

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011519\
 Data File : VX007053.D
 Acq On : 15 Jan 2019 12:54
 Operator : JC/SP
 Sample : K1150-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190114

Quant Time: Jan 16 00:02:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	592080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	908727	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	855100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	413673	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	314622	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	5.51	113	279436	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	8.71	98	1083887	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.13	95	392736	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

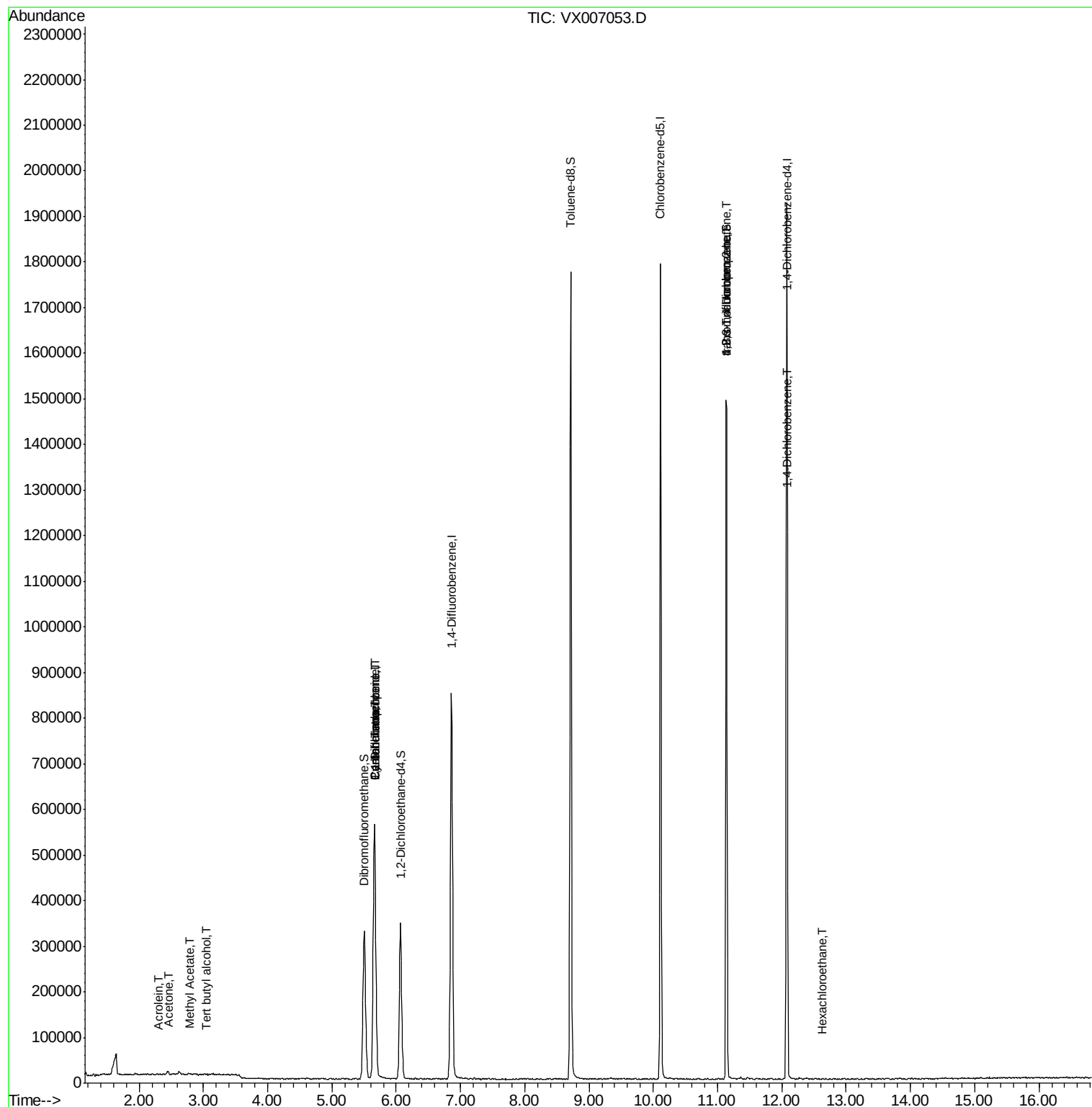
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	688	0.471	ug/l #	40
13) Acrolein	2.31	56	365	3.657	ug/l #	13
16) Acetone	2.45	43	7849	2.566	ug/l #	88
18) Methyl Acetate	2.78	43	2235	0.252	ug/l #	82
20) Methylene Chloride	2.86	84	1928	Below Cal	#	72
31) Cyclohexane	5.67	56	9597	1.100	ug/l #	5
36) 1,1-Dichloropropene	5.66	75	37156	4.703	ug/l #	49
38) Carbon Tetrachloride	5.66	117	53084	6.678	ug/l #	15
49) 1,4-Dioxane	7.77	88	119	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	186636	22.264	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	186636	65.889	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	917	0.211	ug/l #	1
90) Hexachloroethane	12.62	117	42	2.918	ug/l	58

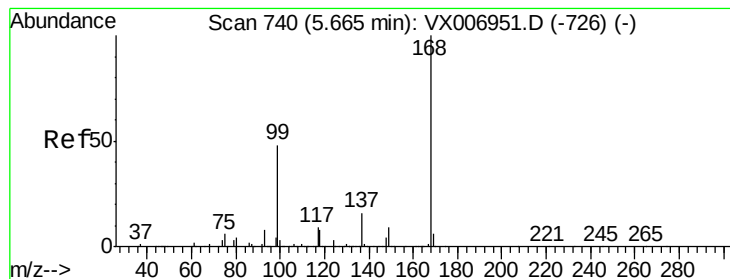
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

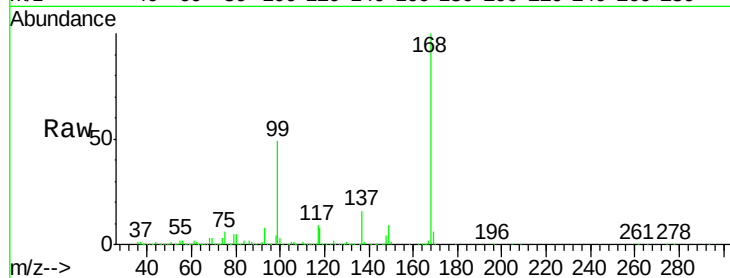
TB-01-190114

Tot Ion:168 Resp: 592080

Ion Ratio Lower Upper

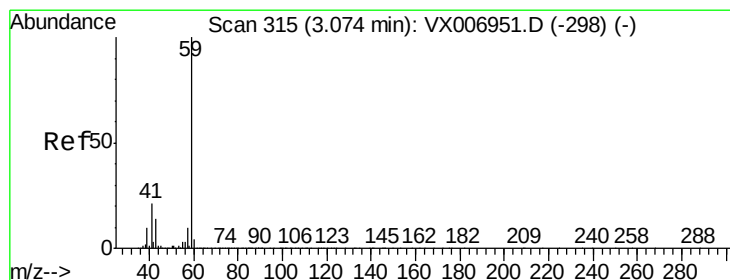
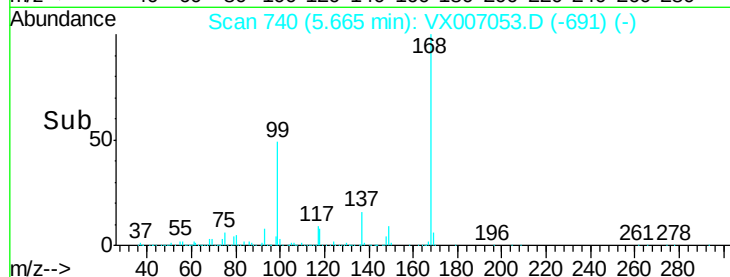
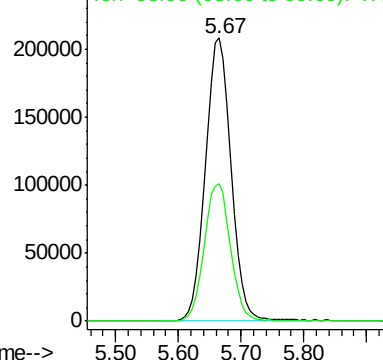
168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.471 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.04 min

