

Data File : VX013946.D
Acq On : 11 Dec 2019 15:58
Operator : JC/SP
Sample : K6237-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-01-191209

Quant Time: Dec 12 04:01:45 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	565935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	887431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	791517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	339421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	325696	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	5.49	113	262004	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	8.71	98	1047021	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.14	95	344180	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

Target Compounds

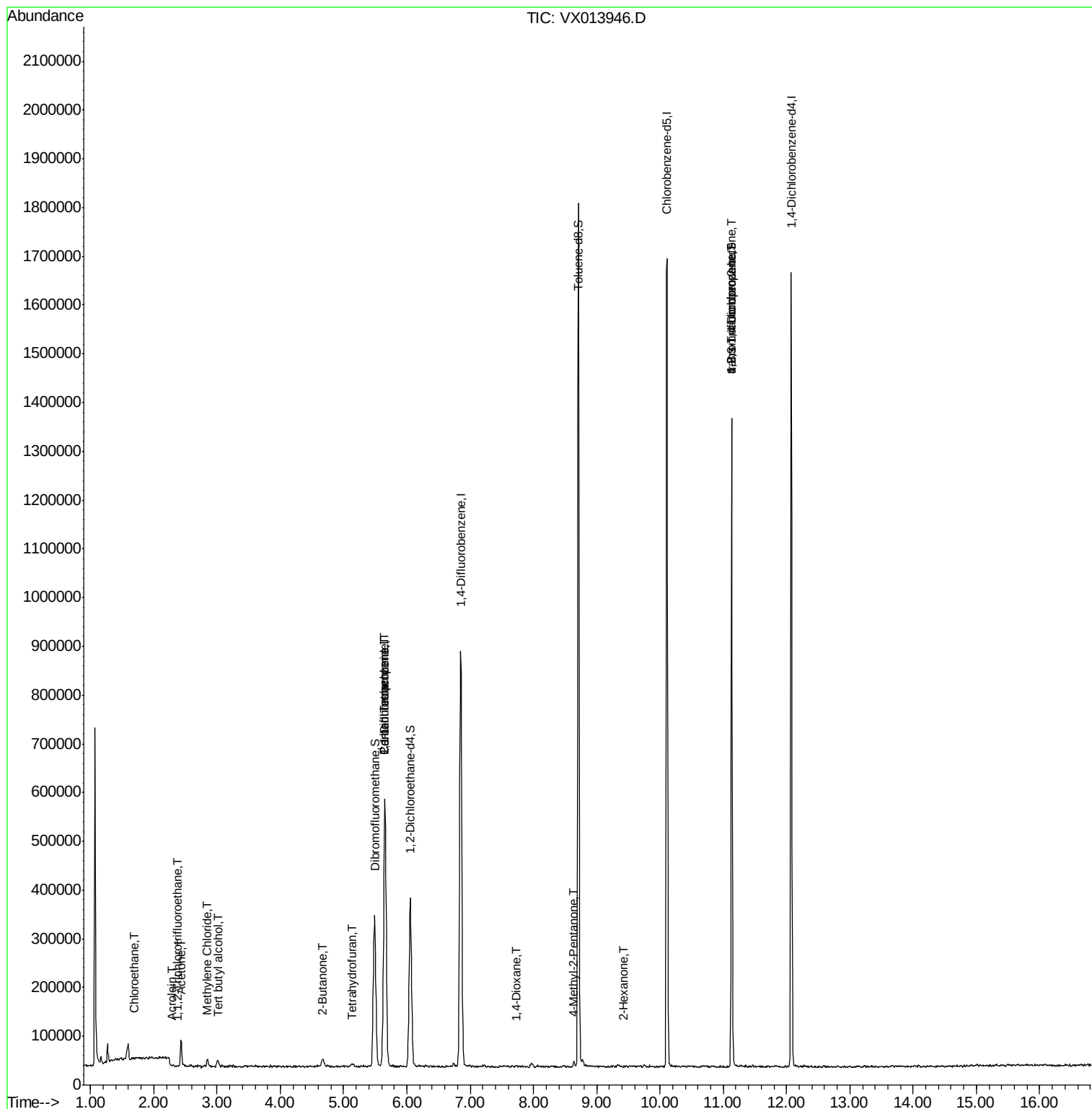
						Qvalue
6) Chloroethane	1.69	64	941	0.208	ug/l #	61
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1137	0.211	ug/l #	18
11) Tert butyl alcohol	3.01	59	11001	6.784	ug/l #	94
13) Acrolein	2.28	56	424	6.385	ug/l #	15
16) Acetone	2.43	43	62135	19.158	ug/l	97
20) Methylene Chloride	2.84	84	8060	1.294	ug/l #	86
25) 2-Butanone	4.67	43	24446	5.072	ug/l #	88
29) Tetrahydrofuran	5.14	42	5178	1.743	ug/l #	73
36) 1,1-Dichloropropene	5.65	75	38256	4.749	ug/l #	52
38) Carbon Tetrachloride	5.65	117	49907	6.719	ug/l #	15
49) 1,4-Dioxane	7.73	88	237	1.465	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	7096	0.758	ug/l	95
59) 2-Hexanone	9.43	43	1484	0.203	ug/l	80
76) 1,2,3-Trichloropropane	11.14	75	167358	21.922	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	167358	59.975	ug/l #	11

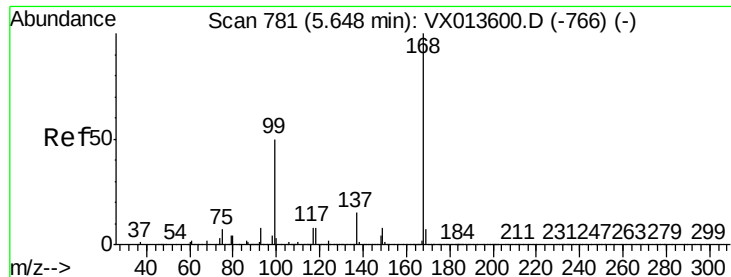
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013946.D

Acq: 11 Dec 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

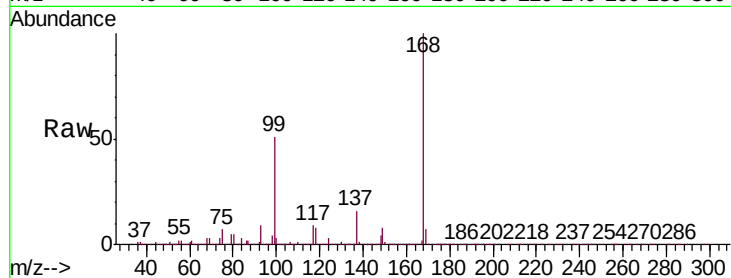
TB-01-191209

Tgt Ion:168 Resp: 565935

Ion Ratio Lower Upper

168 100

99 51.1 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

200000

150000

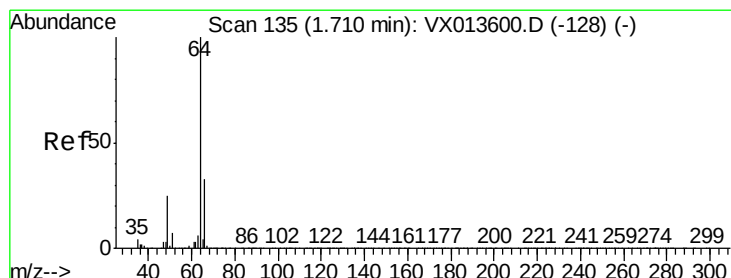
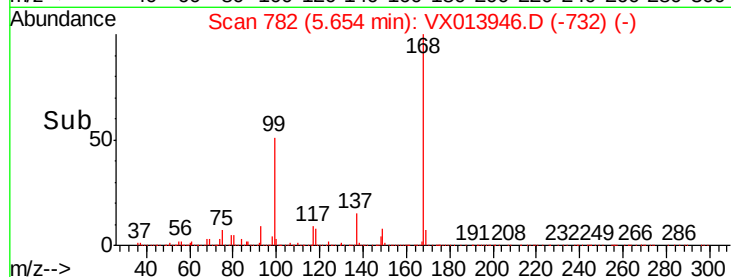
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.208 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX013946.D

