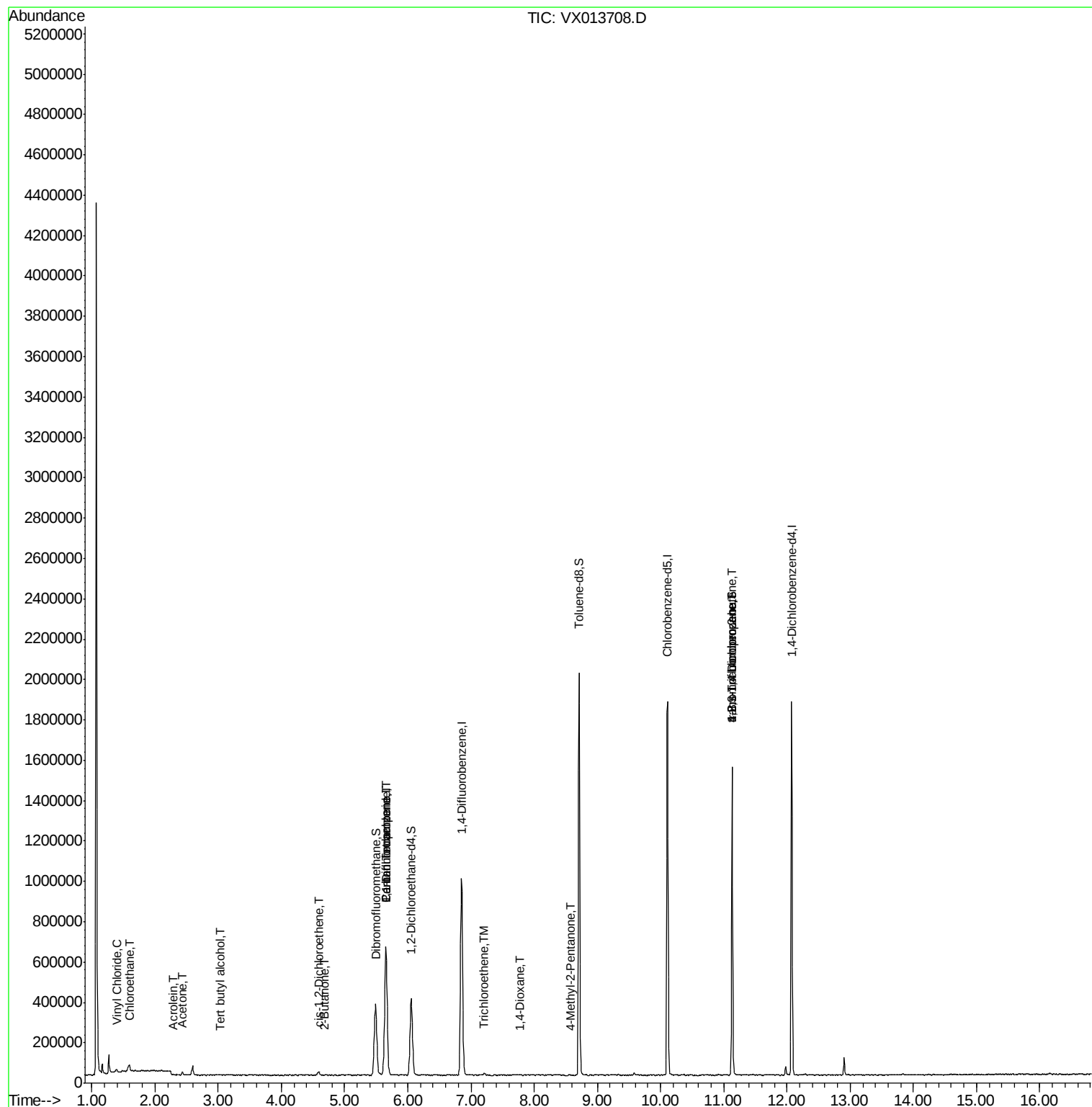
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2383	0.257	ug/l #	85
6) Chloroethane	1.59	64	12433	2.355	ug/l #	41
11) Tert butyl alcohol	3.03	59	2020	1.068	ug/l #	92
13) Acrolein	2.30	56	549	6.427	ug/l #	15
16) Acetone	2.44	43	17567	4.645	ug/l	90
25) 2-Butanone	4.69	43	4371	0.778	ug/l #	83
27) cis-1,2-Dichloroethene	4.59	96	12150	1.546	ug/l	91
36) 1,1-Dichloropropene	5.65	75	44605	4.885	ug/l #	53
38) Carbon Tetrachloride	5.65	117	57767	6.861	ug/l #	15
44) Trichloroethene	7.21	130	5561	0.729	ug/l	82
49) 1,4-Dioxane	7.76	88	191	1.041	ug/l #	24
51) 4-Methyl-2-Pentanone	8.57	43	2204	0.208	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	193630	21.844	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	193630	59.762	ug/l #	11

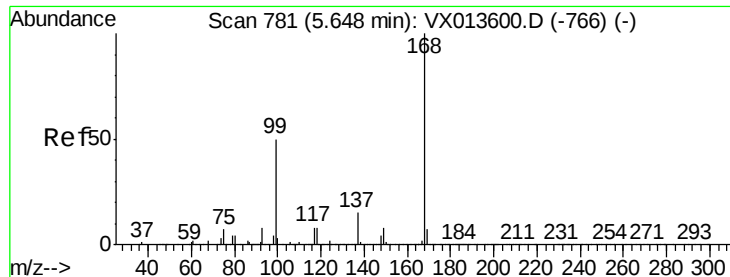
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampled :

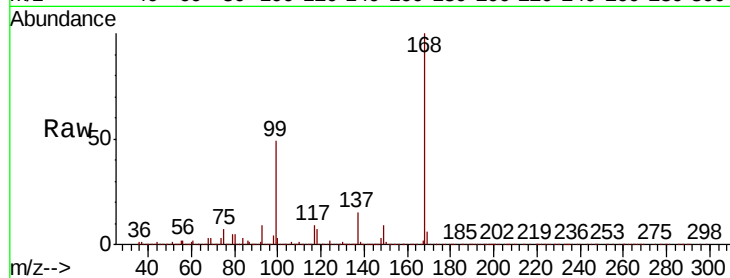
TWP-3

Tot Ion:168 Resp: 659946

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

250000

200000

150000

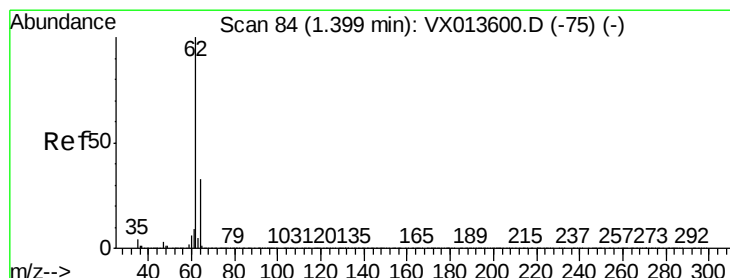
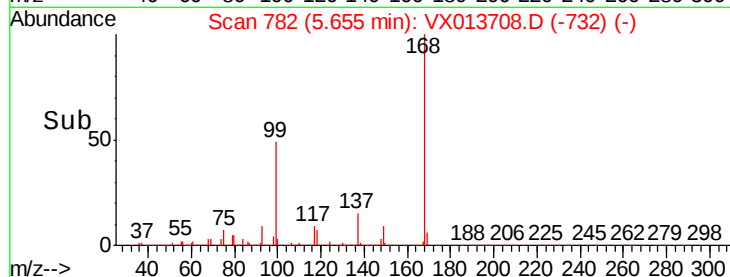
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.257 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013708.D