Lab File: VX007053.D

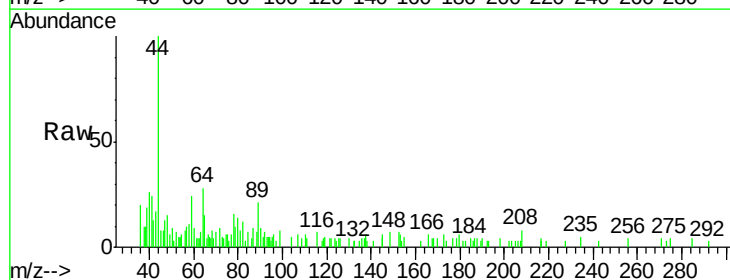
Acq: 15 Jan 2019 12:54

Tgt Ion: 59 Resp: 688

Ion Ratio Lower Upper

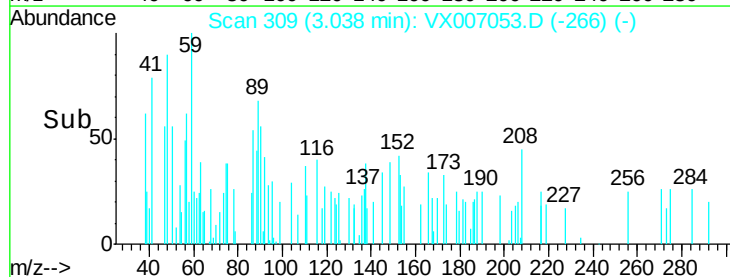
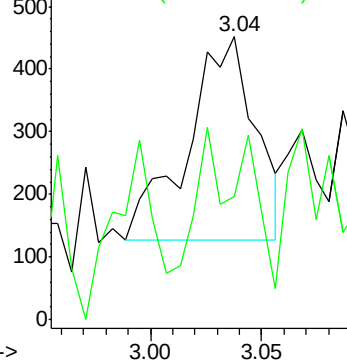
59 100

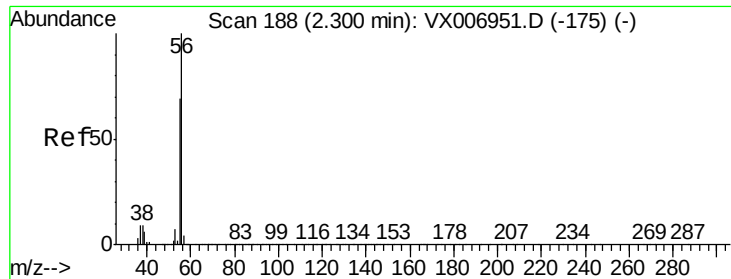
57 33.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 3.657 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

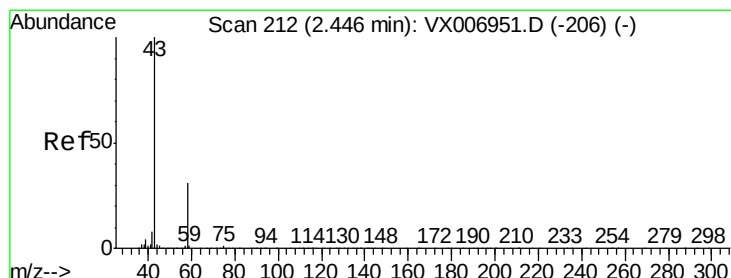
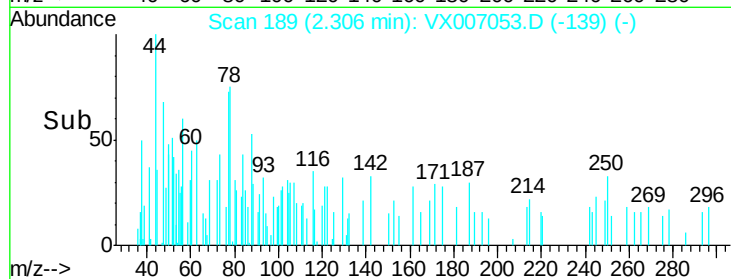
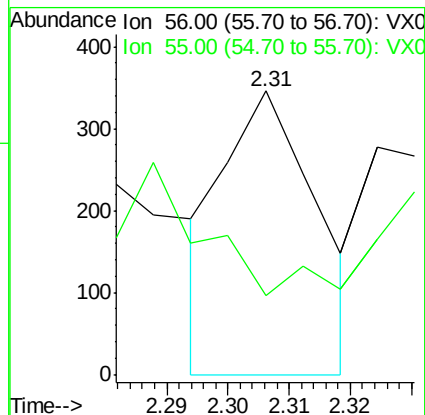
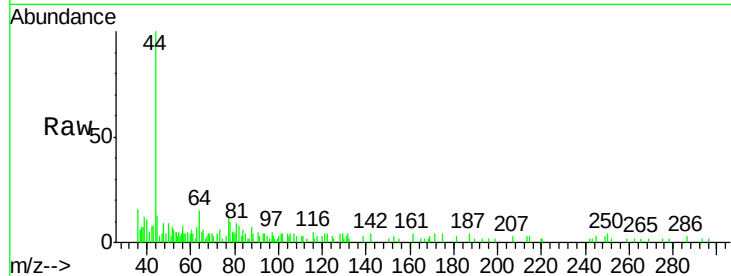
TB-01-190114

Tot Ion: 56 Resp: 365

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 2.566 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007053.D

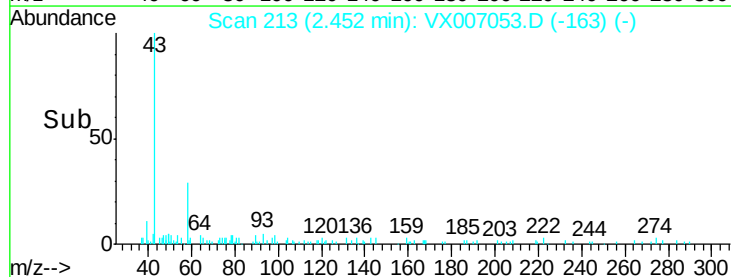
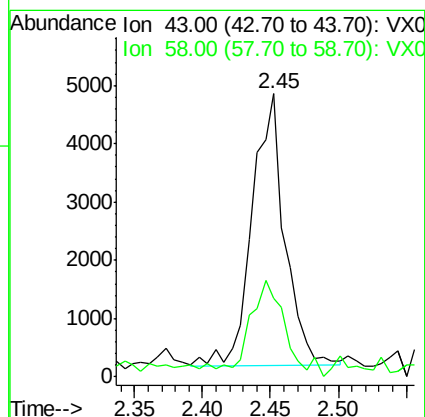
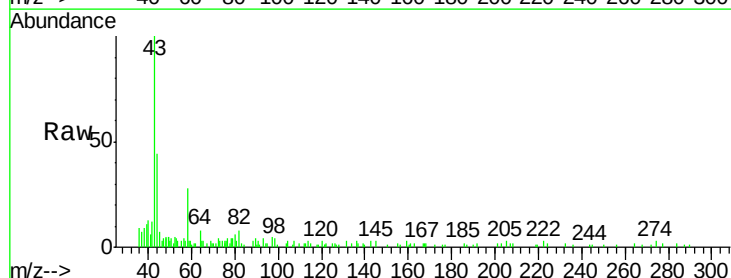
Acq: 15 Jan 2019 12:54

