

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013651.D
 Acq On : 27 Nov 2019 14:37
 Operator : JC/SP
 Sample : K5962-10DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 00:29:26 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	660453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1047285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	936717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	415099	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	381284	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	5.49	113	315687	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	1247573	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.14	95	418615	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	

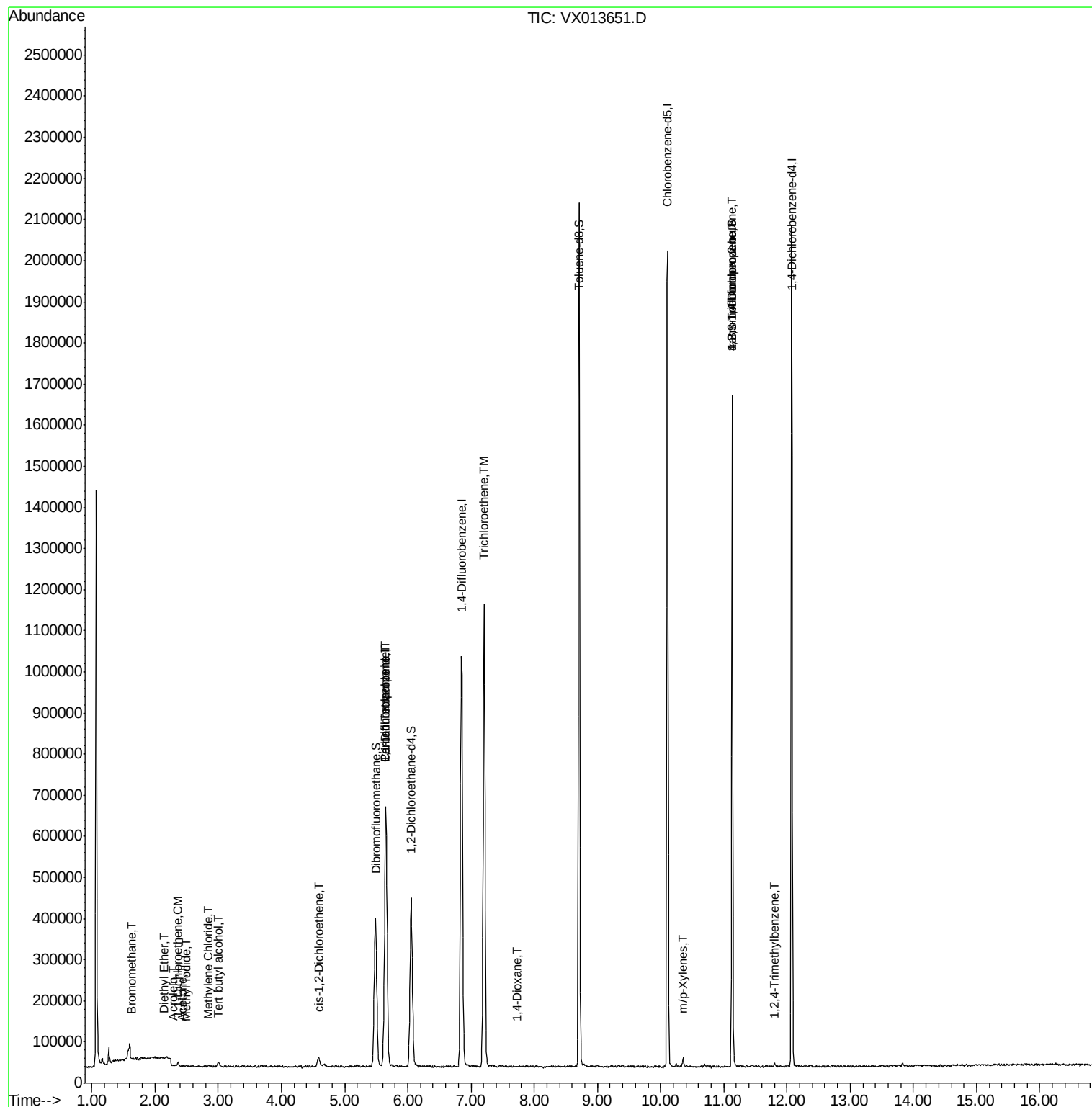
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1440	0.231	ug/l #	52
8) Diethyl Ether	2.14	74	1104	0.237	ug/l	91
10) Methyl Iodide	2.50	142	1610	0.211	ug/l #	80
11) Tert butyl alcohol	3.00	59	7687	4.062	ug/l #	83
12) 1,1-Dichloroethene	2.37	96	3500	0.557	ug/l	94
13) Acrolein	2.28	56	672	6.522	ug/l #	15
16) Acetone	2.43	43	3163	0.836	ug/l #	75
20) Methylene Chloride	2.84	84	1840	0.253	ug/l #	64
27) cis-1,2-Dichloroethene	4.58	96	15000	1.908	ug/l	88
36) 1,1-Dichloropropene	5.65	75	42854	4.508	ug/l #	51
38) Carbon Tetrachloride	5.65	117	57850	6.599	ug/l #	15
44) Trichloroethene	7.21	130	451907	56.869	ug/l	96
49) 1,4-Dioxane	7.73	88	362	1.896	ug/l #	73
68) m/p-Xylenes	10.35	106	6626	0.518	ug/l	82
76) 1,2,3-Trichloropropane	11.13	75	204989	21.956	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	204989	60.068	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	5568	0.230	ug/l	97

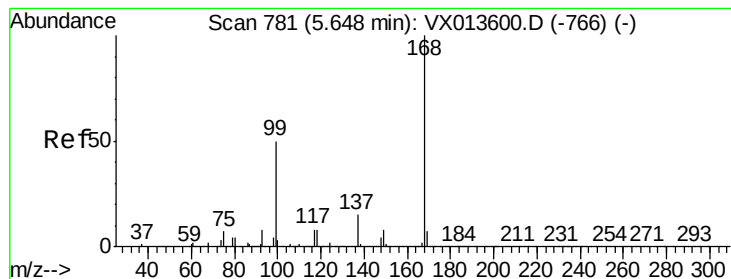
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 26 15:53:00 2019
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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: VX013651.D

Acq: 27 Nov 2019 14:37

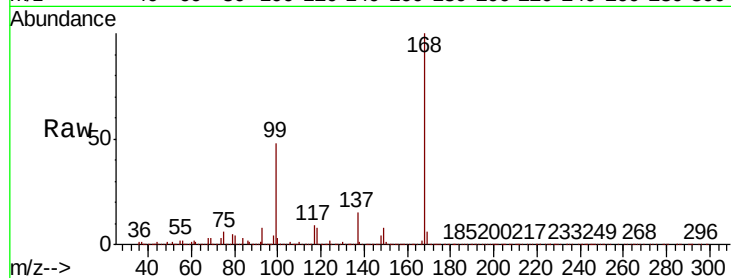
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 660453

Ion Ratio Lower Upper

168 100

99 48.2 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

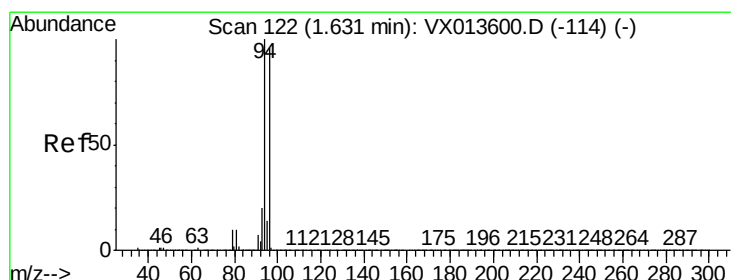
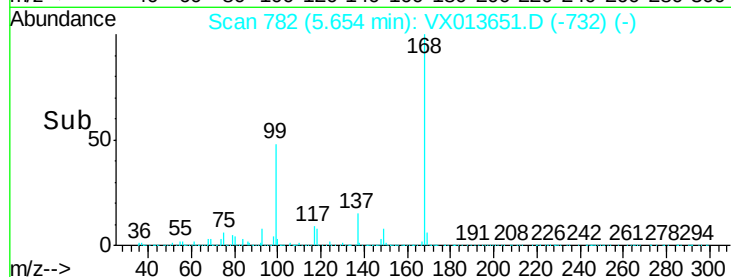
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.231 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013651.D

