

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\
 Data File : VX013751.D
 Acq On : 04 Dec 2019 15:54
 Operator : JC/SP
 Sample : K6129-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-191203

Quant Time: Dec 05 00:56:20 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	704006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1056101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	945744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	427927	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	378771	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	5.49	113	313993	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	8.71	98	1244111	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	422539	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	

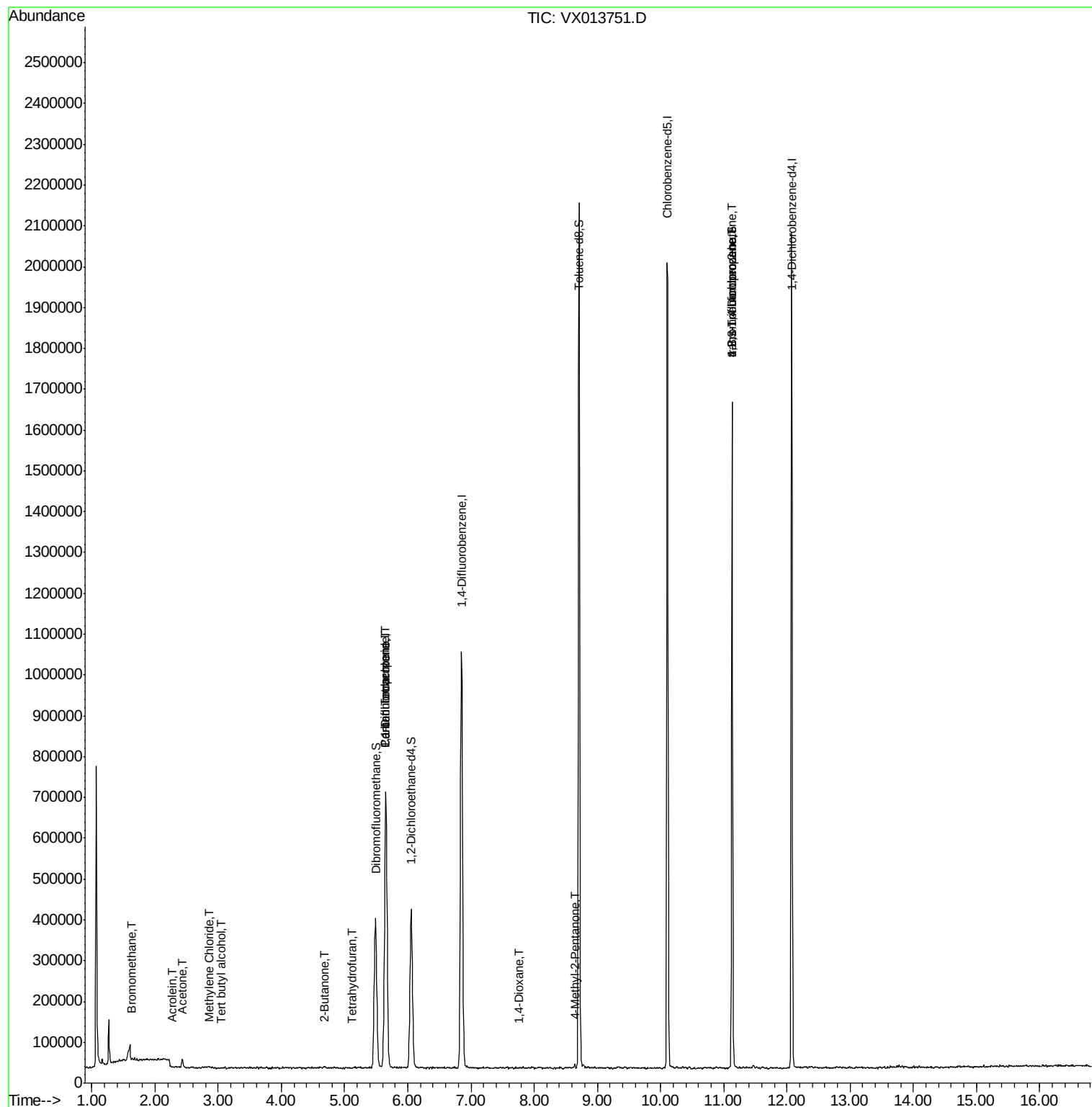
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2233	0.336	ug/l #	73
11) Tert butyl alcohol	3.04	59	1101	0.546	ug/l #	34
13) Acrolein	2.28	56	615	6.449	ug/l #	15
16) Acetone	2.43	43	27354	6.780	ug/l #	88
20) Methylene Chloride	2.86	84	2715	0.350	ug/l #	83
25) 2-Butanone	4.67	43	6554	1.093	ug/l	98
29) Tetrahydrofuran	5.12	42	865	0.234	ug/l #	88
36) 1,1-Dichloropropene	5.65	75	45895	4.787	ug/l #	50
38) Carbon Tetrachloride	5.65	117	60288	6.820	ug/l #	14
49) 1,4-Dioxane	7.75	88	184	0.956	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	5735	0.515	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	208652	21.679	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	208652	59.309	ug/l #	11

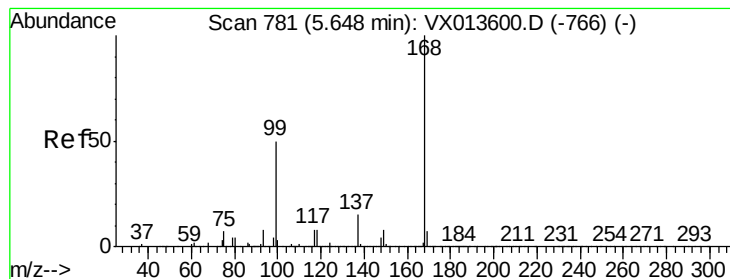
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX013751.D

Acq: 04 Dec 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

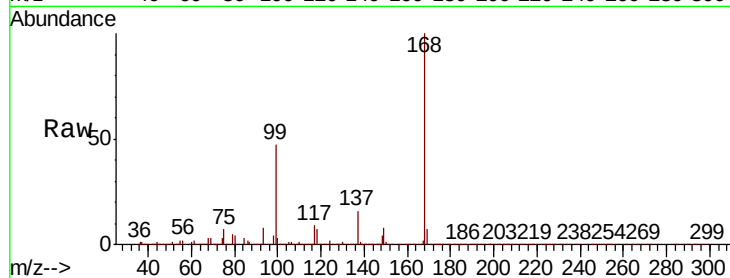
TB-01-191203

Tot Ion:168 Resp: 704006

Ion Ratio Lower Upper

168 100

99 46.5 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

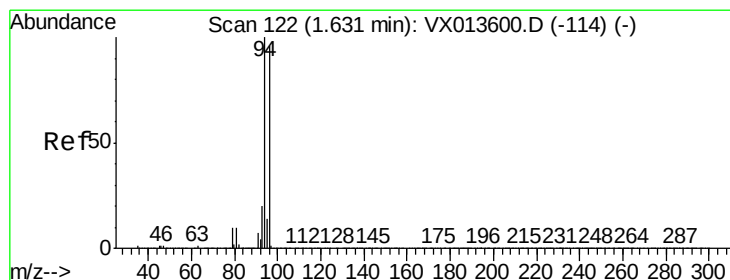
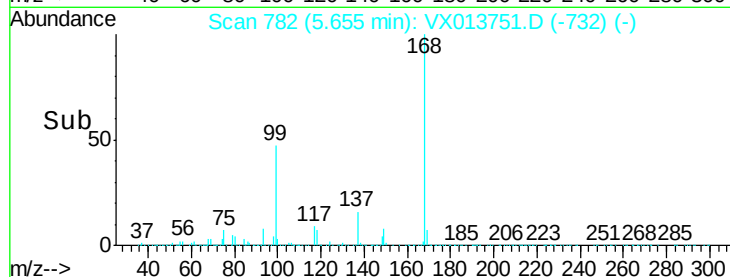
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.336 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013751.D