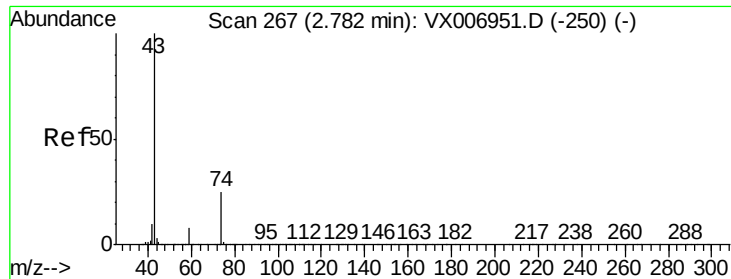
Tgt Ion: 43 Resp: 7849

Ion Ratio Lower Upper

43 100

58 24.6 25.0 37.6#

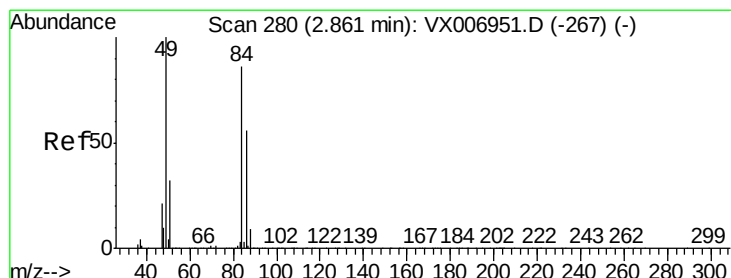
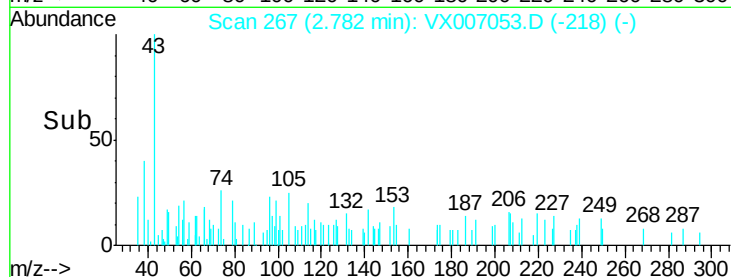
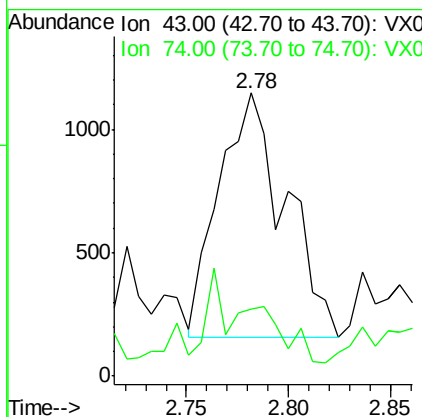
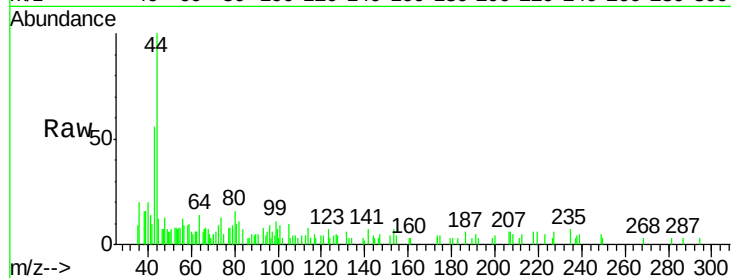




#18
Methyl Acetate
Concen: 0.252 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

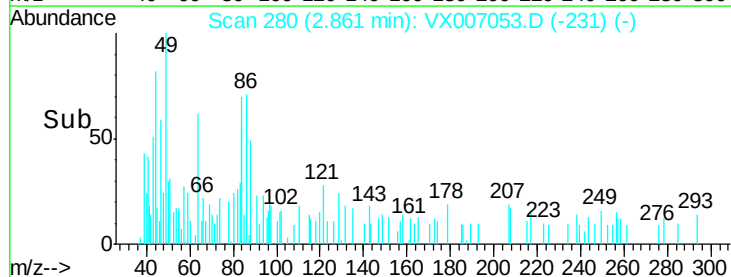
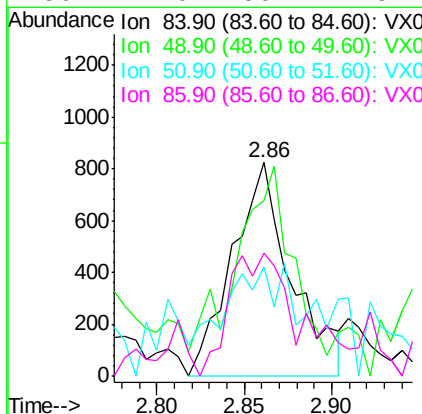
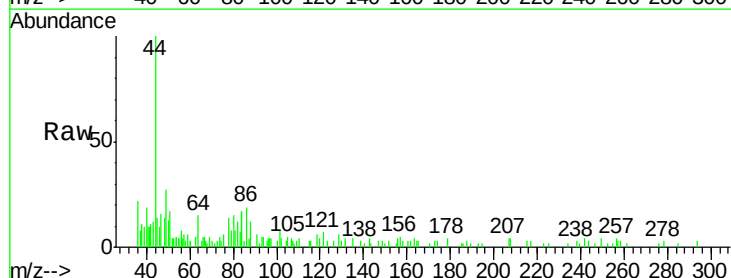
Instrument :
MSVOA_X
ClientSampled :
TB-01-190114

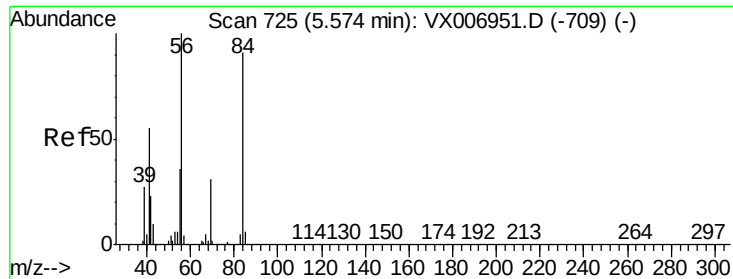
Tot Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
74 14.7 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

Tgt Ion: 84 Resp: 1928
Ion Ratio Lower Upper
84 100
49 70.4 91.8 137.6#
51 36.6 28.5 42.7
86 47.0 50.2 75.2#