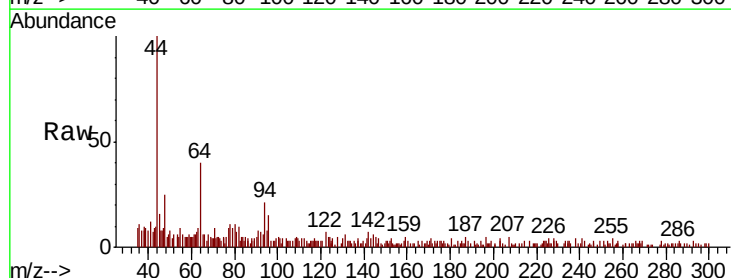
Acq: 27 Nov 2019 14:37

Tgt Ion: 94 Resp: 1440

Ion Ratio Lower Upper

94 100

96 49.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

600

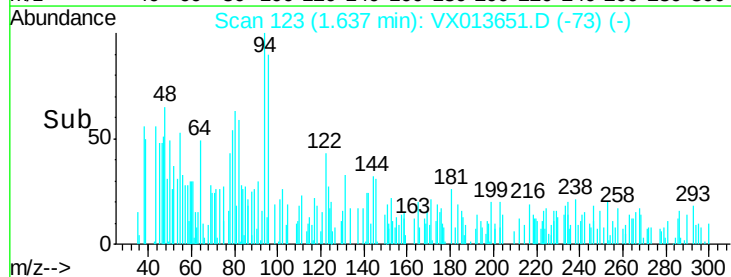
400

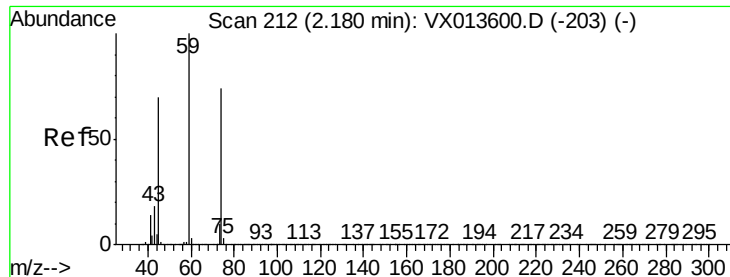
200

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 0.237 ug/l

RT: 2.14 min Scan# 206

Delta R.T. -0.04 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

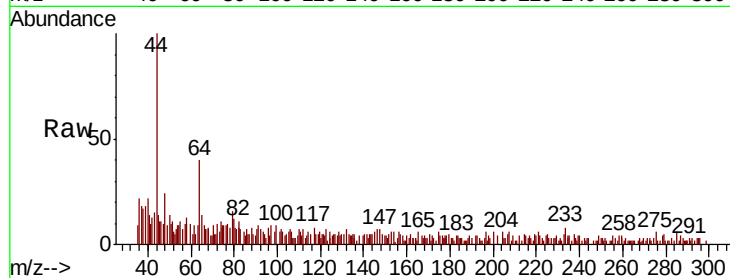
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 74 Resp: 1104

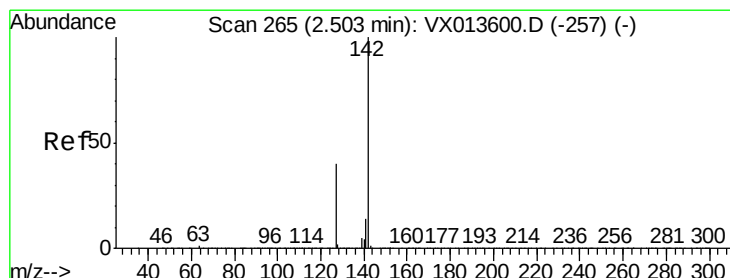
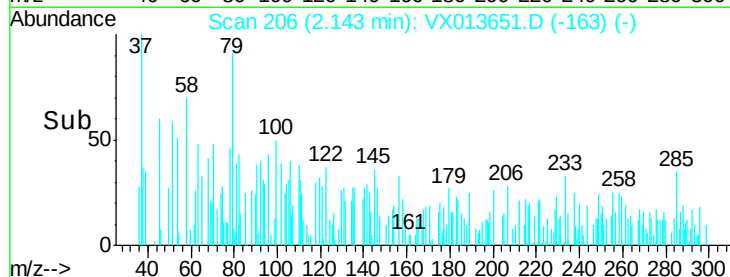
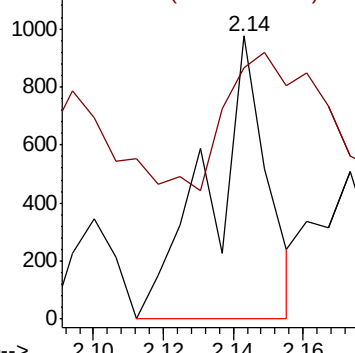
Ion Ratio Lower Upper

74 100

45 107.1 48.9 146.8



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.211 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

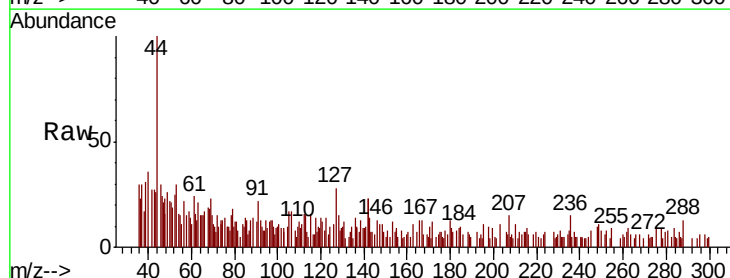
Tgt Ion: 142 Resp: 1610

Ion Ratio Lower Upper

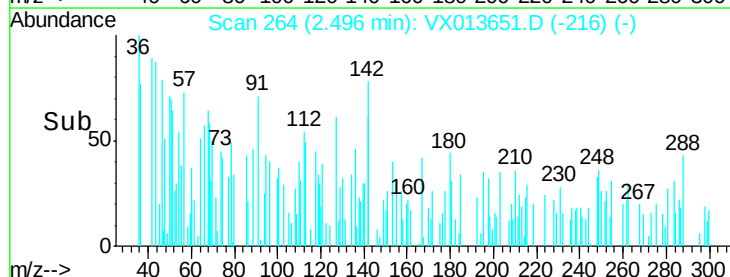
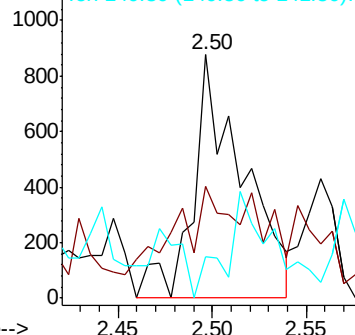
142 100

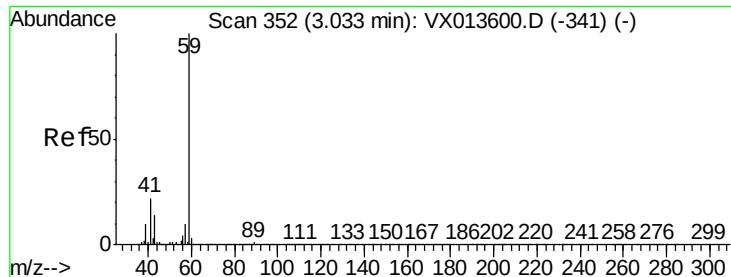
127 37.4 31.0 46.4

141 42.4 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

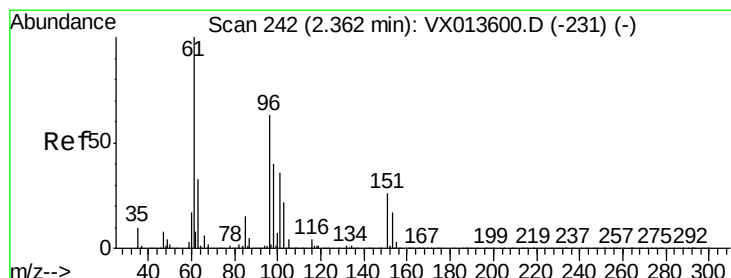
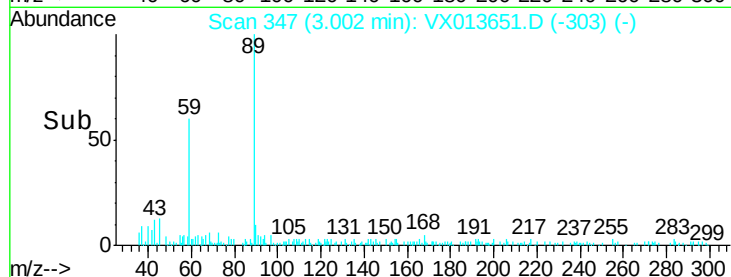
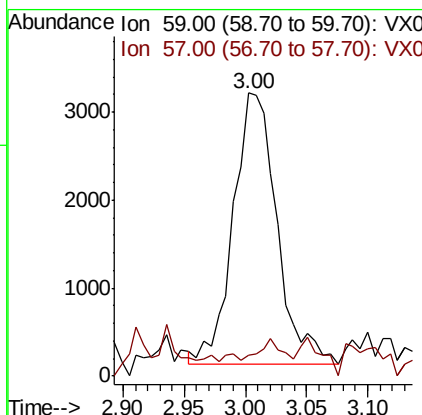
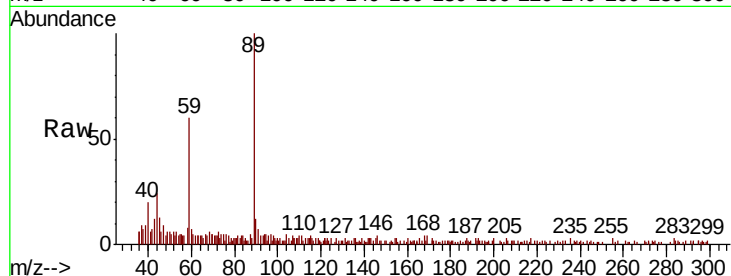