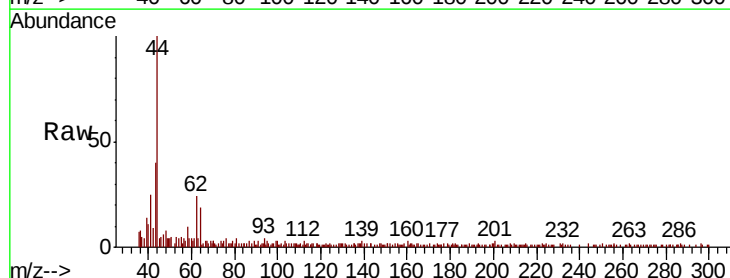
Acq: 29 Nov 2019 17:56

Tgt Ion: 62 Resp: 2383

Ion Ratio Lower Upper

62 100

64 24.0 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

2000

1500

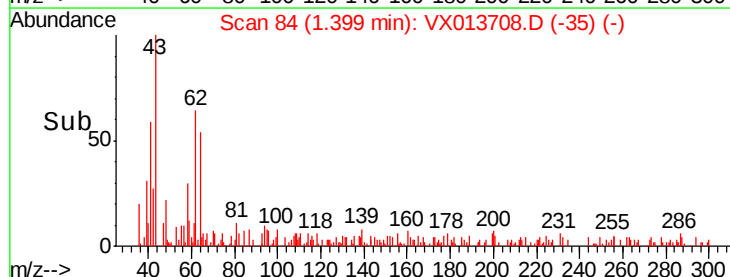
1000

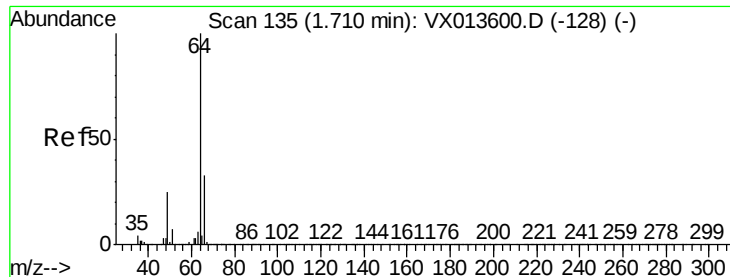
500

0

1.35 1.40 1.45

Time-->





#6

Chloroethane

Concen: 2.355 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.12 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

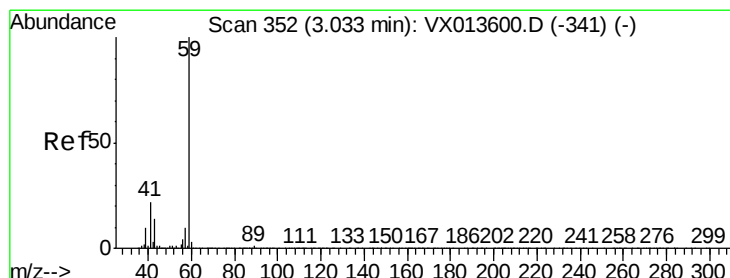
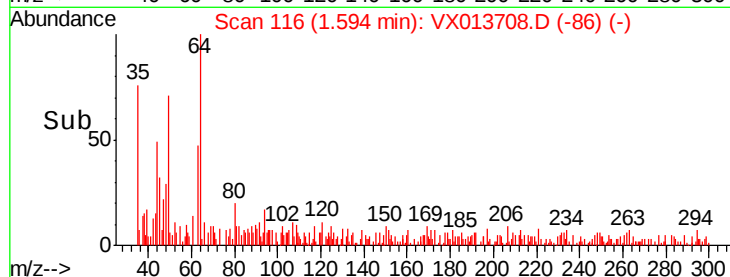
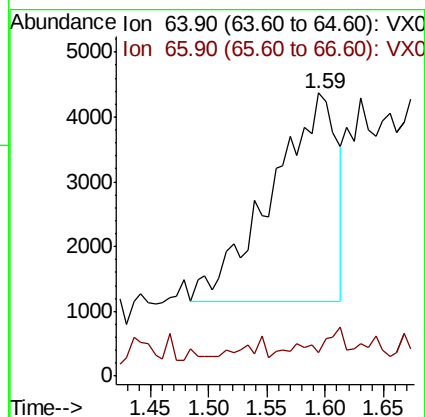
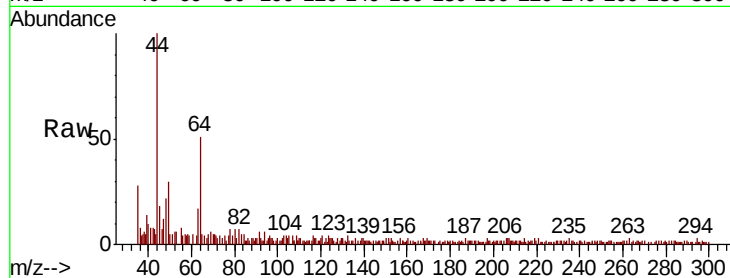
TWP-3

Tot Ion: 64 Resp: 12433

Ion Ratio Lower Upper

64 100

66 0.0 26.7 40.1#



#11

Tert butyl alcohol

Concen: 1.068 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013708.D

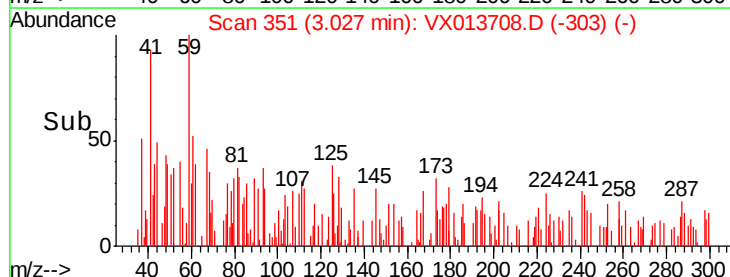
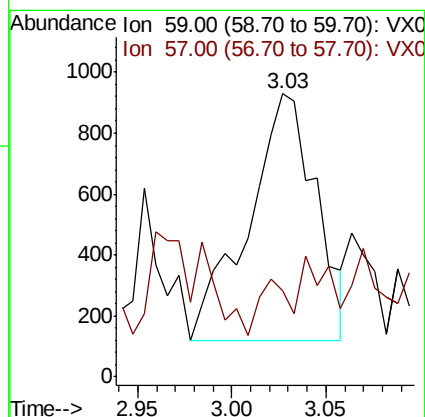
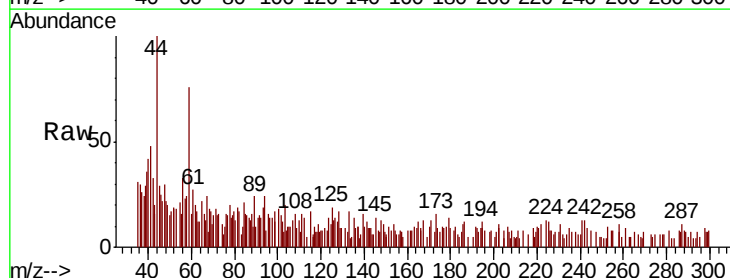
Acq: 29 Nov 2019 17:56

