

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013619.D
 Acq On : 26 Nov 2019 23:59
 Operator : JC/SP
 Sample : K5968-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20191121

Quant Time: Nov 27 03:46:34 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	658487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1043344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	928748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	421129	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	374942	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	5.49	113	310029	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	8.71	98	1234064	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.13	95	412700	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	

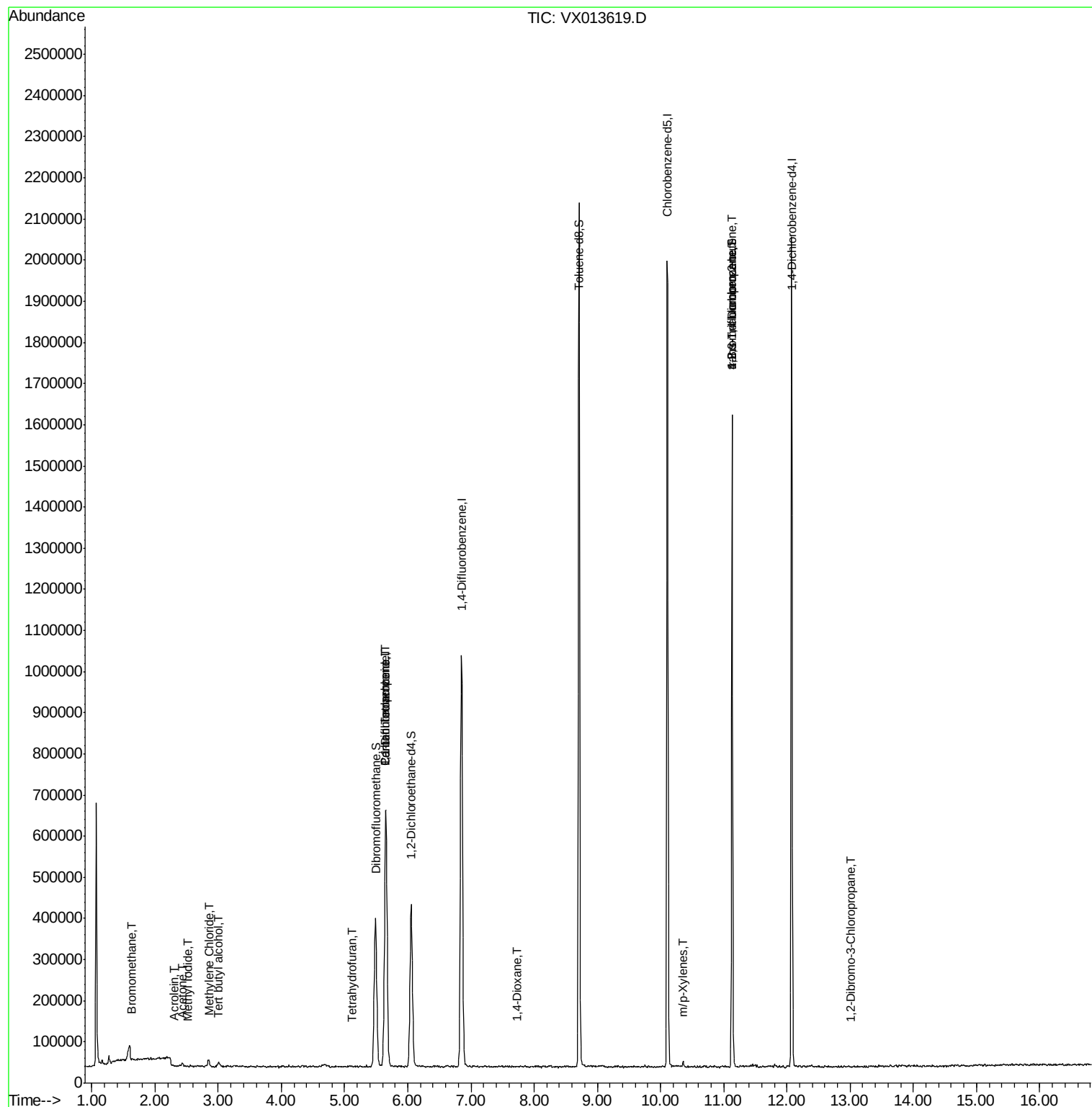
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2292	0.369	ug/l #	78
10) Methyl Iodide	2.51	142	2467	0.325	ug/l #	64
11) Tert butyl alcohol	3.00	59	9699	5.141	ug/l #	85
13) Acrolein	2.30	56	379	6.297	ug/l #	44
16) Acetone	2.43	43	8866	2.349	ug/l	98
20) Methylene Chloride	2.85	84	9938	1.371	ug/l #	91
29) Tetrahydrofuran	5.13	42	763	0.221	ug/l #	46
36) 1,1-Dichloropropene	5.65	75	43479	4.591	ug/l #	51
38) Carbon Tetrachloride	5.65	117	57870	6.627	ug/l #	16
49) 1,4-Dioxane	7.73	88	323	1.698	ug/l #	1
68) m/p-Xylenes	10.36	106	3700	0.292	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	201839	21.309	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	201839	58.298	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	543	0.243	ug/l #	37

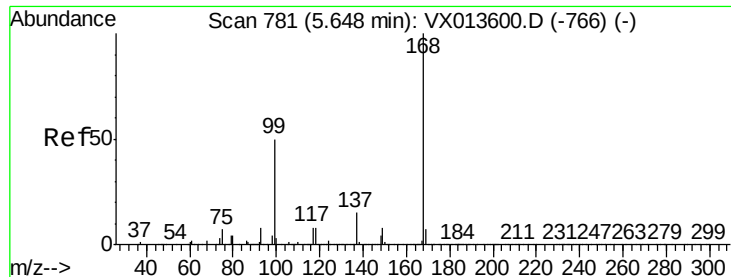
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

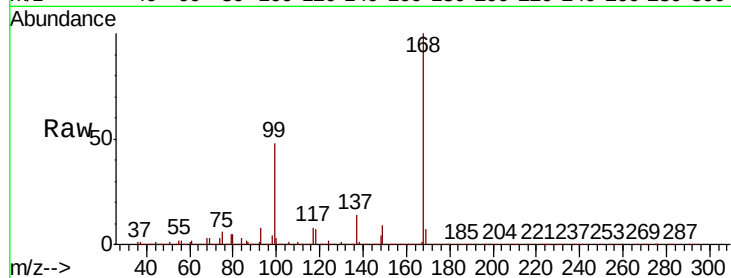
TB-01-20191121

Tot Ion:168 Resp: 658487

Ion Ratio Lower Upper

168 100

99 47.3 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

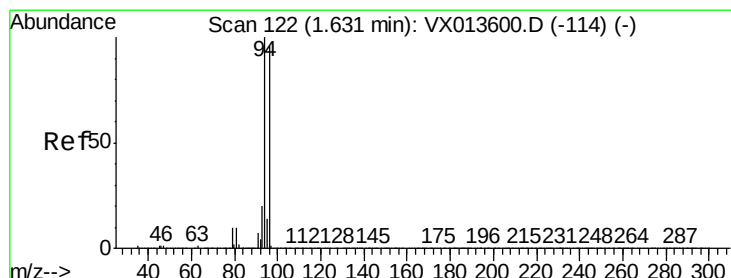
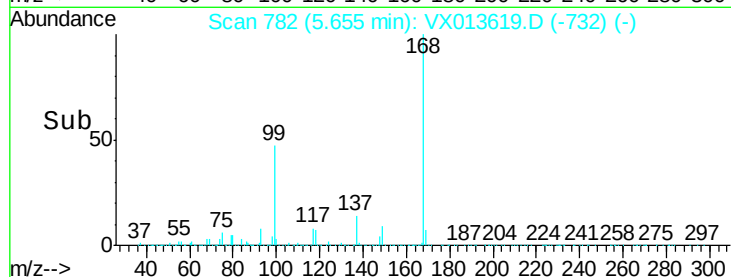
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.369 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013619.D