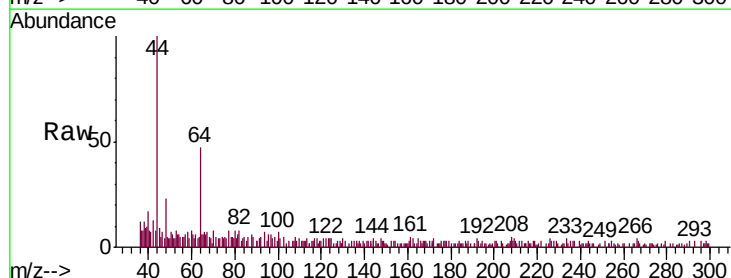
Acq: 11 Dec 2019 15:58

Tgt Ion: 64 Resp: 941

Ion Ratio Lower Upper

64 100

66 55.7 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

2500

2000

1500

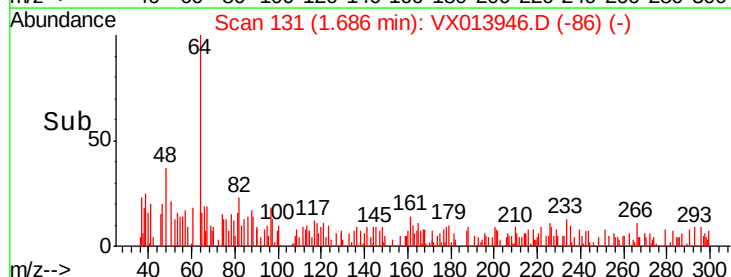
1000

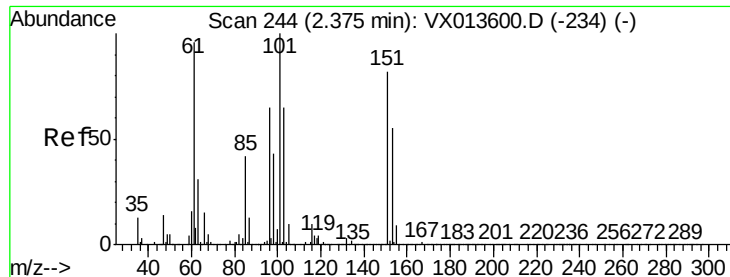
500

0

Time-->

1.66 1.68 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.211 ug/l

RT: 2.39 min Scan# 246

Delta R.T. 0.01 min

Lab File: VX013946.D

Acq: 11 Dec 2019 15:58

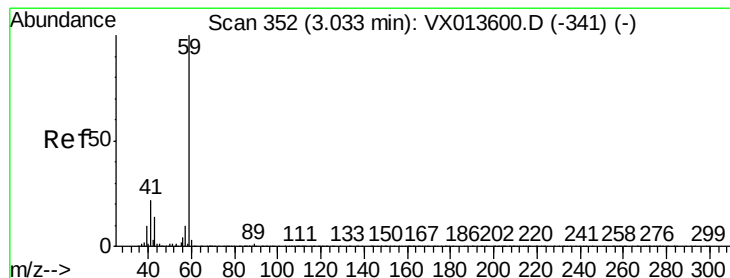
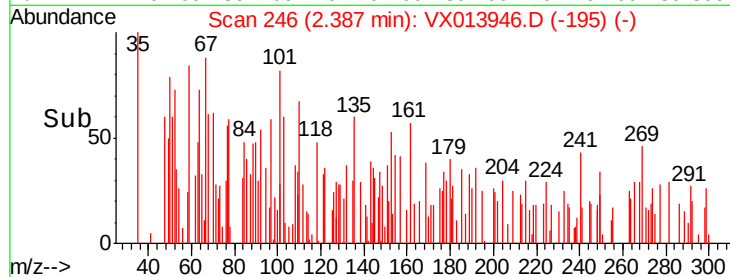
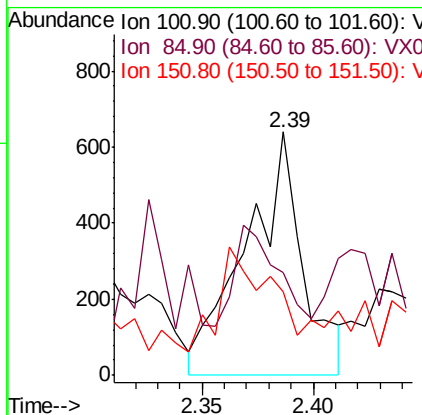
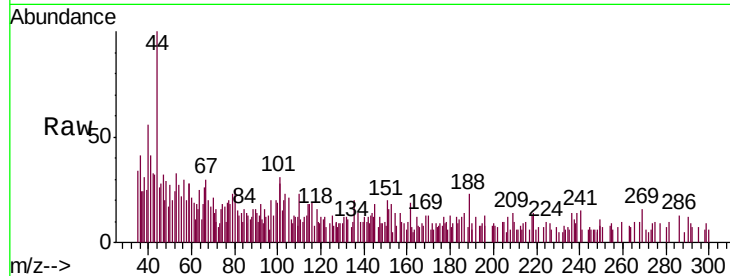
Instrument :

MSVOA_X

ClientSampleId :

TB-01-191209

Tgt Ion:	101	Resp:	1137
Ion Ratio	Lower	Upper	
101	100		
85	0.0	33.9	50.9#
151	0.0	64.2	96.2#



#11

Tert butyl alcohol

Concen: 6.784 ug/l

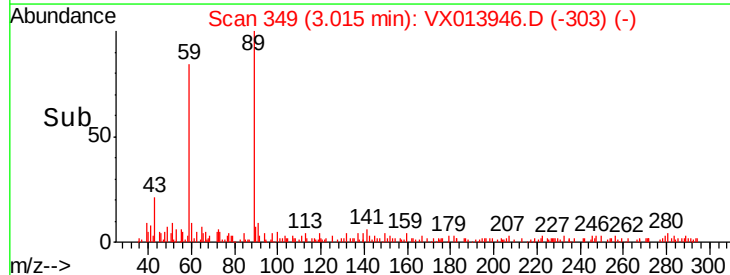
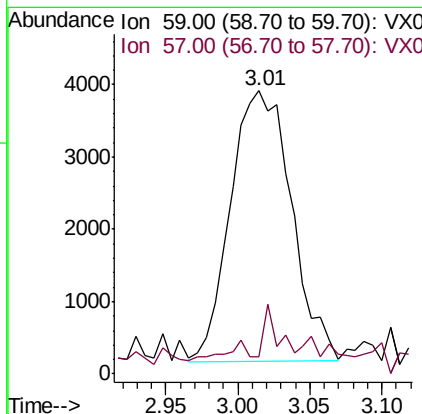
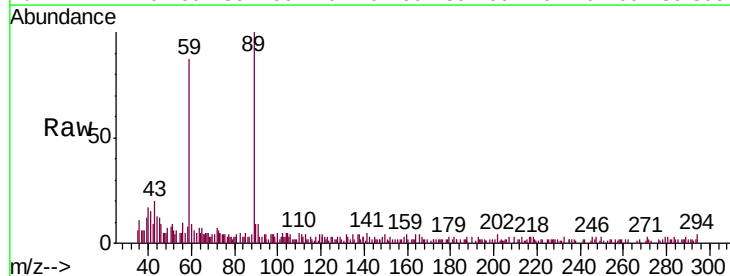
RT: 3.01 min Scan# 349