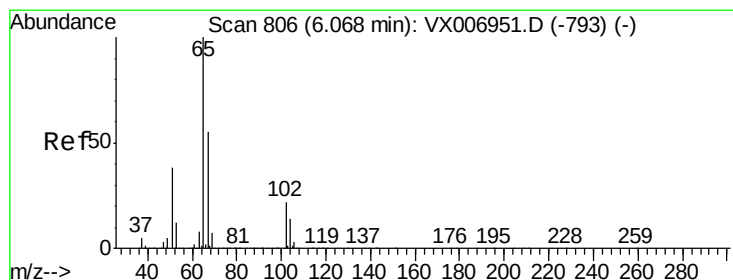
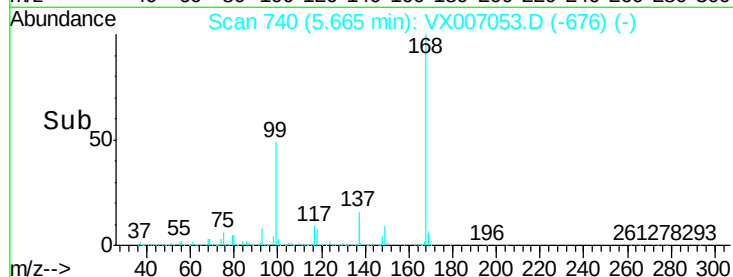
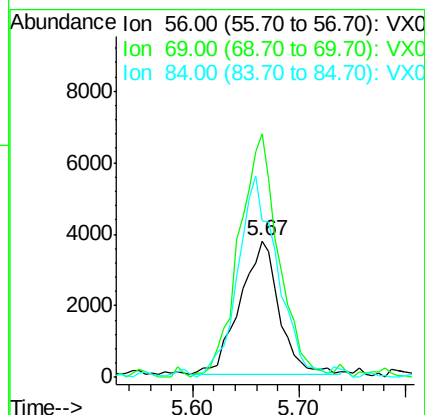
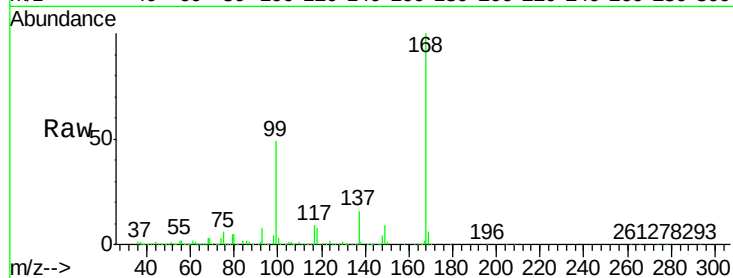




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

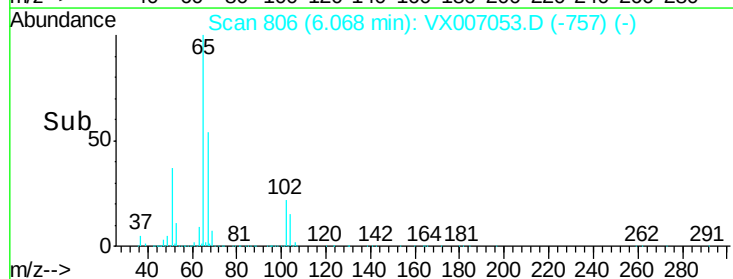
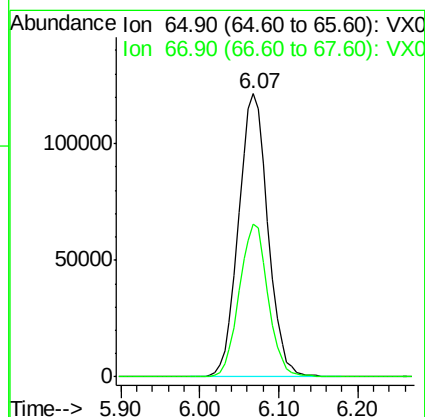
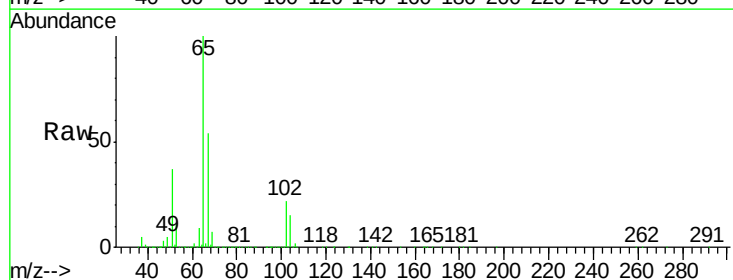
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190114

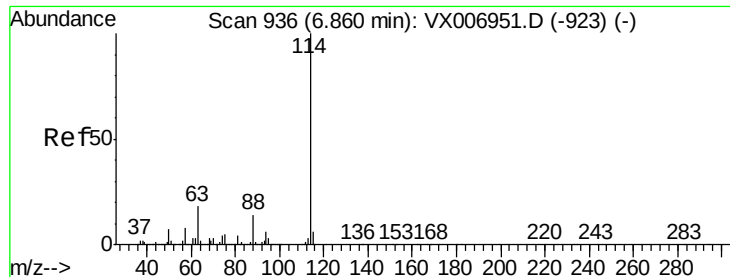
Tot Ion: 56 Resp: 9597
Ion Ratio Lower Upper
56 100
69 183.2 24.4 36.6#
84 115.6 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 50.846 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

Tgt Ion: 65 Resp: 314622
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190114

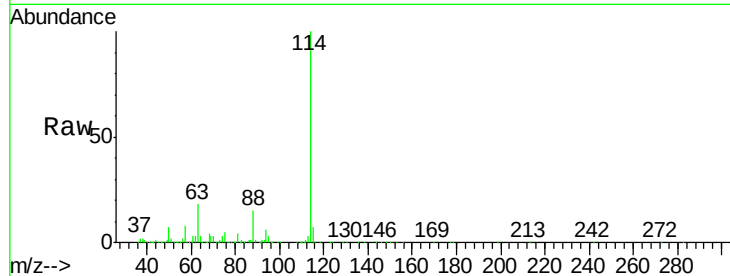
Tot Ion:114 Resp: 908727

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

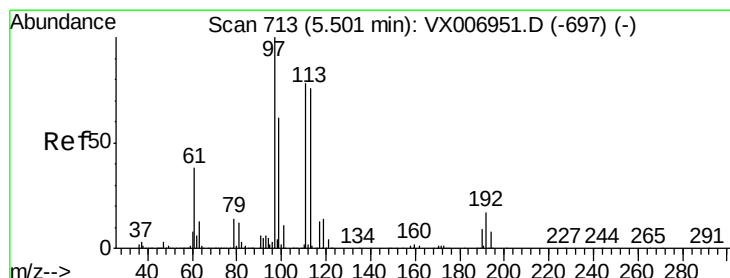
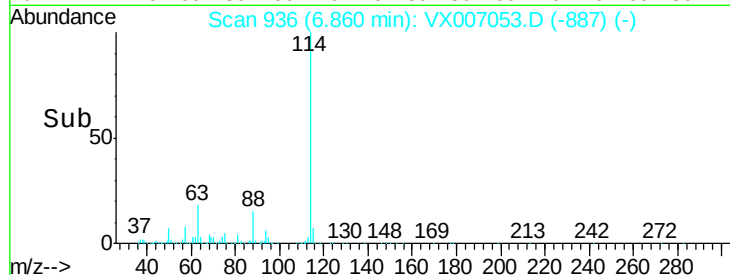
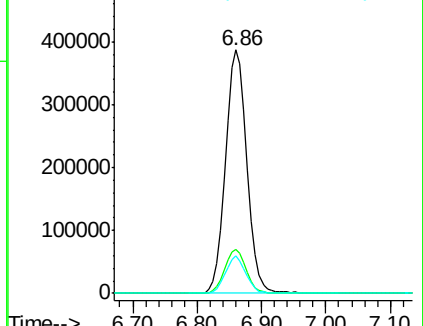
88 15.3 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.018 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