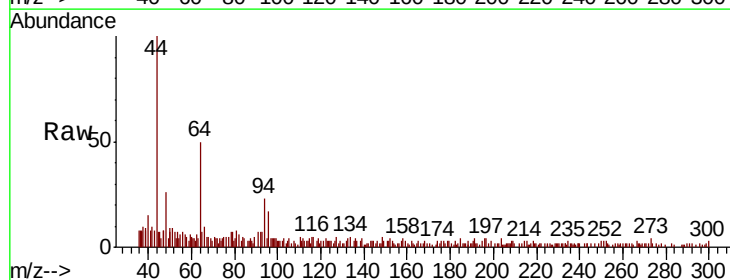
Acq: 04 Dec 2019 15:54

Tgt Ion: 94 Resp: 2233

Ion Ratio Lower Upper

94 100

96 69.5 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

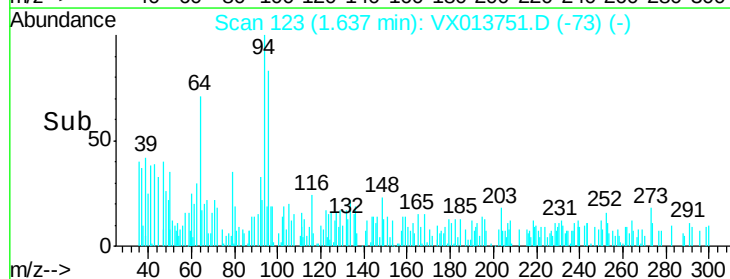
1500

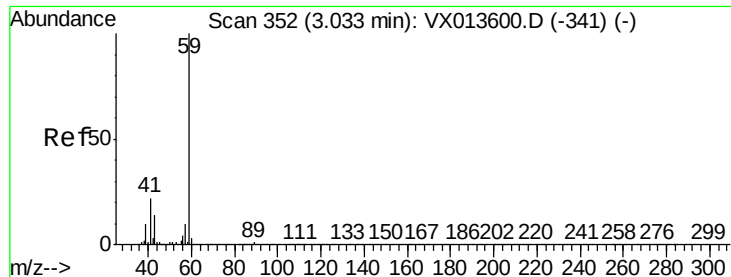
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500

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Time-->

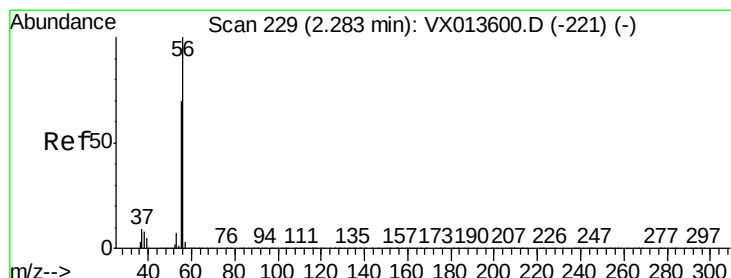
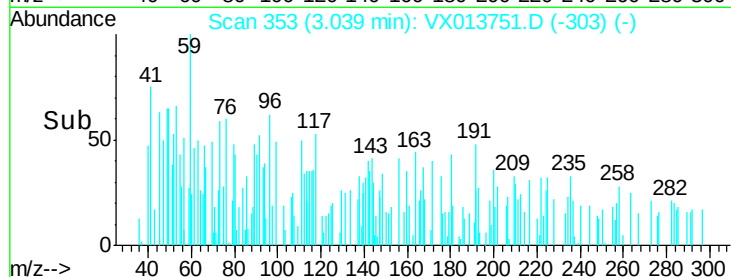
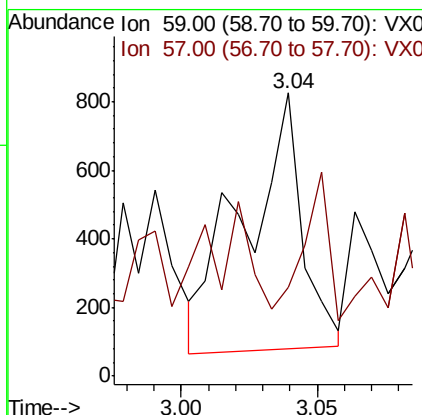
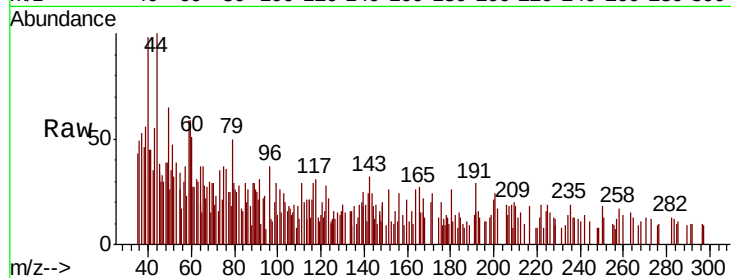




#11
Tert butyl alcohol
Concen: 0.546 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013751.D
Acq: 04 Dec 2019 15:54

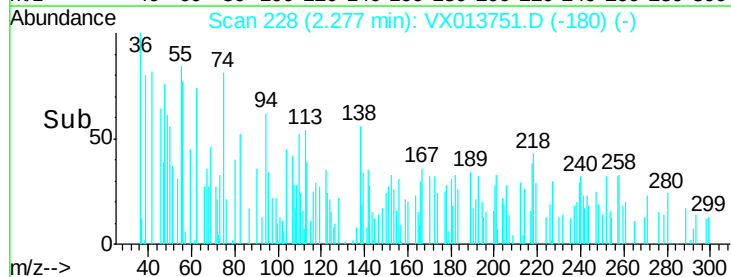
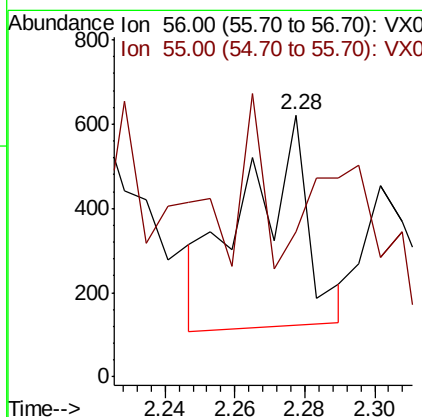
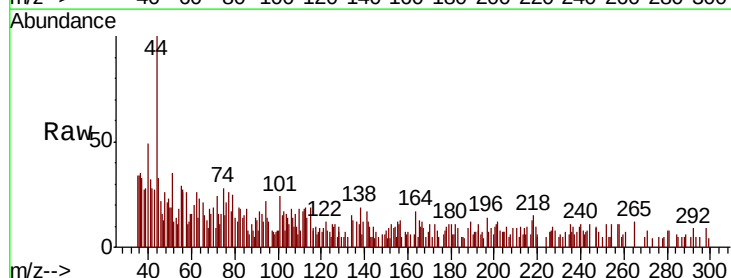
Instrument :
MSVOA_X
ClientSampled :
TB-01-191203