#11
Tert butyl alcohol
Concen: 4.062 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013651.D
Acq: 27 Nov 2019 14:37

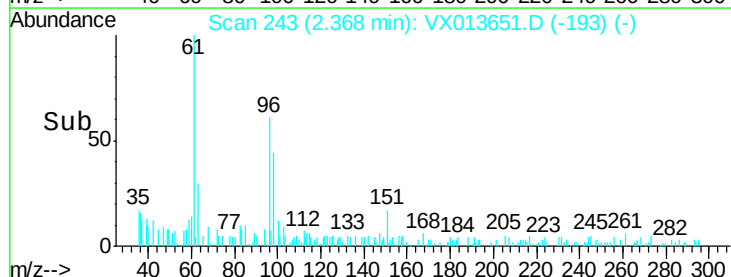
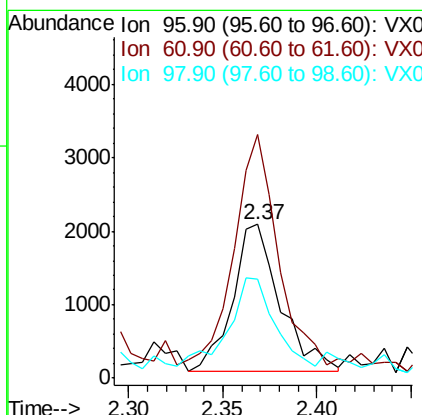
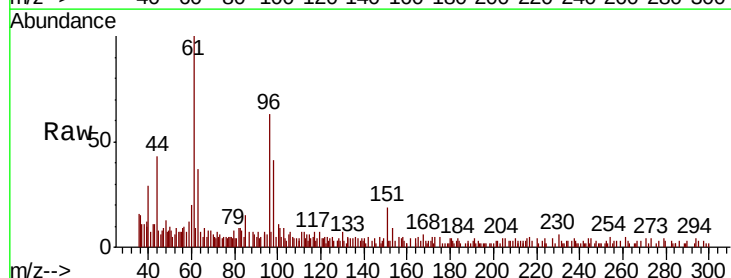
Instrument :
MSVOA_X
ClientSampleId :

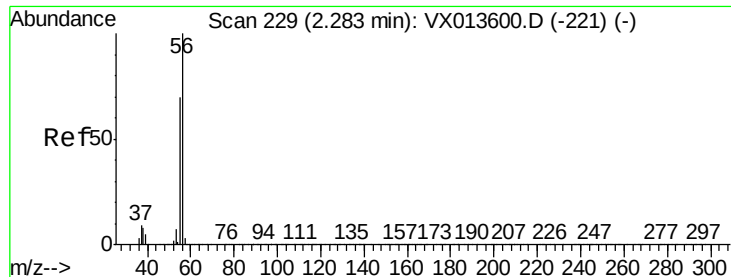
Tot Ion: 59 Resp: 7687
Ion Ratio Lower Upper
59 100
57 3.5 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 0.557 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013651.D
Acq: 27 Nov 2019 14:37

Tgt Ion: 96 Resp: 3500
Ion Ratio Lower Upper
96 100
61 153.0 126.6 190.0
98 54.4 50.6 76.0





#13

Acrolein

Concen: 6.522 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

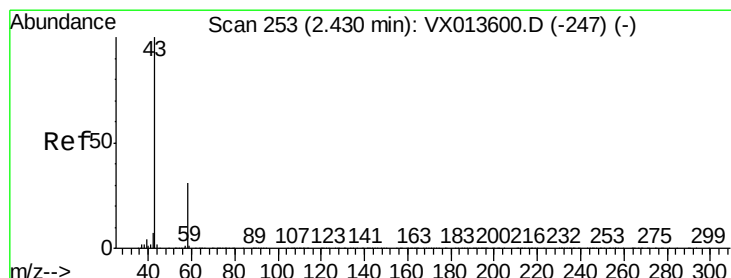
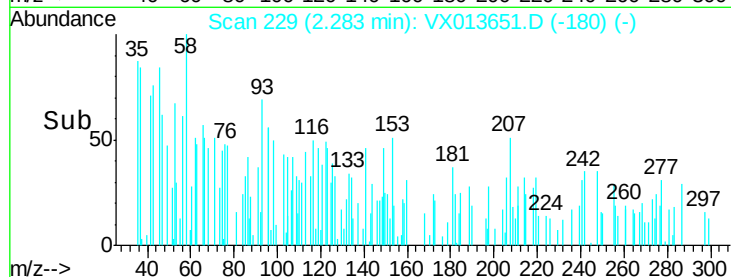
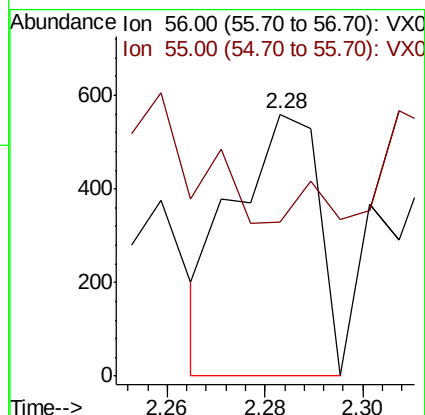
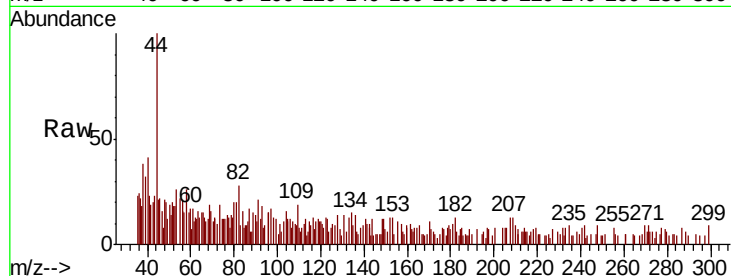
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 672

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 0.836 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013651.D

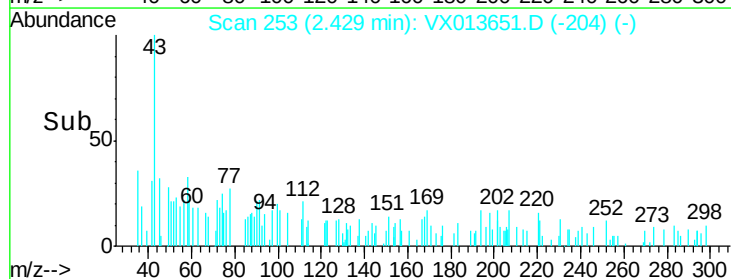
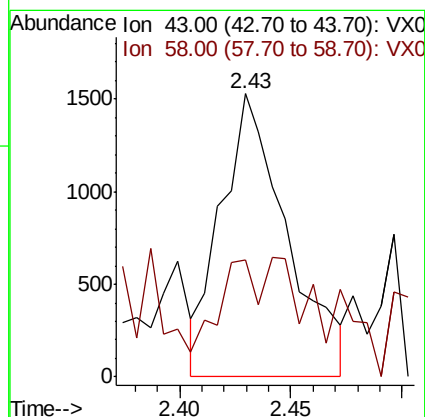
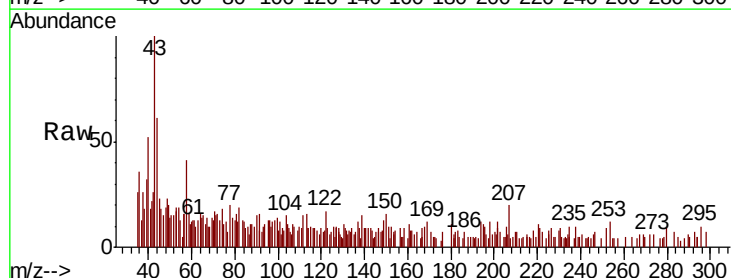
Acq: 27 Nov 2019 14:37