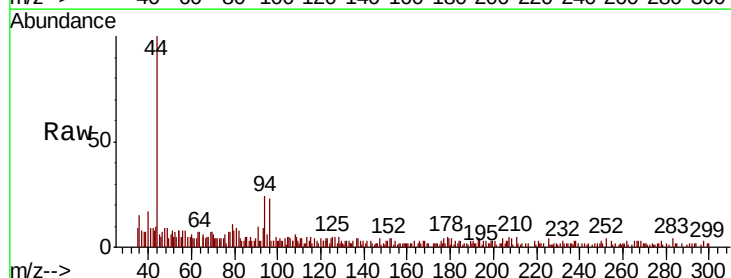
Acq: 26 Nov 2019 23:59

Tgt Ion: 94 Resp: 2292

Ion Ratio Lower Upper

94 100

96 74.4 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

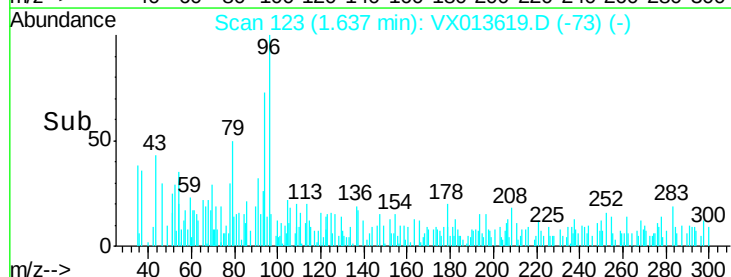
1500

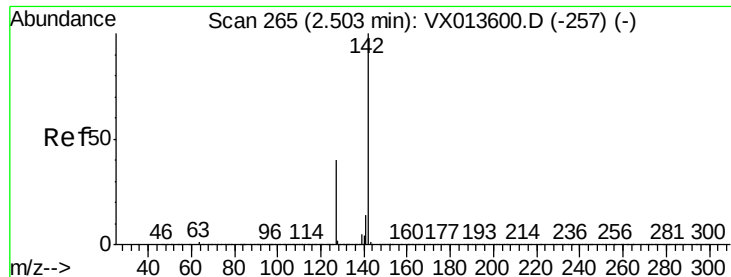
1000

500

0

Time-->

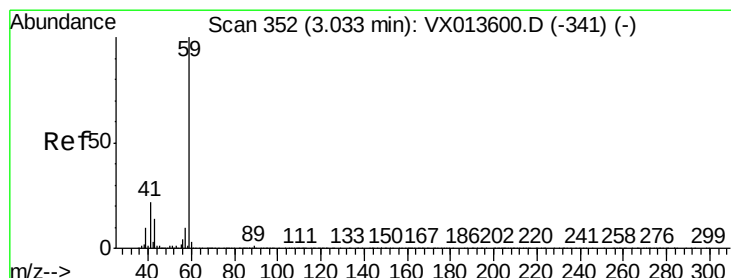
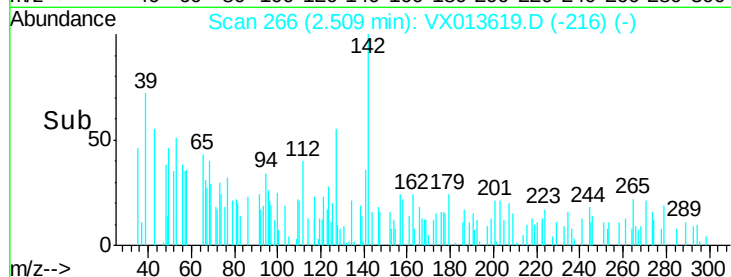
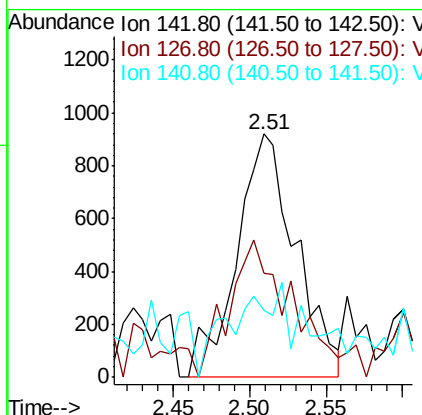
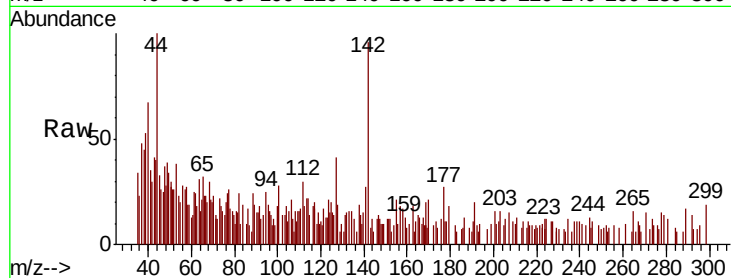




#10
Methvl Iodide
Concen: 0.325 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

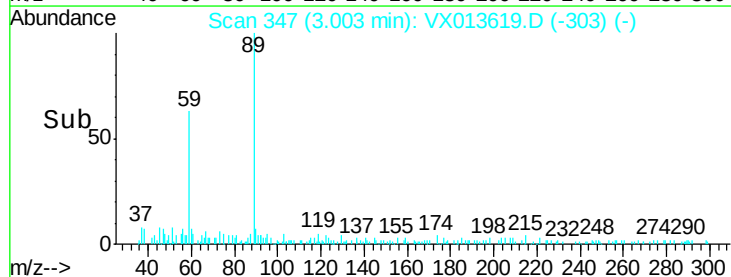
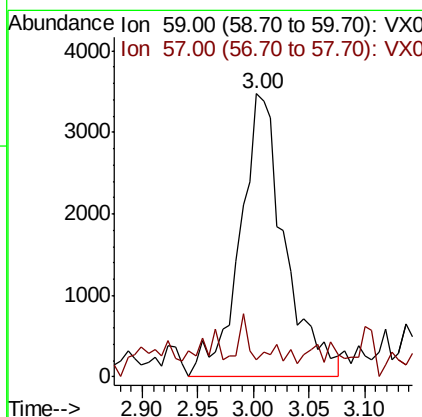
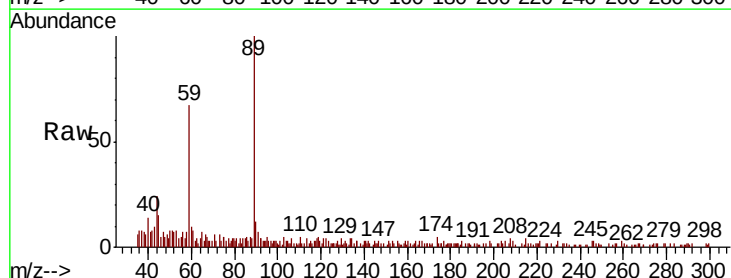
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20191121

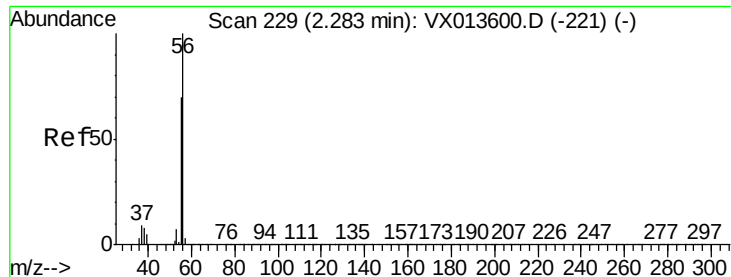
Tot Ion:142 Resp: 2467
Ion Ratio Lower Upper
142 100
127 62.2 31.0 46.4#
141 26.9 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.141 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