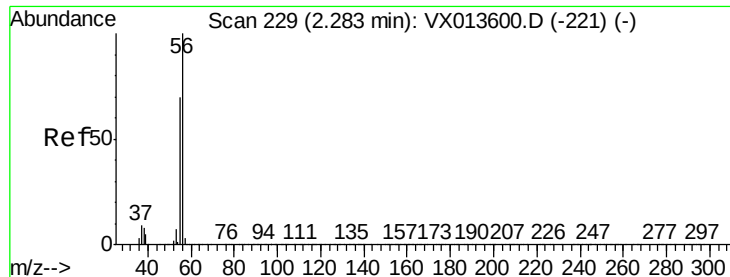
Delta R.T. -0.02 min

Lab File: VX013946.D

Acq: 11 Dec 2019 15:58

Tgt Ion:	59	Resp:	11001
Ion Ratio	Lower	Upper	
59	100		
57	7.3	7.8	11.6#

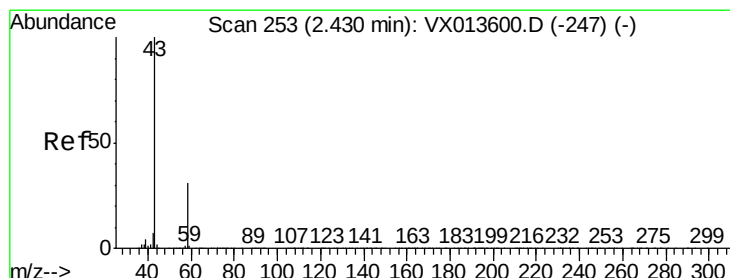
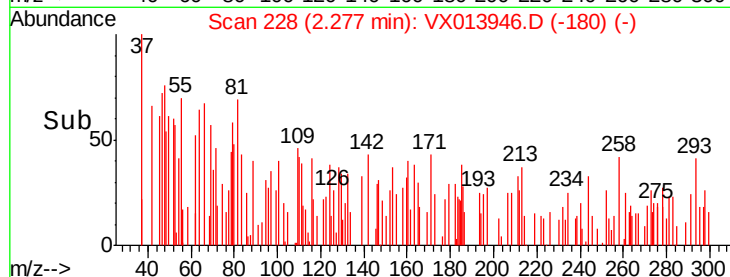
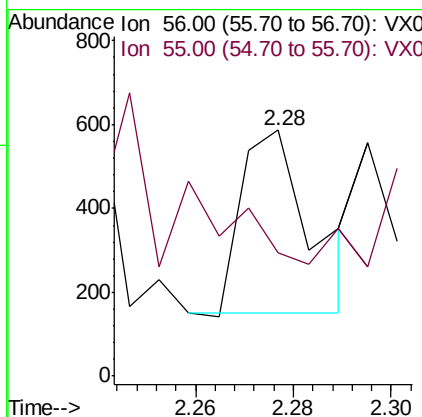
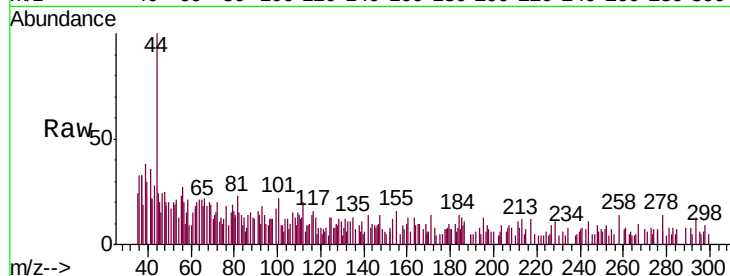




#13
Acrolein
Concen: 6.385 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

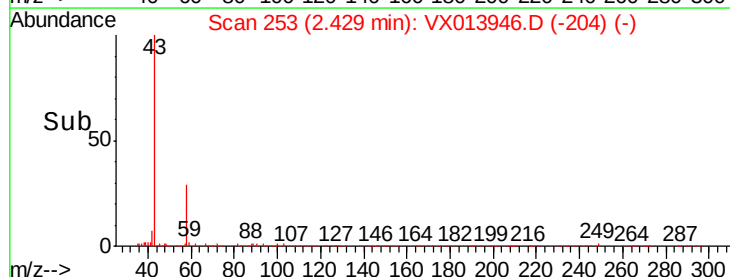
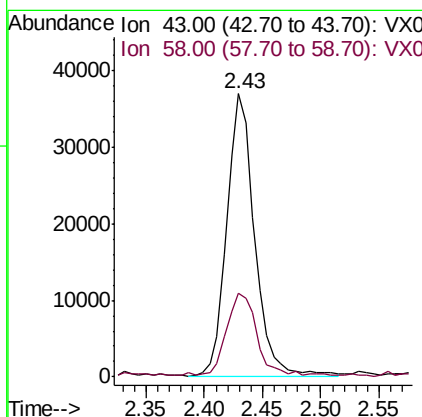
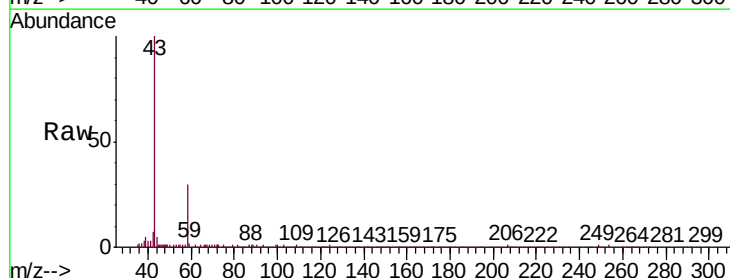
Instrument :
MSVOA_X
ClientSampleId :
TB-01-191209

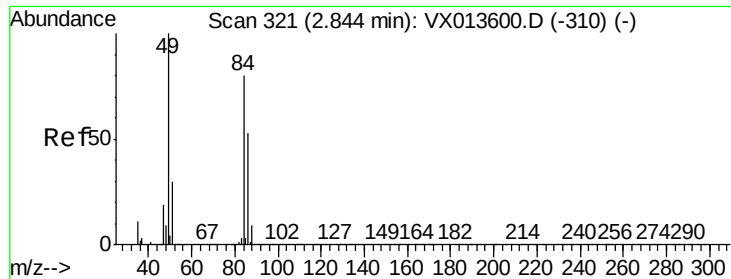
Tgt Ion: 56 Resp: 424
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 19.158 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

Tgt Ion: 43 Resp: 62135
Ion Ratio Lower Upper
43 100
58 28.8 24.6 36.8

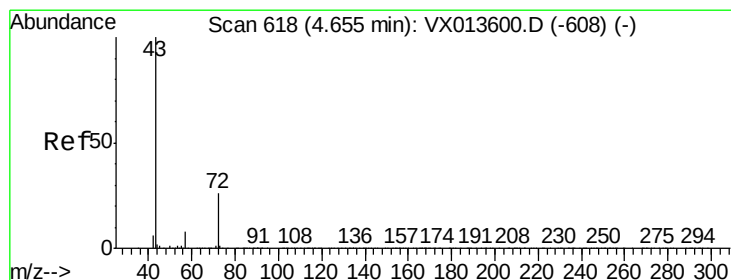
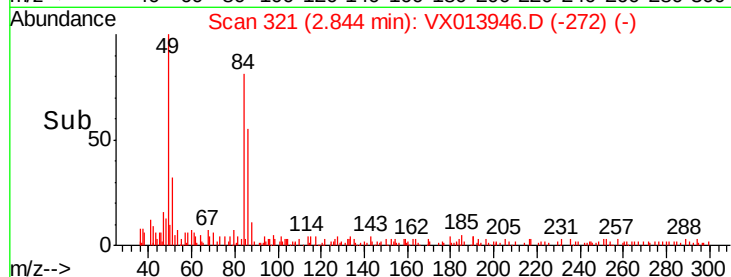
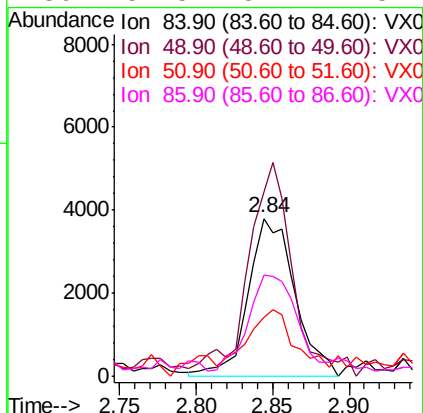
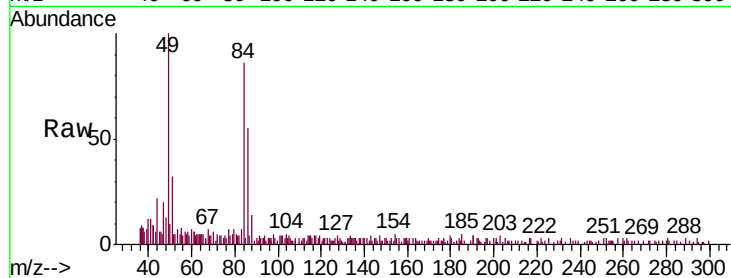




#20
Methylene Chloride
Concen: 1.294 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