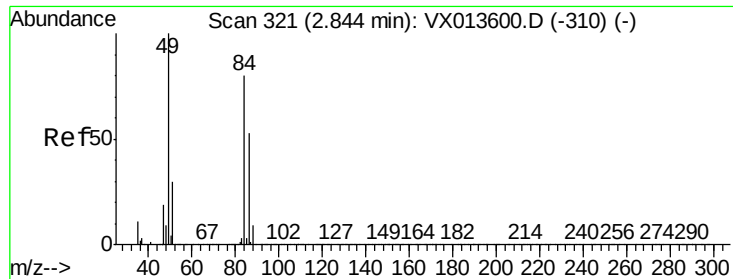
Tgt Ion: 43 Resp: 3163

Ion Ratio Lower Upper

43 100

58 44.5 24.6 36.8#

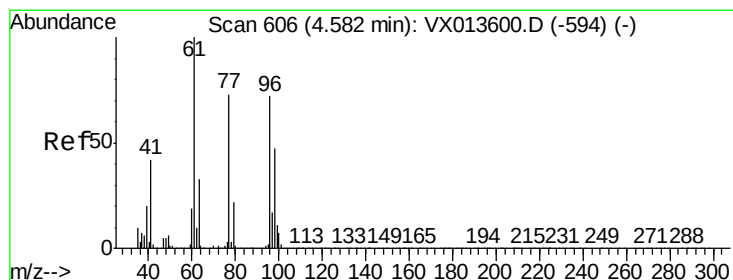
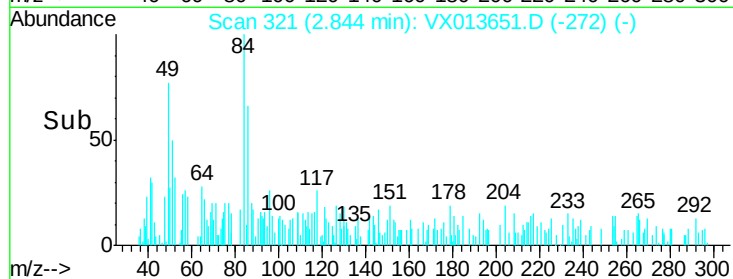
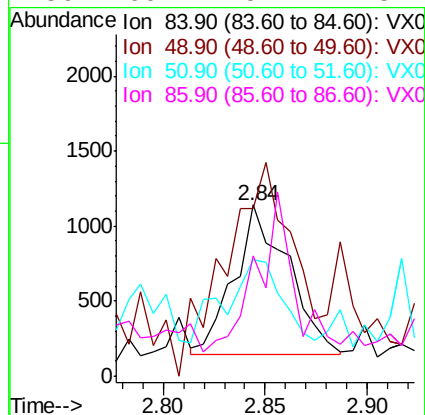
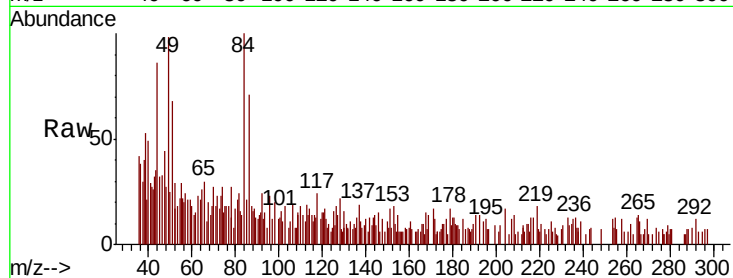




#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013651.D
Acq: 27 Nov 2019 14:37

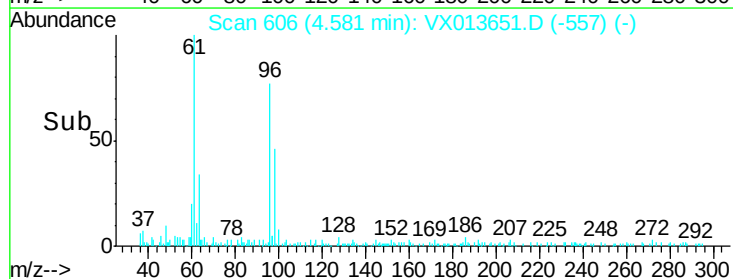
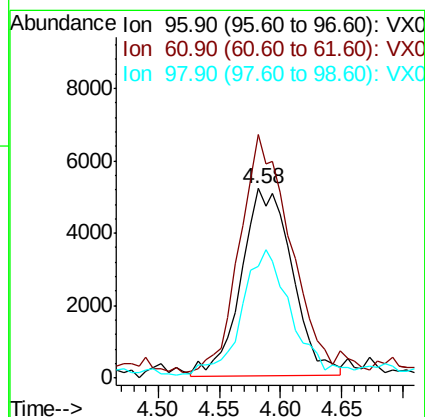
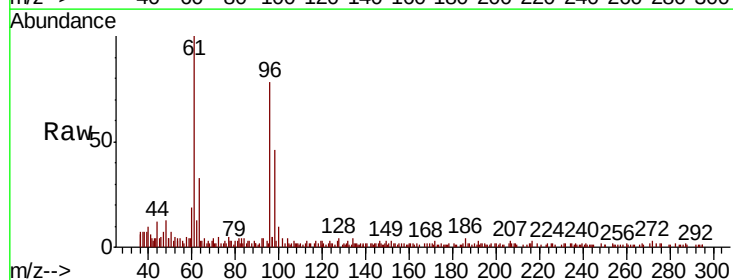
Instrument :
MSVOA_X
ClientSampled :

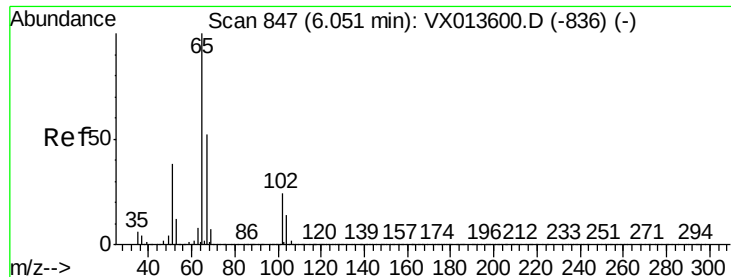
Tot Ion:	84	Resp:	1840
Ion	Ratio	Lower	Upper
84	100		
49	70.1	99.7	149.5#
51	65.8	29.9	44.9#
86	69.7	52.2	78.4



#27
cis-1,2-Dichloroethene
Concen: 1.908 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013651.D
Acq: 27 Nov 2019 14:37

Tgt Ion:	96	Resp:	15000
Ion	Ratio	Lower	Upper
96	100		
61	124.6	0.0	286.4
98	67.3	0.0	127.4

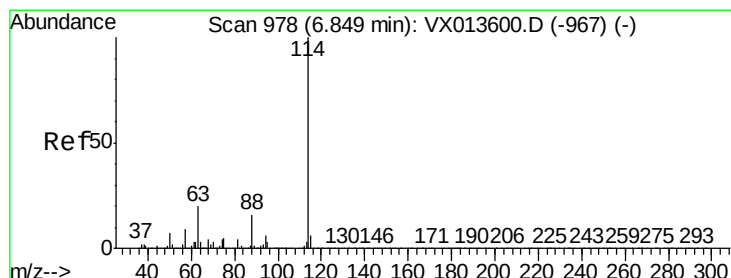
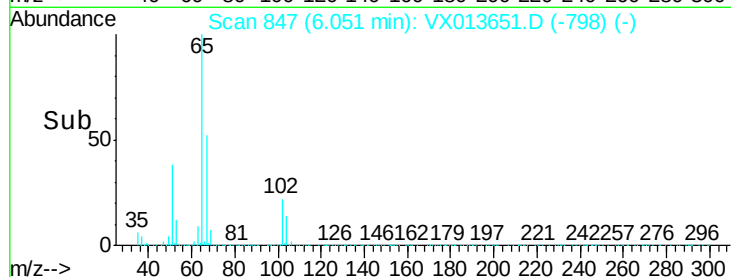
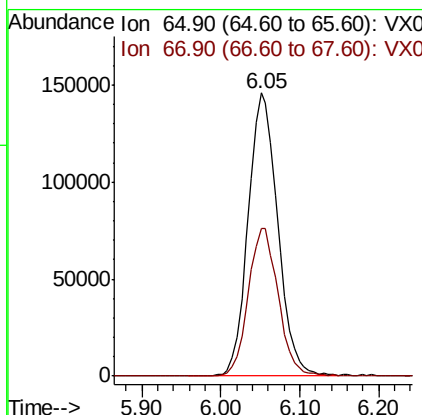
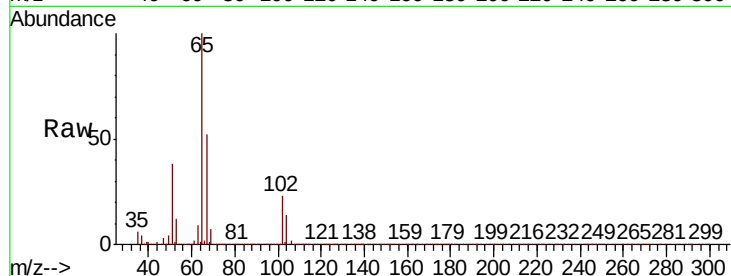




#33
 1,2-Dichloroethane-d4
 Concen: 49.735 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013651.D
 Acq: 27 Nov 2019 14:37