Tgt Ion: 59 Resp: 9699
Ion Ratio Lower Upper
59 100
57 4.2 7.8 11.6#

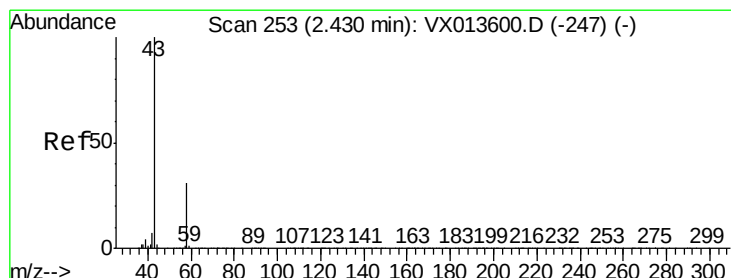
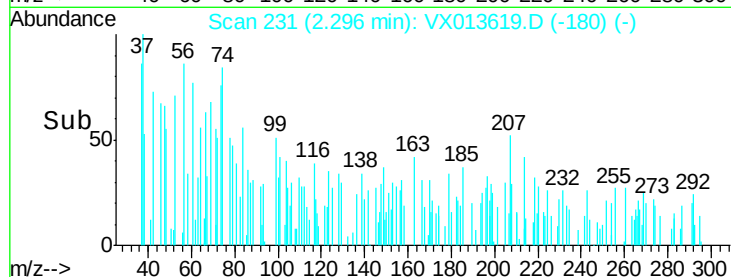
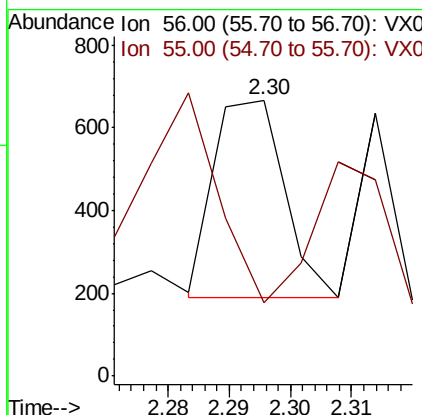
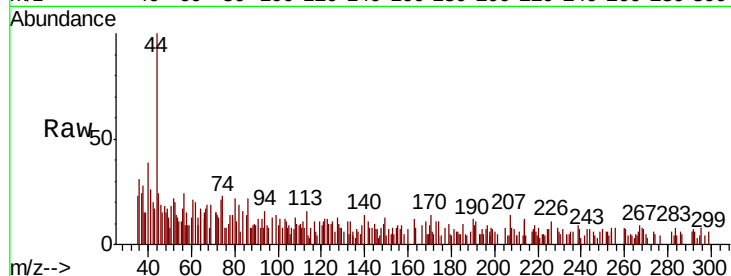




#13
Acrolein
Concen: 6.297 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

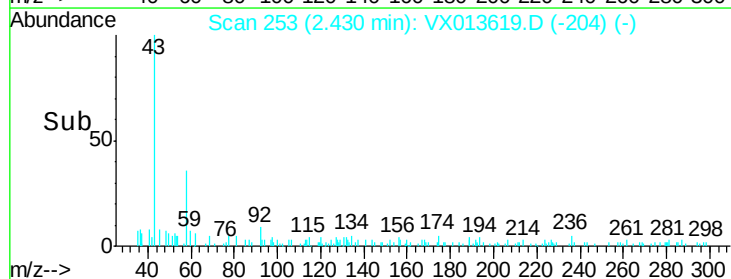
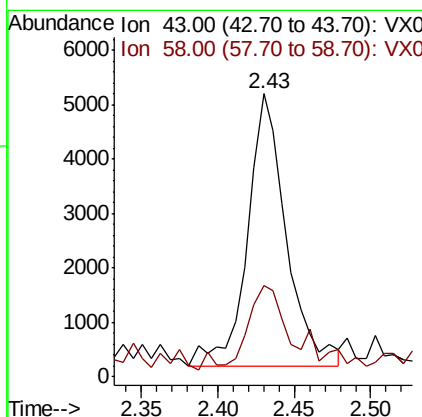
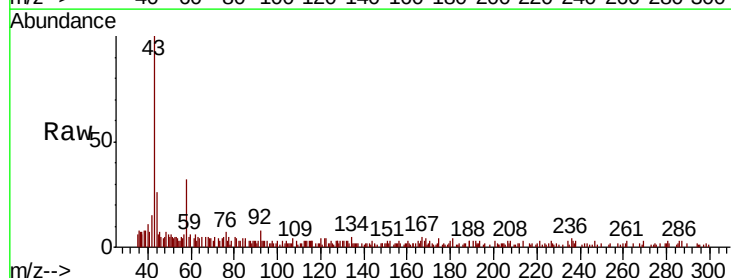
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20191121

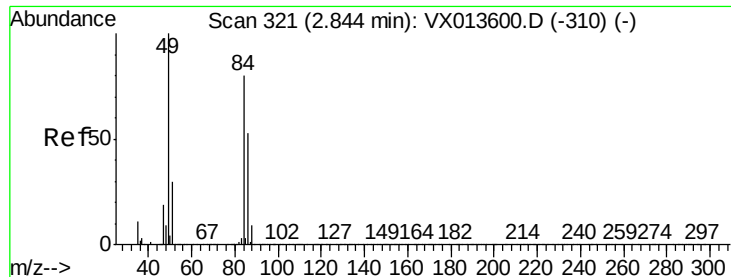
Tot Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 116.6 56.2 84.4#



#16
Acetone
Concen: 2.349 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

Tgt Ion: 43 Resp: 8866
Ion Ratio Lower Upper
43 100
58 29.4 24.6 36.8

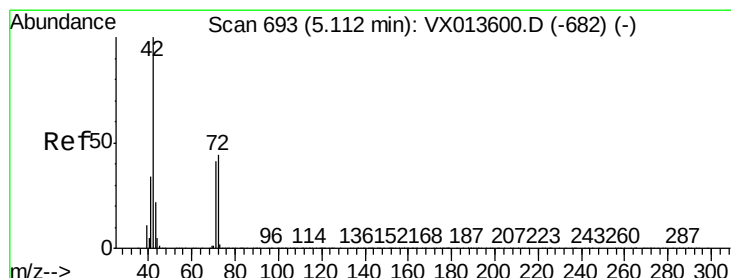
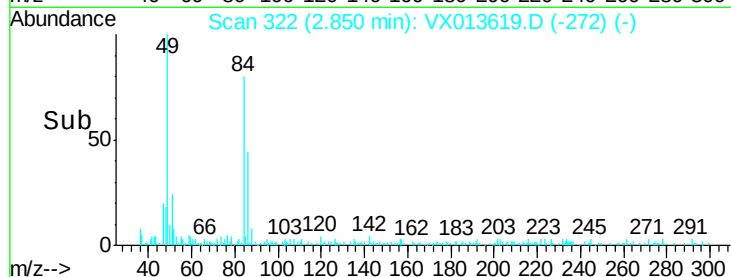
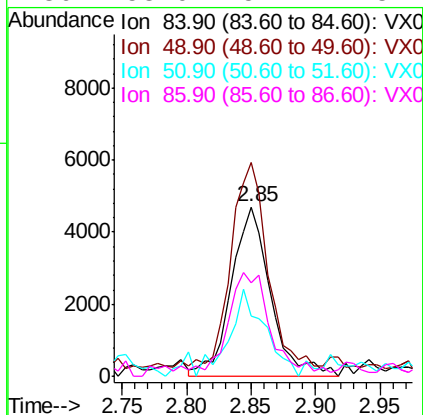
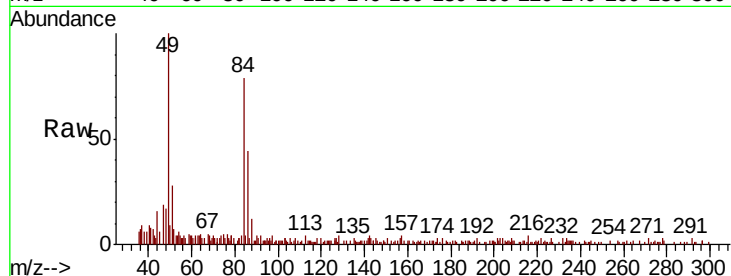