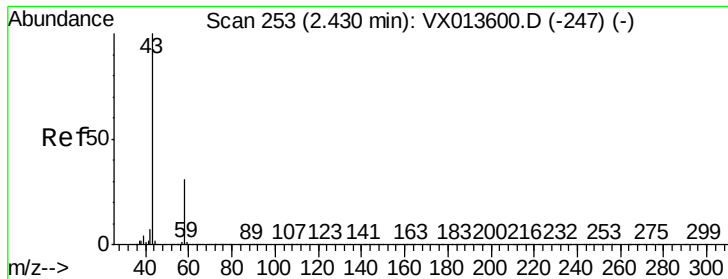
Tot Ion: 59 Resp: 1101
Ion Ratio Lower Upper
59 100
57 33.9 7.8 11.6#



#13
Acrolein
Concen: 6.449 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX013751.D
Acq: 04 Dec 2019 15:54

Tgt Ion: 56 Resp: 615
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

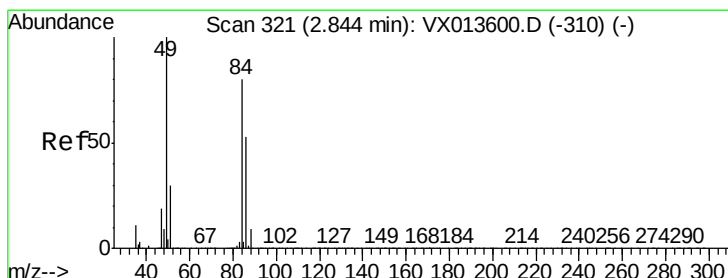
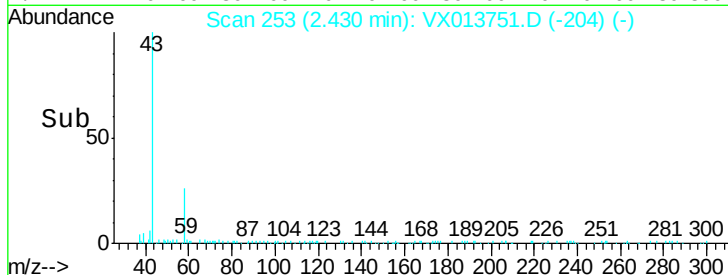
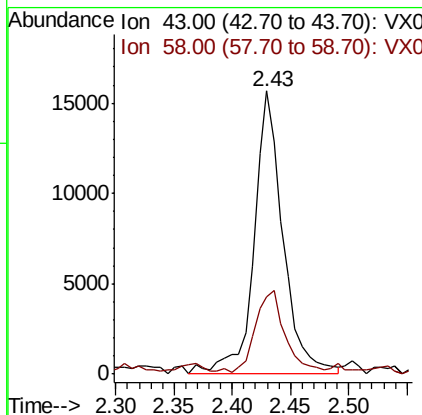
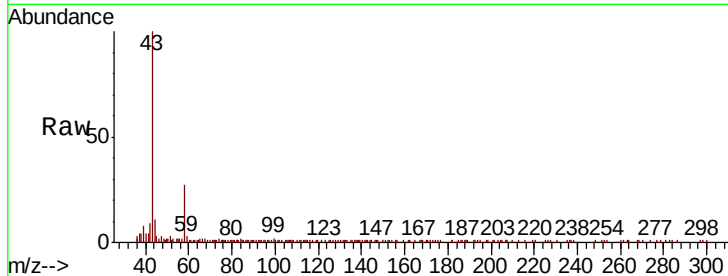




#16
Acetone
Concen: 6.780 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013751.D
Acq: 04 Dec 2019 15:54

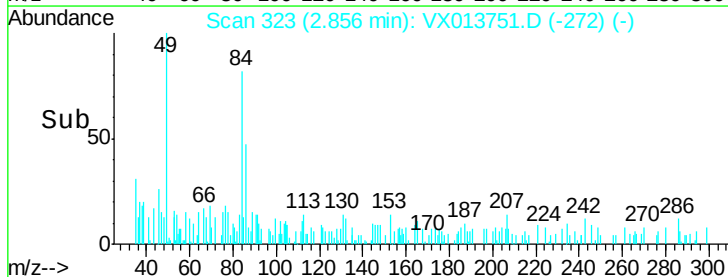
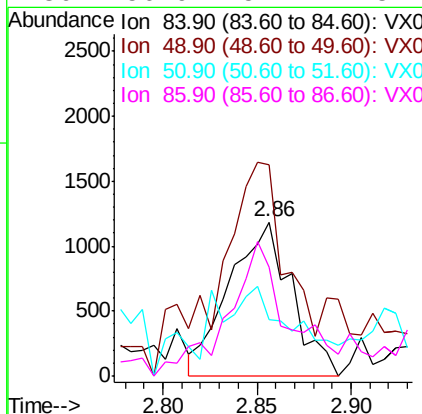
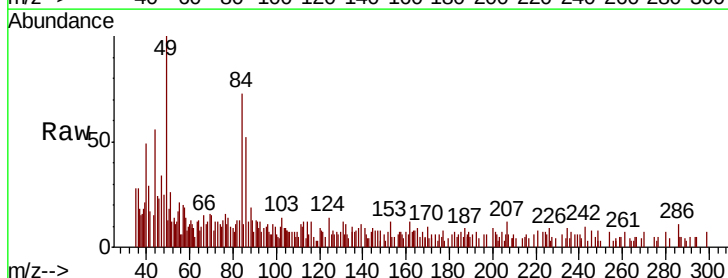
Instrument :
MSVOA_X
ClientSampleId :
TB-01-191203

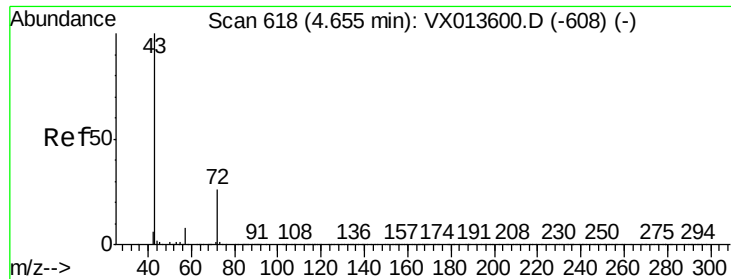
Tot Ion: 43 Resp: 27354
Ion Ratio Lower Upper
43 100
58 24.1 24.6 36.8#



#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013751.D
Acq: 04 Dec 2019 15:54

Tgt Ion: 84 Resp: 2715
Ion Ratio Lower Upper
84 100
49 106.4 99.7 149.5
51 16.8 29.9 44.9#
86 56.9 52.2 78.4