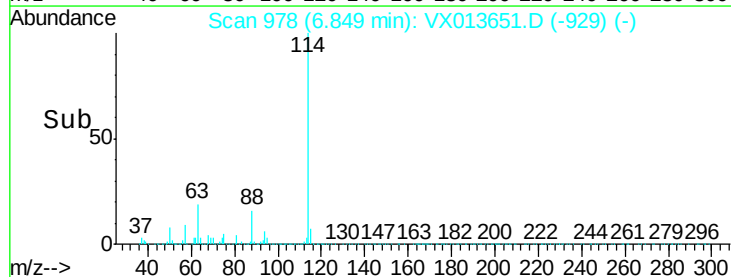
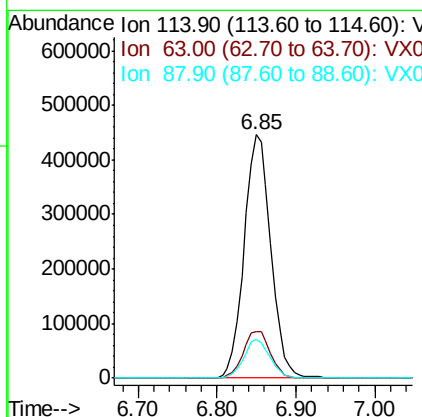
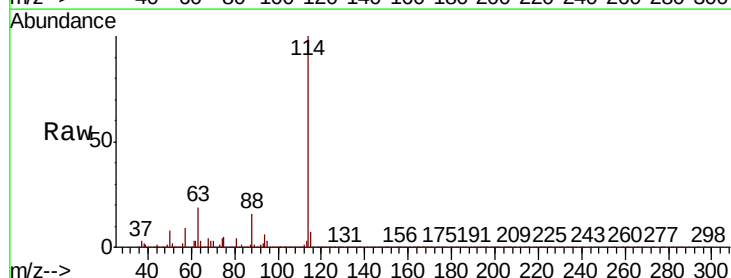
Instrument :
 MSVOA_X
 ClientSampleId :

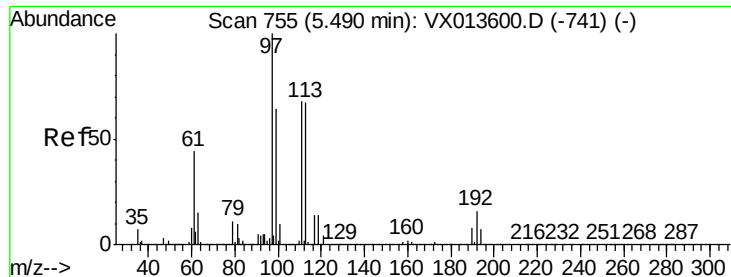
Tot Ion: 65 Resp: 381284
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013651.D
 Acq: 27 Nov 2019 14:37

Tgt Ion: 114 Resp: 1047285
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.759 ug/l

RT: 5.49 min Scan# 755

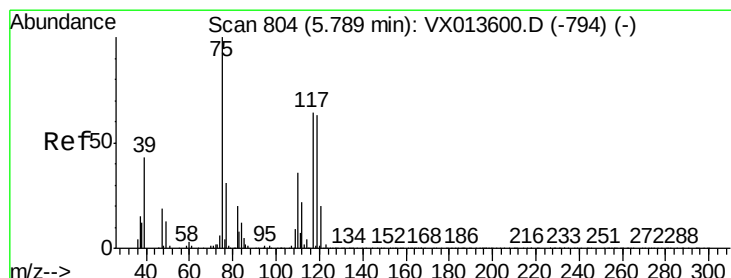
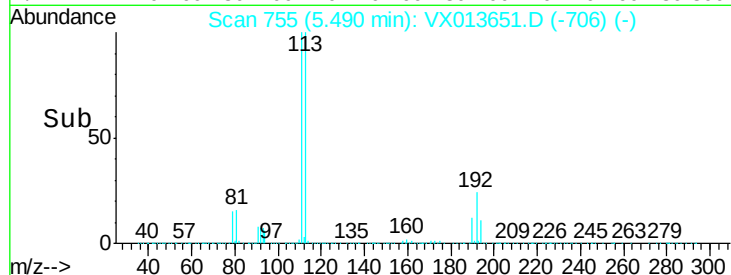
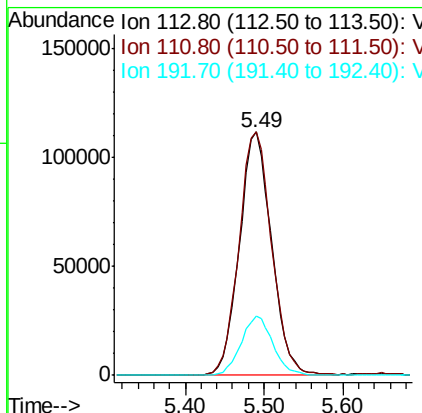
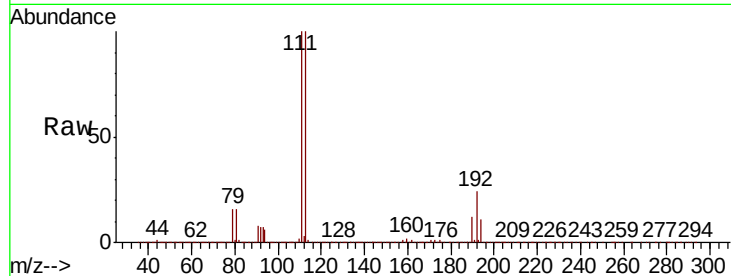
Delta R.T. -0.00 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	315687
Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.6	125.4
192	23.8	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.508 ug/l

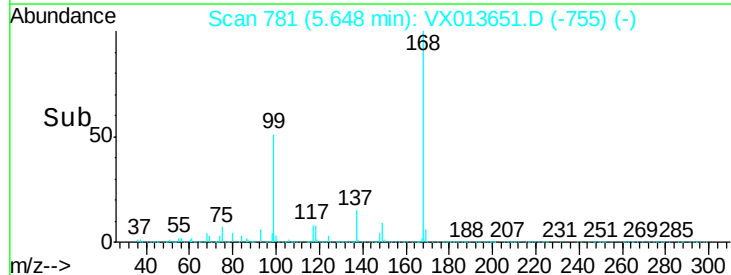
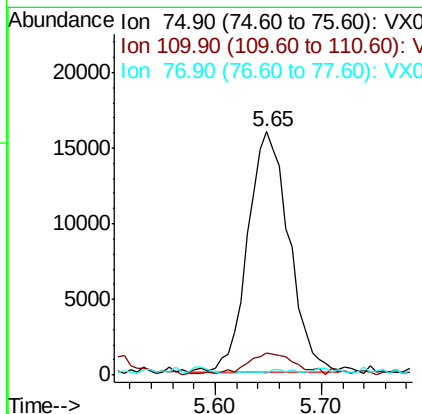
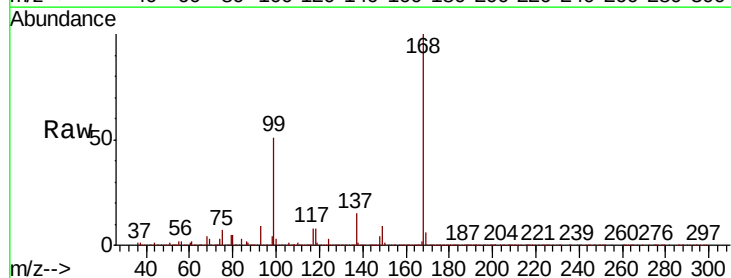
RT: 5.65 min Scan# 781

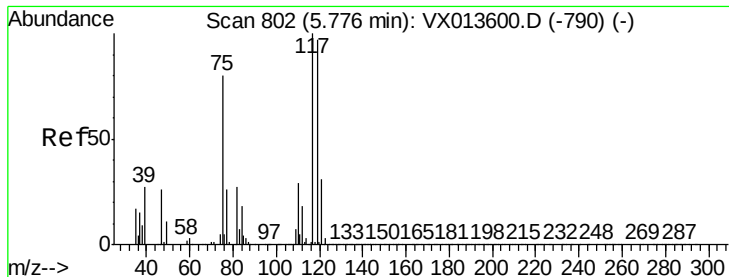
Delta R.T. -0.14 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

Tgt Ion:	75	Resp:	42854
Ion	Ratio	Lower	Upper
75	100		
110	11.0	18.1	54.1#
77	0.3	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.599 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

Instrument :

MSVOA_X

ClientSampled :

