

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\
 Data File : VX013745.D
 Acq On : 04 Dec 2019 13:28
 Operator : JC/SP
 Sample : VX1204WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBL01

Quant Time: Dec 05 00:54:07 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	716022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1082939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	449607	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	385590	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	5.48	113	325490	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	8.71	98	1265009	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	11.14	95	438544	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

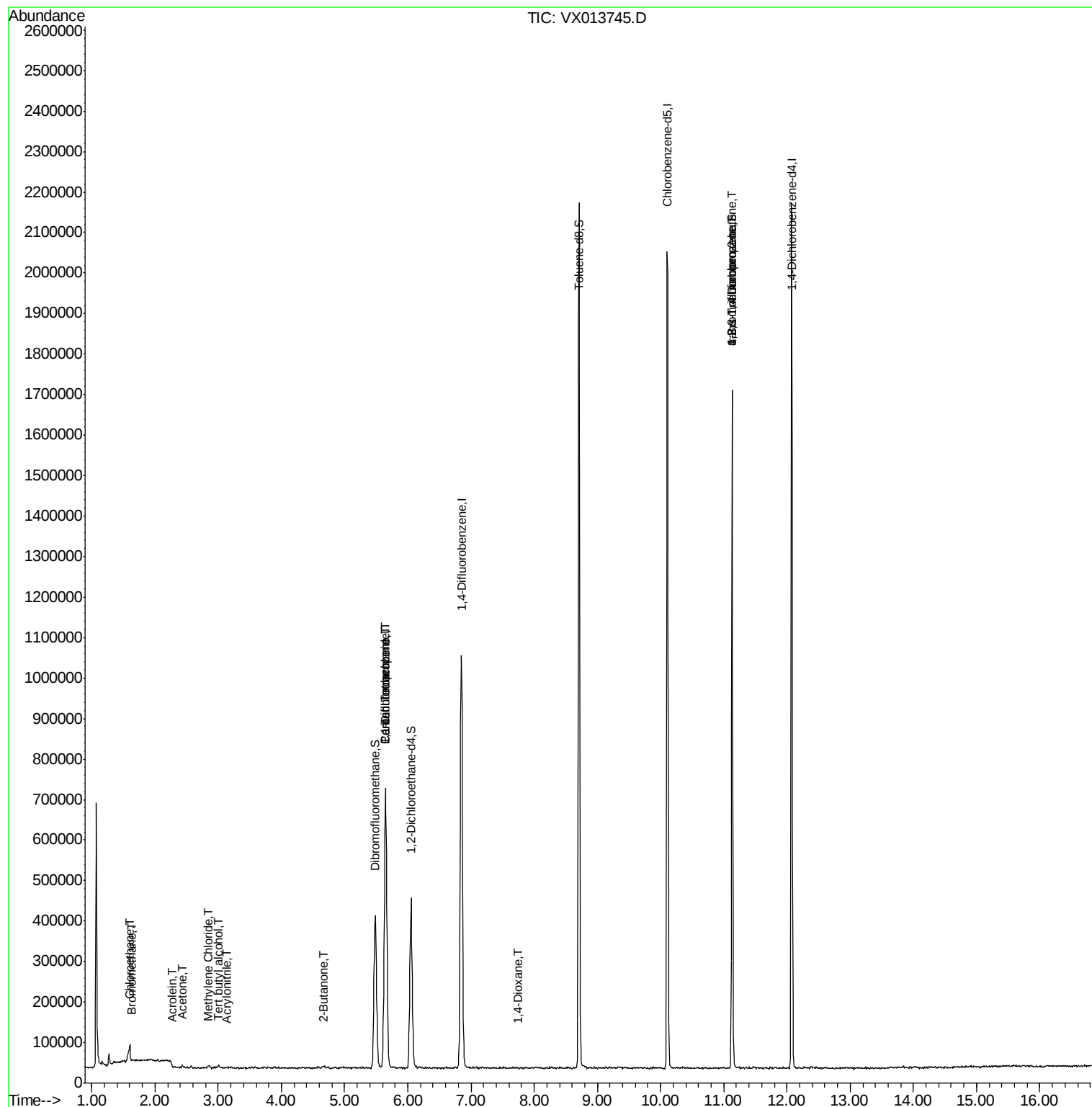
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2339	0.346	ug/l #	73
6) Chloroethane	1.61	64	1289	0.225	ug/l #	51
11) Tert butyl alcohol	3.00	59	4179	2.037	ug/l #	91
13) Acrolein	2.28	56	381	6.275	ug/l	92
15) Acrylonitrile	3.13	53	896	0.212	ug/l #	31
16) Acetone	2.43	43	9701	2.364	ug/l	92
20) Methylene Chloride	2.85	84	3536	0.449	ug/l #	71
25) 2-Butanone	4.67	43	2477	0.406	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	48978	4.982	ug/l #	52
38) Carbon Tetrachloride	5.65	117	62918	6.941	ug/l #	15
49) 1,4-Dioxane	7.75	88	533	2.699	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	213372	21.100	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	213372	57.726	ug/l #	11

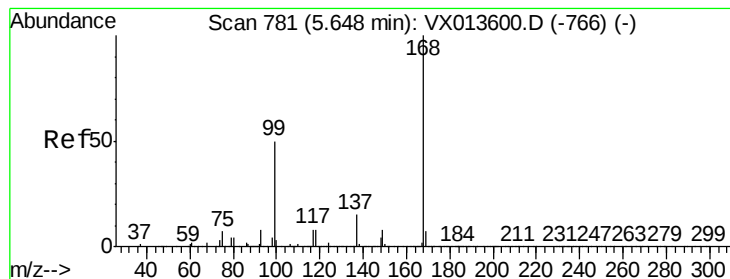
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. -0.00 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

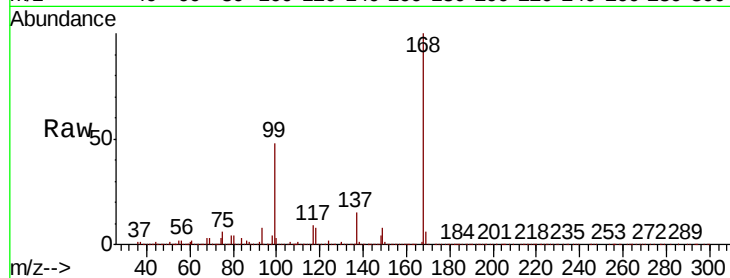
VX1204WBL01

Tot Ion:168 Resp: 716022

Ion Ratio Lower Upper

168 100

99 47.8 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

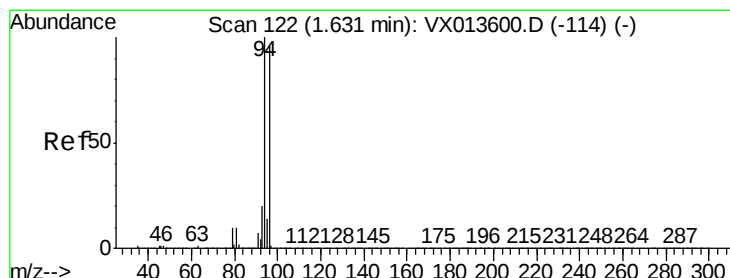
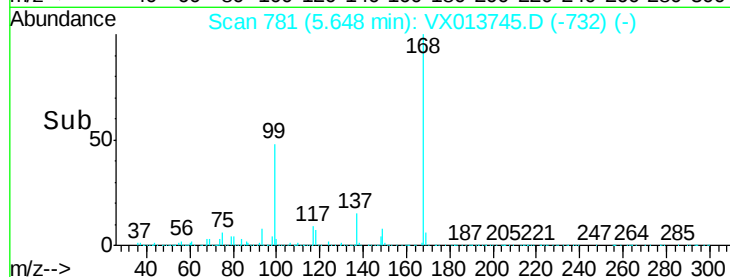
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.346 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013745.D