#25

2-Butanone

Concen: 1.093 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

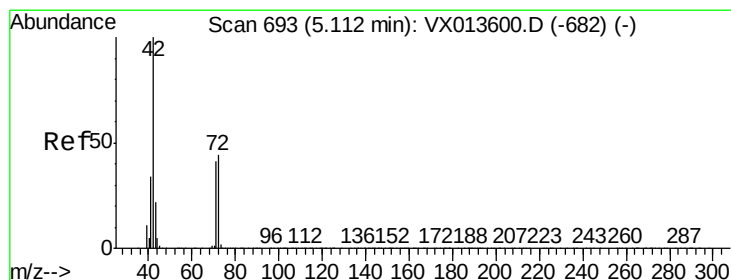
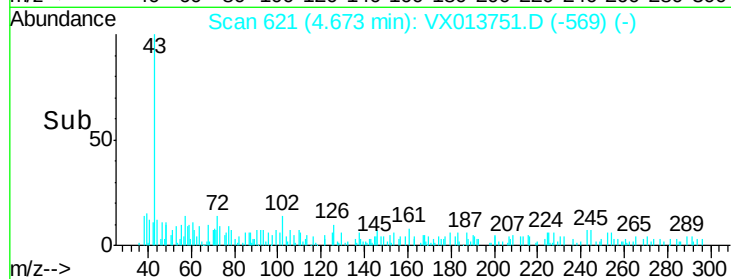
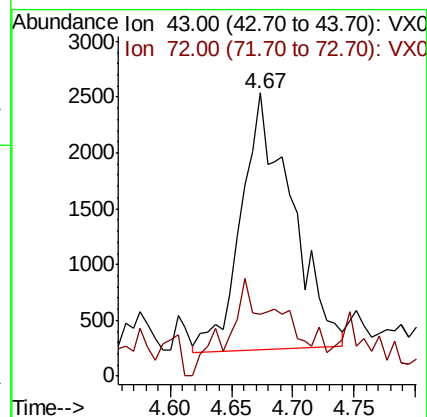
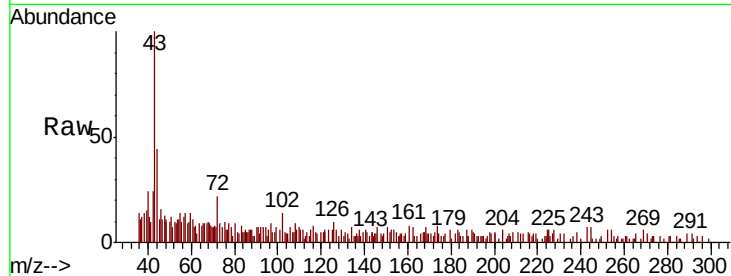
TB-01-191203

Tot Ion: 43 Resp: 6554

Ion Ratio Lower Upper

43 100

72 24.6 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

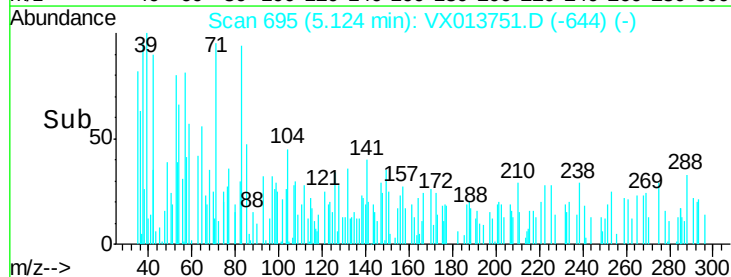
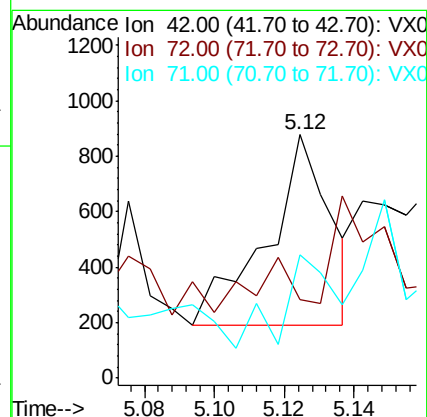
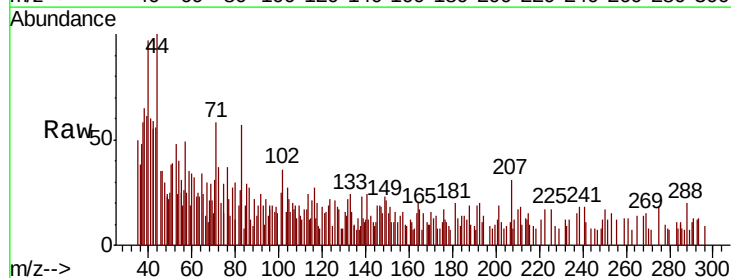
Tgt Ion: 42 Resp: 865

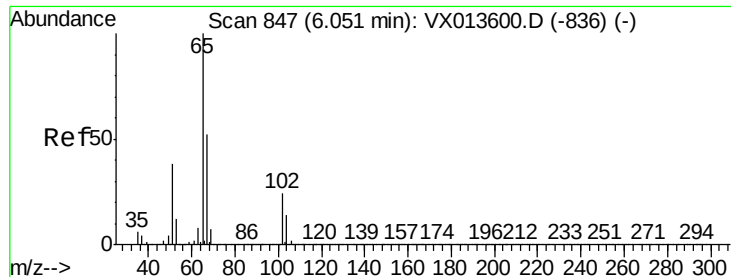
Ion Ratio Lower Upper

42 100

72 31.8 36.3 54.5#

71 39.5 33.2 49.8

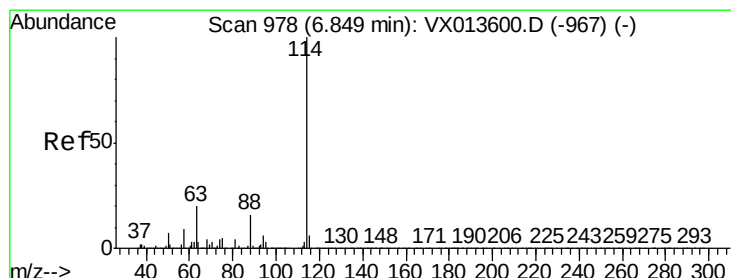
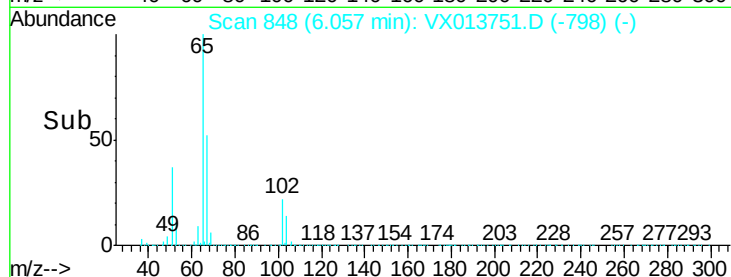
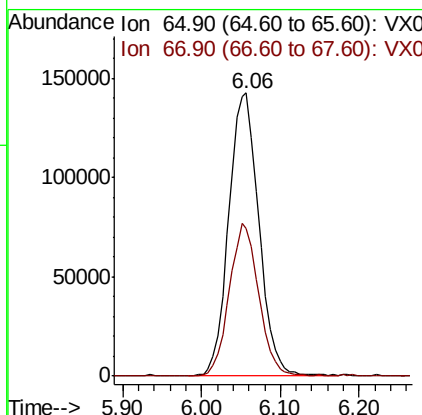
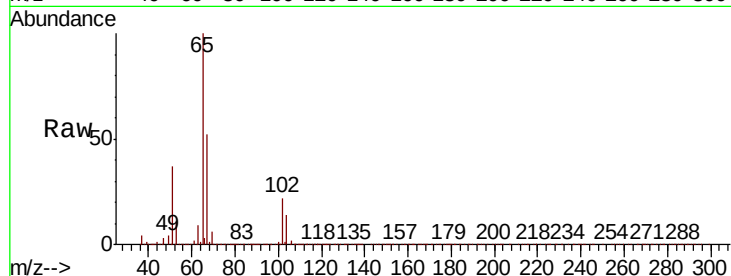




#33
 1,2-Dichloroethane-d4
 Concen: 46.350 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013751.D
 Acq: 04 Dec 2019 15:54