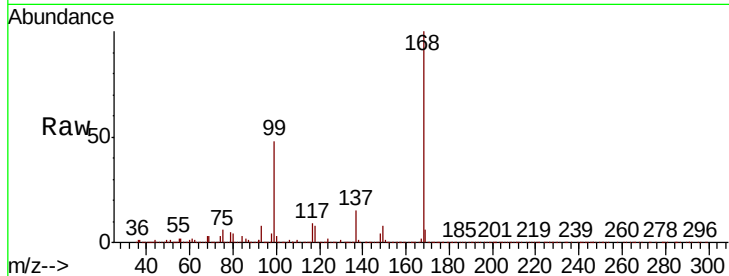
Tot Ion:117 Resp: 57850

Ion Ratio Lower Upper

117 100

119 3.3 77.5 116.3#

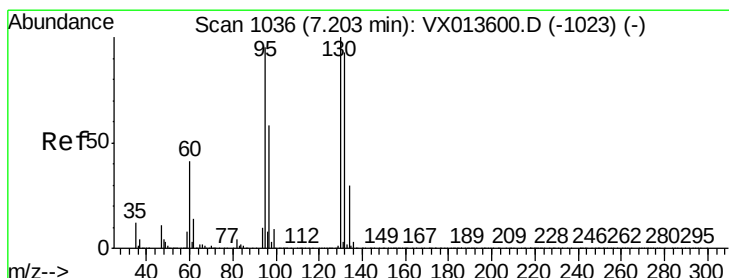
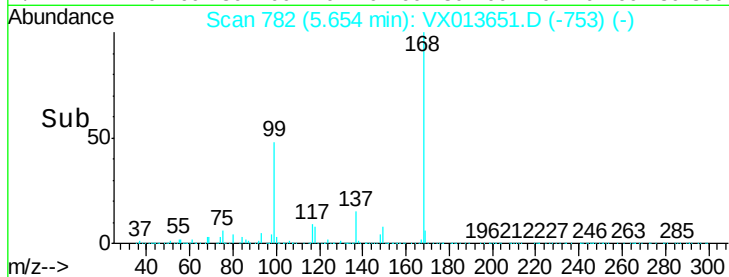
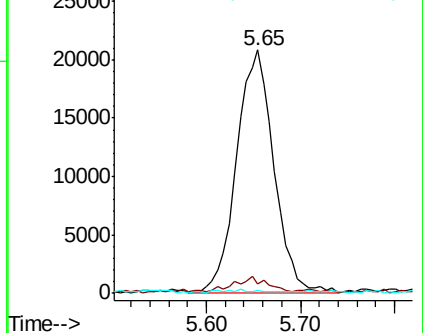
121 1.3 25.0 37.6#



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: 56.869 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013651.D

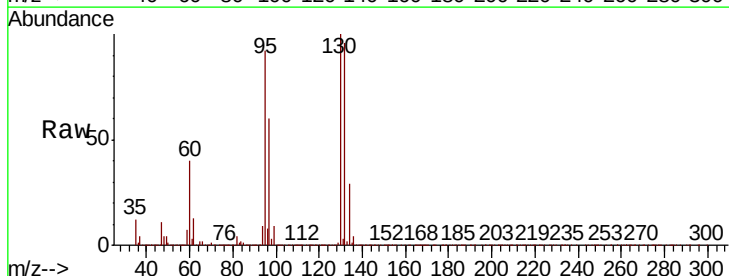
Acq: 27 Nov 2019 14:37

Tgt Ion:130 Resp: 451907

Ion Ratio Lower Upper

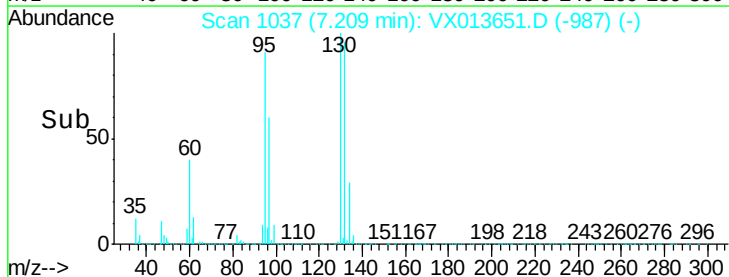
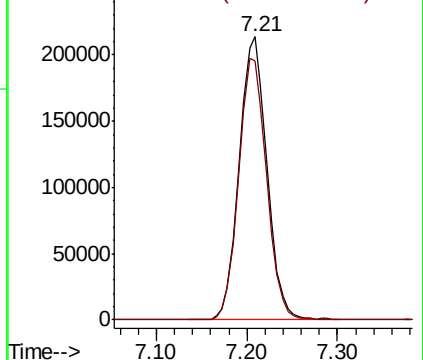
130 100

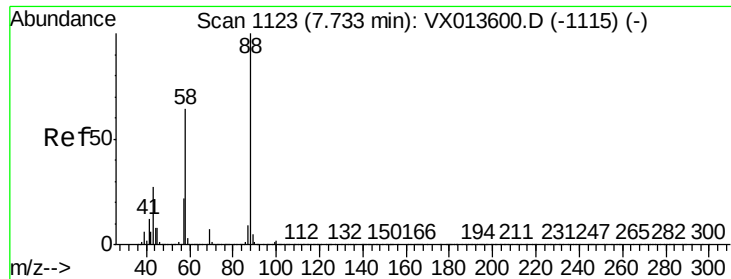
95 91.5 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

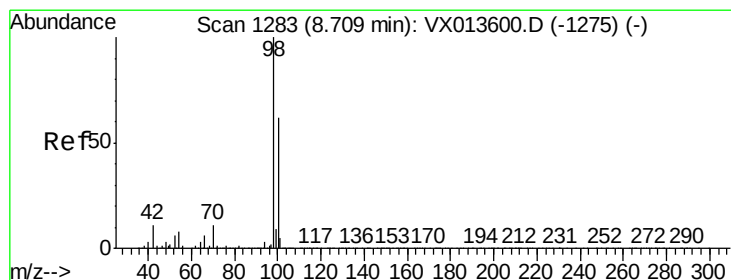
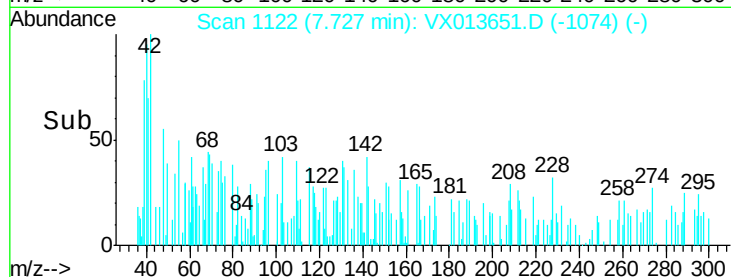
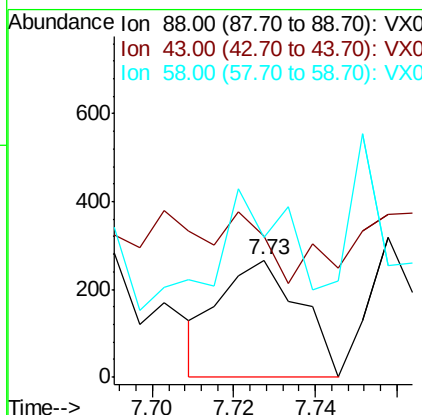
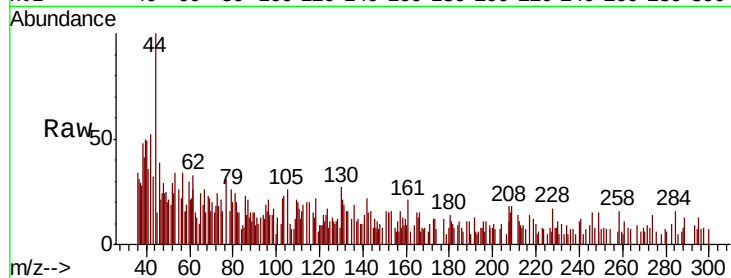




#49
1,4-Dioxane
Concen: 1.896 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013651.D
Acq: 27 Nov 2019 14:37

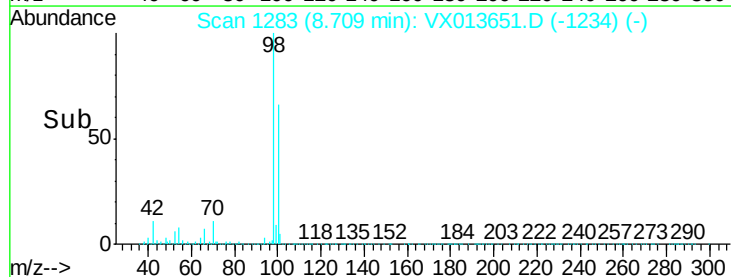
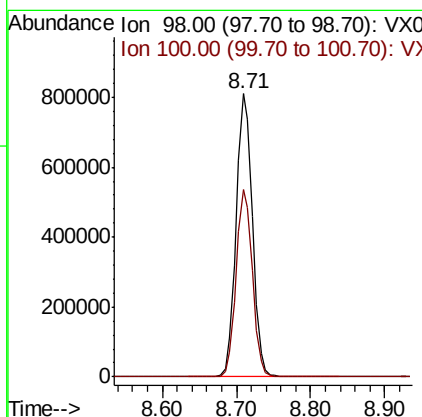
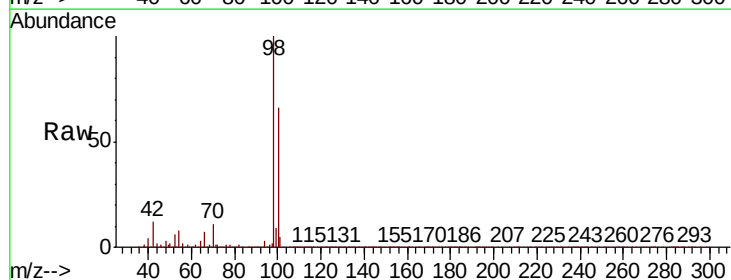
Instrument :
MSVOA_X
ClientSampleId :