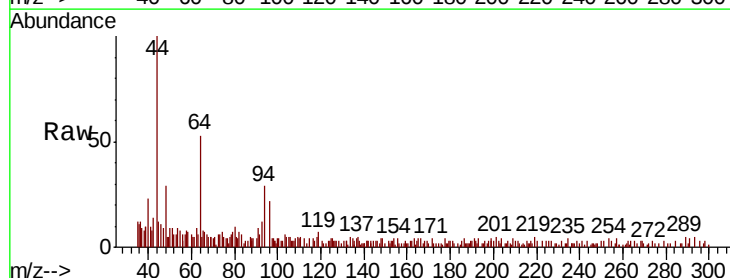
Acq: 04 Dec 2019 13:28

Tgt Ion: 94 Resp: 2339

Ion Ratio Lower Upper

94 100

96 69.7 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

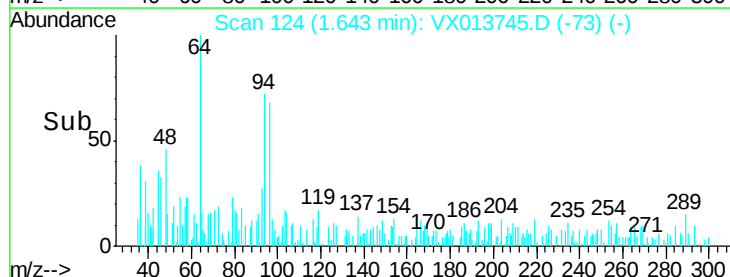
1000

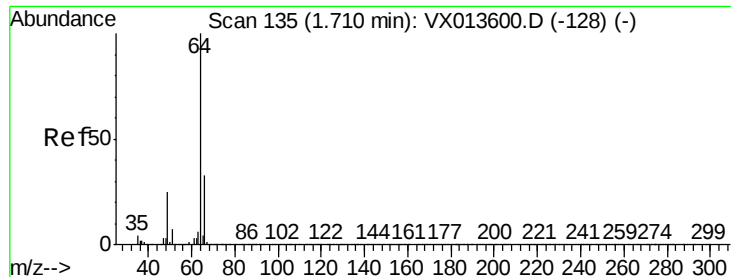
500

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.225 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.10 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

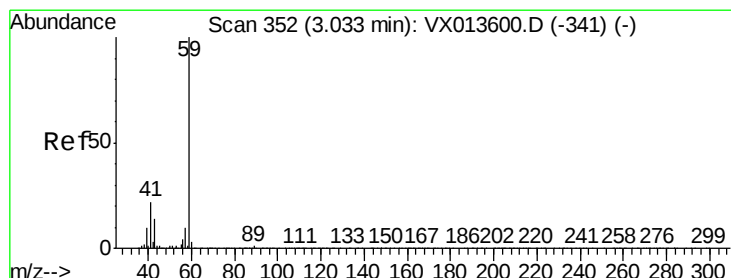
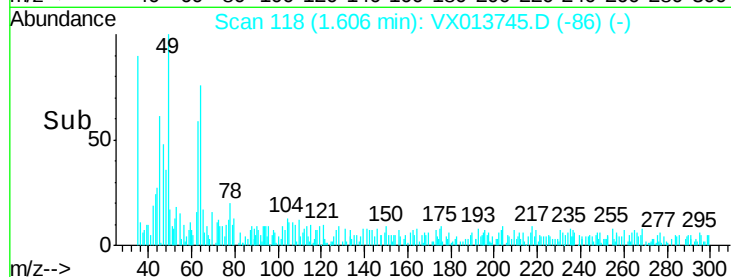
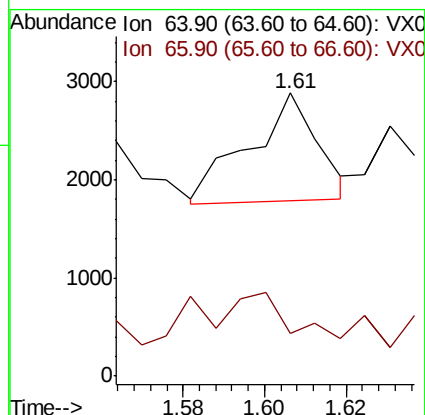
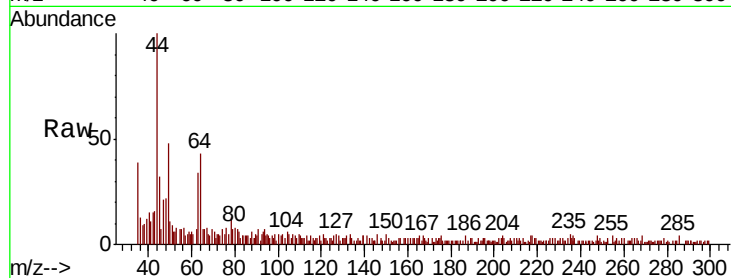
VX1204WBL01

Tot Ion: 64 Resp: 1289

Ion Ratio Lower Upper

64 100

66 5.4 26.7 40.1#



#11

Tert butyl alcohol

Concen: 2.037 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.03 min

Lab File: VX013745.D

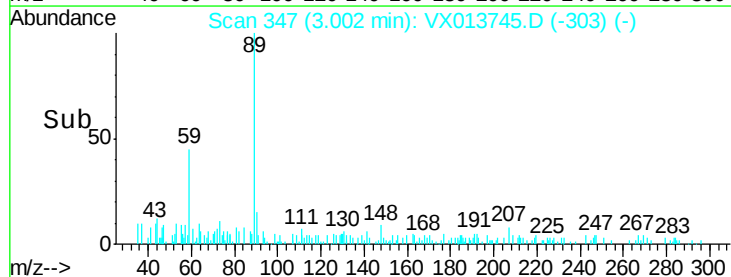
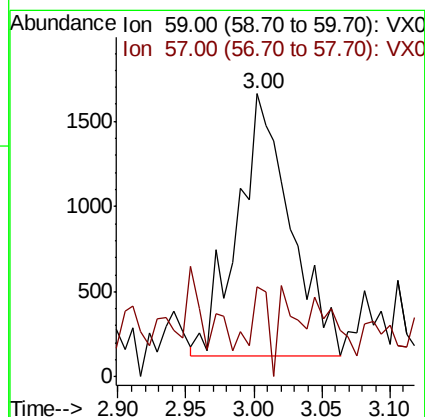
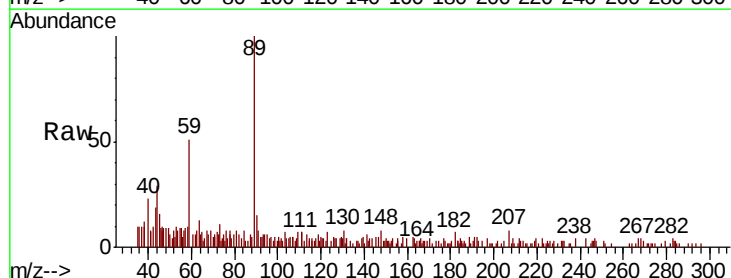
Acq: 04 Dec 2019 13:28