#20
Methylene Chloride
Concen: 1.371 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

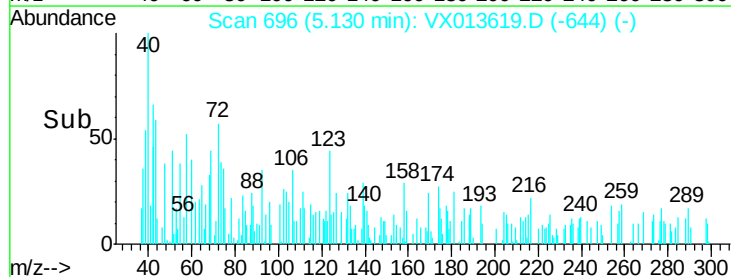
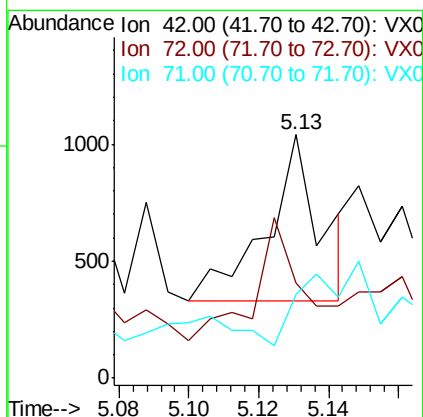
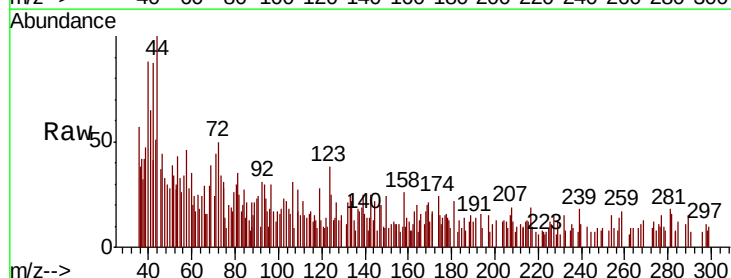
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20191121

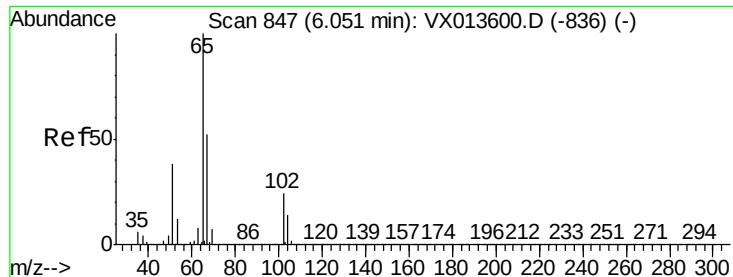
Tot Ion: 84 Resp: 9938
Ion Ratio Lower Upper
84 100
49 120.1 99.7 149.5
51 29.8 29.9 44.9#
86 53.0 52.2 78.4



#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

Tgt Ion: 42 Resp: 763
Ion Ratio Lower Upper
42 100
72 74.0 36.3 54.5#
71 0.0 33.2 49.8#

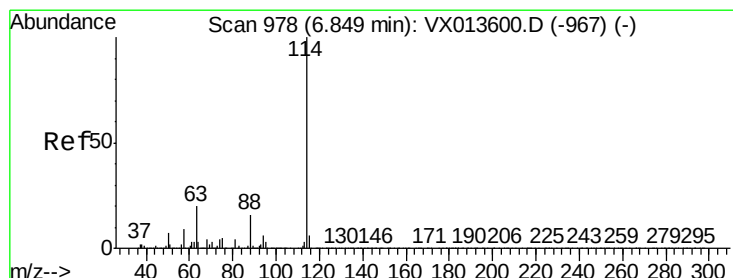
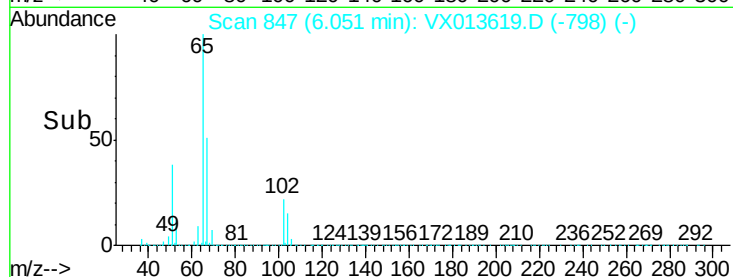
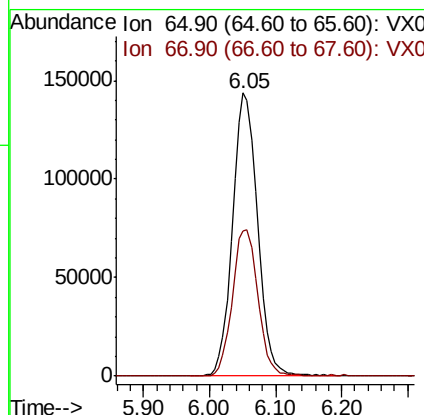
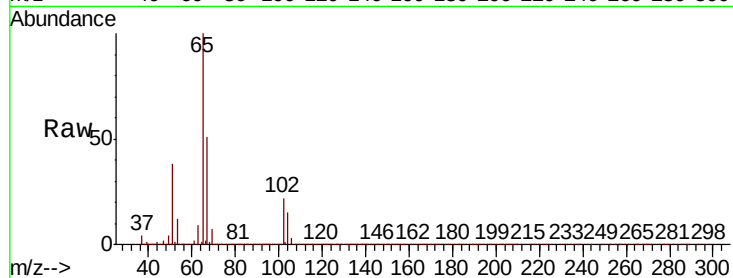




#33
 1,2-Dichloroethane-d4
 Concen: 49.053 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013619.D
 Acq: 26 Nov 2019 23:59

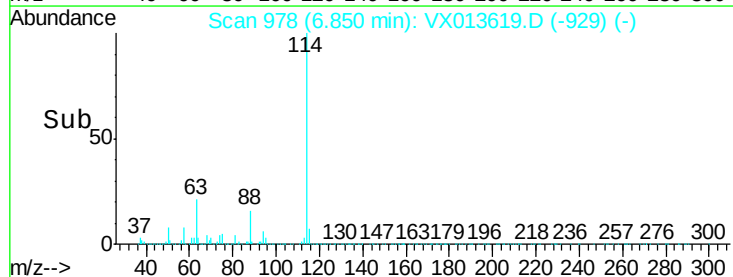
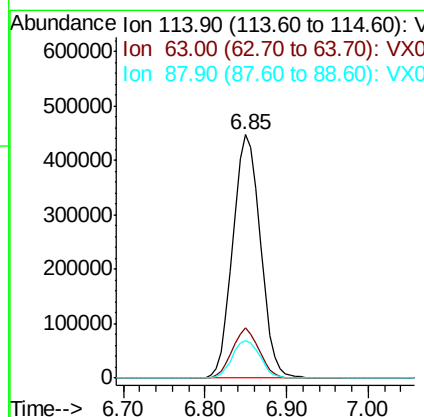
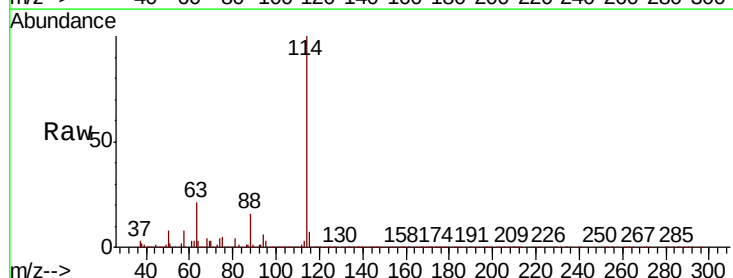
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20191121