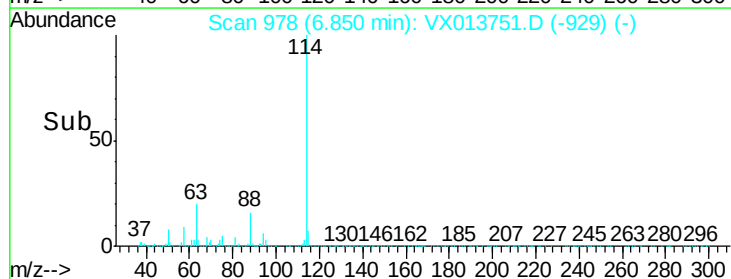
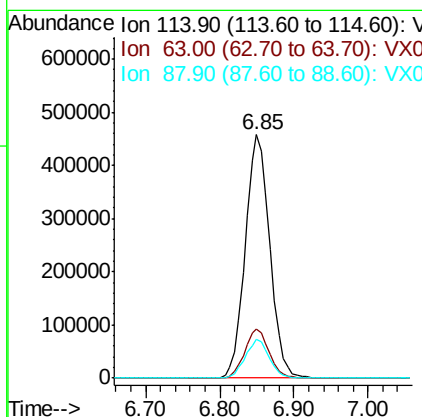
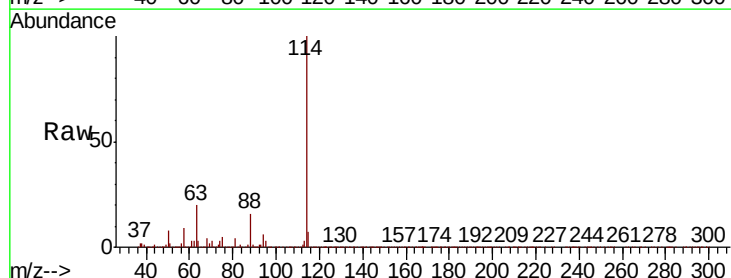
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-191203

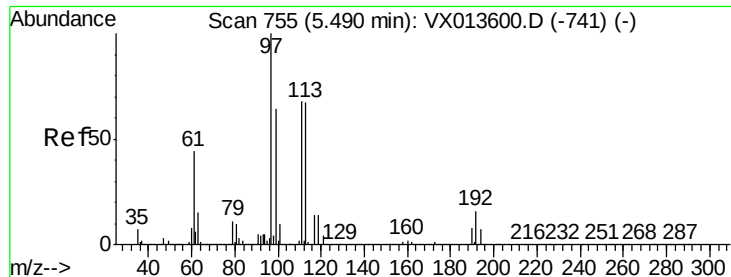
Tot Ion: 65 Resp: 378771
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013751.D
 Acq: 04 Dec 2019 15:54

Tgt Ion: 114 Resp: 1056101
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.092 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191203

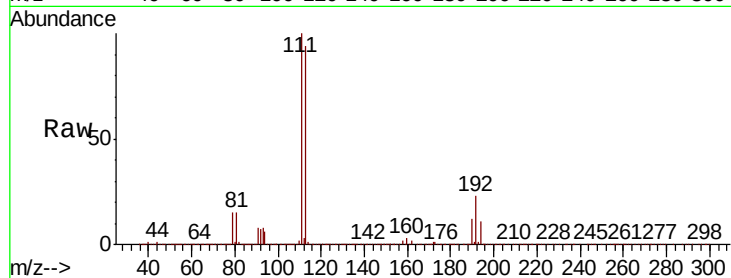
Tot Ion:113 Resp: 313993

Ion Ratio Lower Upper

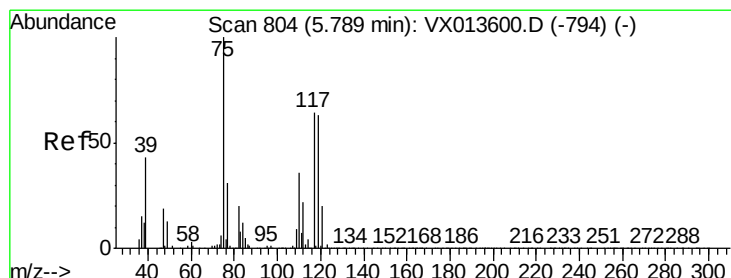
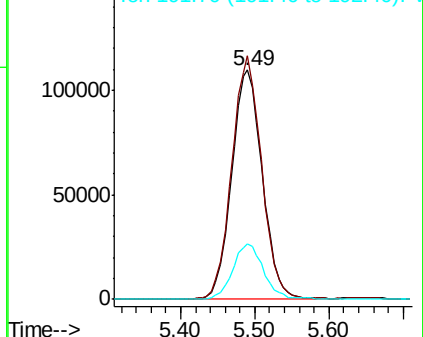
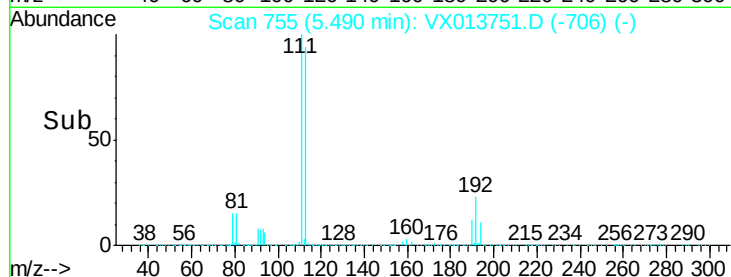
113 100

111 104.3 83.6 125.4

192 24.6 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: 4.787 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

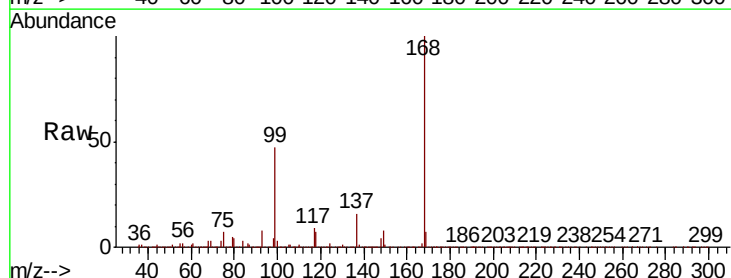
Tgt Ion: 75 Resp: 45895

Ion Ratio Lower Upper

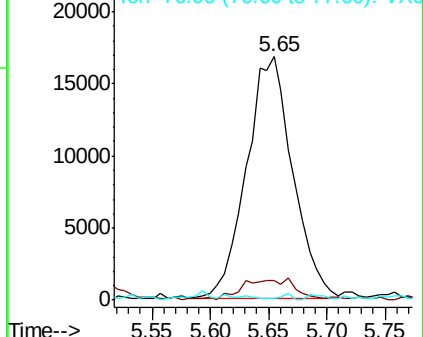
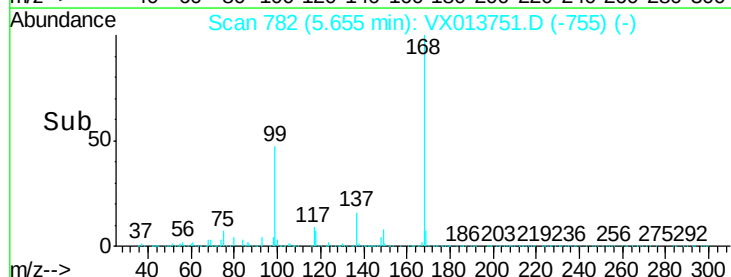
75 100

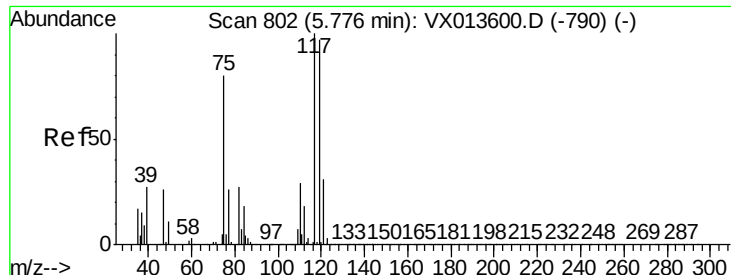
110 9.5 18.1 54.1#

77 0.6 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: 6.820 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