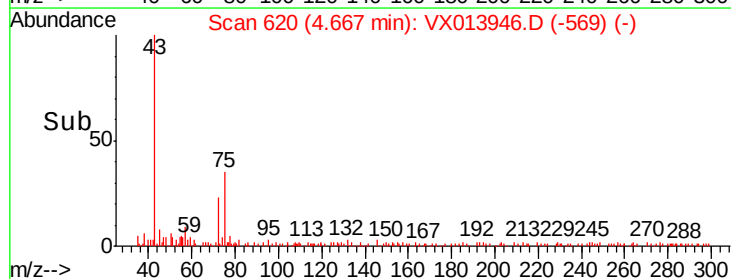
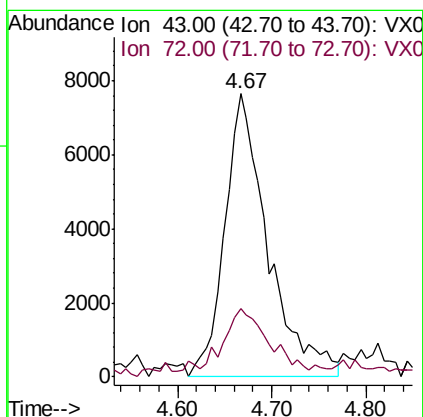
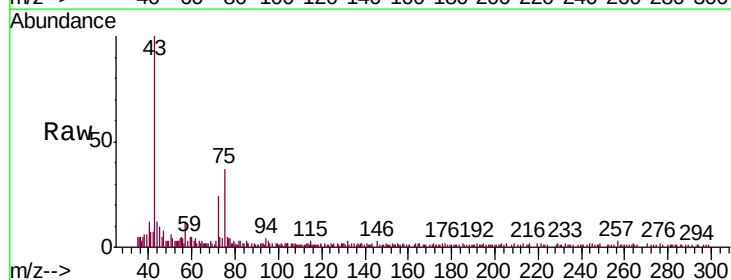
Instrument :
MSVOA_X
ClientSampleId :
TB-01-191209

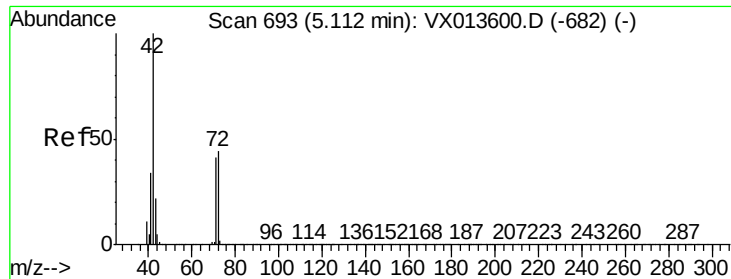
Tgt Ion:	84	Resp:	8060
Ion	Ratio	Lower	Upper
84	100		
49	107.6	99.7	149.5
51	28.7	29.9	44.9#
86	54.5	52.2	78.4



#25
2-Butanone
Concen: 5.072 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

Tgt Ion:	43	Resp:	24446
Ion	Ratio	Lower	Upper
43	100		
72	19.8	20.6	31.0#





#29

Tetrahydrofuran

Concen: 1.743 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.03 min

Lab File: VX013946.D

Acq: 11 Dec 2019 15:58

Instrument :

MSVOA_X

ClientSampled :

TB-01-191209

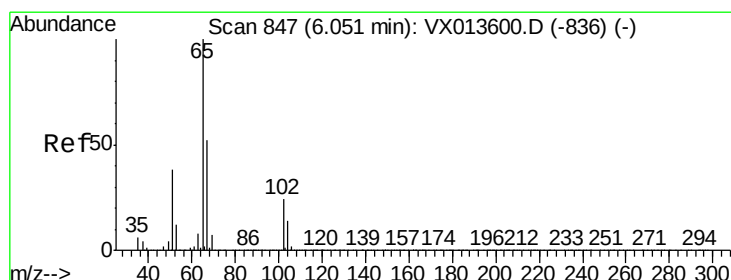
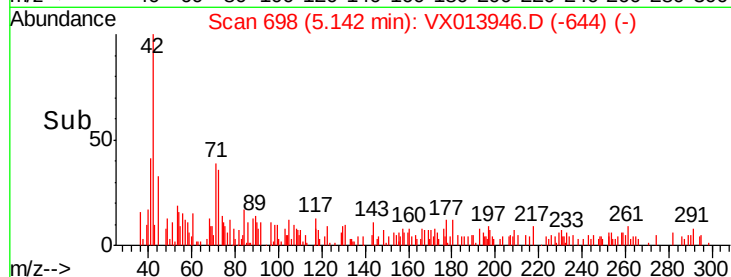
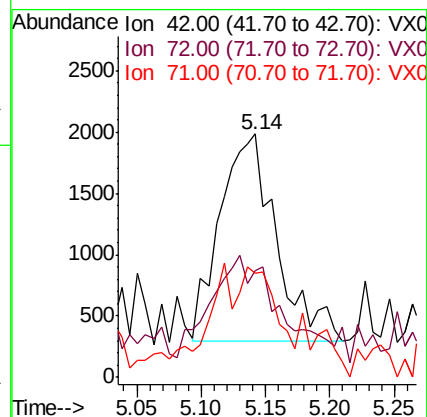
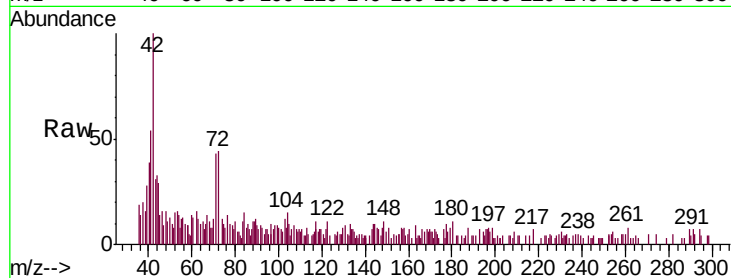
Tgt Ion: 42 Resp: 5178

Ion Ratio Lower Upper

42 100

72 57.7 36.3 54.5#

71 19.4 33.2 49.8#



#33

1,2-Dichloroethane-d4

Concen: 49.579 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013946.D

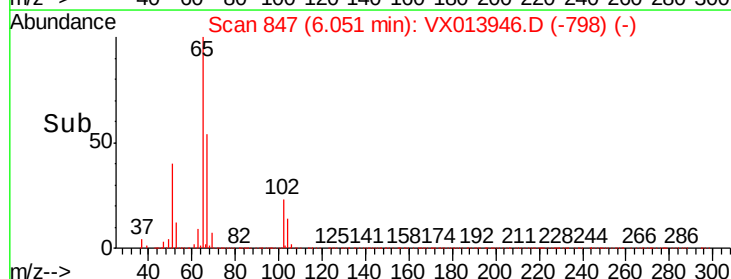
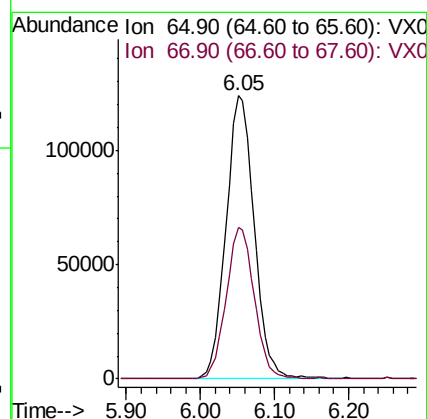
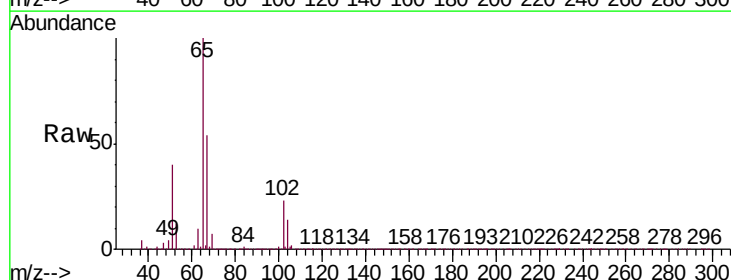
Acq: 11 Dec 2019 15:58