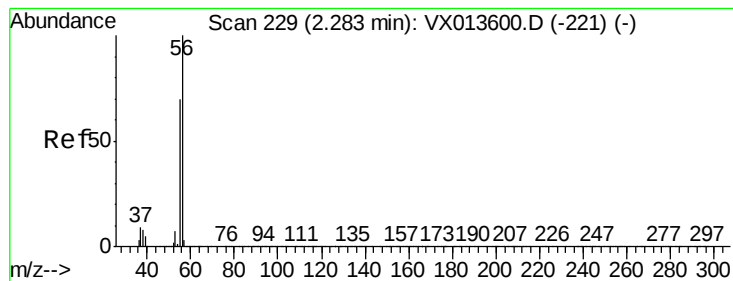
Tgt Ion: 59 Resp: 2020

Ion Ratio Lower Upper

59 100

57 12.8 7.8 11.6#





#13

Acrolein

Concen: 6.427 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

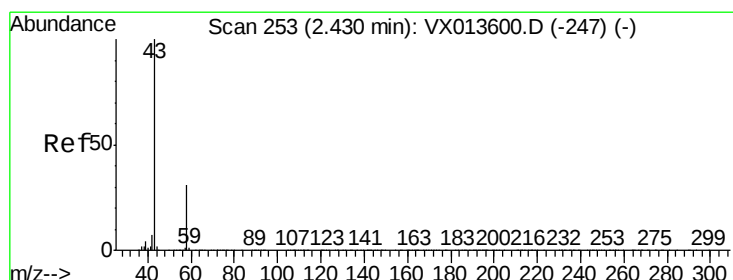
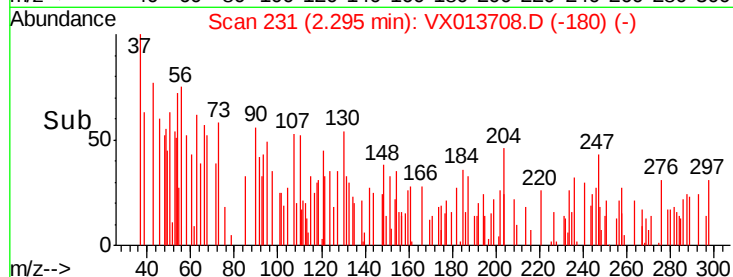
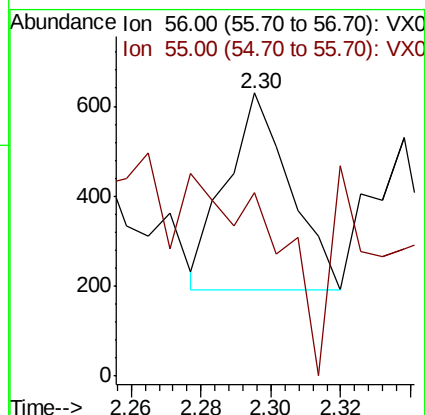
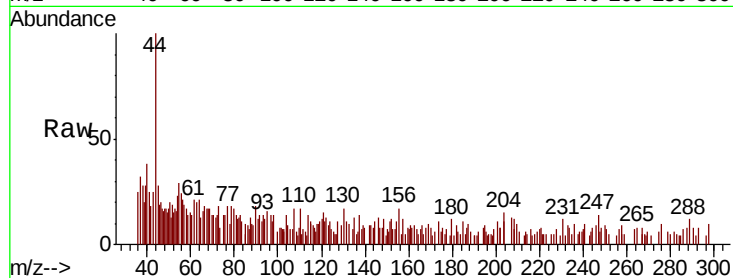
Instrument :
MSVOA_X
ClientSampled :
TWP-3

Tot Ion: 56 Resp: 549

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 4.645 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013708.D

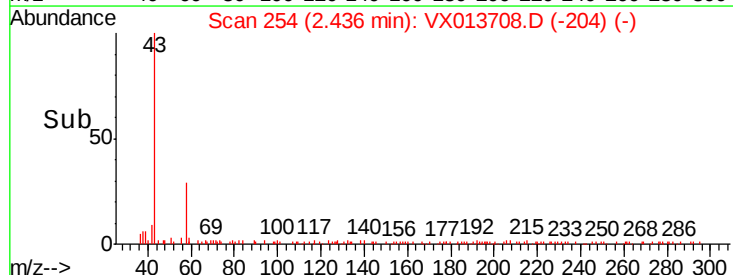
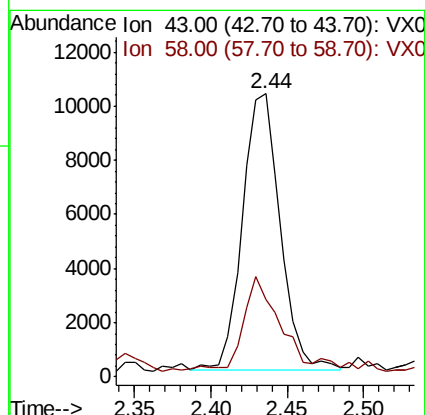
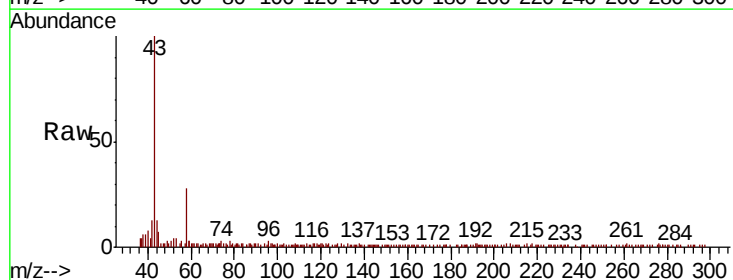
Acq: 29 Nov 2019 17:56

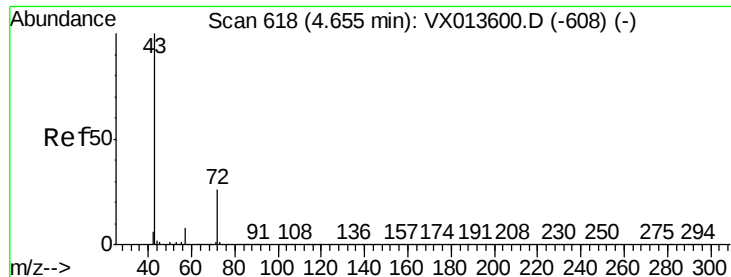
Tgt Ion: 43 Resp: 17567

Ion Ratio Lower Upper

43 100

58 25.1 24.6 36.8





#25

2-Butanone

Concen: 0.778 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampled :

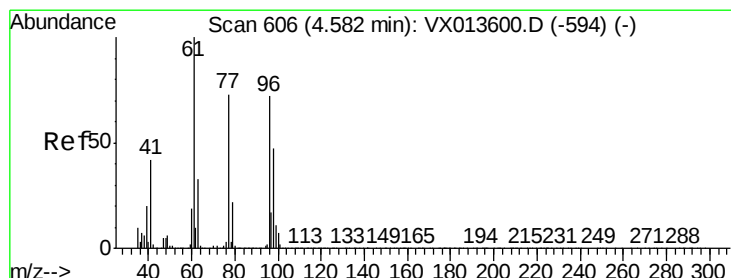
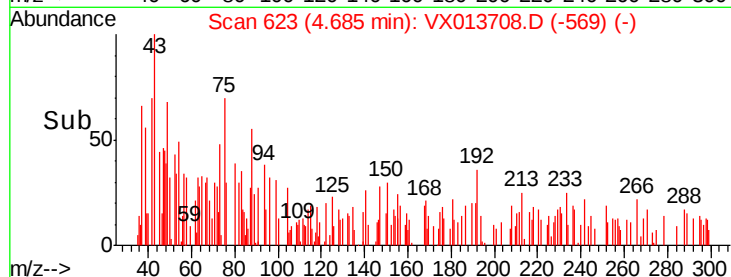
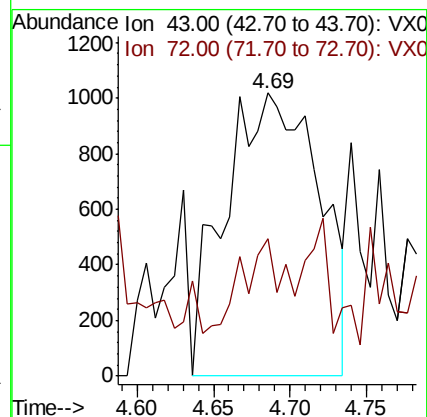
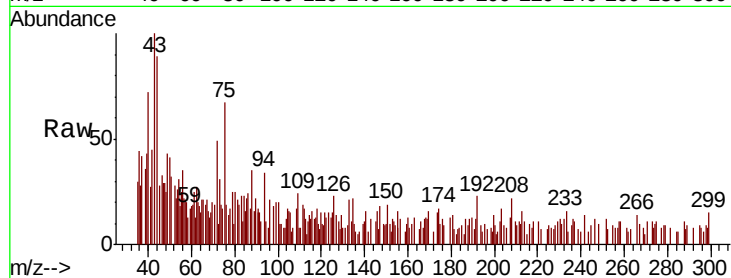
TWP-3