Instrument :

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ClientSampleId :

TB-01-191203

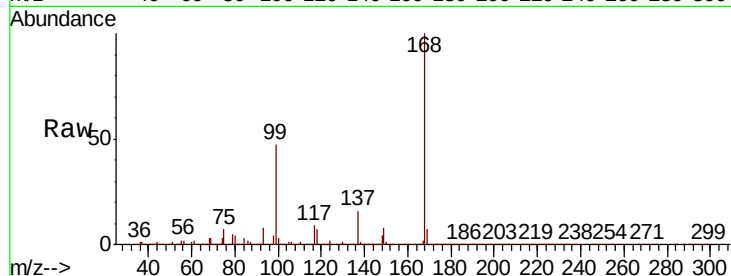
Tot Ion:117 Resp: 60288

Ion Ratio Lower Upper

117 100

119 3.1 77.5 116.3#

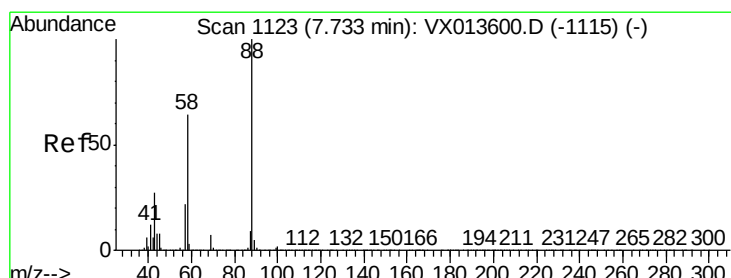
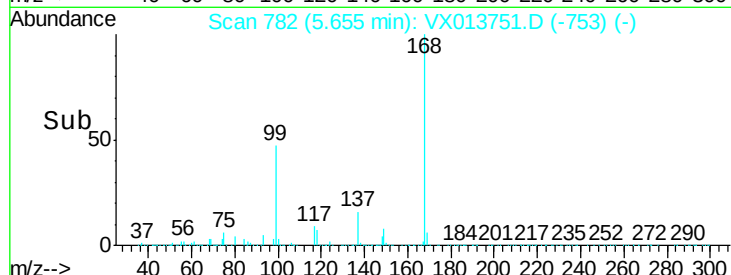
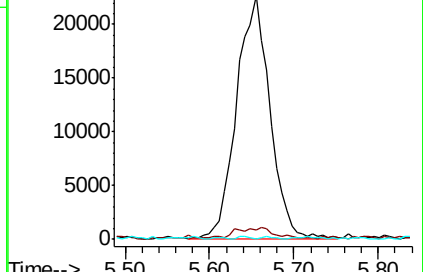
121 0.4 25.0 37.6#



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: 0.956 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

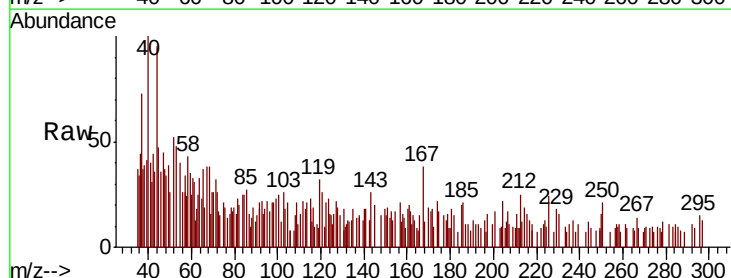
Tgt Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

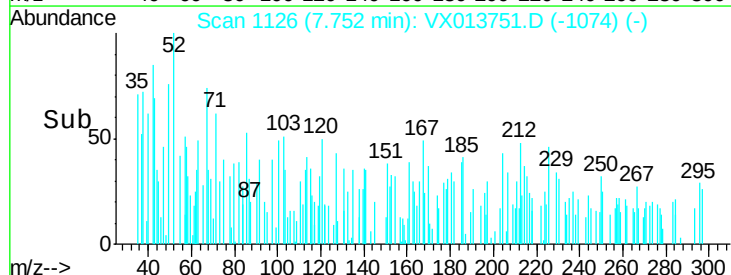
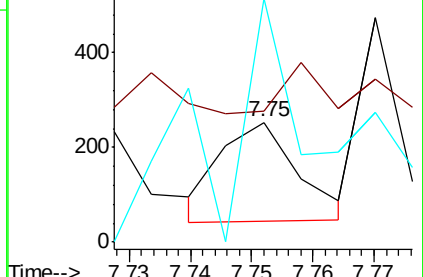
58 176.6 54.6 82.0#

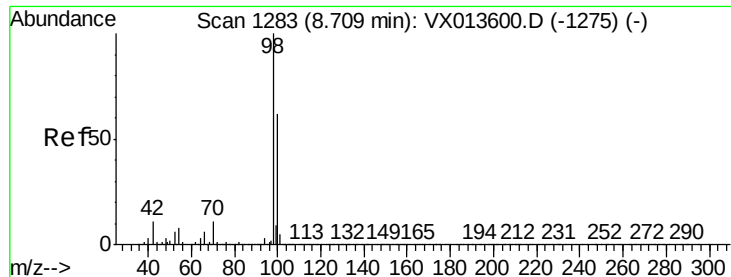


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.908 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

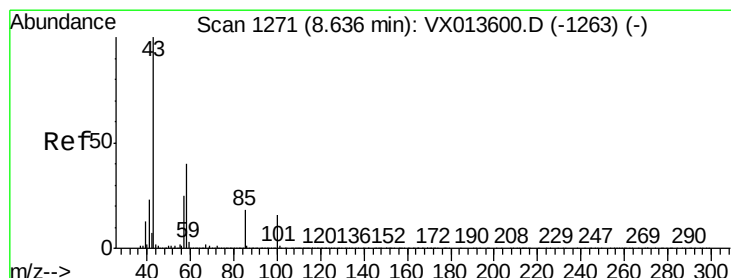
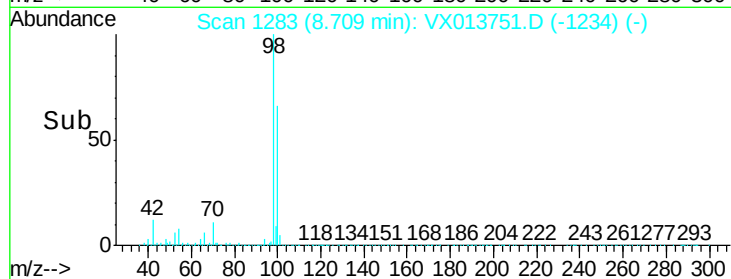
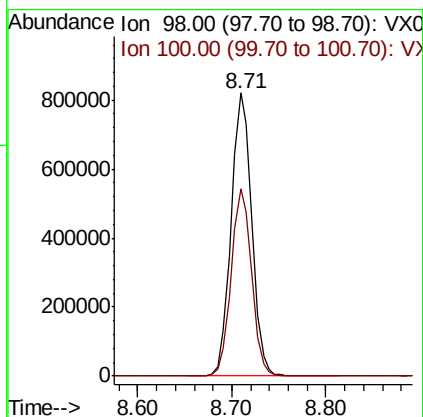
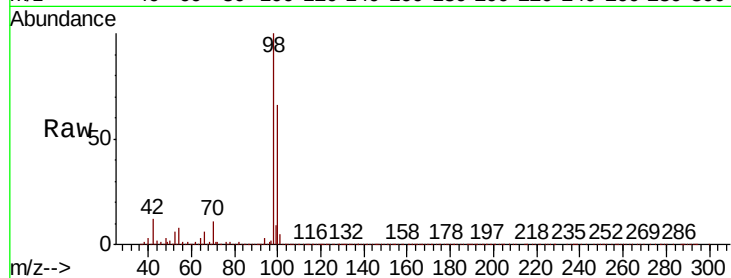
TB-01-191203