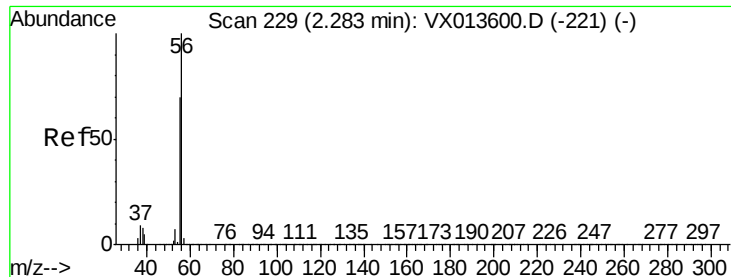
Tgt Ion: 59 Resp: 4179

Ion Ratio Lower Upper

59 100

57 13.0 7.8 11.6#





#13

Acrolein

Concen: 6.275 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

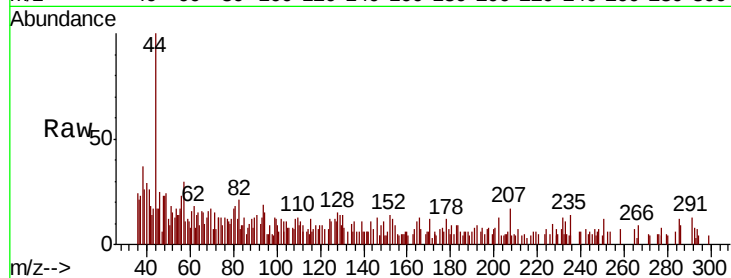
VX1204WBL01

Tot Ion: 56 Resp: 381

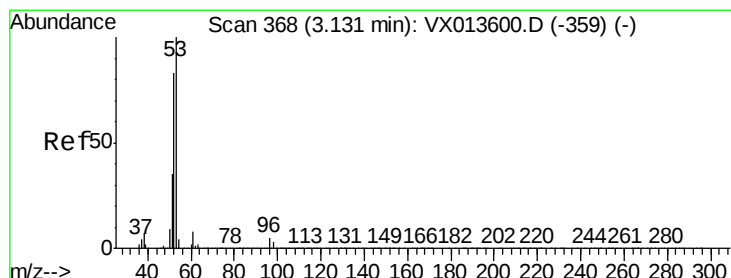
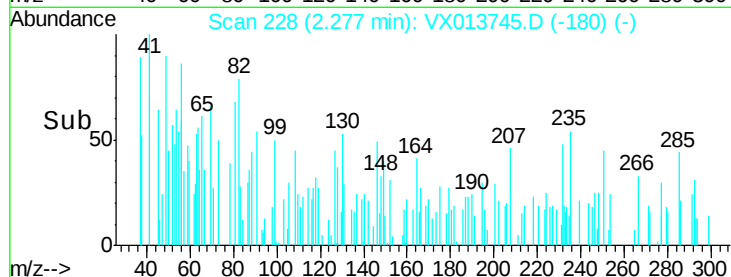
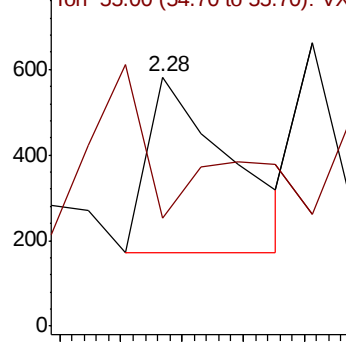
Ion Ratio Lower Upper

56 100

55 77.2 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0



#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

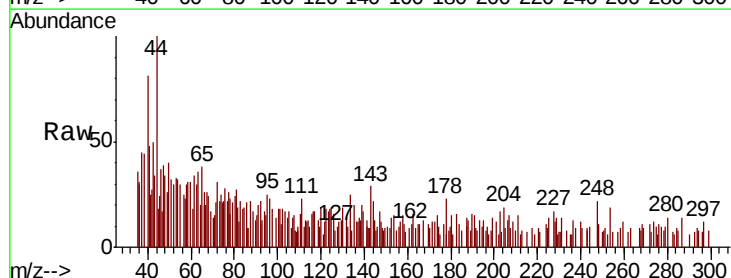
Tgt Ion: 53 Resp: 896

Ion Ratio Lower Upper

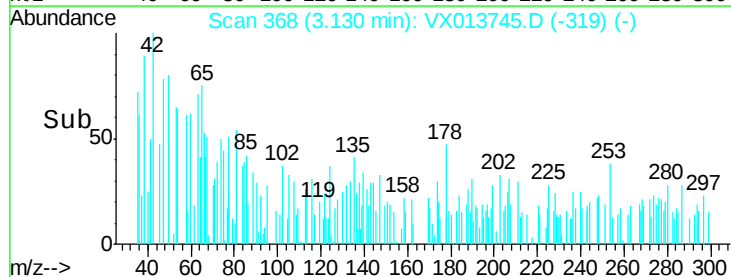
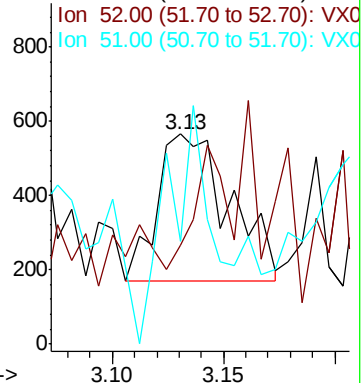
53 100