Tot Ion: 43 Resp: 4371

Ion Ratio Lower Upper

43 100

72 34.5 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 1.546 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

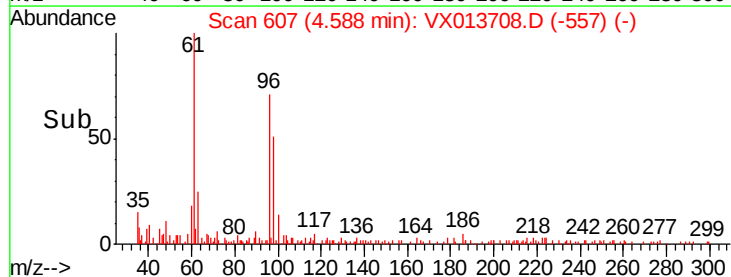
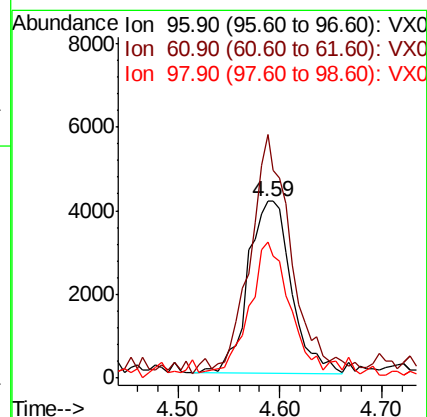
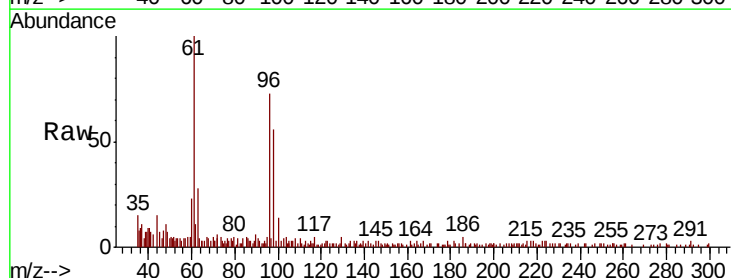
Tgt Ion: 96 Resp: 12150

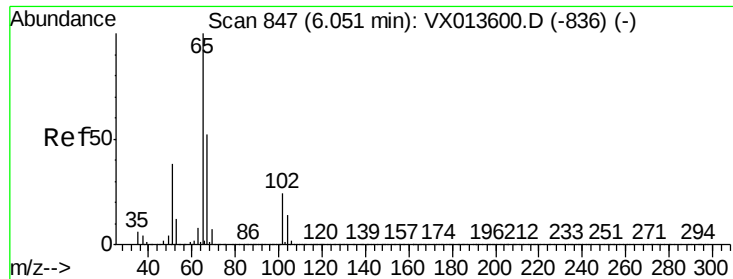
Ion Ratio Lower Upper

96 100

61 130.5 0.0 286.4

98 67.5 0.0 127.4





#33

1,2-Dichloroethane-d4

Concen: 47.772 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

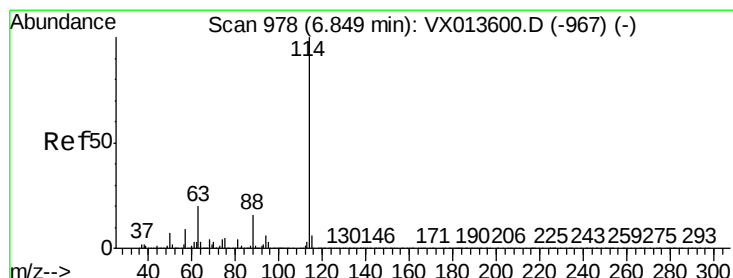
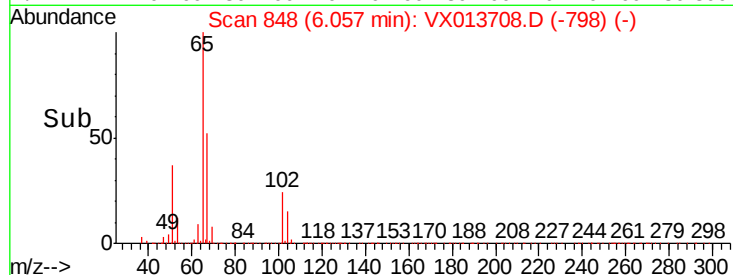
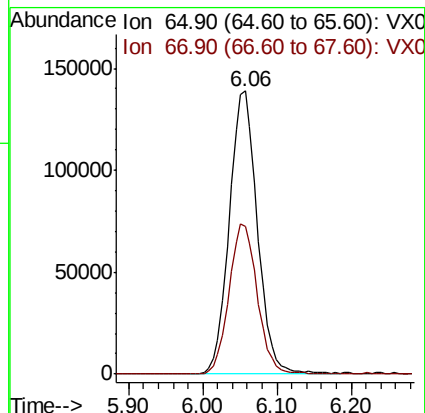
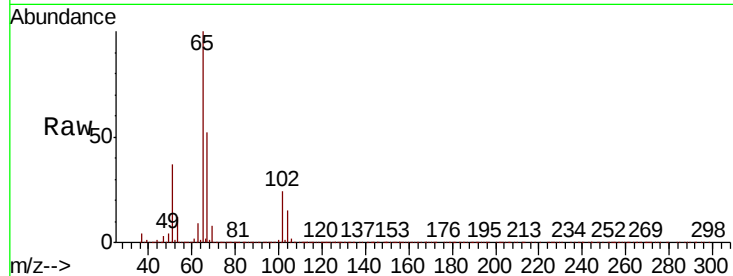
TWP-3

Tot Ion: 65 Resp: 365956

Ion Ratio Lower Upper

65 100

67 52.6 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: VX013708.D

Acq: 29 Nov 2019 17:56

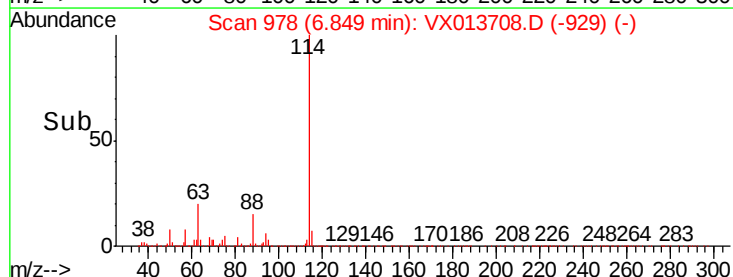
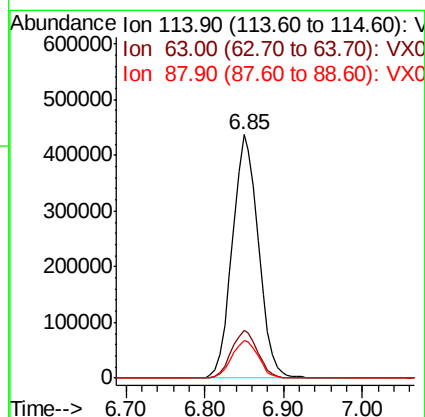
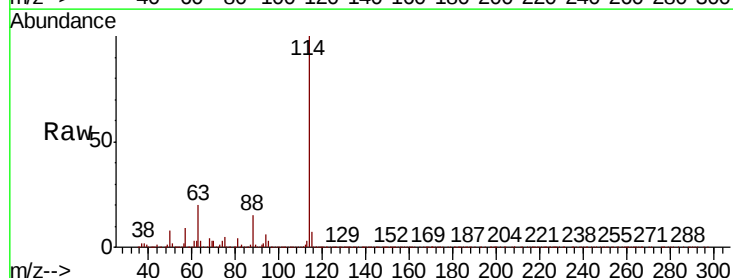
Tgt Ion: 114 Resp: 1005931