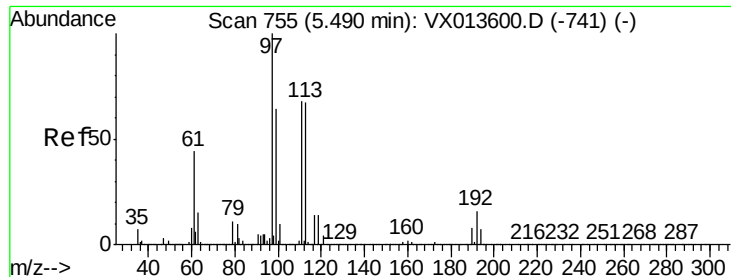
Tot Ion: 65 Resp: 374942
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013619.D
 Acq: 26 Nov 2019 23:59

Tgt Ion: 114 Resp: 1043344
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.066 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20191121

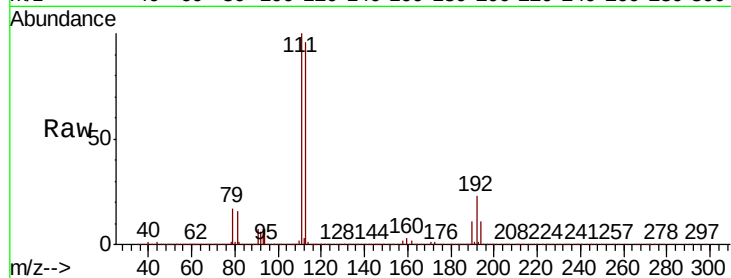
Tot Ion:113 Resp: 310029

Ion Ratio Lower Upper

113 100

111 102.5 83.6 125.4

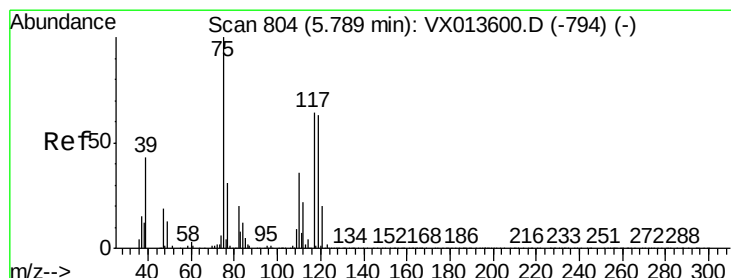
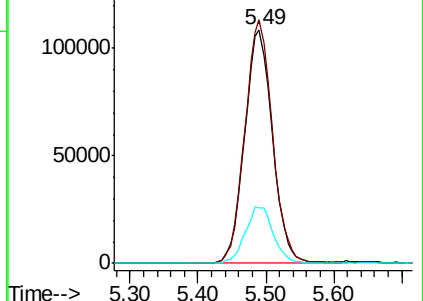
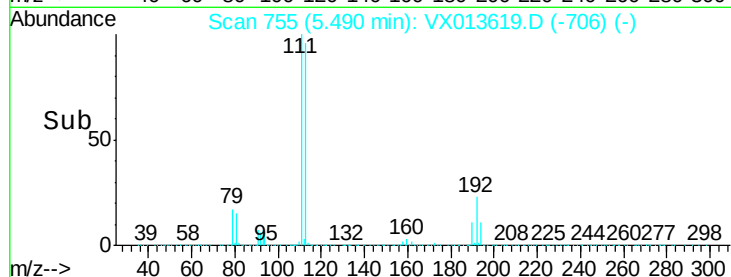
192 24.1 19.2 28.8



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: 4.591 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

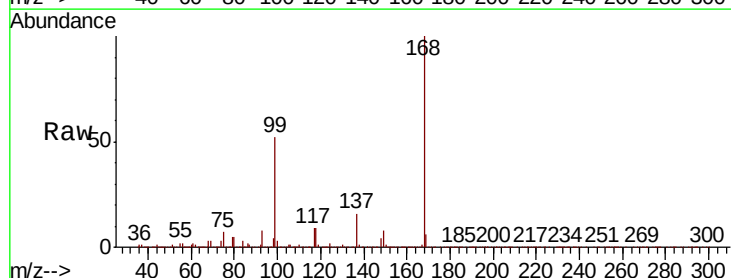
Tgt Ion: 75 Resp: 43479

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

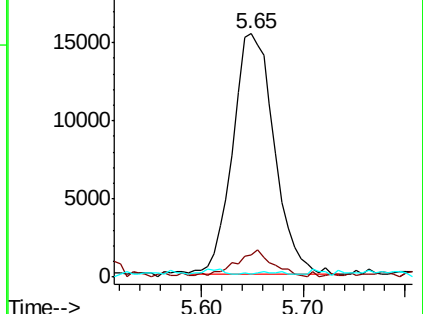
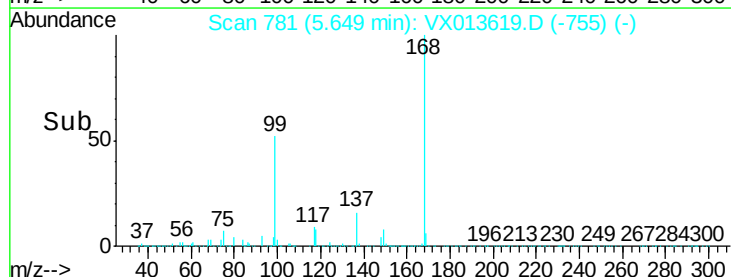
77 0.7 24.5 36.7#

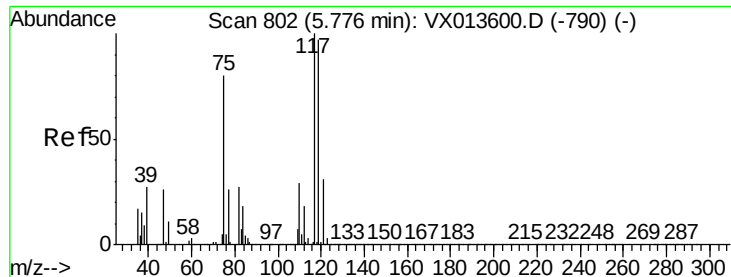


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.627 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20191121