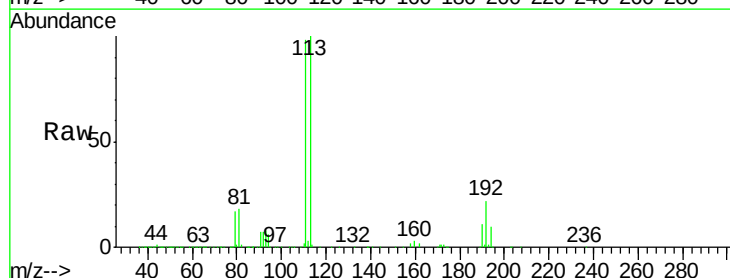
Tgt Ion:113 Resp: 279436

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

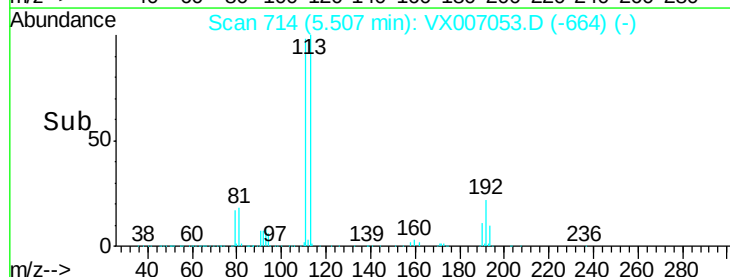
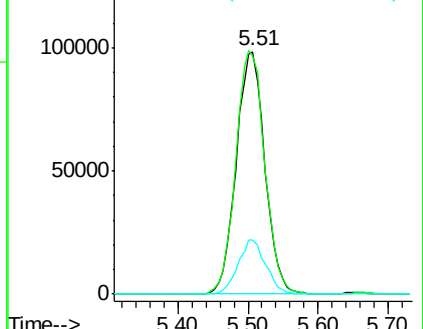
192 21.8 16.7 25.1

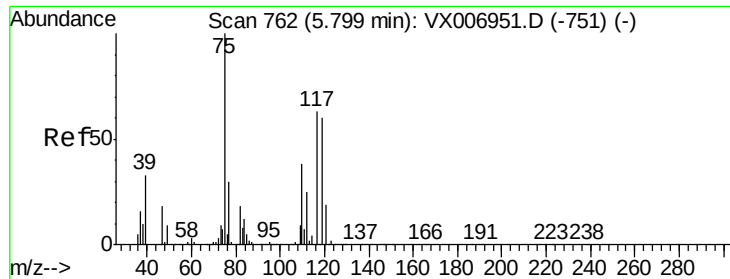


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190114

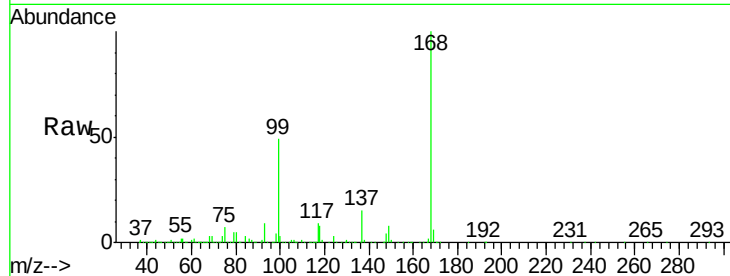
Tot Ion: 75 Resp: 37156

Ion Ratio Lower Upper

75 100

110 11.0 20.2 60.5#

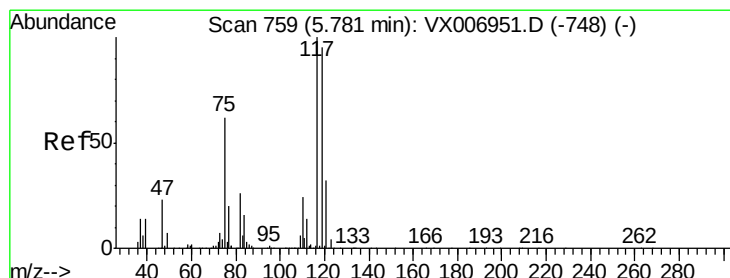
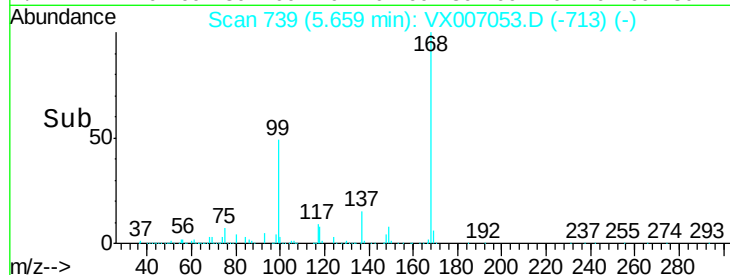
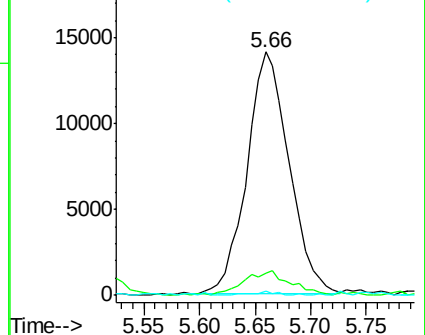
77 0.8 24.8 37.2#



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: 6.678 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

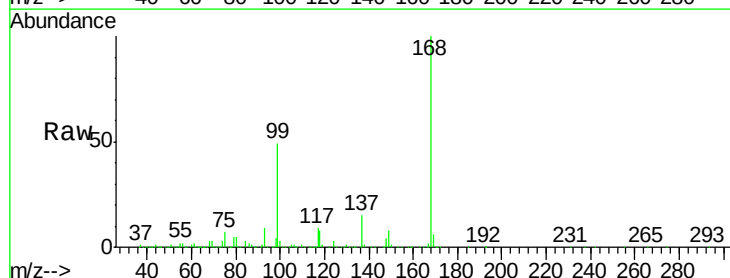
Tgt Ion: 117 Resp: 53084

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.2#

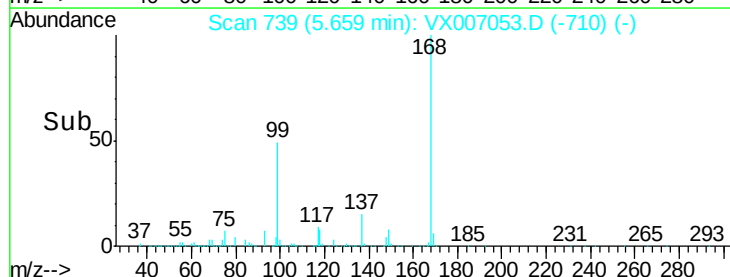
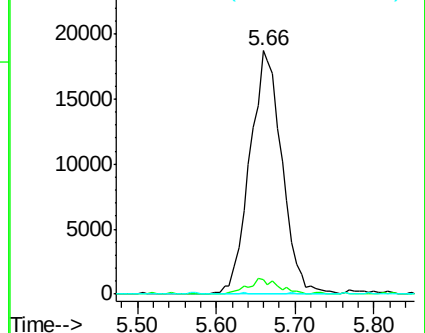
121 0.0 24.0 36.0#