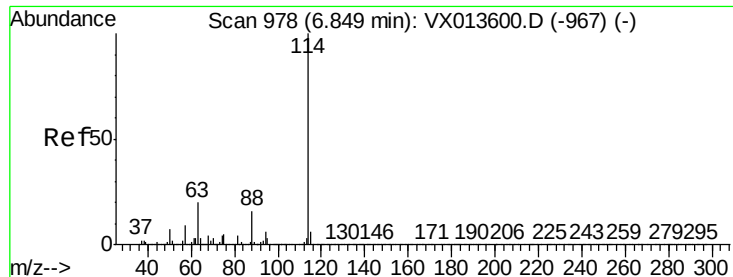
Tgt Ion: 65 Resp: 325696

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.4

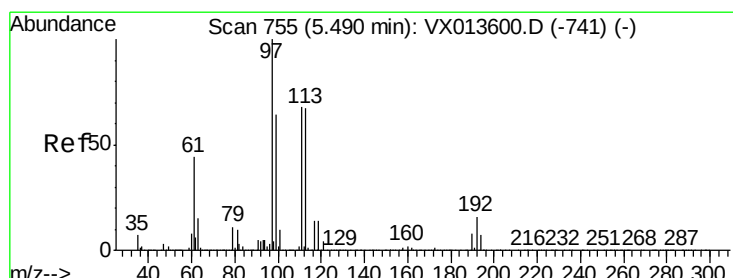
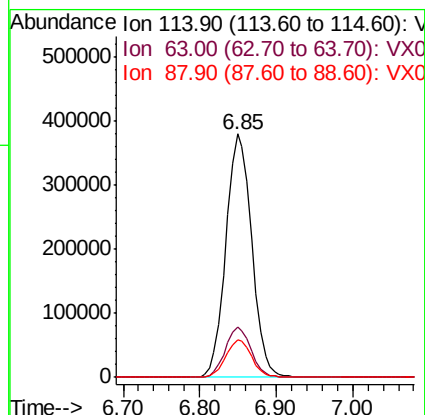
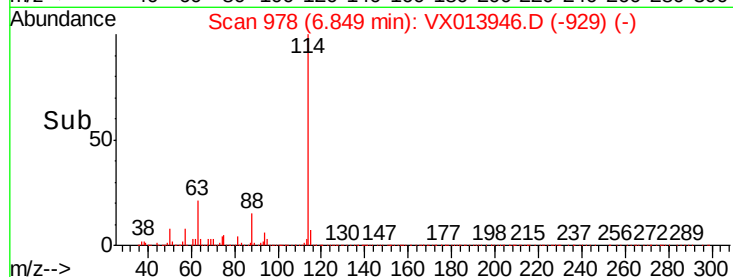
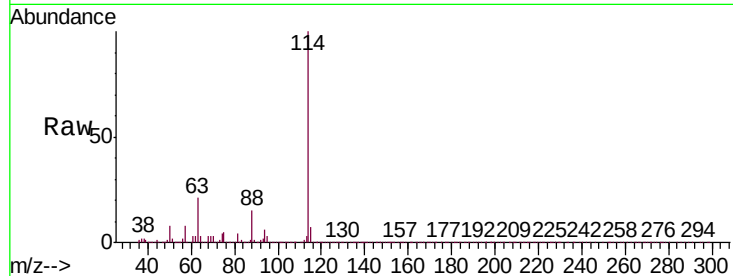




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

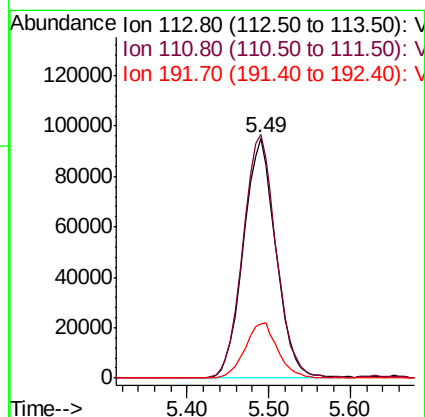
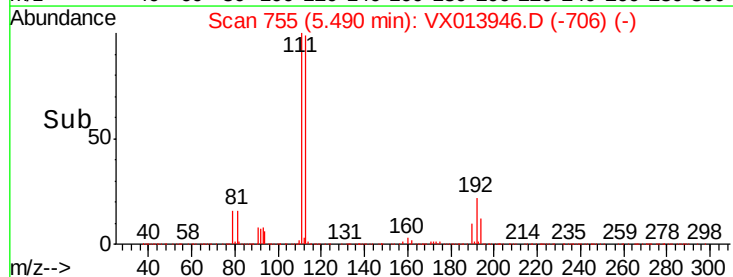
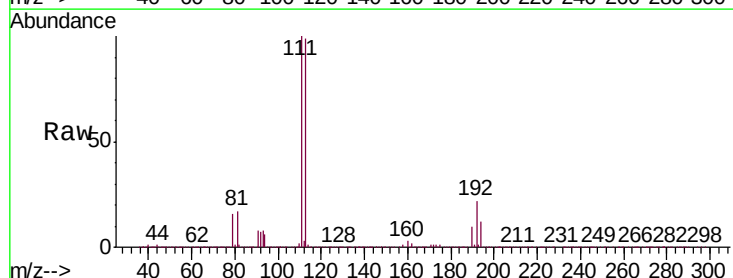
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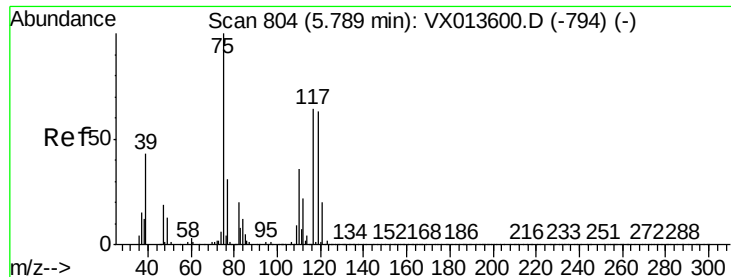
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.6
88	15.3	0.0	31.4



#35
Dibromofluoromethane
Concen: 47.757 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.6	125.4
192	23.2	19.2	28.8

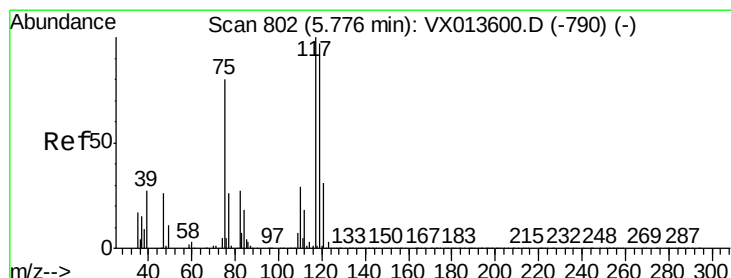
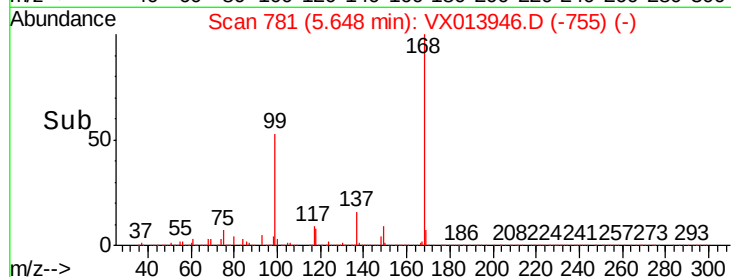
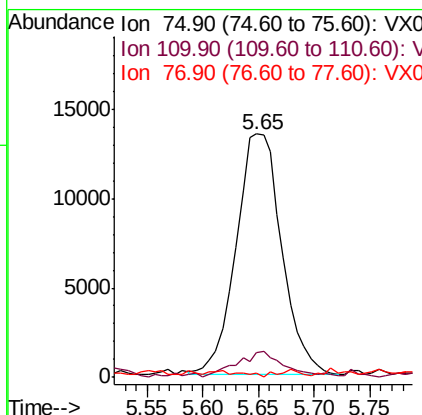
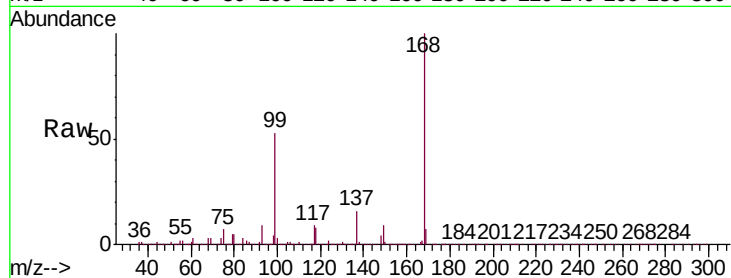




#36
 1,1-Dichloropropene
 Concen: 4.749 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013946.D
 Acq: 11 Dec 2019 15:58