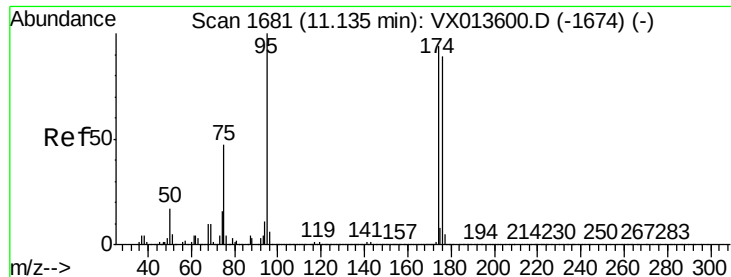
Tot Ion: 88 Resp: 362
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 58.0 54.6 82.0



#50
Toluene-d8
Concen: 49.457 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013651.D
Acq: 27 Nov 2019 14:37

Tgt Ion: 98 Resp: 1247573
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 46.021 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

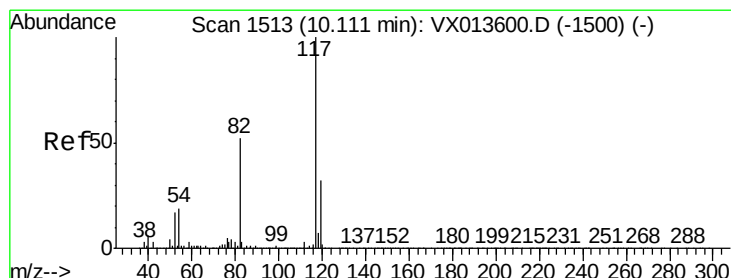
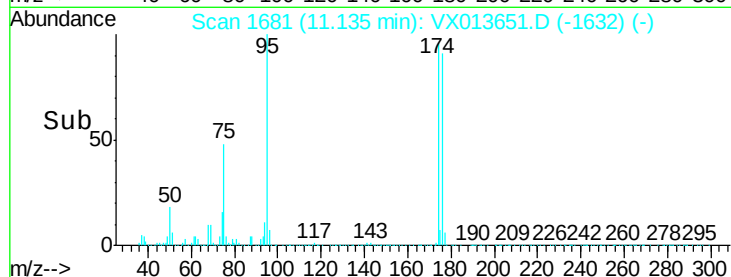
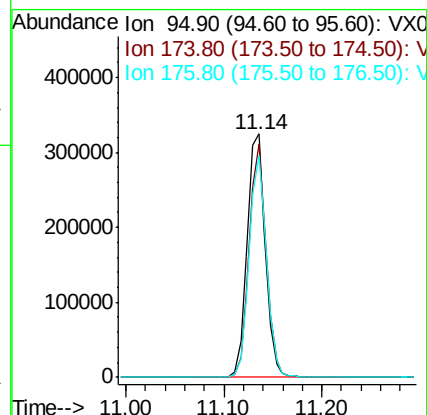
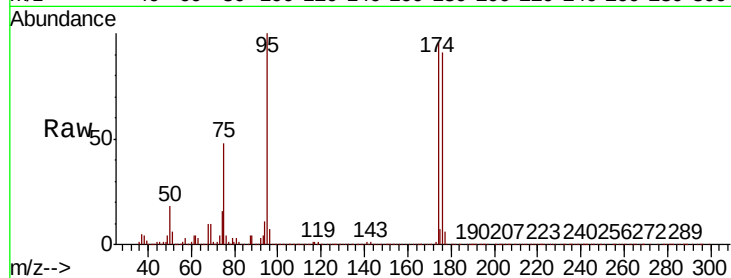
Tot Ion: 95 Resp: 418615

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

176 87.2 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: VX013651.D

Acq: 27 Nov 2019 14:37

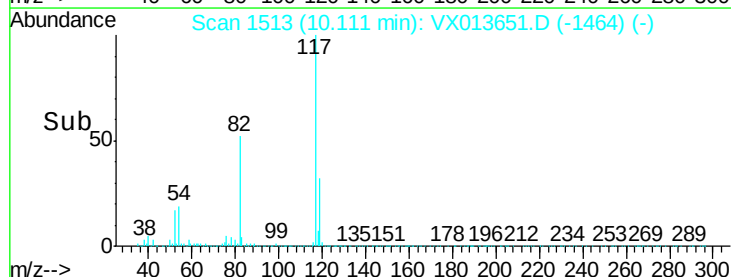
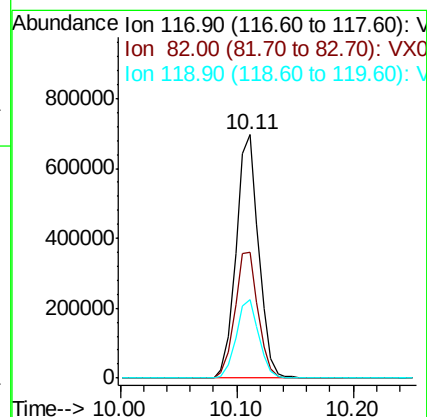
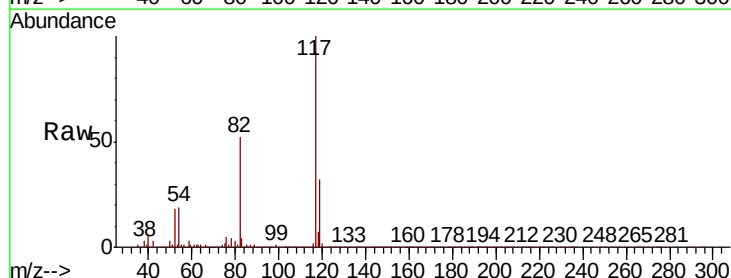
Tgt Ion: 117 Resp: 936717

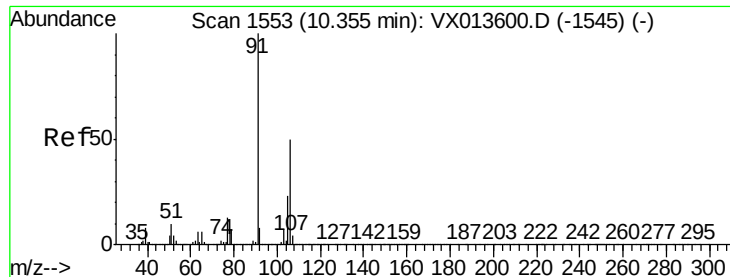
Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

119 32.3 25.8 38.8





#68

m/p-Xvlenes

Concen: 0.518 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

Instrument :

MSVOA_X

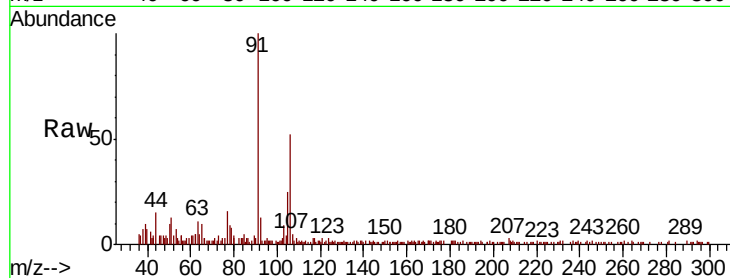
ClientSampleId :

Tot Ion:106 Resp: 6626

Ion Ratio Lower Upper

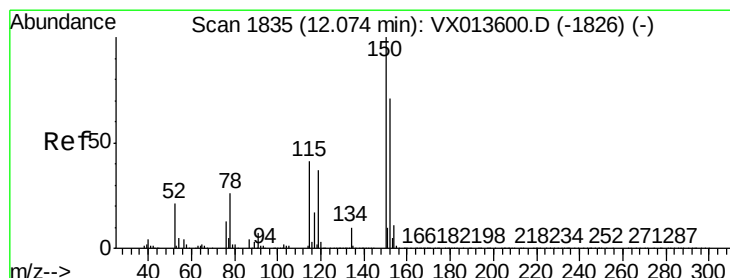
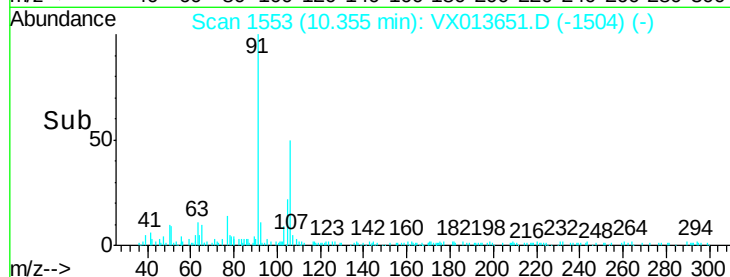
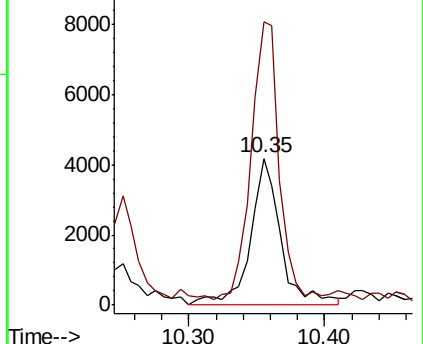
106 100