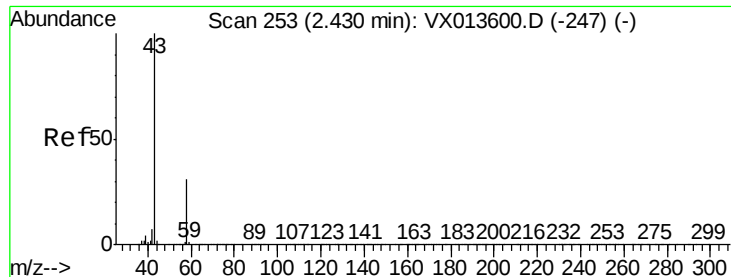
52 35.2 66.2 99.2#

51 98.9 29.0 43.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0





#16

Acetone

Concen: 2.364 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

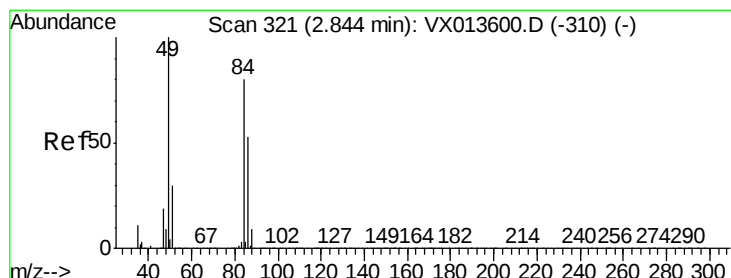
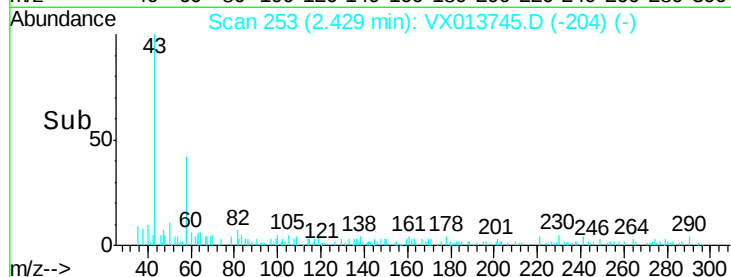
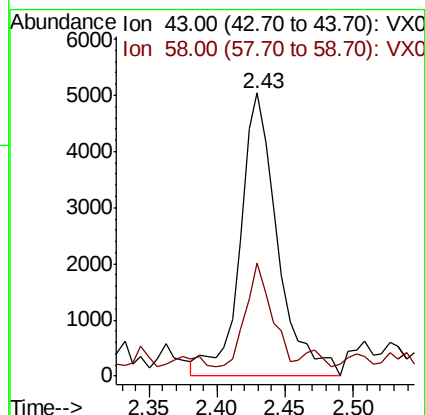
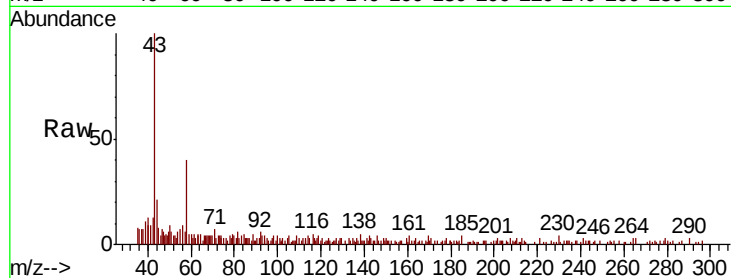
VX1204WBL01

Tot Ion: 43 Resp: 9701

Ion Ratio Lower Upper

43 100

58 35.3 24.6 36.8



#20

Methylene Chloride

Concen: 0.449 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Tgt Ion: 84 Resp: 3536

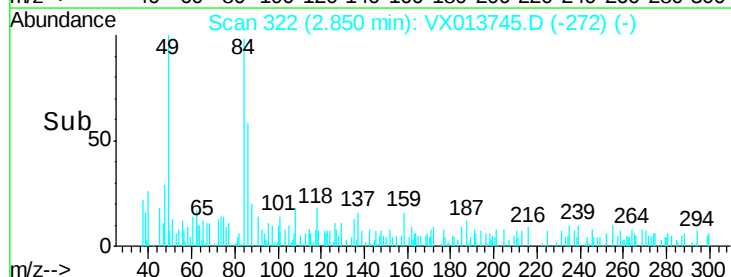
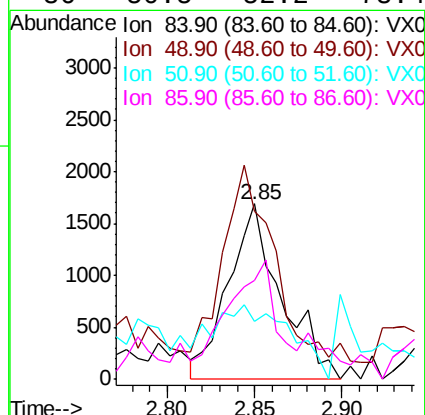
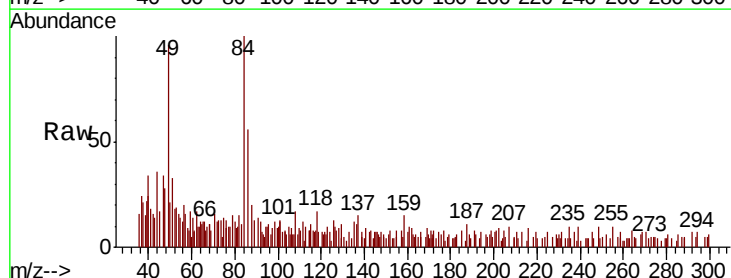
Ion Ratio Lower Upper

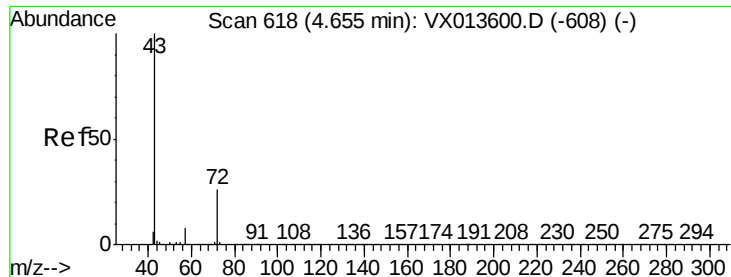
84 100

49 88.3 99.7 149.5#

51 16.9 29.9 44.9#

86 50.5 52.2 78.4#





#25

2-Butanone

Concen: 0.406 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampled :

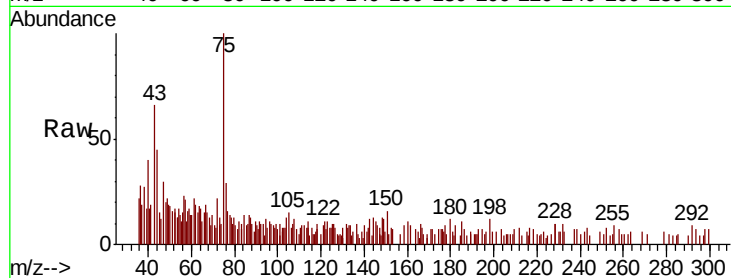
VX1204WBL01

Tot Ion: 43 Resp: 2477

Ion Ratio Lower Upper

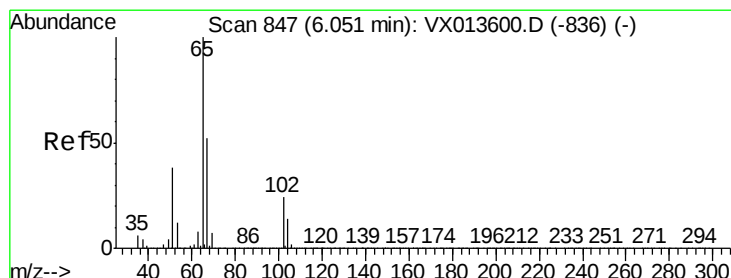
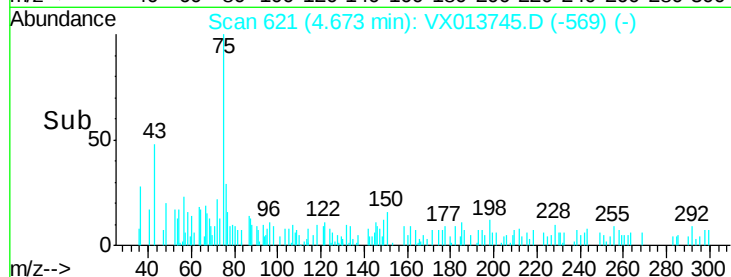
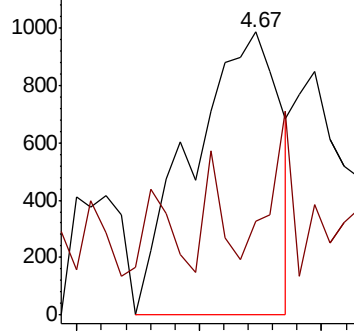
43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.393 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013745.D