Tot Ion: 98 Resp: 1244111

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.515 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013751.D

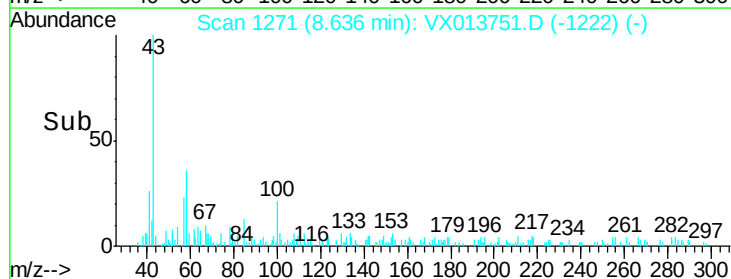
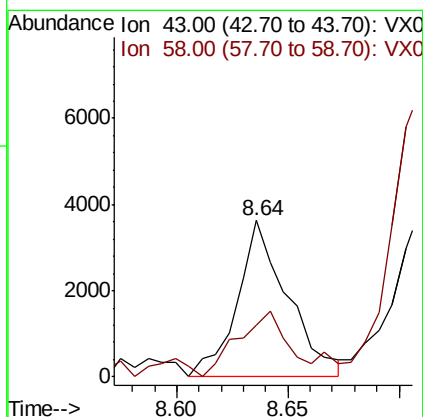
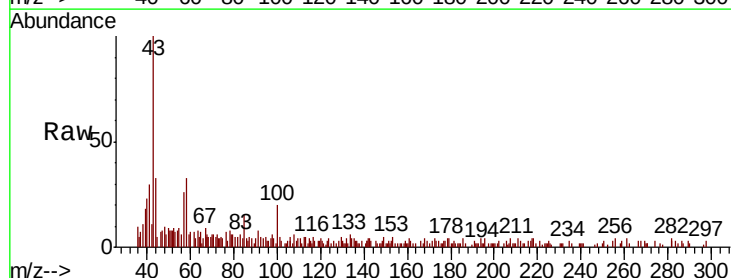
Acq: 04 Dec 2019 15:54

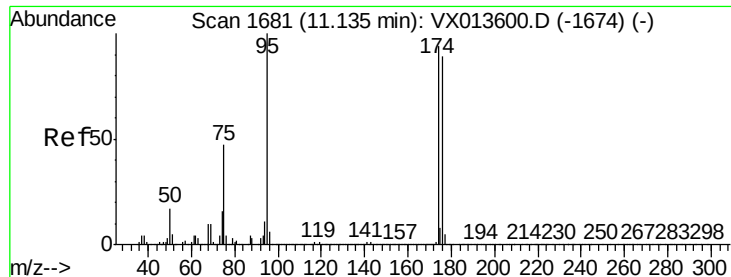
Tgt Ion: 43 Resp: 5735

Ion Ratio Lower Upper

43 100

58 41.4 32.1 48.1





#62

4-Bromofluorobenzene

Concen: 46.064 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191203

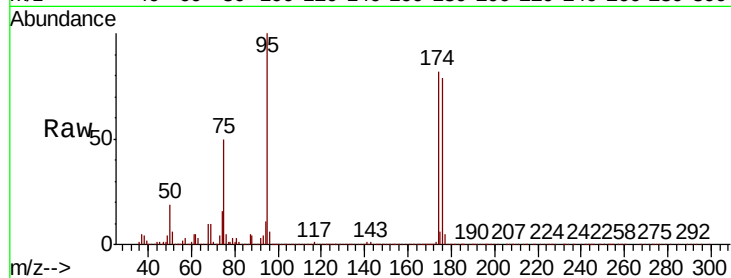
Tot Ion: 95 Resp: 422539

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.0

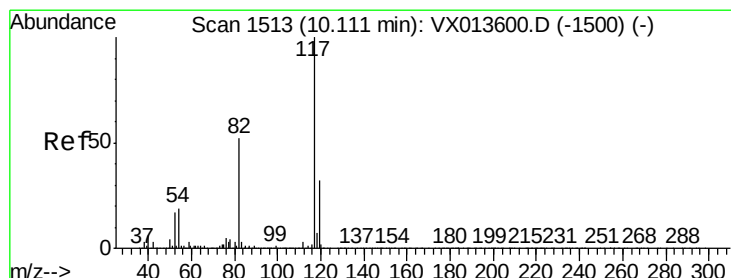
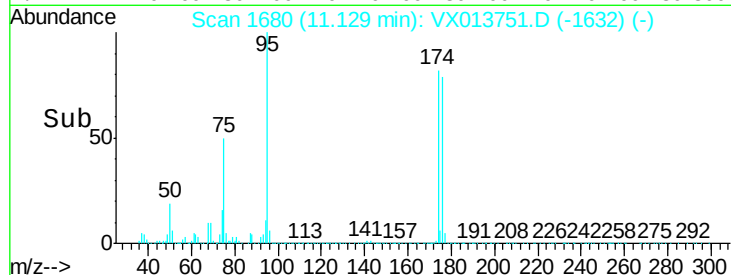
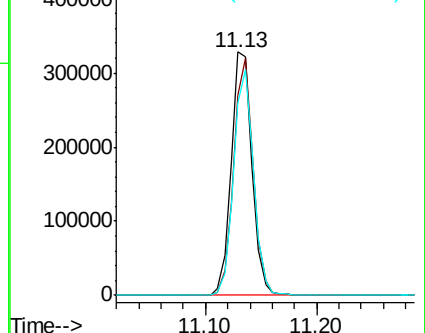
176 88.9 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

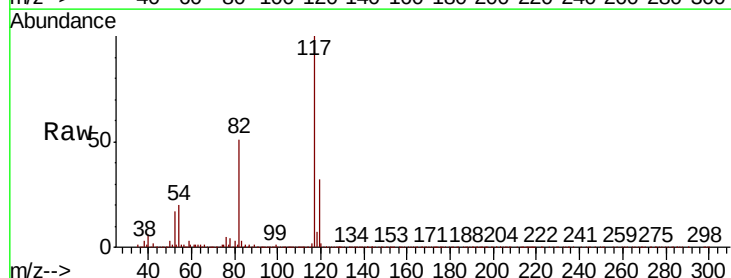
Tgt Ion: 117 Resp: 945744

Ion Ratio Lower Upper

117 100

82 51.2 41.8 62.8

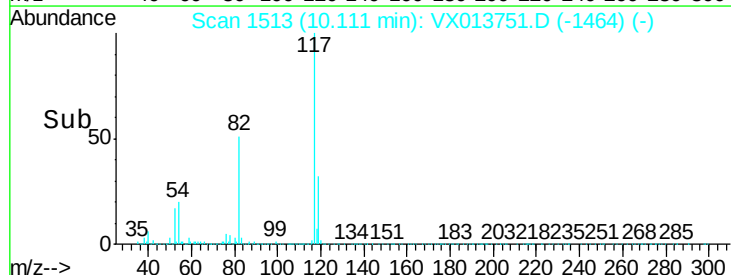
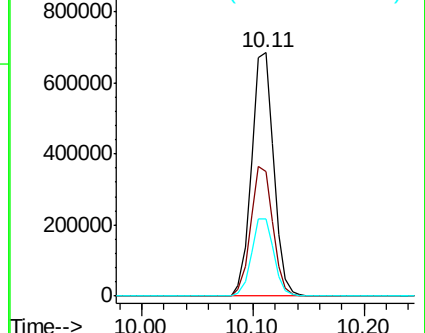
119 31.7 25.8 38.8