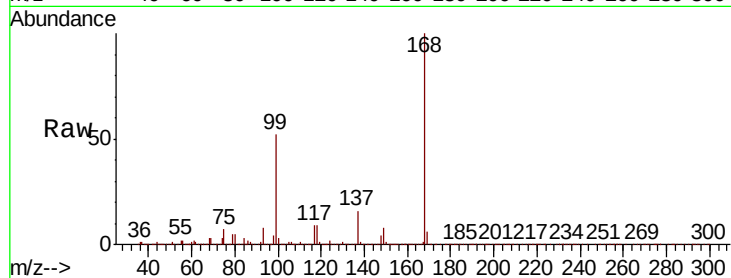
Tot Ion:117 Resp: 57870

Ion Ratio Lower Upper

117 100

119 5.2 77.5 116.3#

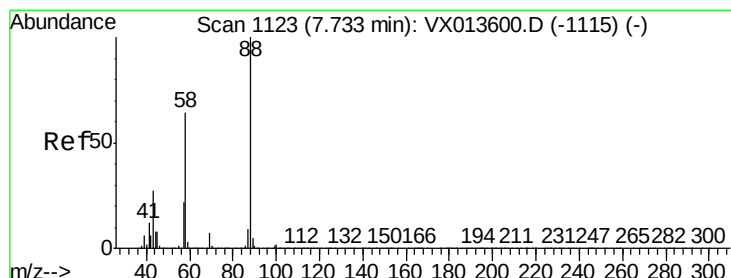
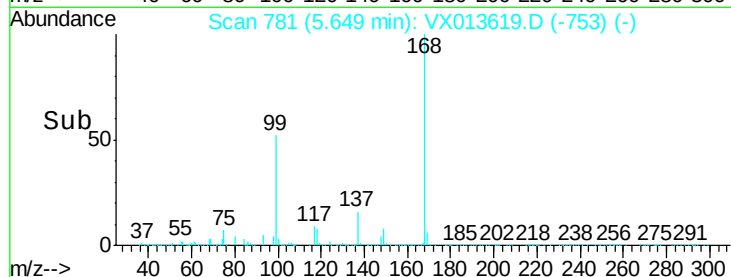
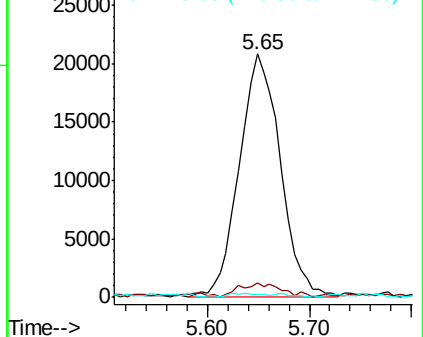
121 0.0 25.0 37.6#



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: 1.698 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

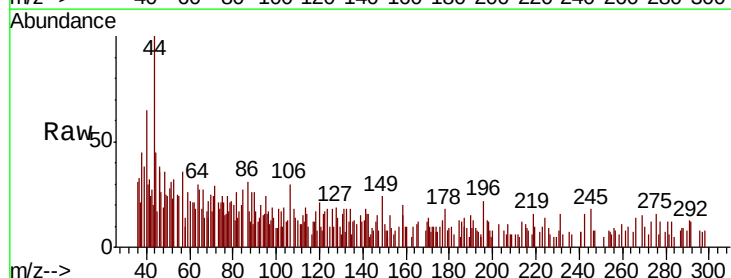
Tgt Ion: 88 Resp: 323

Ion Ratio Lower Upper

88 100

43 365.3 25.8 38.6#

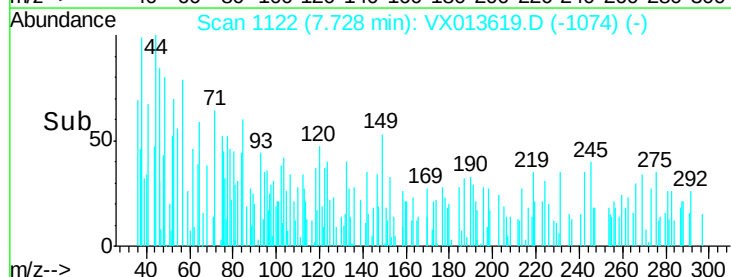
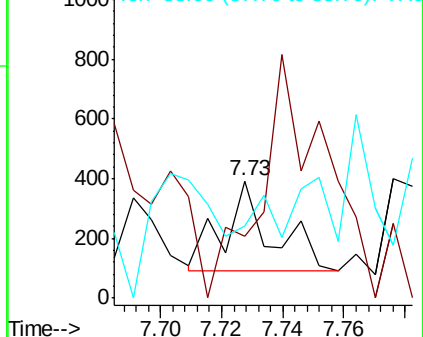
58 0.0 54.6 82.0#

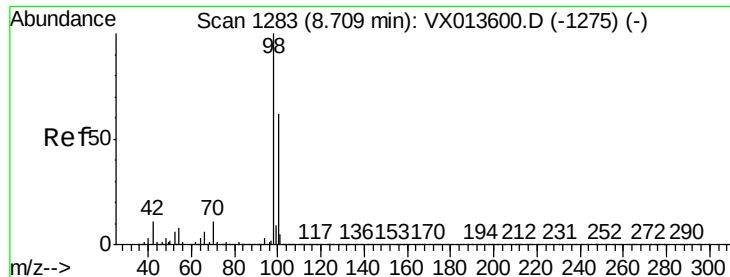


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.107 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

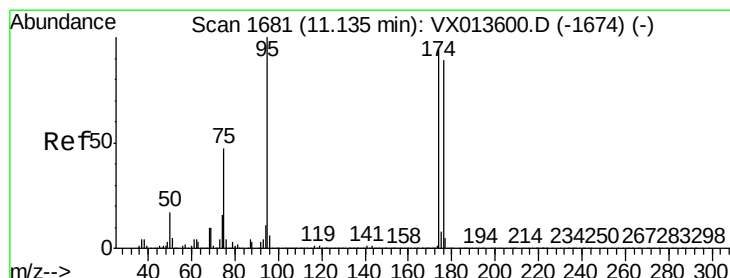
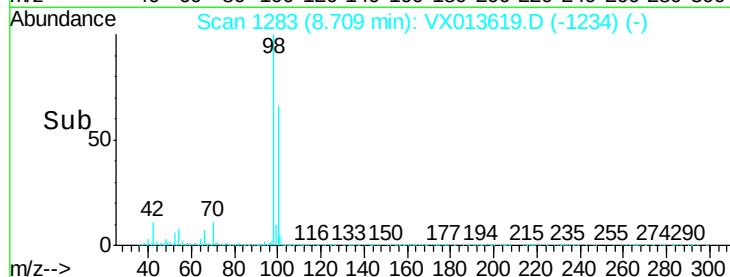
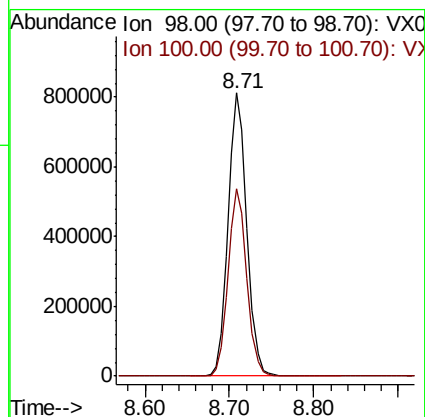
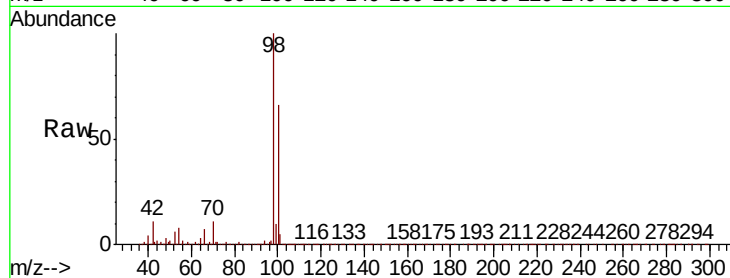
TB-01-20191121

Tot Ion: 98 Resp: 1234064

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.542 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

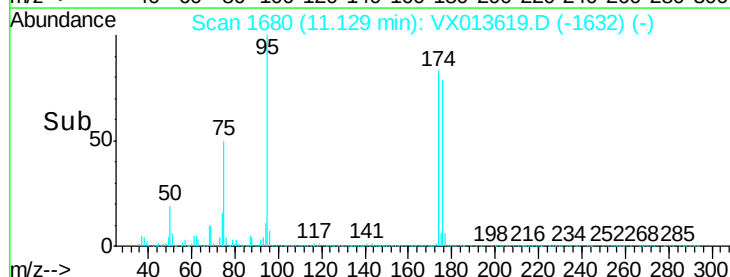
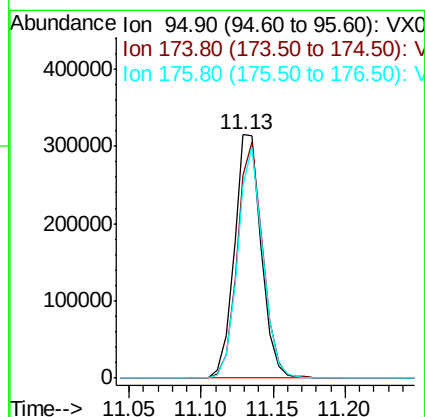
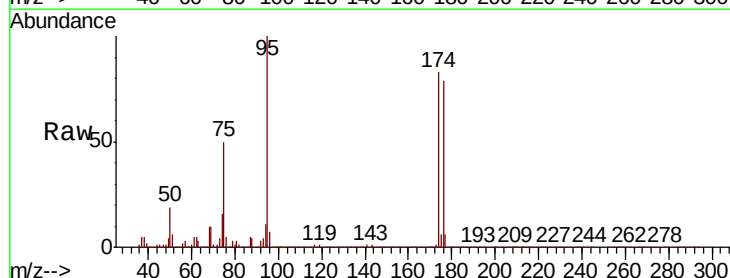
Tgt Ion: 95 Resp: 412700