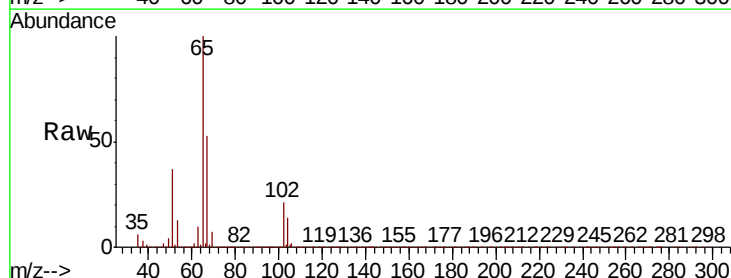
Acq: 04 Dec 2019 13:28

Tgt Ion: 65 Resp: 385590

Ion Ratio Lower Upper

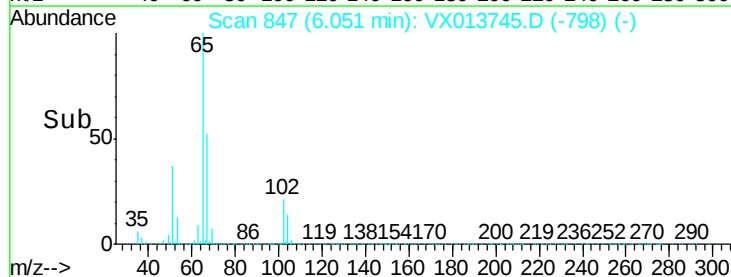
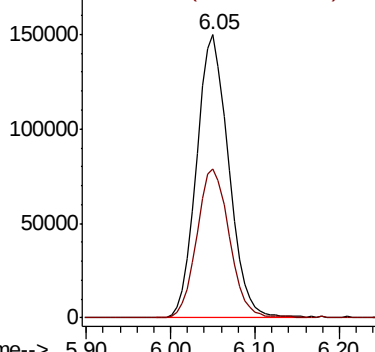
65 100

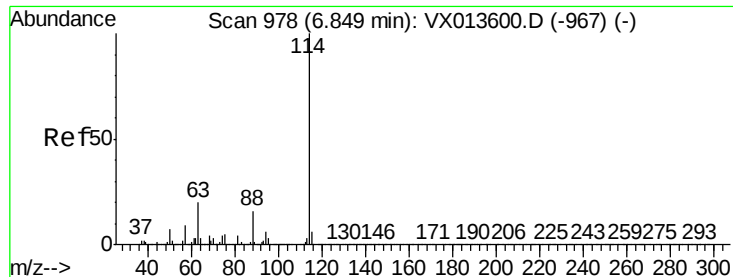
67 53.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

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VX1204WBL01

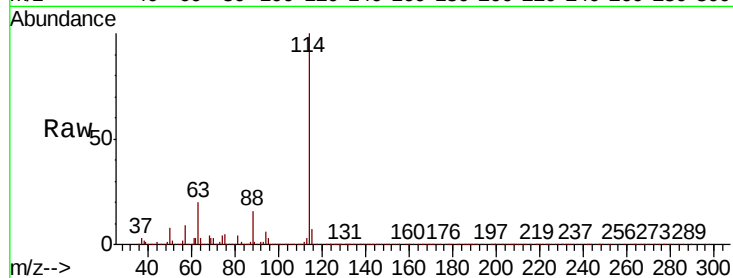
Tot Ion:114 Resp: 1082939

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

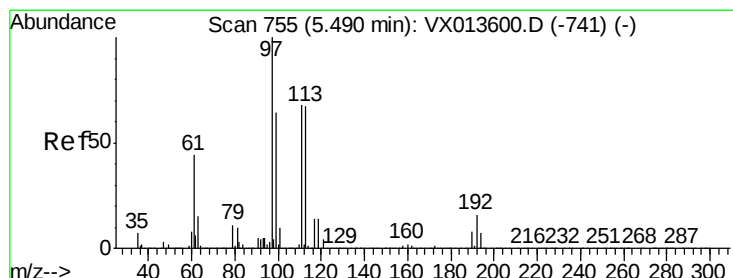
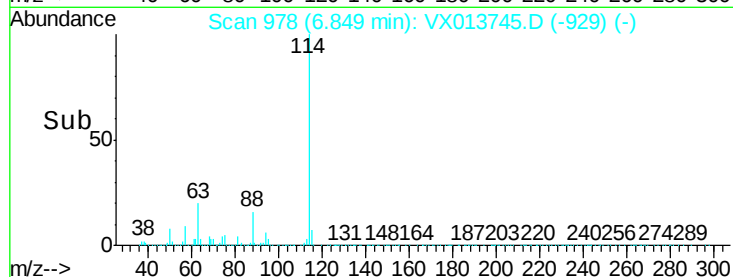
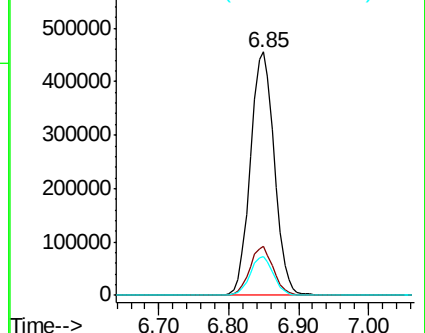
88 15.9 0.0 31.4



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: 48.618 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

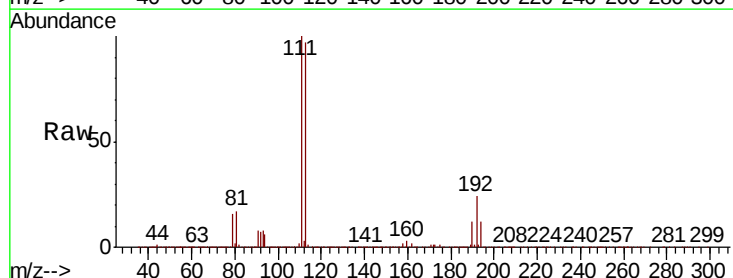
Tgt Ion:113 Resp: 325490

Ion Ratio Lower Upper

113 100

111 102.4 83.6 125.4

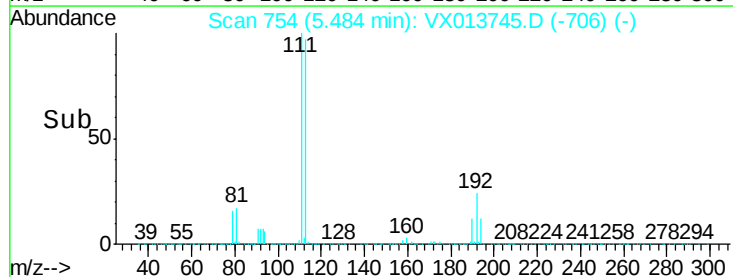
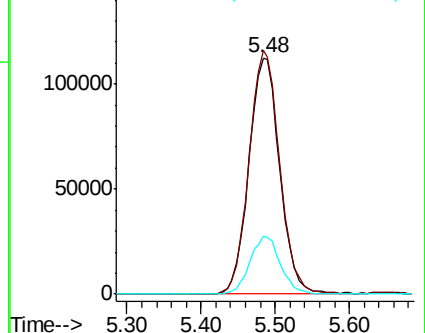
192 24.4 19.2 28.8