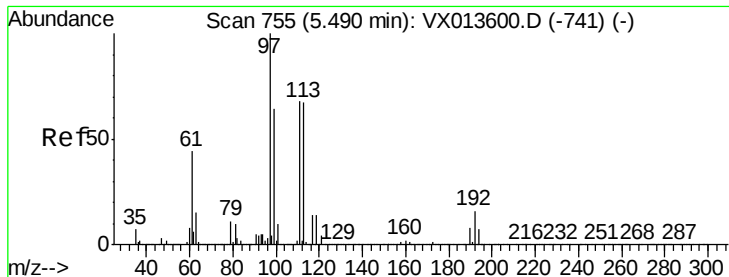
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.316 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

TWP-3

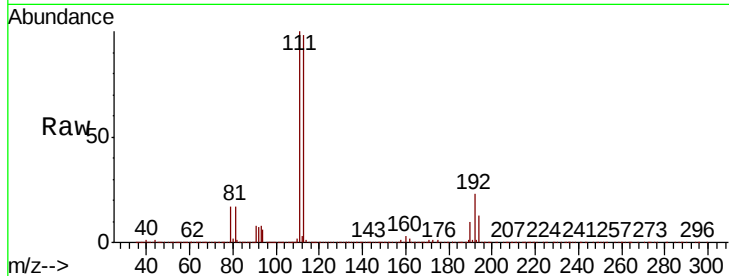
Tot Ion:113 Resp: 300467

Ion Ratio Lower Upper

113 100

111 103.1 83.6 125.4

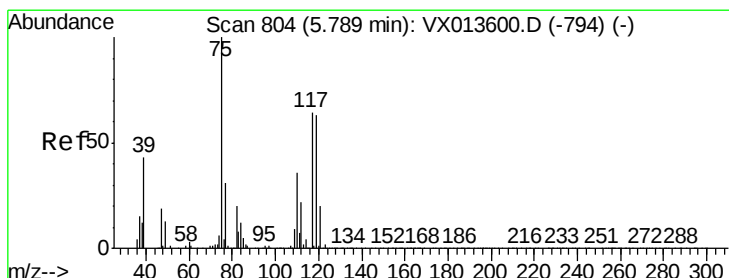
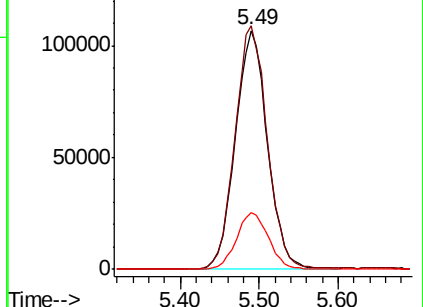
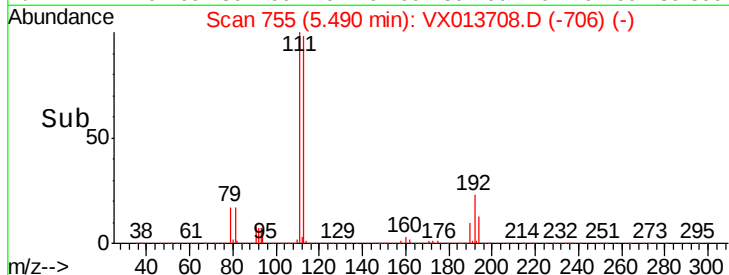
192 24.0 19.2 28.8



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: 4.885 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

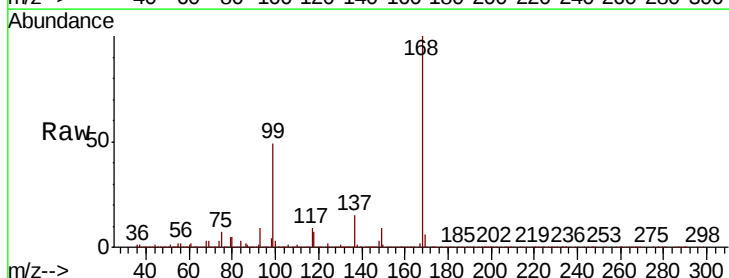
Tgt Ion: 75 Resp: 44605

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.1#

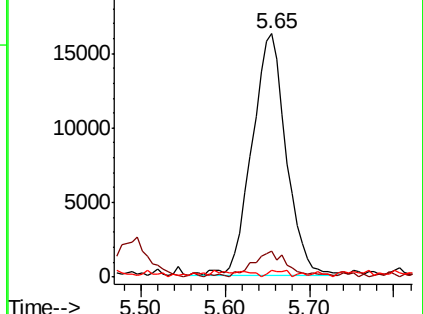
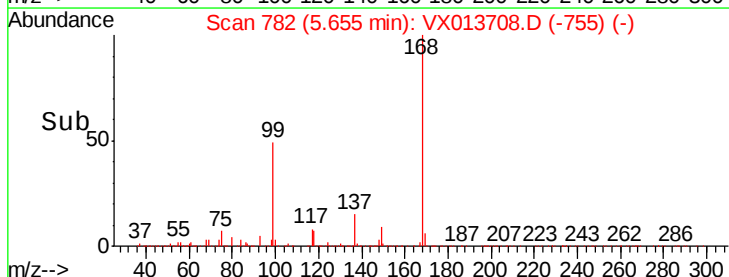
77 1.7 24.5 36.7#

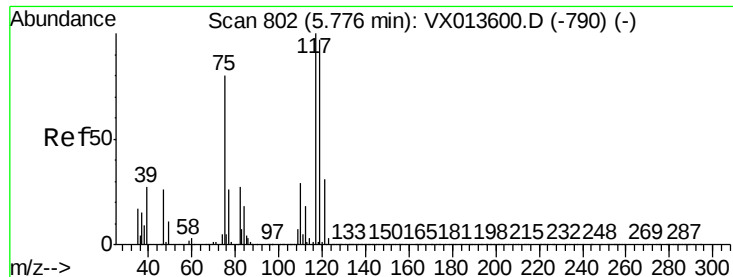


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.861 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampled :