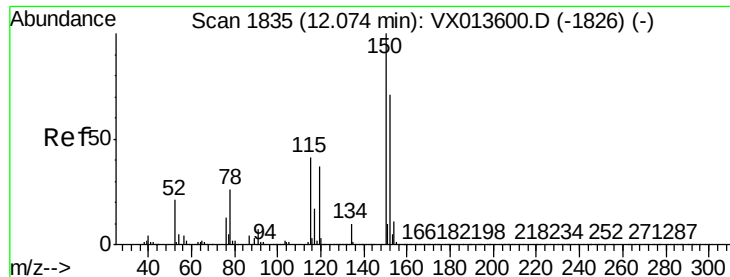


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

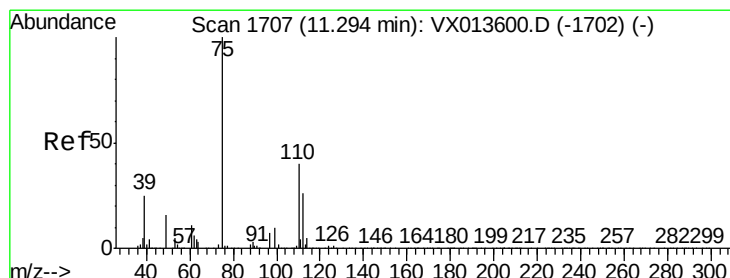
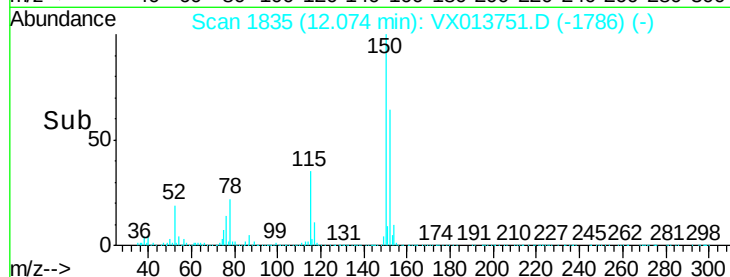
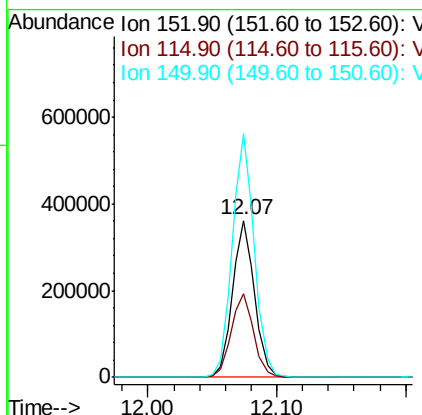
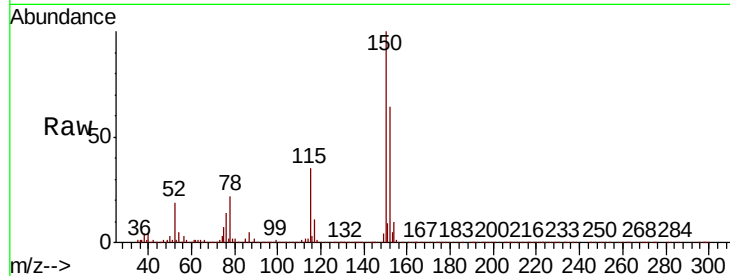




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX013751.D
 Acq: 04 Dec 2019 15:54

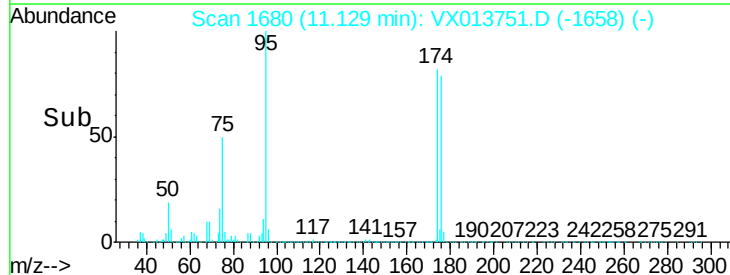
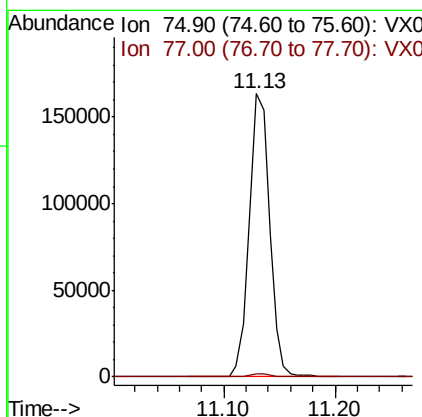
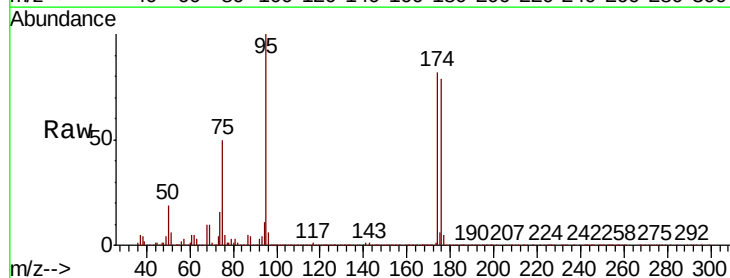
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-191203

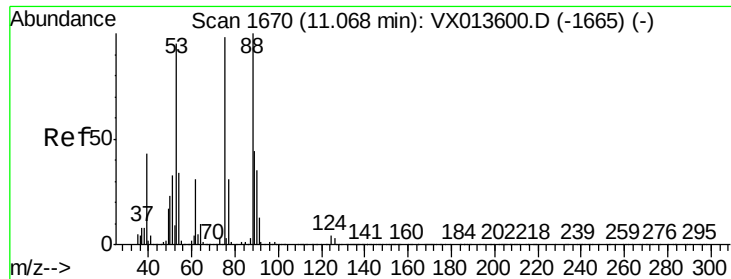
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.4	115.1
150	156.1	0.0	346.8



#76
 1,2,3-Trichloropropane
 Concen: 21.679 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013751.D
 Acq: 04 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.309 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013751.D

Acq: 04 Dec 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191203

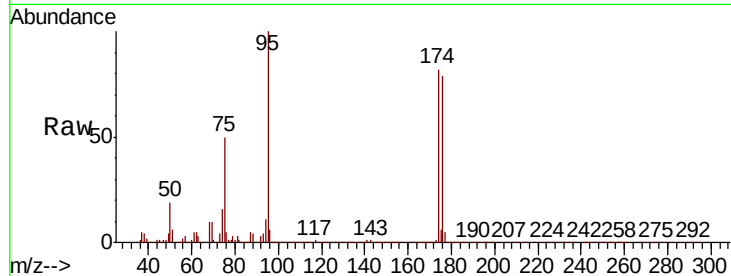
Tot Ion: 75 Resp: 208652

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.1 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