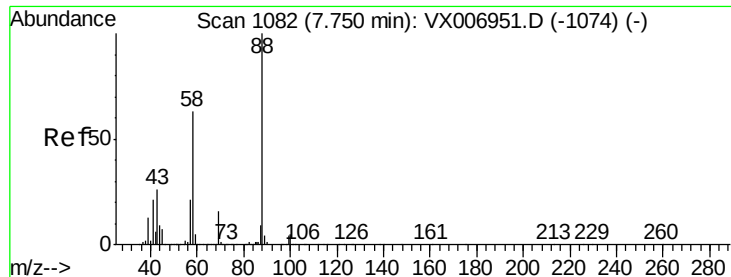


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

Instrument :

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ClientSampleId :

TB-01-190114

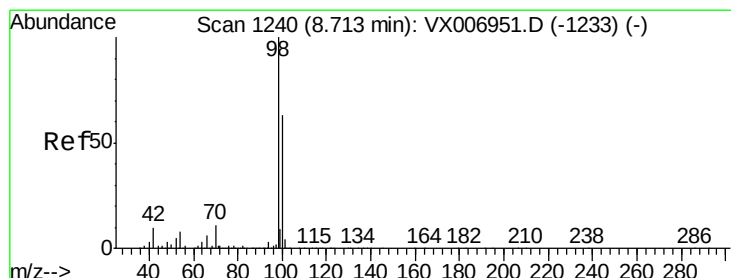
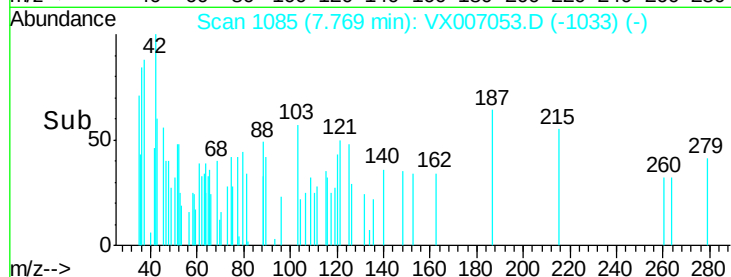
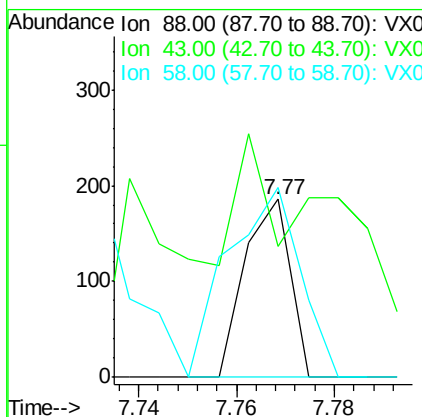
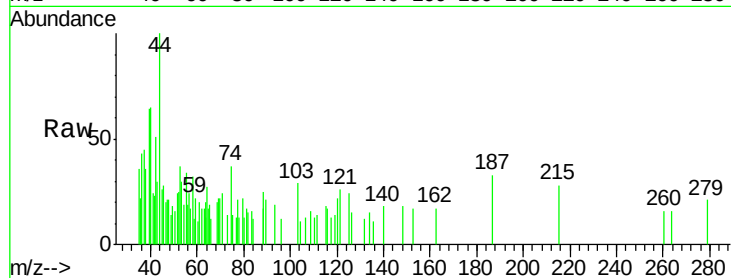
Tot Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 178.2 22.2 33.4#

58 169.7 51.0 76.4#



#50

Toluene-d8

Concen: 50.884 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007053.D

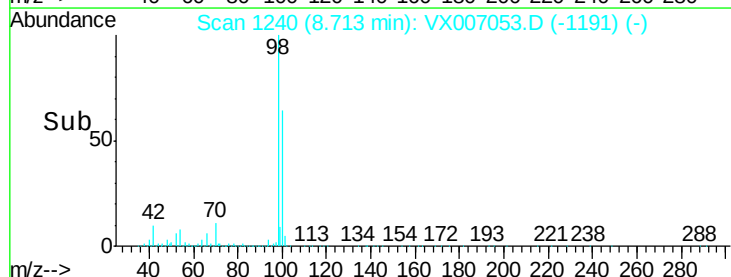
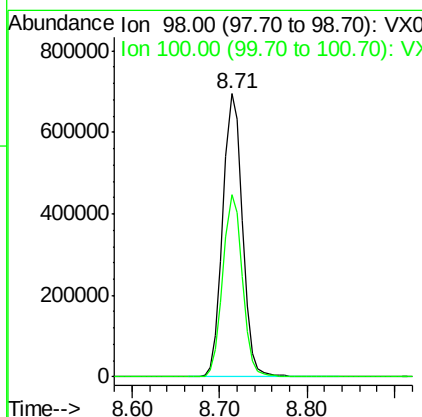
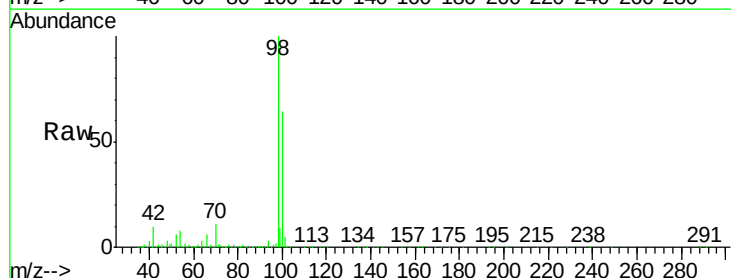
Acq: 15 Jan 2019 12:54

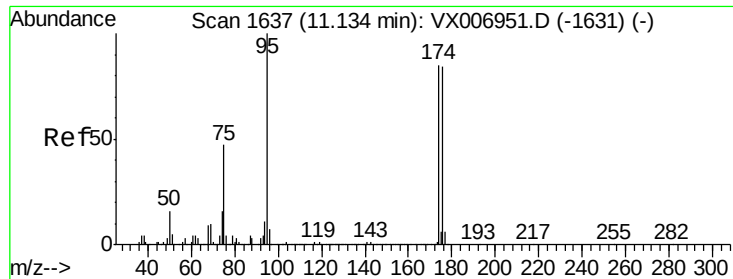
Tgt Ion: 98 Resp: 1083887

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

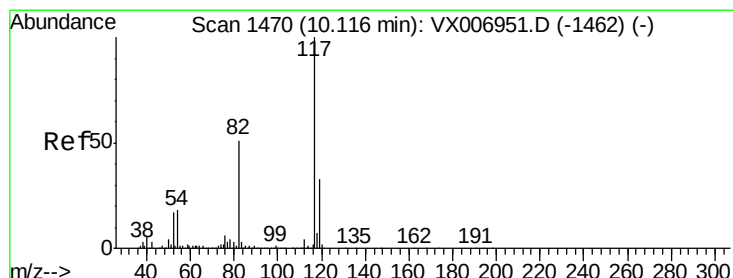
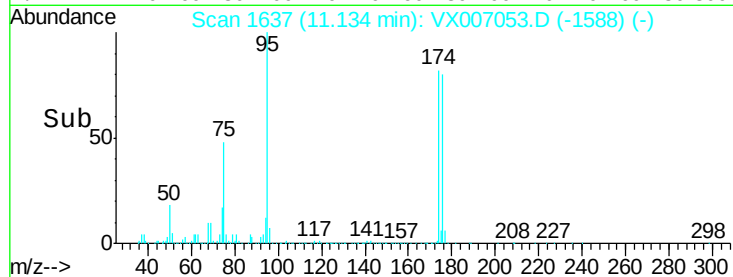
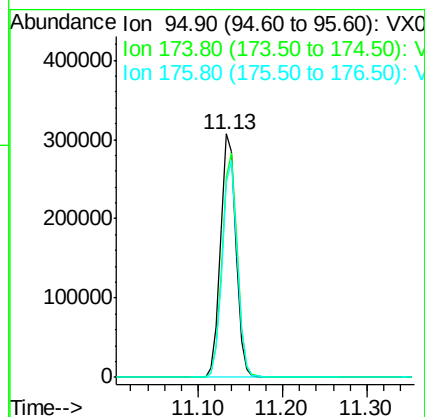
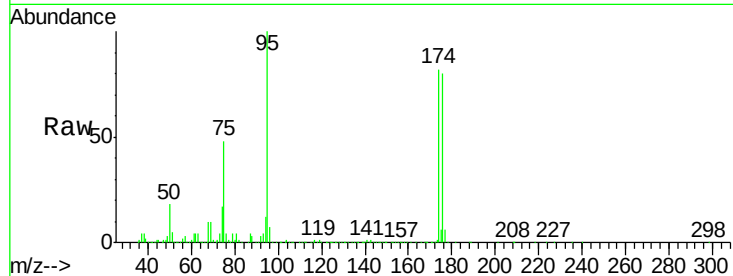