91 171.7 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

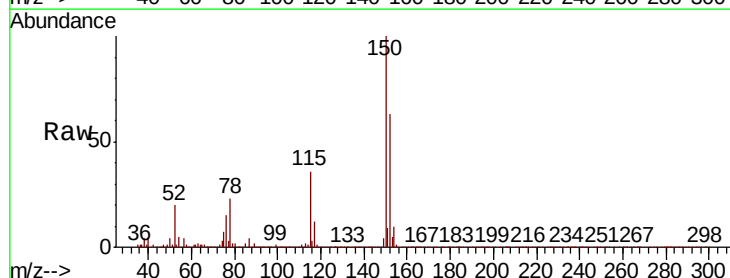
Tgt Ion:152 Resp: 415099

Ion Ratio Lower Upper

152 100

115 56.2 38.4 115.1

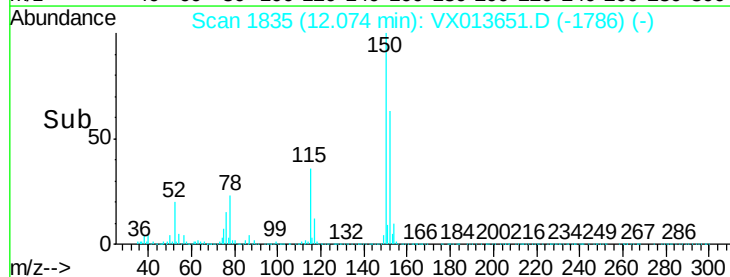
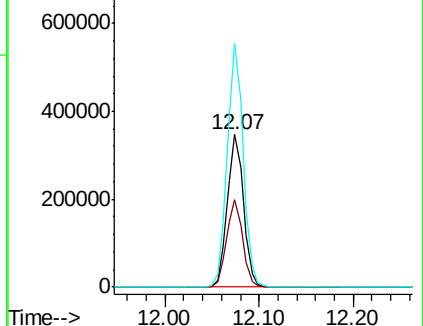
150 157.6 0.0 346.8

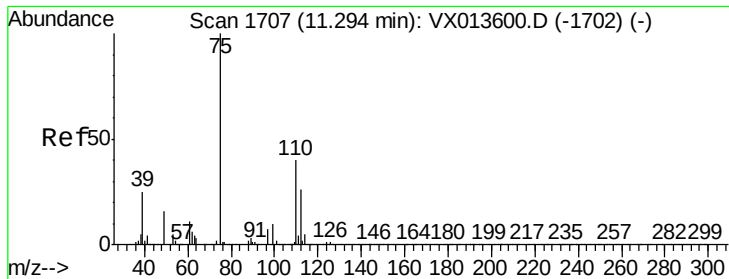


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.956 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

Instrument :

MSVOA_X

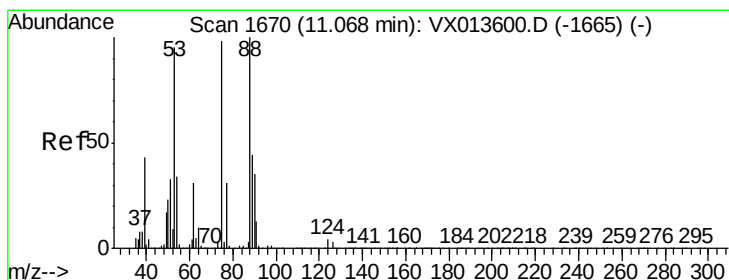
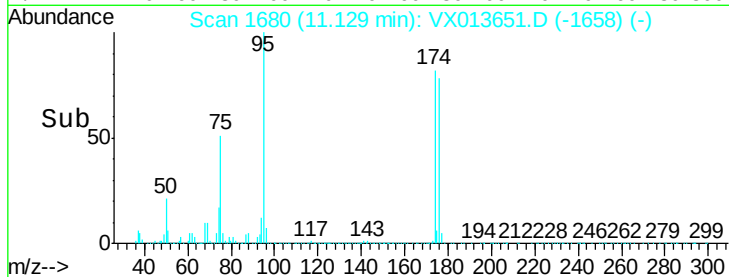
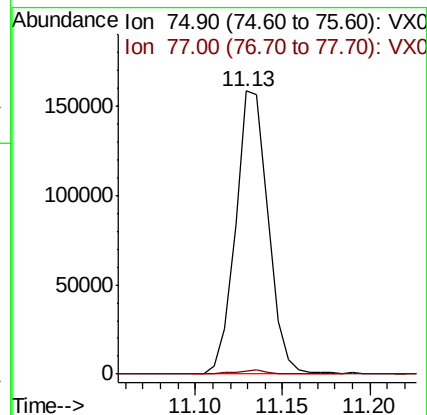
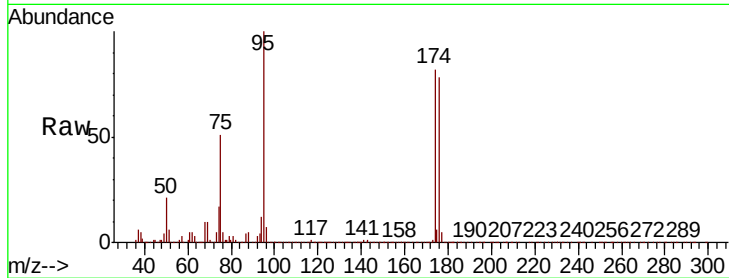
ClientSampleId :

Tot Ion: 75 Resp: 204989

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.068 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013651.D

Acq: 27 Nov 2019 14:37

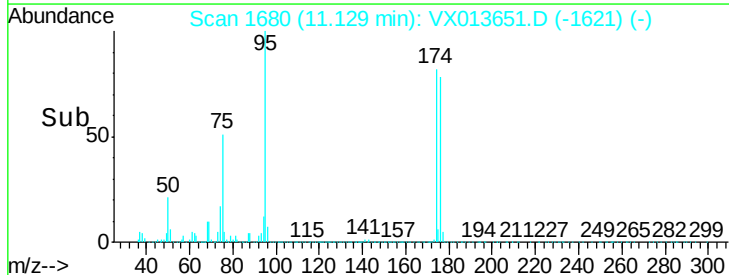
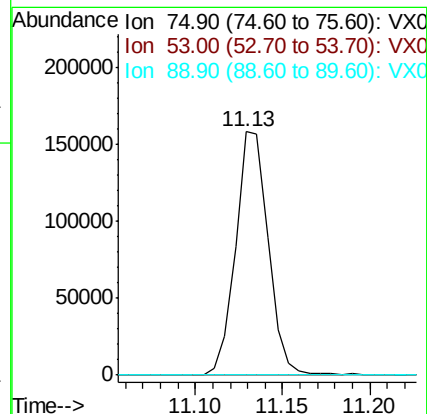
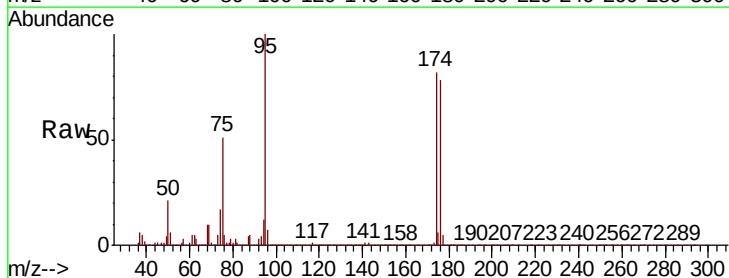
Tgt Ion: 75 Resp: 204989

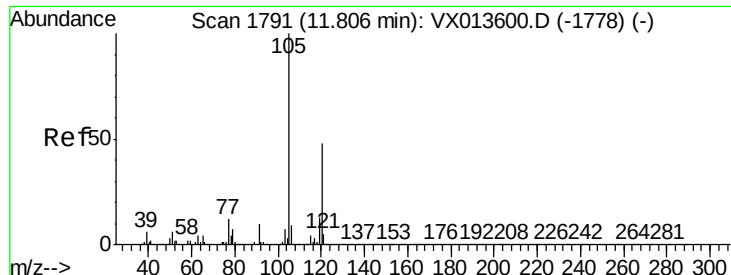
Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 35.4 53.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.230 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013651.D
 Acq: 27 Nov 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 5568
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.1 69.3