TWP-3

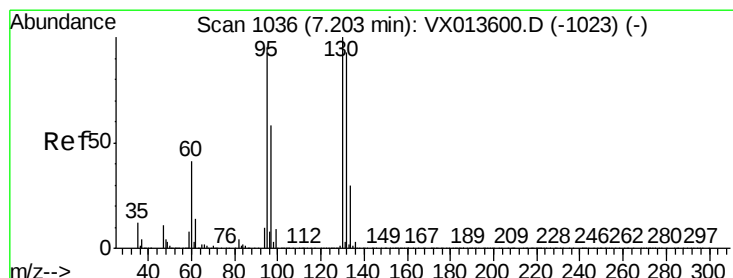
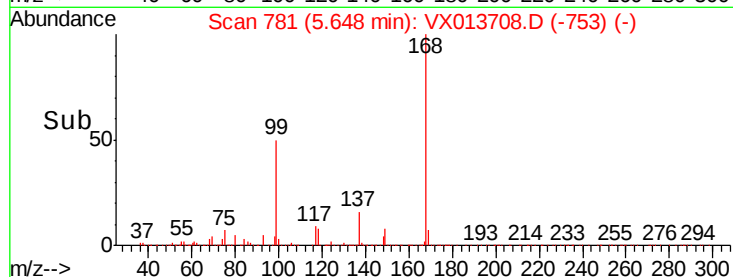
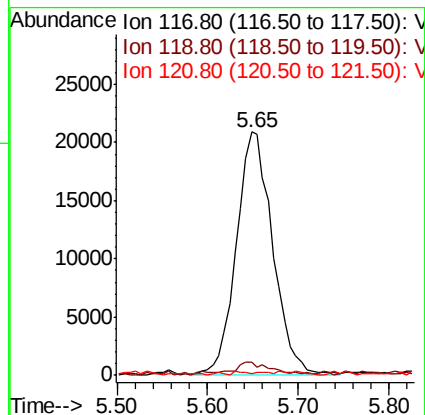
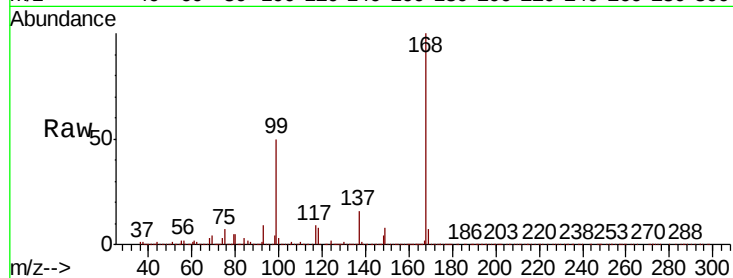
Tot Ion:117 Resp: 57767

Ion Ratio Lower Upper

117 100

119 4.9 77.5 116.3#

121 0.1 25.0 37.6#



#44

Trichloroethene

Concen: 0.729 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013708.D

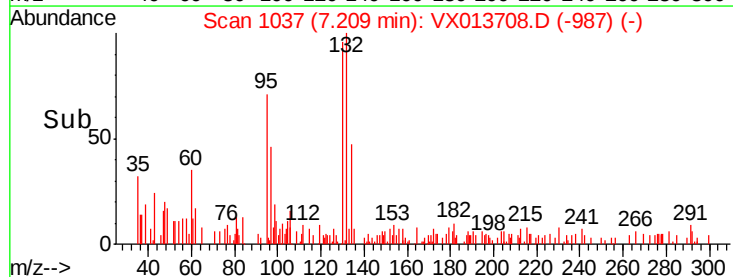
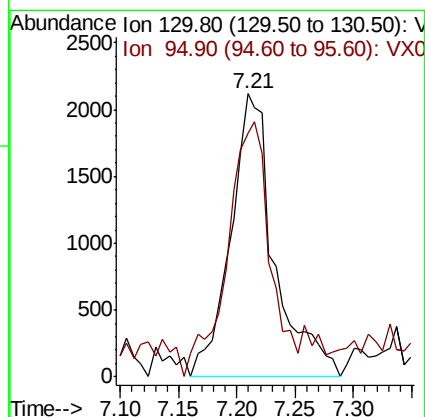
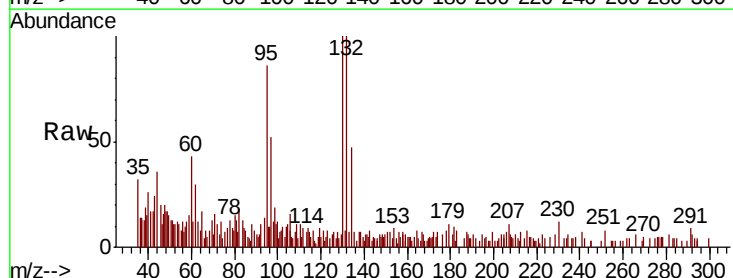
Acq: 29 Nov 2019 17:56

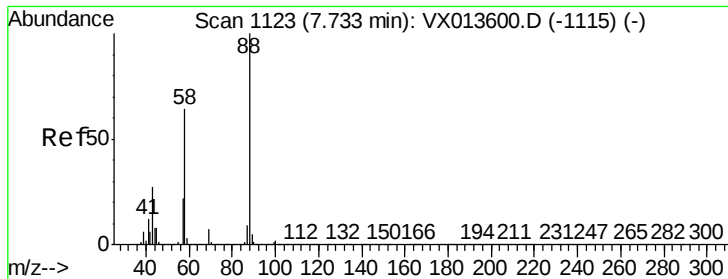
Tgt Ion:130 Resp: 5561

Ion Ratio Lower Upper

130 100

95 77.8 0.0 190.8





#49

1,4-Dioxane

Concen: 1.041 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.03 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampled :

TWP-3

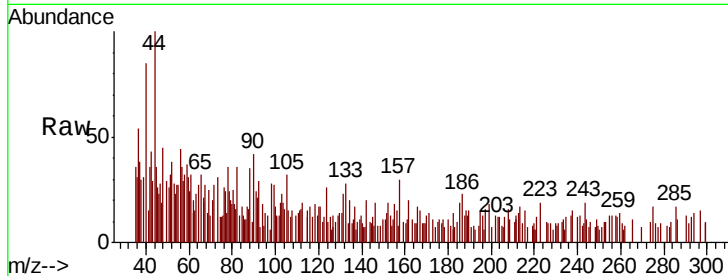
Tot Ion: 88 Resp: 191

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

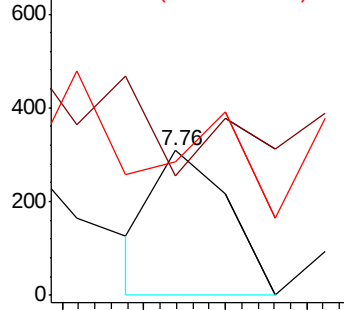
58 0.0 54.6 82.0#



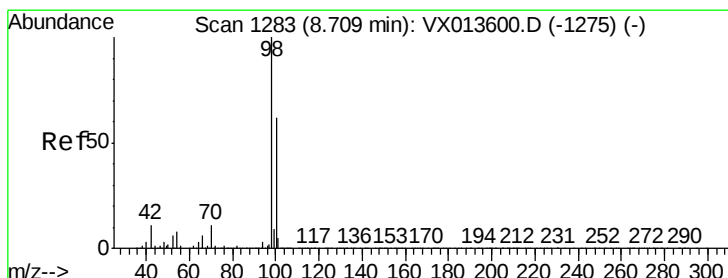
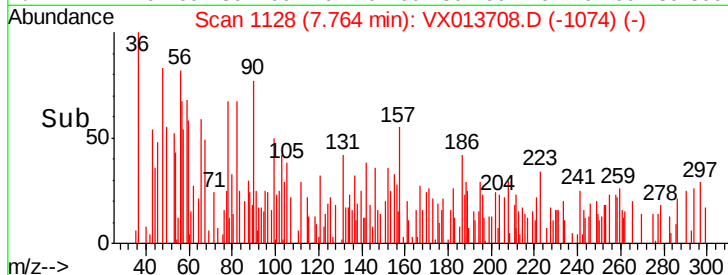
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.303 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013708.D