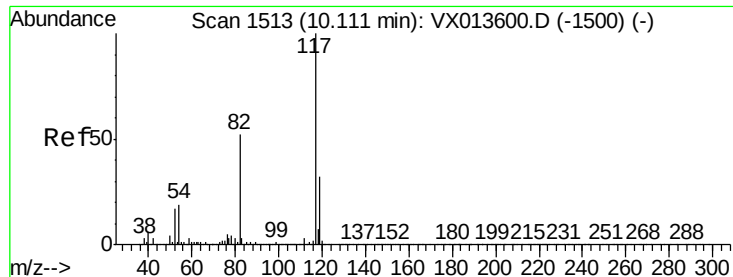
Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.0

176 88.3 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013619.D

Acq: 26 Nov 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20191121

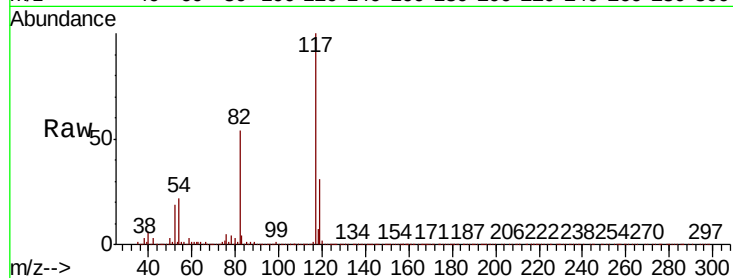
Tot Ion:117 Resp: 928748

Ion Ratio Lower Upper

117 100

82 54.0 41.8 62.8

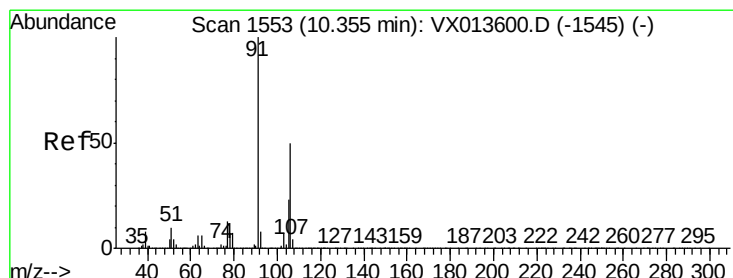
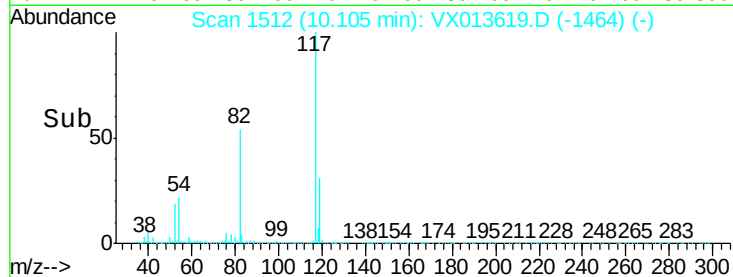
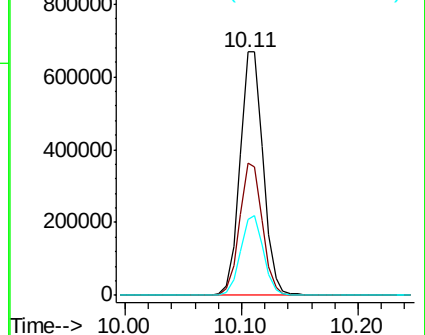
119 31.2 25.8 38.8



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



#68

m/p-Xylenes

Concen: 0.292 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013619.D

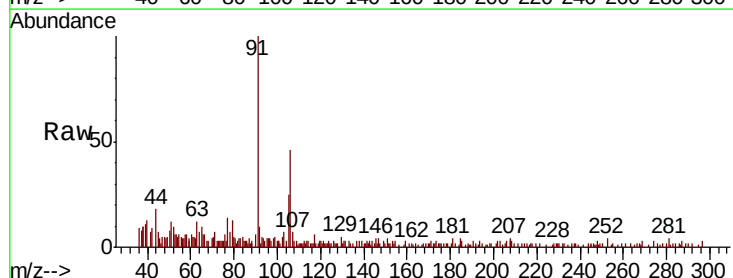
Acq: 26 Nov 2019 23:59

Tgt Ion:106 Resp: 3700

Ion Ratio Lower Upper

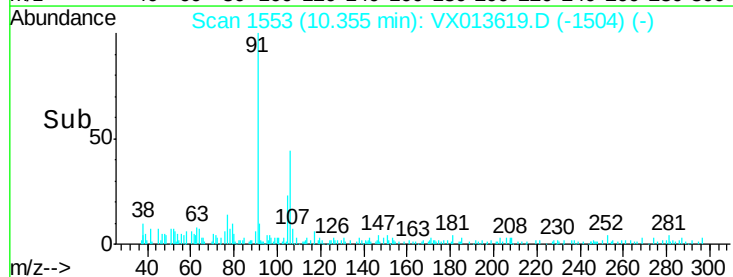
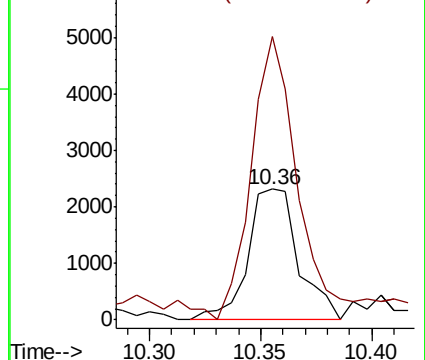
106 100

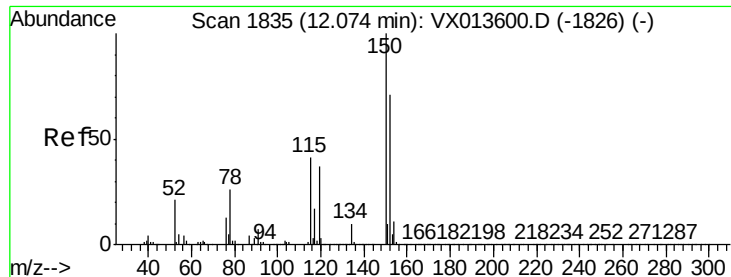
91 195.6 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