#62
4-Bromofluorobenzene
Concen: 52.886 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

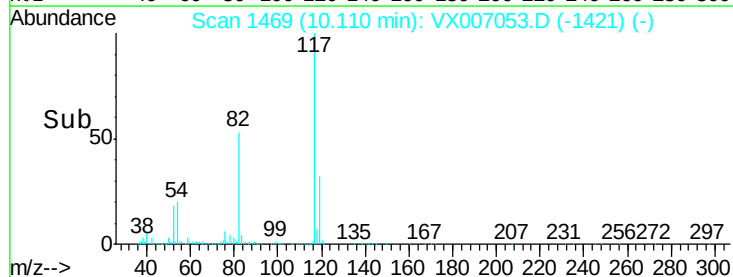
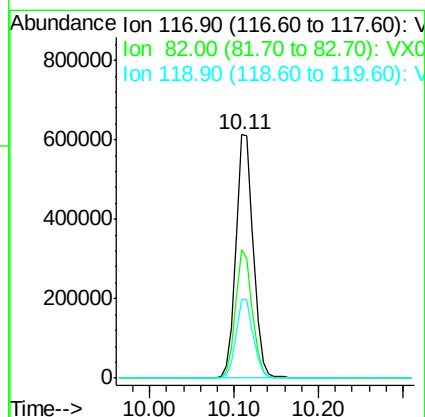
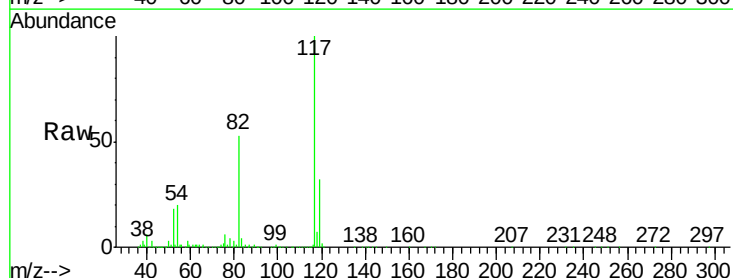
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190114

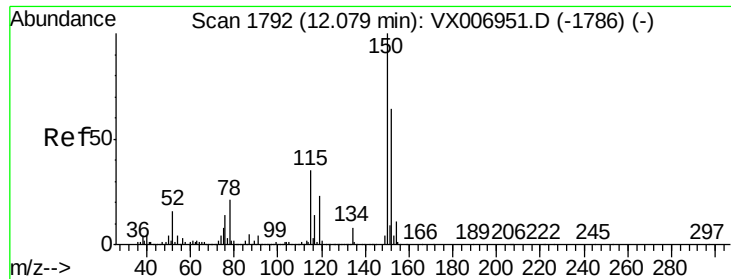
Tot Ion: 95 Resp: 392736
Ion Ratio Lower Upper
95 100
174 91.2 0.0 182.2
176 87.5 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

Tgt Ion: 117 Resp: 855100
Ion Ratio Lower Upper
117 100
82 52.8 41.0 61.6
119 32.1 25.4 38.0



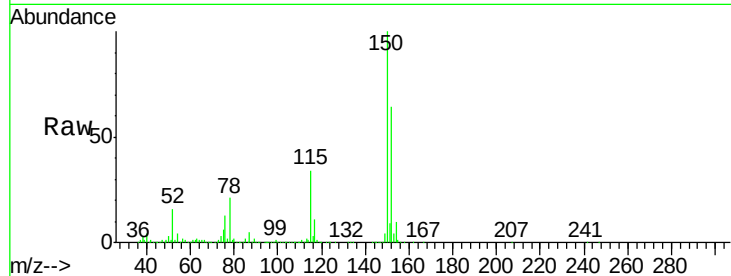


#72

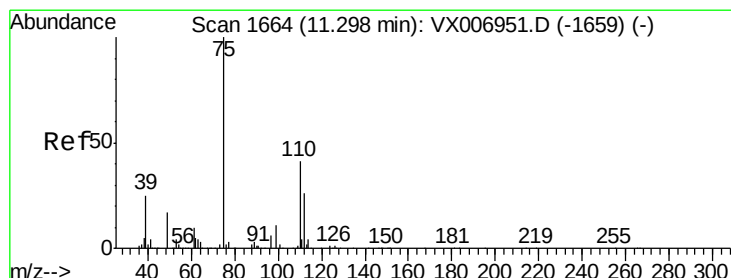
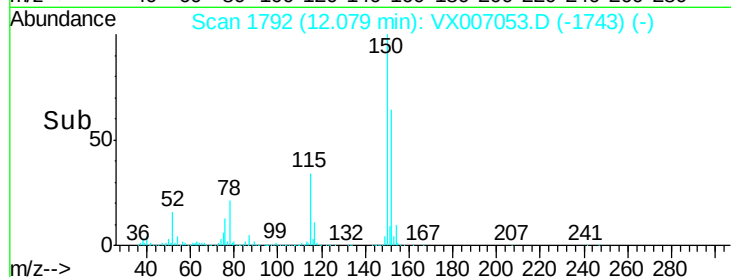
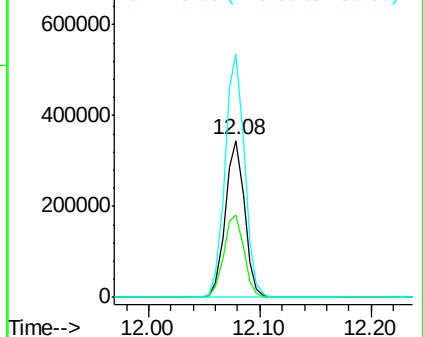
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190114

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.1	117.2
150	157.1	0.0	344.8



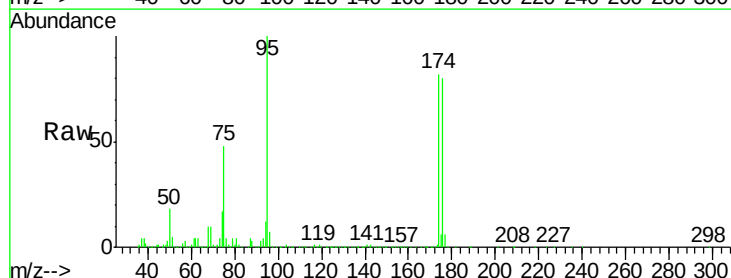
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