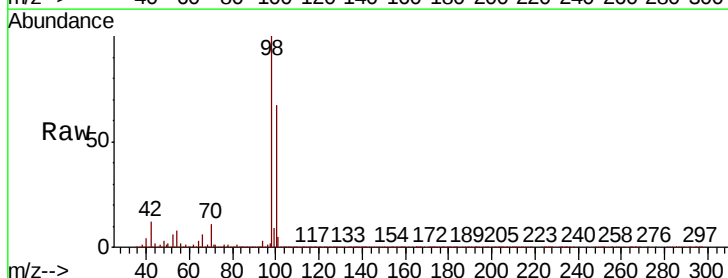
Acq: 29 Nov 2019 17:56

Tgt Ion: 98 Resp: 1194567

Ion Ratio Lower Upper

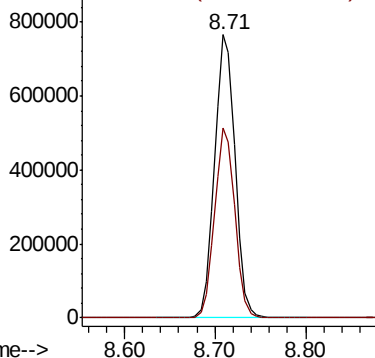
98 100

100 66.1 53.1 79.7

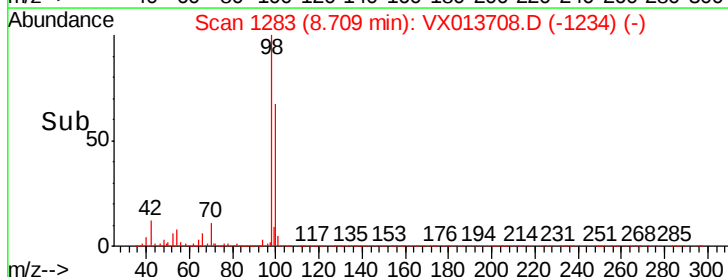


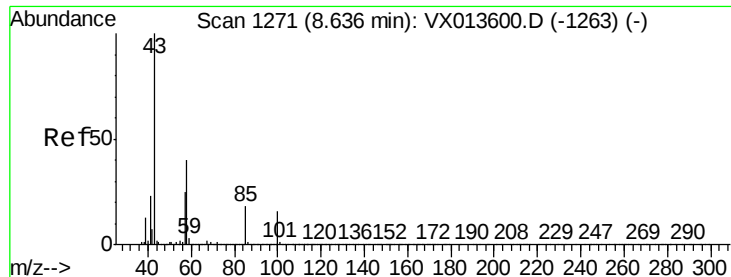
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.208 ug/l

RT: 8.57 min Scan# 1261

Delta R.T. -0.06 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampled :

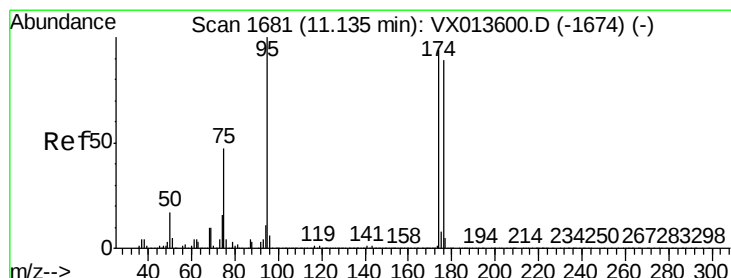
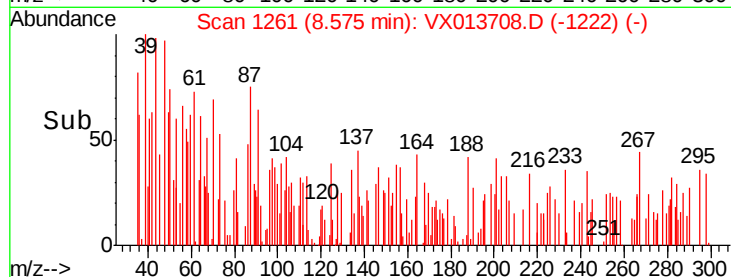
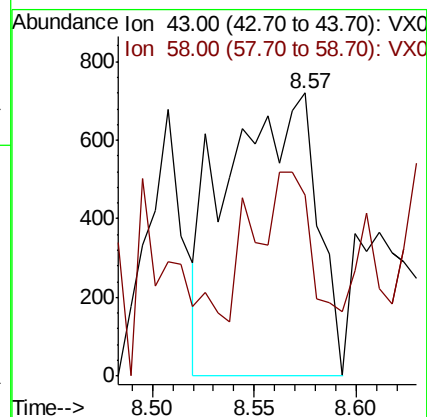
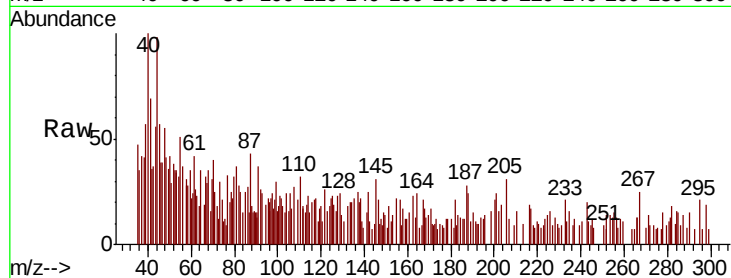
TWP-3

Tot Ion: 43 Resp: 2204

Ion Ratio Lower Upper

43 100

58 34.3 32.1 48.1



#62

4-Bromofluorobenzene

Concen: 45.031 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

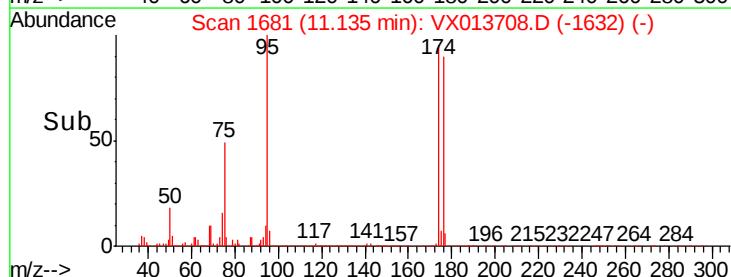
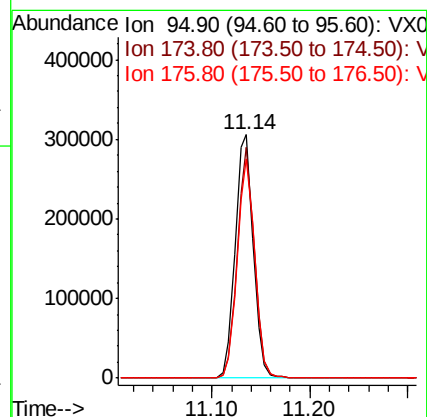
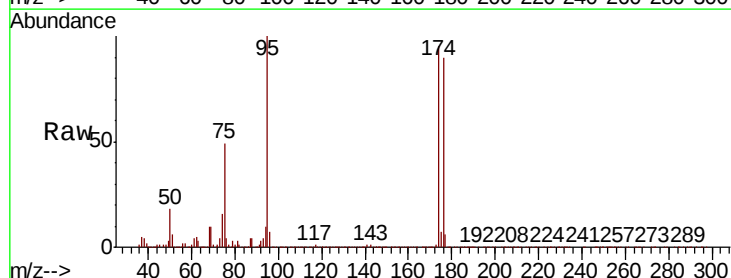
Tgt Ion: 95 Resp: 393437

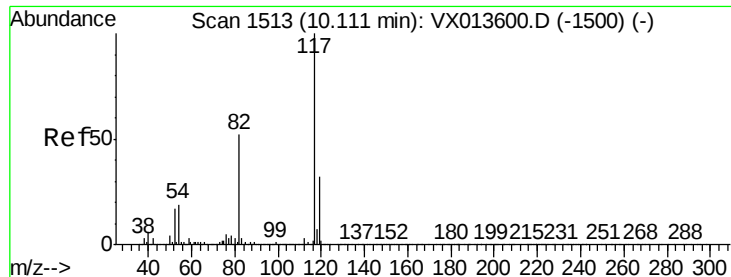
Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.0

176 86.9 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: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampled :