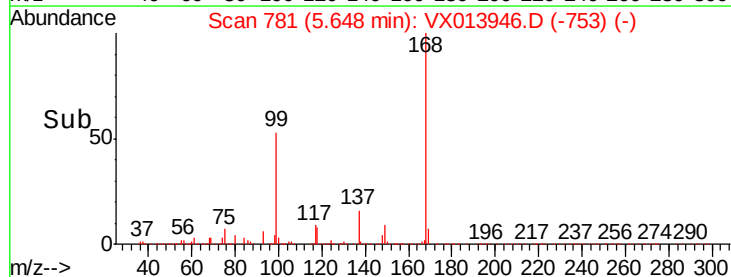
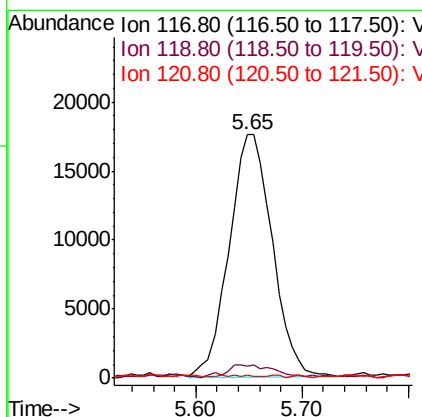
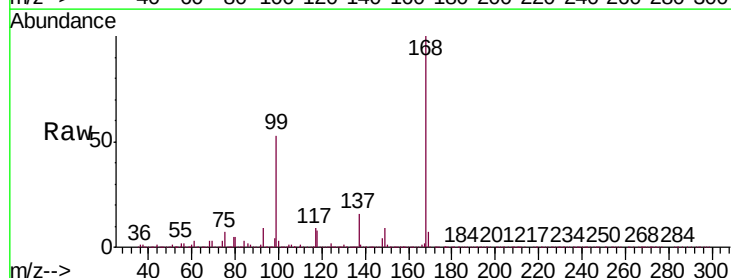
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-191209

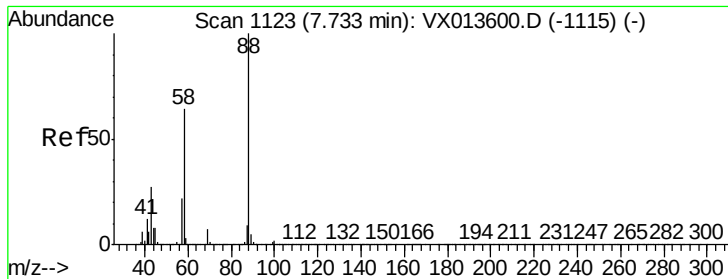
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.1#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.719 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013946.D
 Acq: 11 Dec 2019 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.5	116.3#
121	0.2	25.0	37.6#





#49

1,4-Dioxane

Concen: 1.465 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013946.D

Acq: 11 Dec 2019 15:58

Instrument :

MSVOA_X

ClientSampled :

TB-01-191209

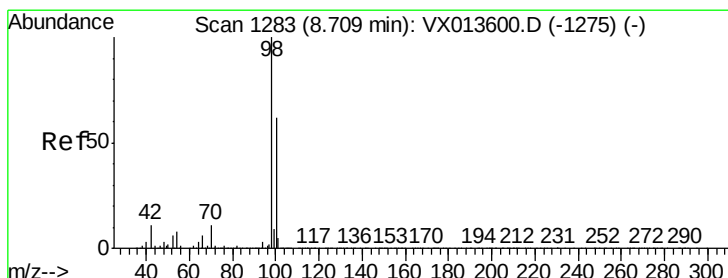
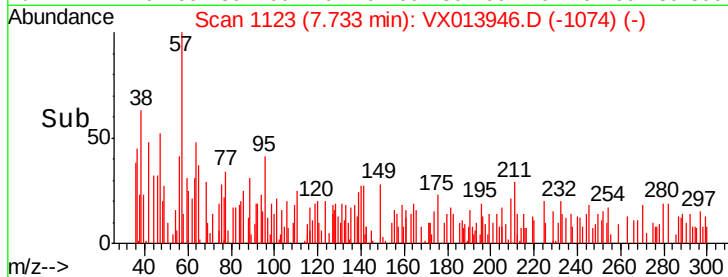
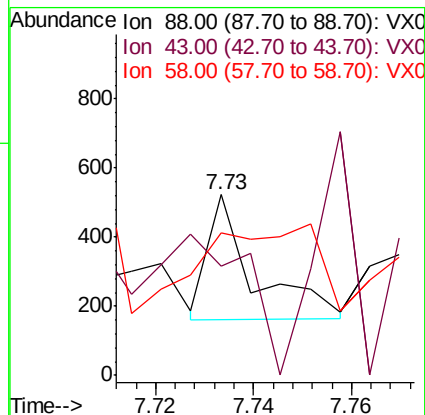
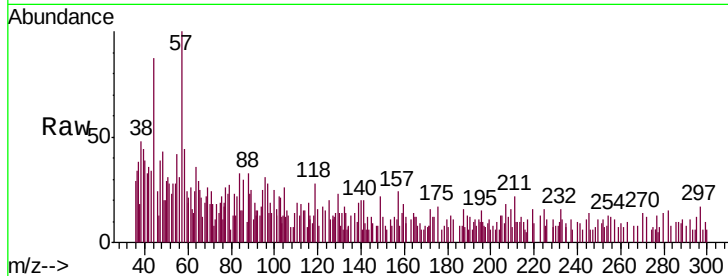
Tgt Ion: 88 Resp: 237

Ion Ratio Lower Upper

88 100

43 215.6 25.8 38.6#

58 0.0 54.6 82.0#



#50

Toluene-d8

Concen: 48.984 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013946.D

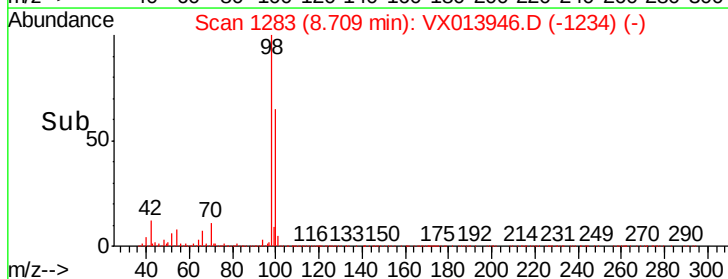
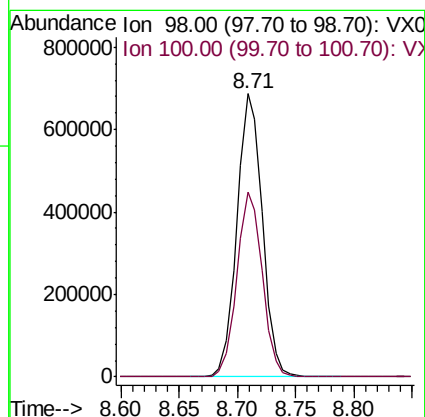
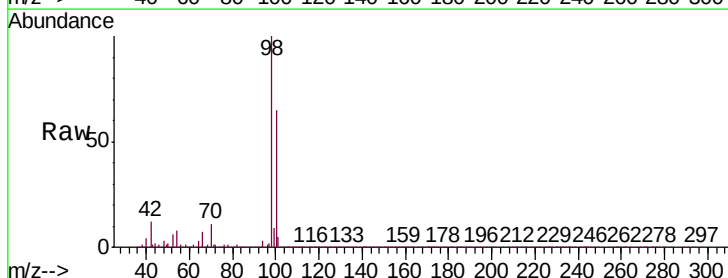
Acq: 11 Dec 2019 15:58