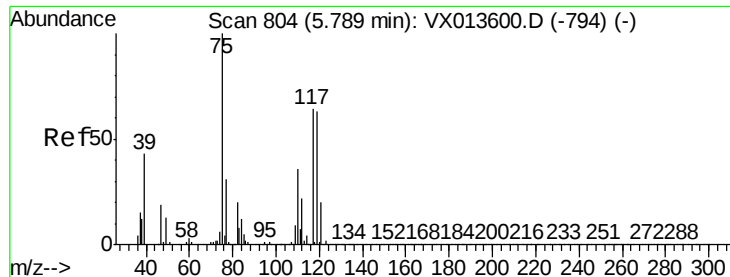


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

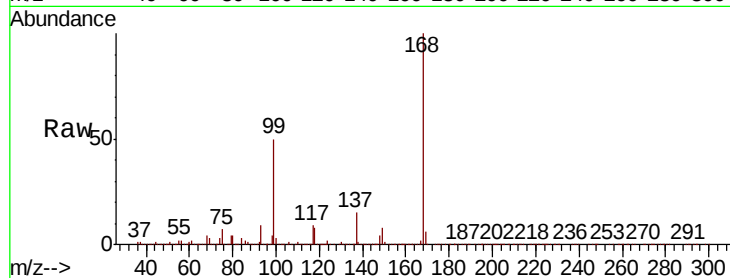
Tot Ion: 75 Resp: 48978

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

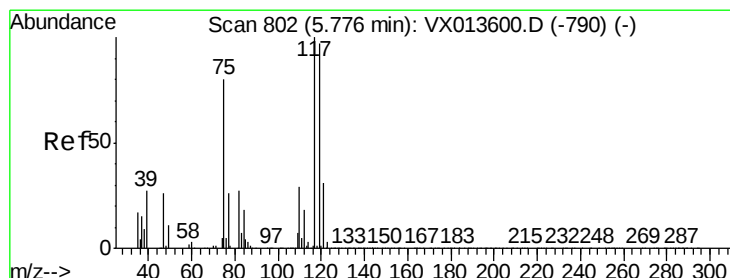
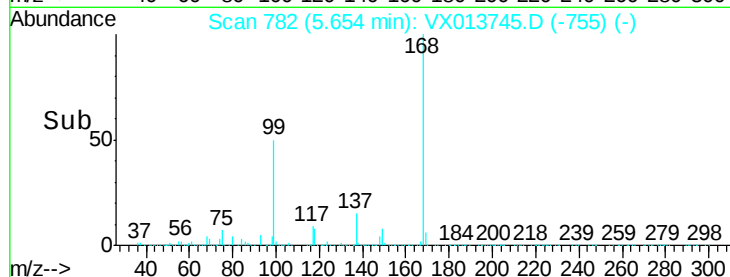
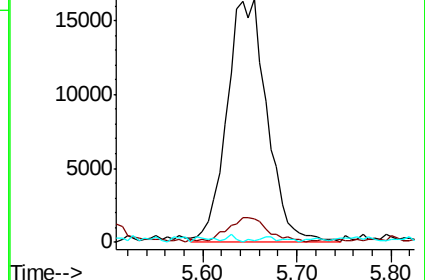
77 1.5 24.5 36.7#



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: 6.941 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

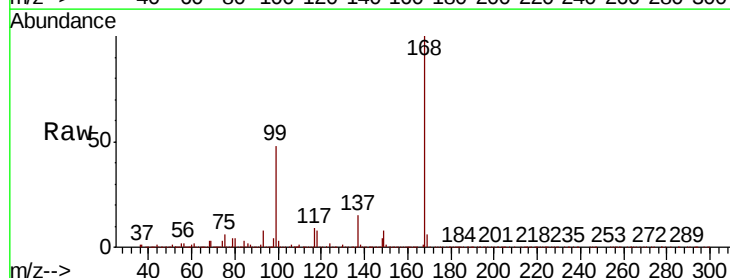
Tgt Ion: 117 Resp: 62918

Ion Ratio Lower Upper

117 100

119 4.3 77.5 116.3#

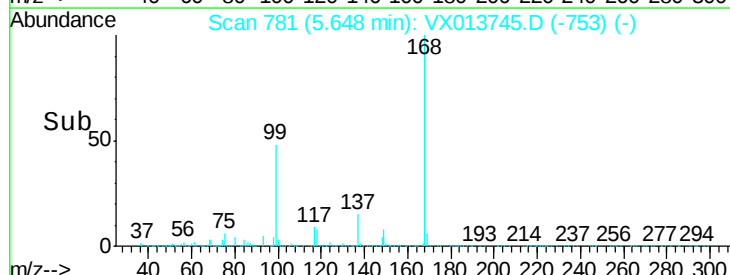
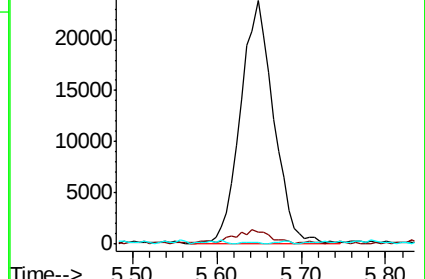
121 0.4 25.0 37.6#

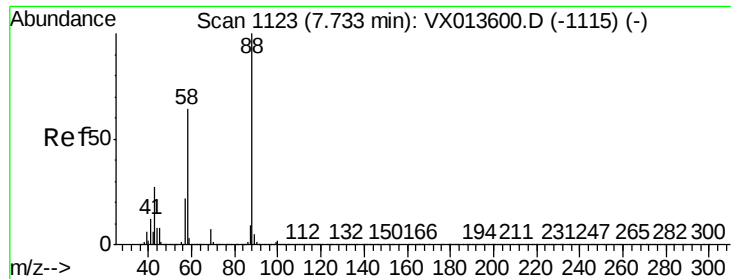


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.699 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

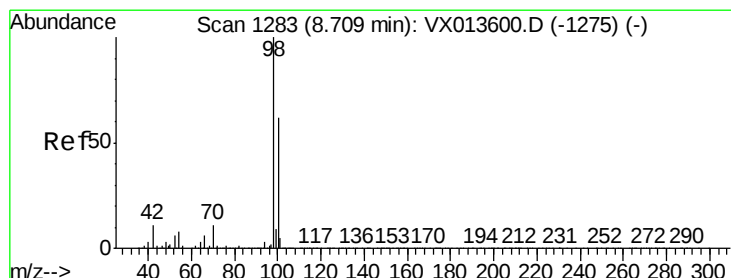
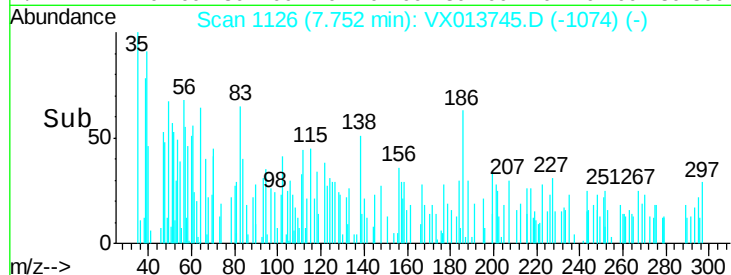
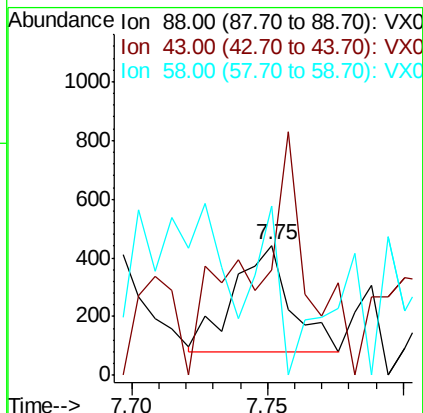
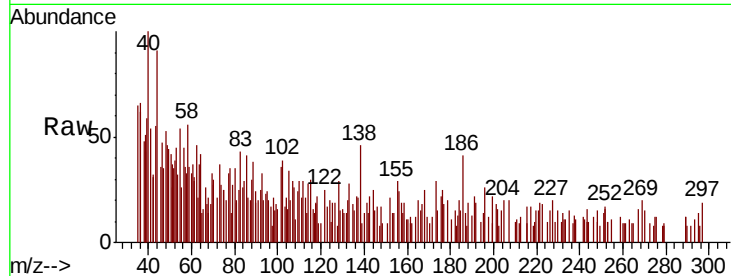
Tot Ion: 88 Resp: 533