TWP-3

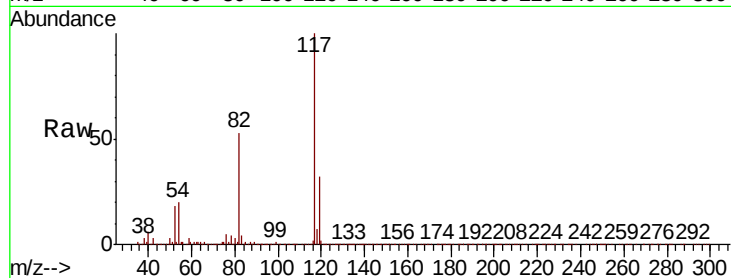
Tot Ion:117 Resp: 882732

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.8

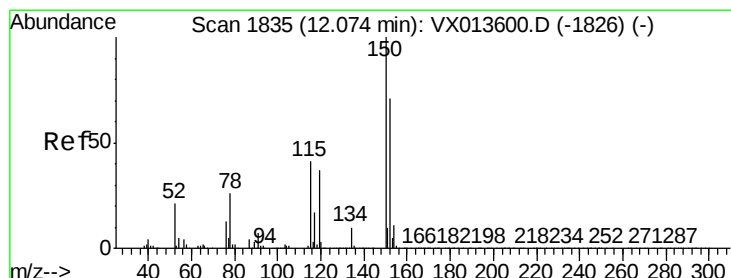
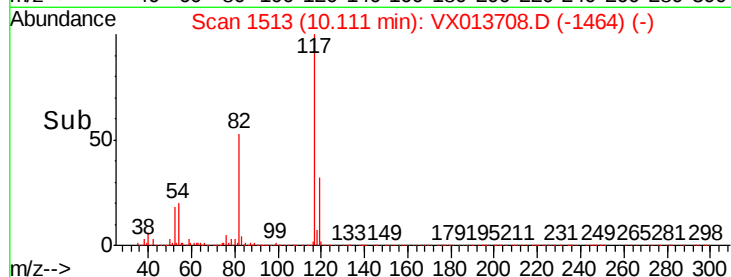
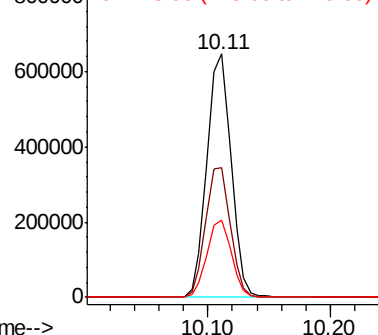
119 31.5 25.8 38.8



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: VX013708.D

Acq: 29 Nov 2019 17:56

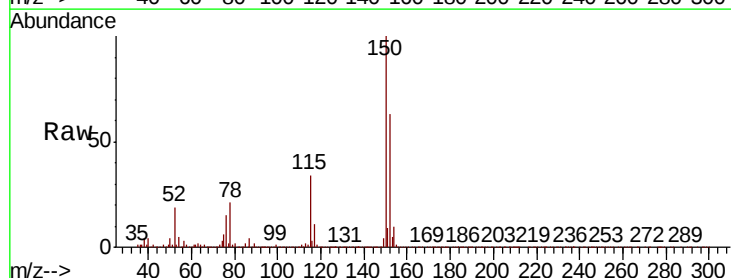
Tgt Ion:152 Resp: 394105

Ion Ratio Lower Upper

152 100

115 54.7 38.4 115.1

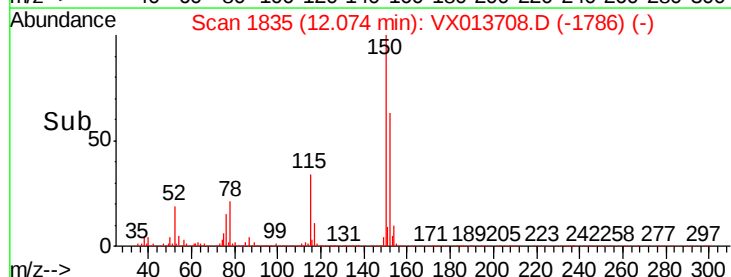
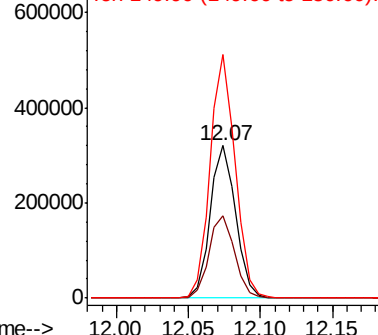
150 157.2 0.0 346.8

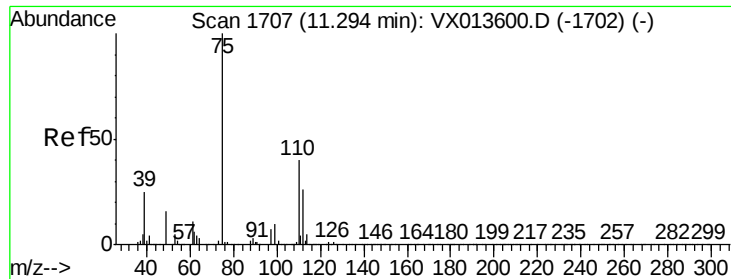


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.844 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

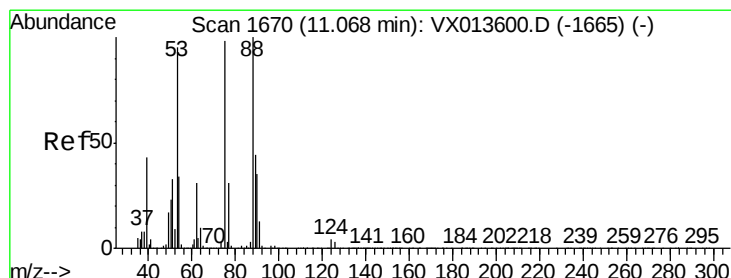
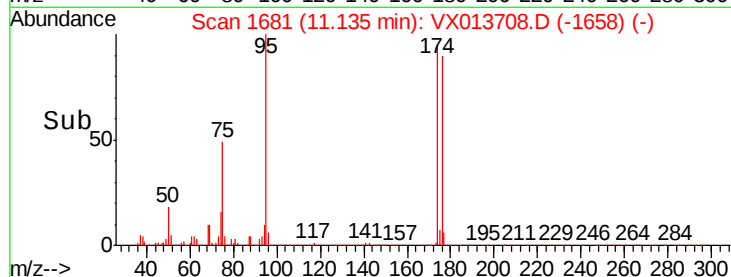
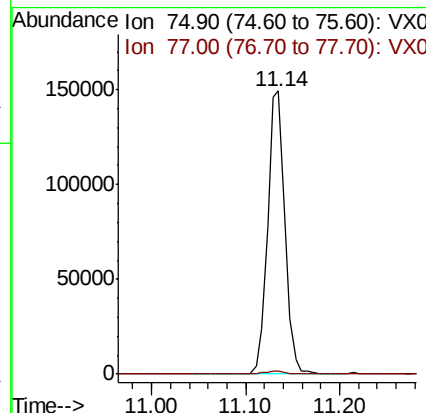
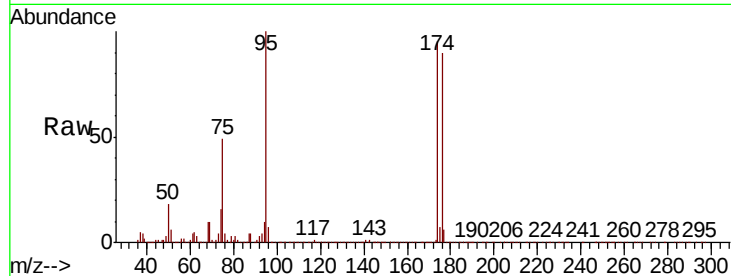
TWP-3

Tot Ion: 75 Resp: 193630

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.762 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013708.D

Acq: 29 Nov 2019 17:56

Tgt Ion: 75 Resp: 193630

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.0 35.4 53.2#