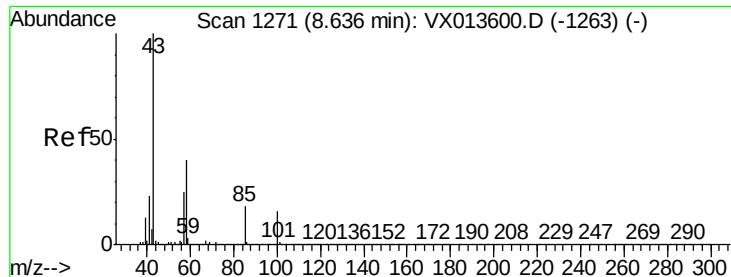
Tgt Ion: 98 Resp: 1047021

Ion Ratio Lower Upper

98 100

100 65.1 53.1 79.7

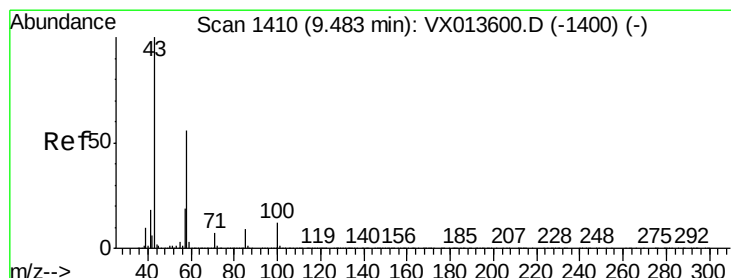
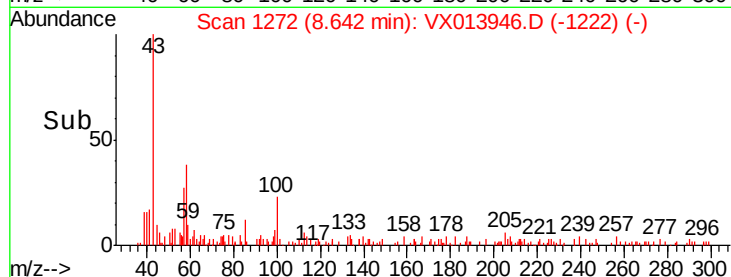
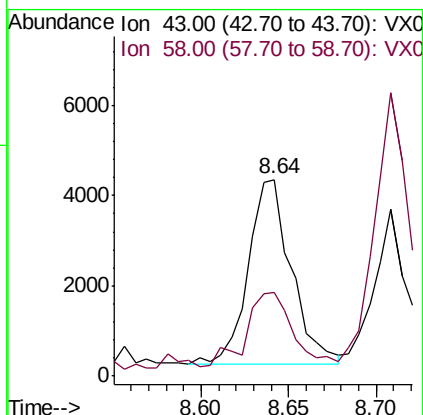
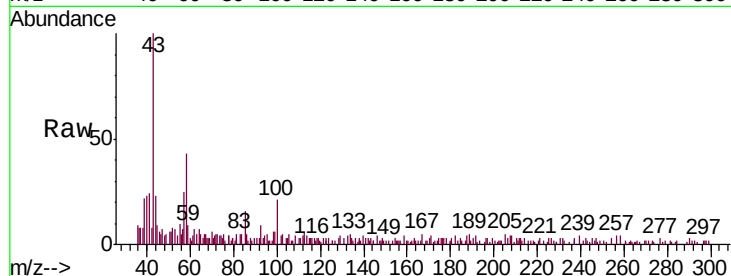




#51
 4-Methyl-2-Pentanone
 Concen: 0.758 ug/l
 RT: 8.64 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VX013946.D
 Acq: 11 Dec 2019 15:58

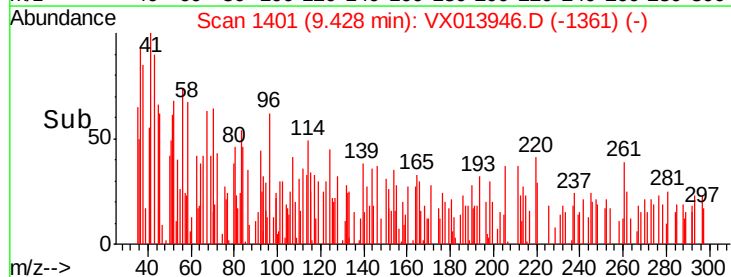
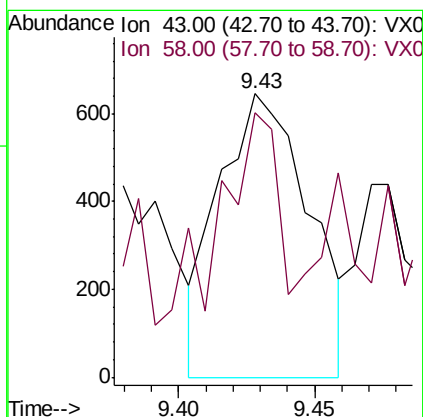
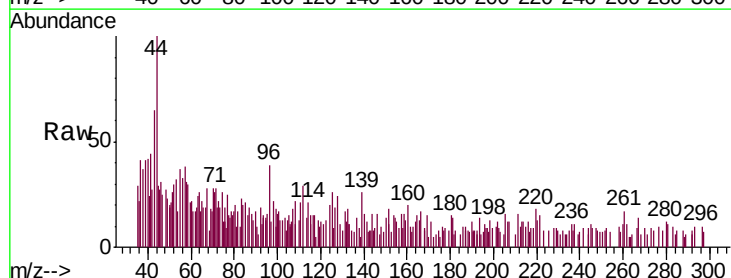
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-191209

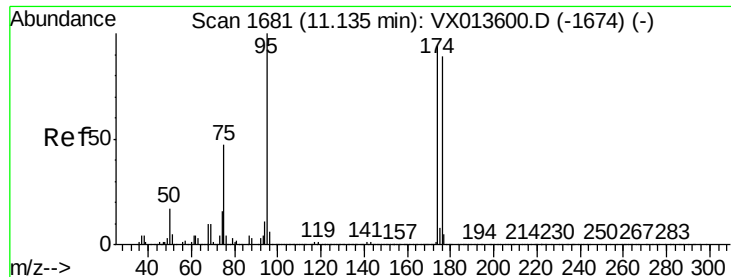
Tgt Ion: 43 Resp: 7096
 Ion Ratio Lower Upper
 43 100
 58 43.4 32.1 48.1



#59
 2-Hexanone
 Concen: 0.203 ug/l
 RT: 9.43 min Scan# 1401
 Delta R.T. -0.06 min
 Lab File: VX013946.D
 Acq: 11 Dec 2019 15:58

Tgt Ion: 43 Resp: 1484
 Ion Ratio Lower Upper
 43 100
 58 41.6 28.1 84.4

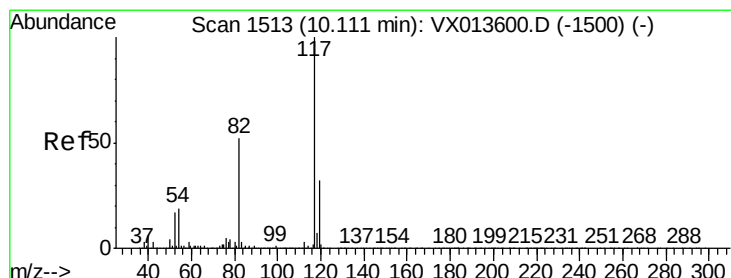
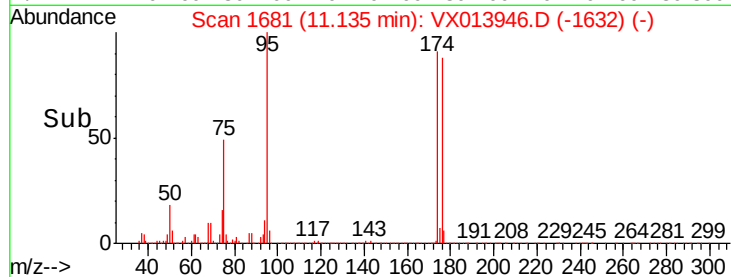
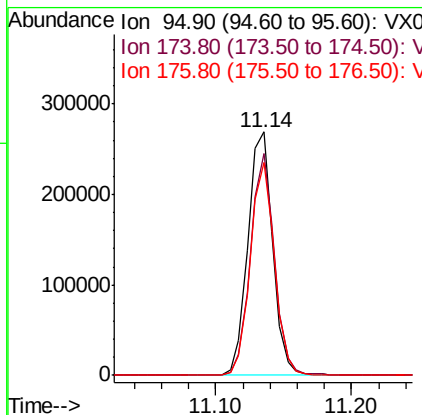
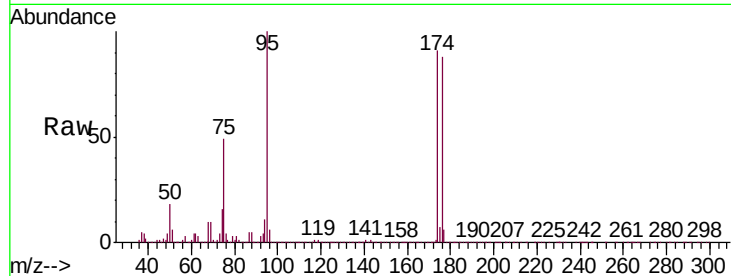




#62
4-Bromofluorobenzene
Concen: 44.653 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