Ion Ratio Lower Upper

88 100

43 229.6 25.8 38.6#

58 52.3 54.6 82.0#



#50

Toluene-d8

Concen: 48.498 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013745.D

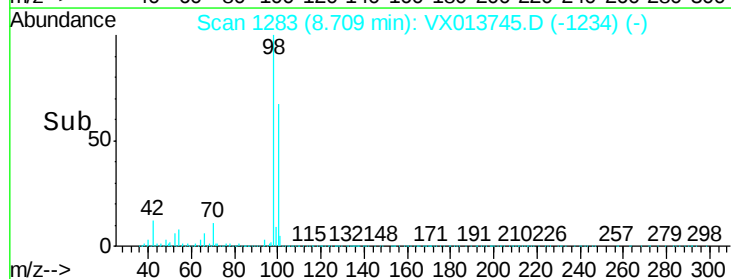
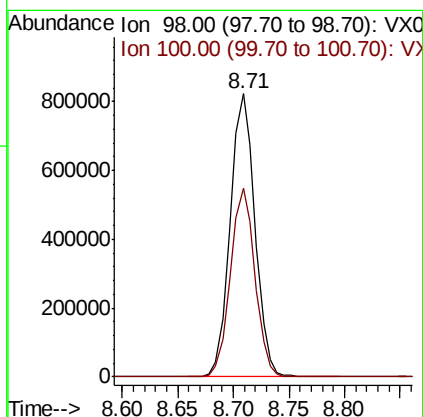
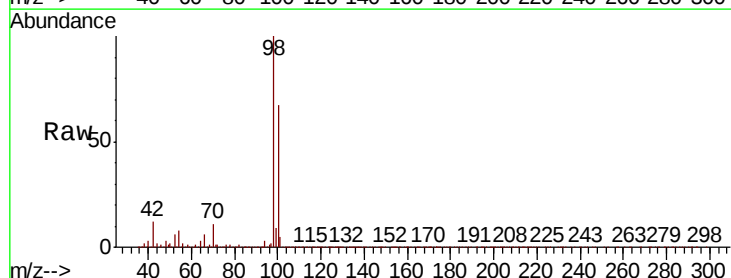
Acq: 04 Dec 2019 13:28

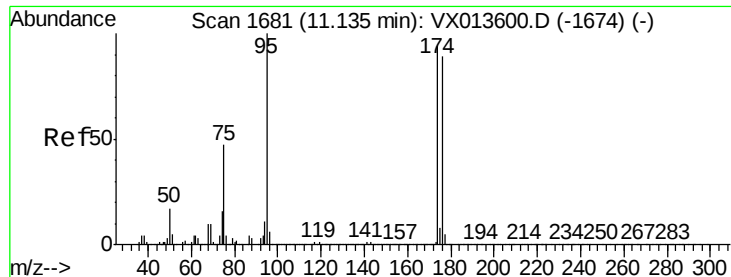
Tgt Ion: 98 Resp: 1265009

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 46.624 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

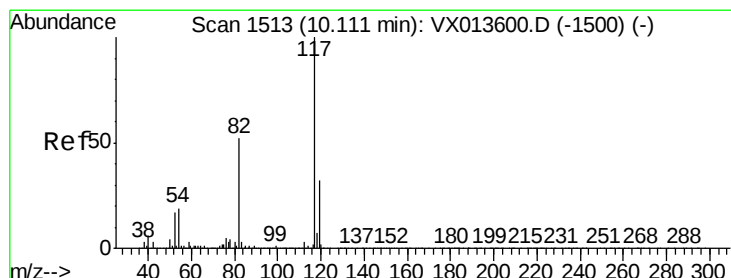
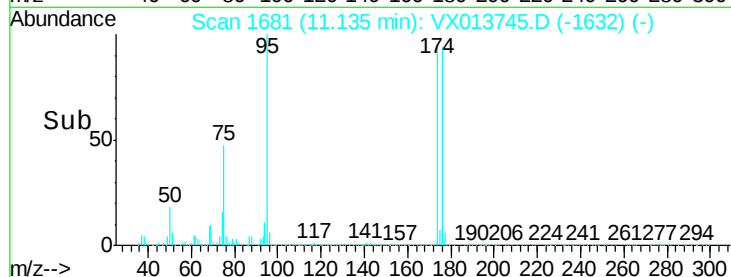
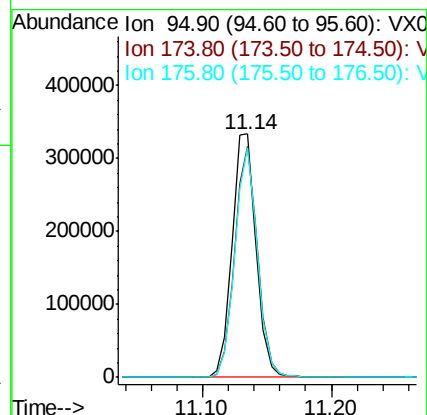
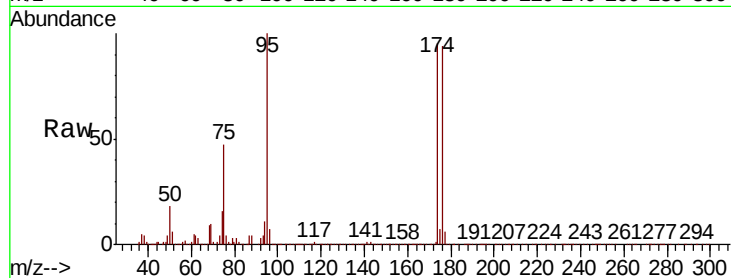
Tot Ion: 95 Resp: 438544

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

176 88.4 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: VX013745.D

Acq: 04 Dec 2019 13:28

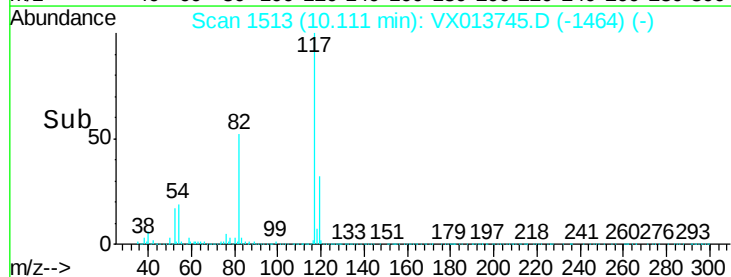
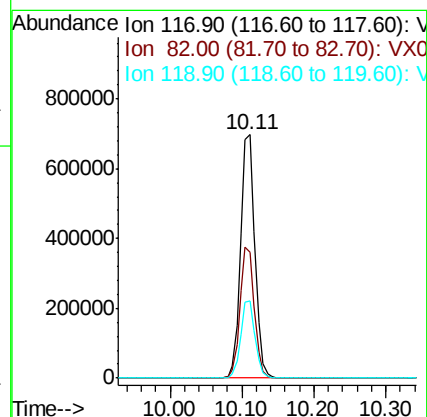
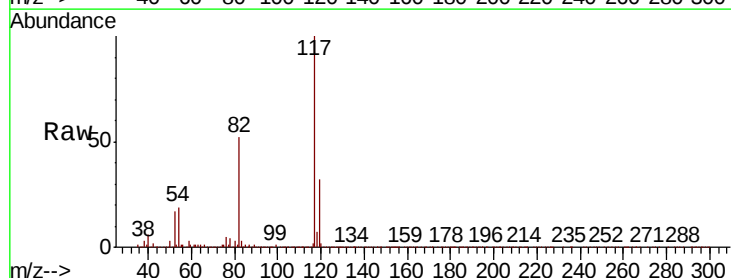
Tgt Ion: 117 Resp: 965249