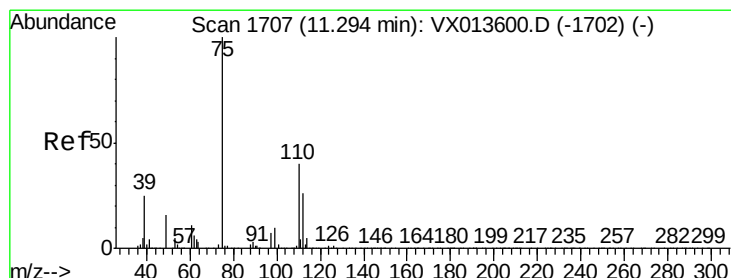
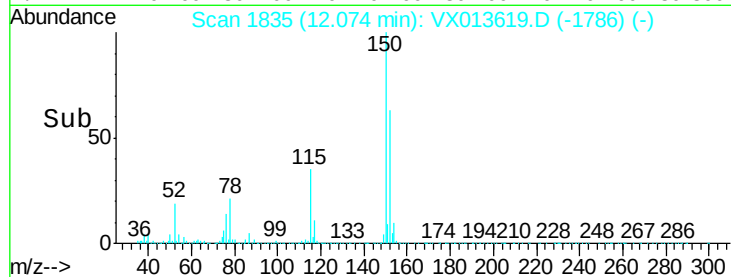
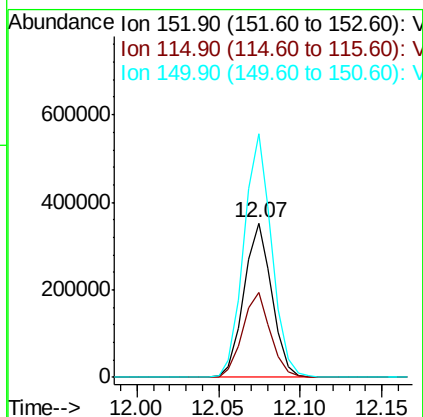
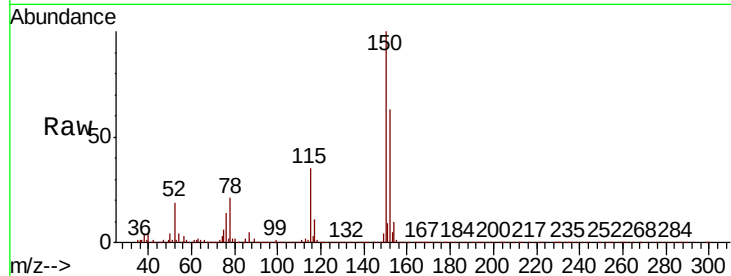




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX013619.D
 Acq: 26 Nov 2019 23:59

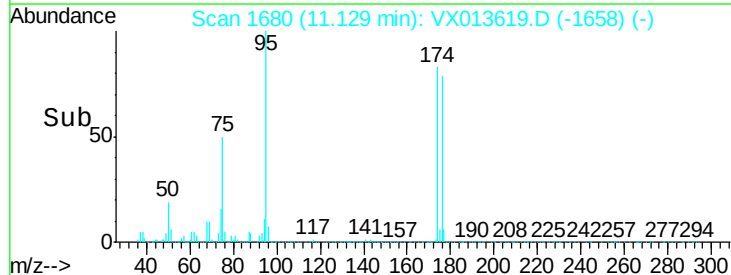
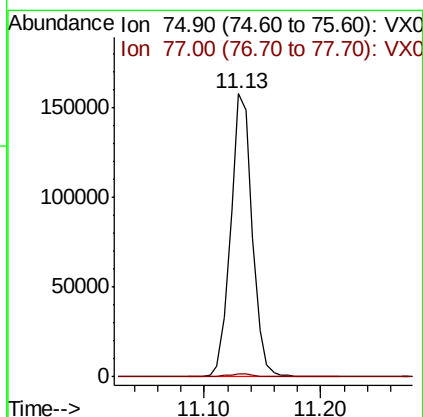
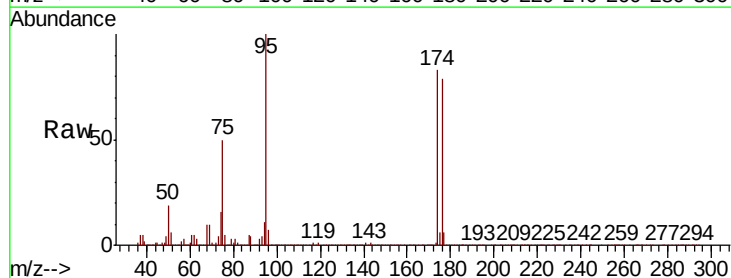
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20191121

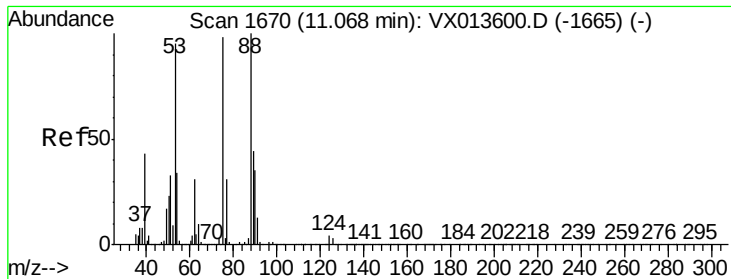
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.4	115.1
150	157.4	0.0	346.8



#76
 1,2,3-Trichloropropane
 Concen: 21.309 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013619.D
 Acq: 26 Nov 2019 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.1	57.5#

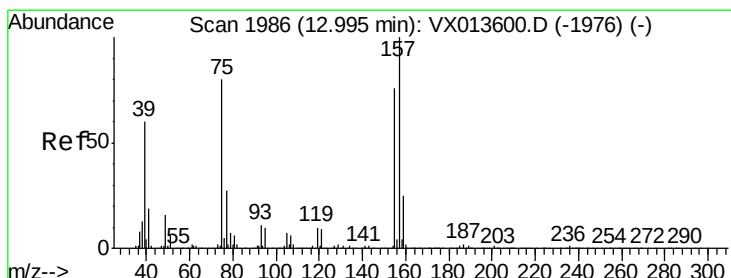
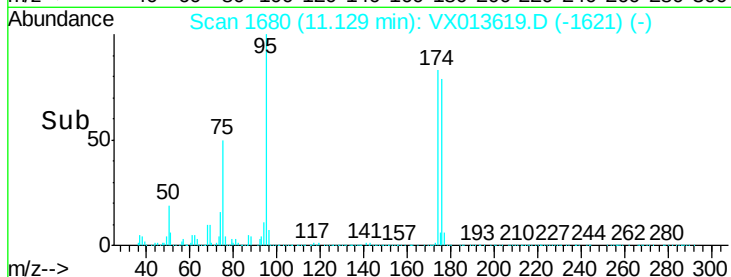
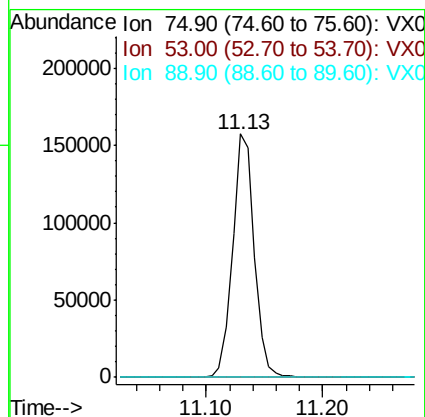
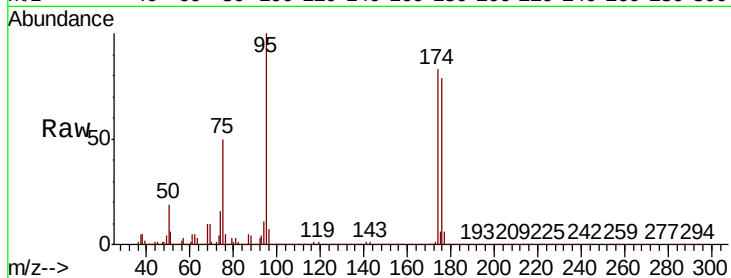




#81
trans-1,4-Dichloro-2-butene
Concen: 58.298 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
TB-01-20191121

Tot Ion: 75 Resp: 201839
Ion Ratio Lower Upper
75 100
53 0.3 78.2 117.2#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.243 ug/l
RT: 13.01 min Scan# 1988
Delta R.T. 0.01 min
Lab File: VX013619.D
Acq: 26 Nov 2019 23:59

Tgt Ion: 75 Resp: 543
Ion Ratio Lower Upper
75 100
155 33.5 47.6 142.8#
157 53.6 62.1 186.2#