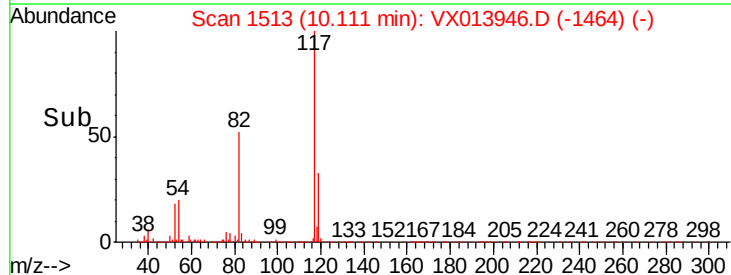
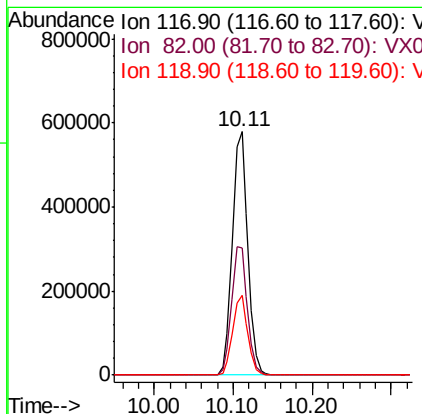
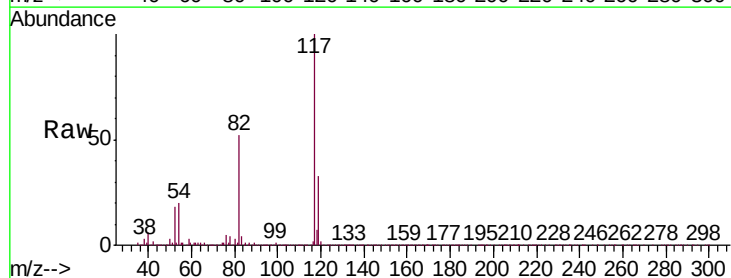
Instrument :
MSVOA_X
ClientSampleId :
TB-01-191209

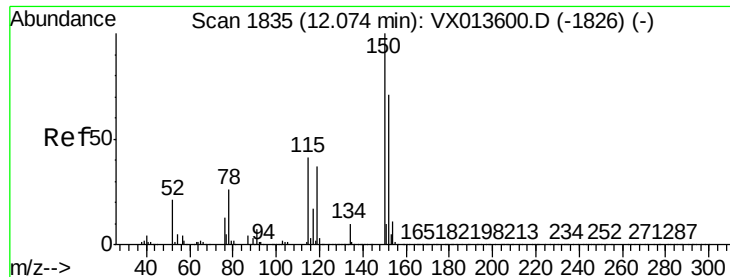
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	180.0
176	85.5	0.0	173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013946.D
Acq: 11 Dec 2019 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.8	62.8
119	32.8	25.8	38.8

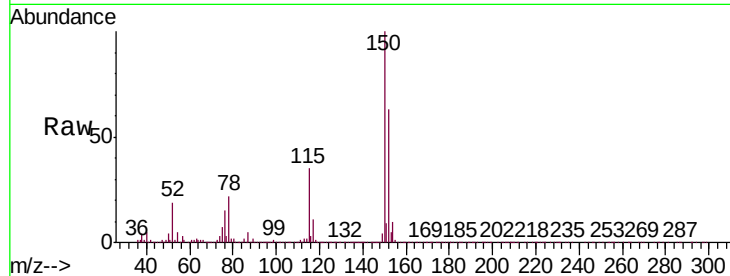




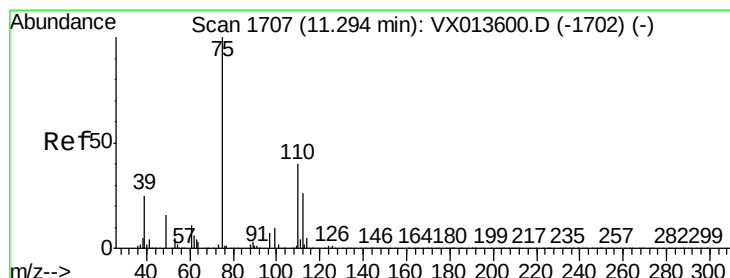
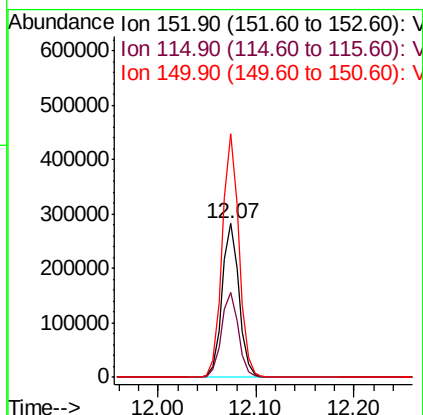
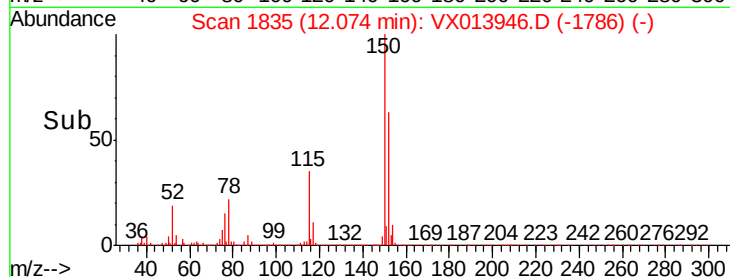
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX013946.D
 Acq: 11 Dec 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-191209

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.4	115.1
150	156.2	0.0	346.8

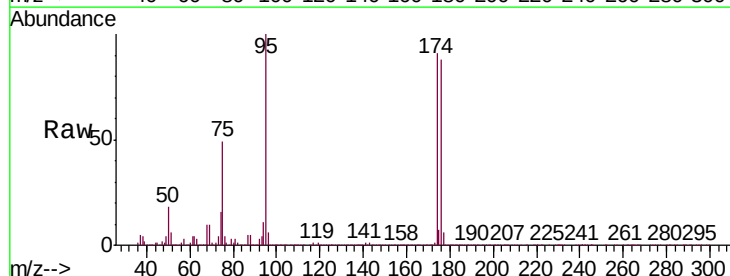


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

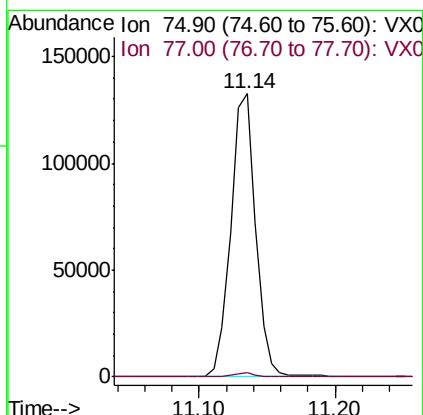
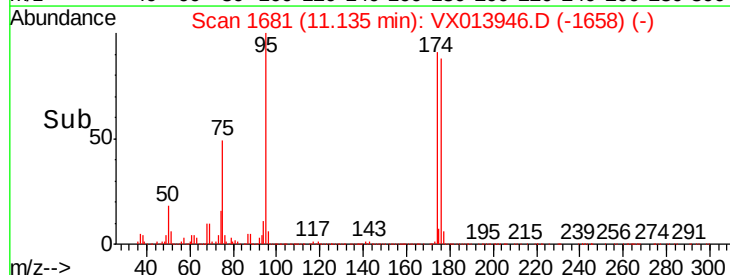


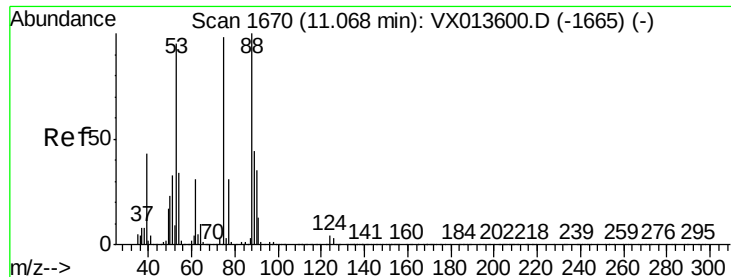
#76
 1,2,3-Trichloropropane
 Concen: 21.922 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX013946.D
 Acq: 11 Dec 2019 15:58

Tgt 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: 59.975 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013946.D

Acq: 11 Dec 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191209

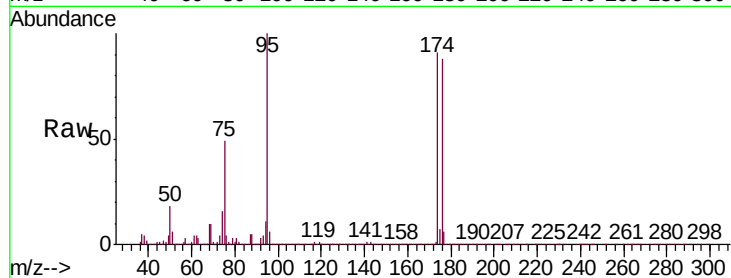
Tgt Ion: 75 Resp: 167358

Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.3 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