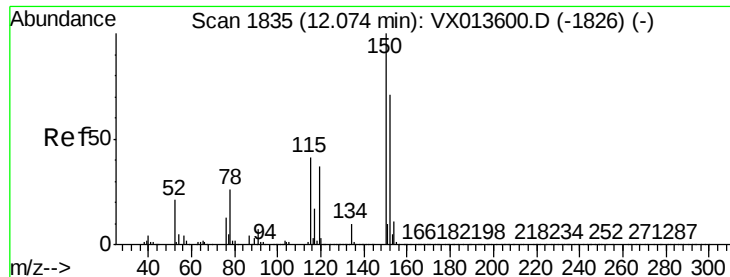
Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

119 31.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013745.D

Acq: 04 Dec 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

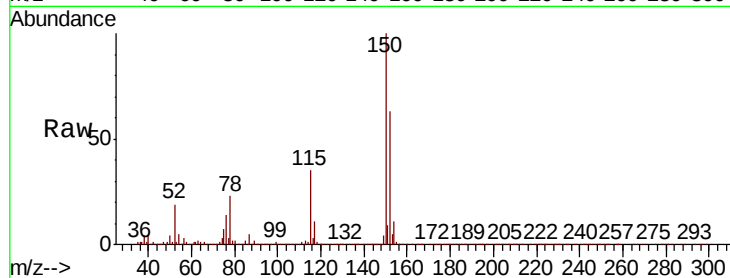
Tot Ion:152 Resp: 449607

Ion Ratio Lower Upper

152 100

115 54.5 38.4 115.1

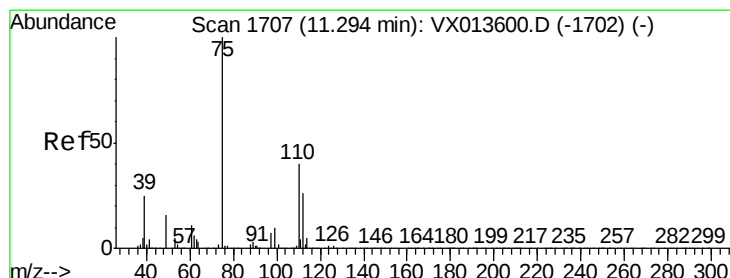
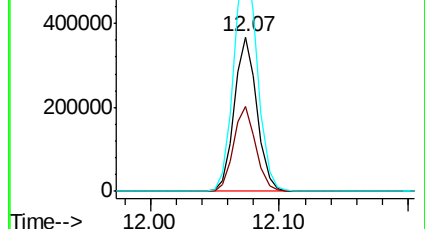
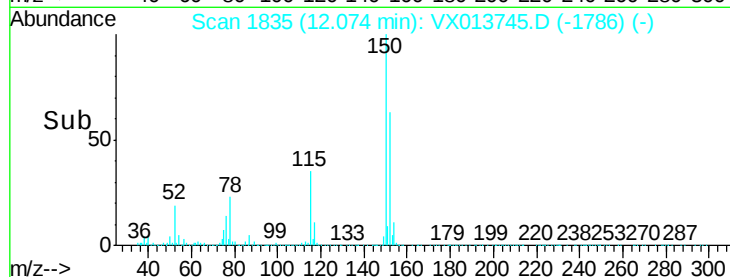
150 156.6 0.0 346.8



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: 21.100 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013745.D

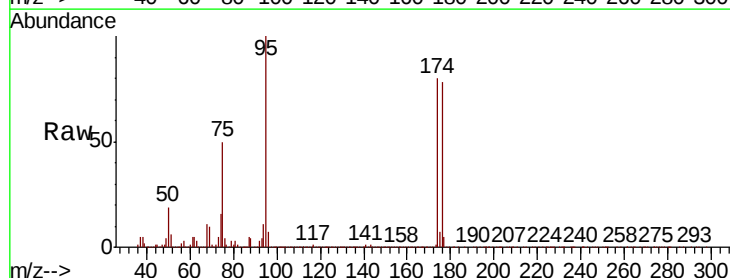
Acq: 04 Dec 2019 13:28

Tgt Ion: 75 Resp: 213372

Ion Ratio Lower Upper

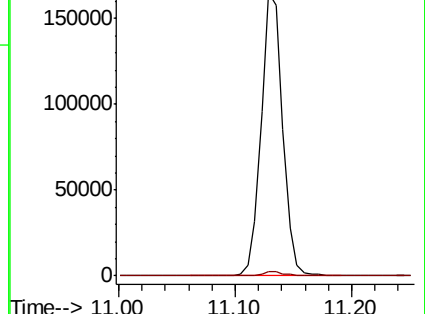
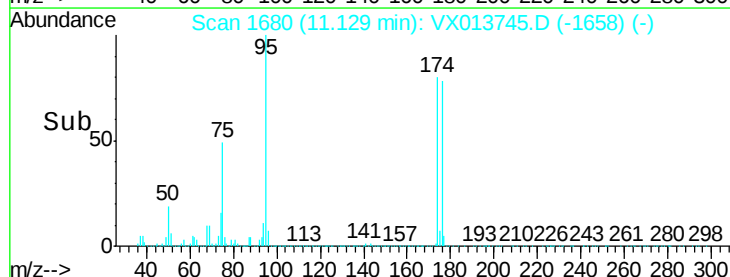
75 100

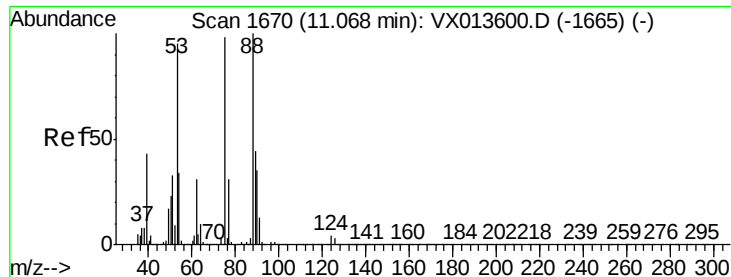
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

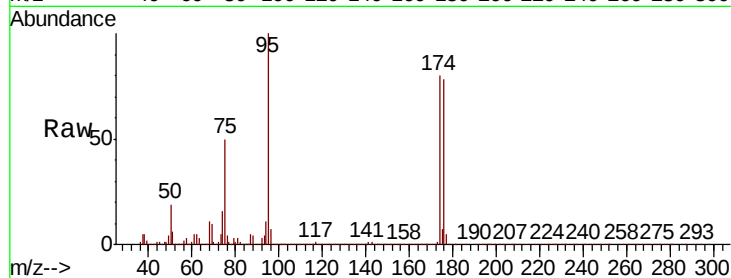




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.726 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013745.D
 Acq: 04 Dec 2019 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBL01

Tot Ion: 75 Resp: 213372
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.2#
 89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 53.00 (52.70 to 53.70): VX0
 Ion 88.90 (88.60 to 89.60): VX0