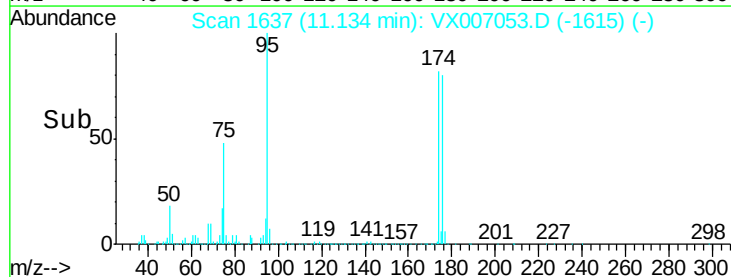
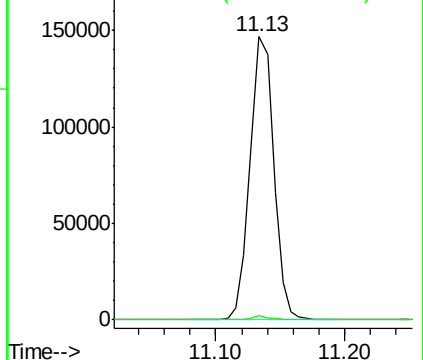
#76

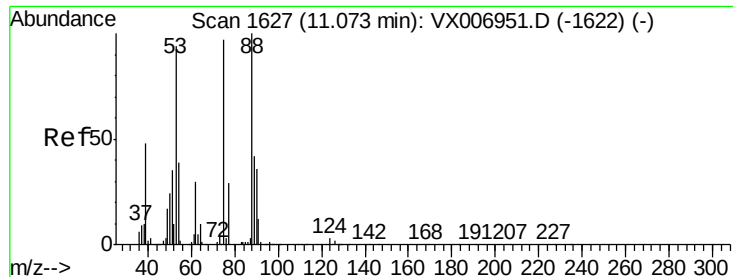
1,2,3-Trichloropropane
Concen: 22.264 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	18.5	55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

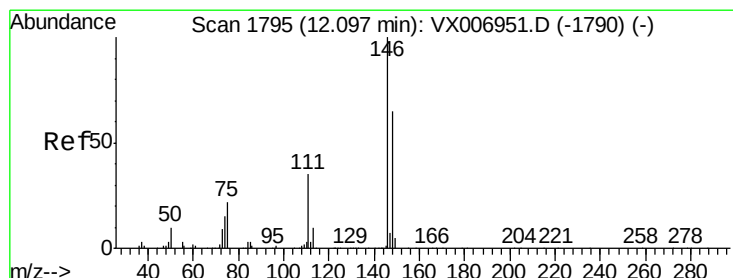
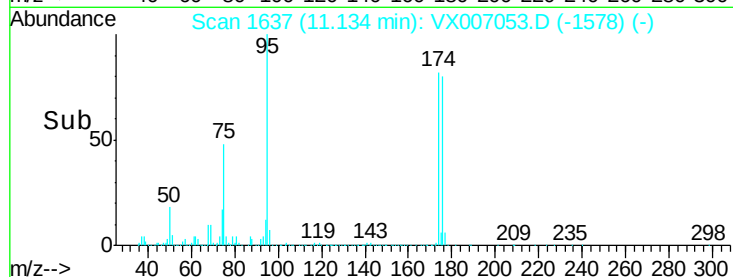
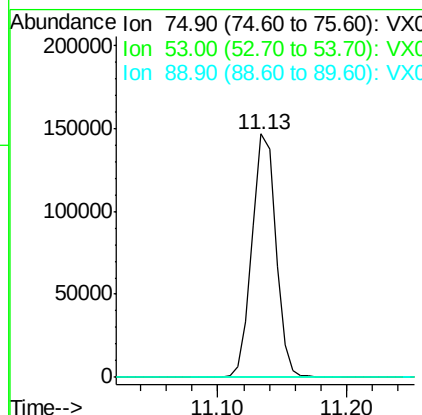
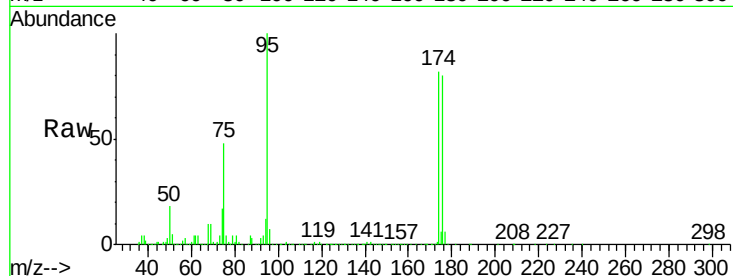




#81
trans-1,4-Dichloro-2-butene
Concen: 65.889 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

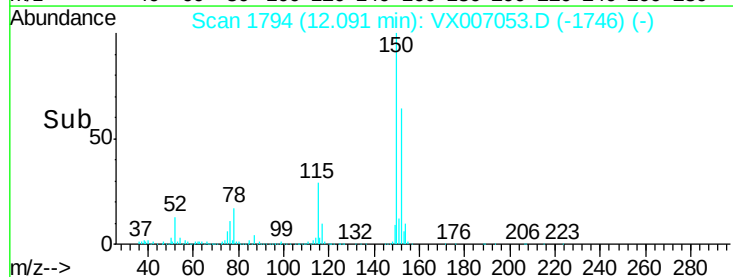
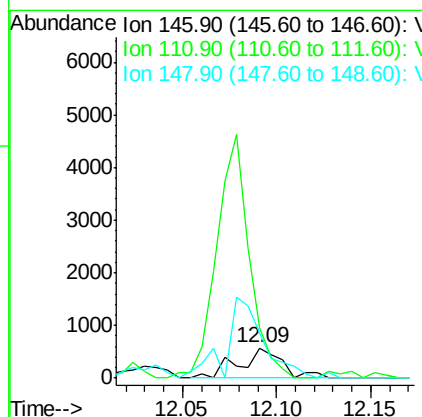
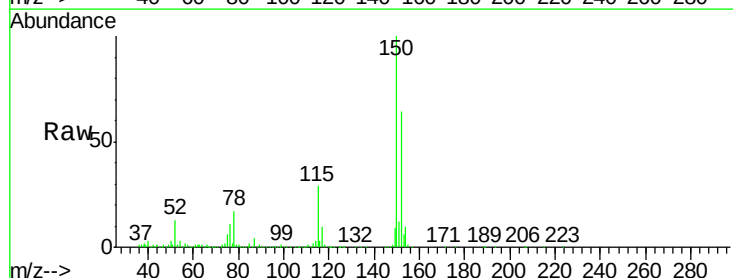
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190114

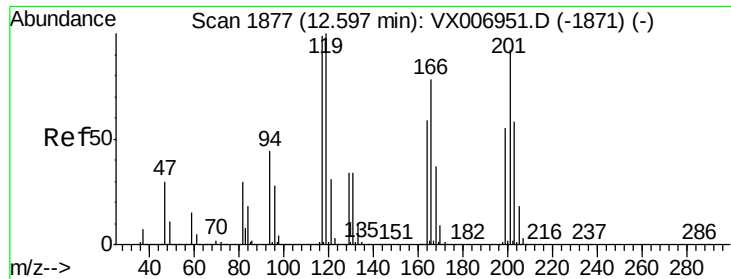
Tot Ion: 75 Resp: 186636
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.0 38.0 57.0#



#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 12.09 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VX007053.D
Acq: 15 Jan 2019 12:54

Tgt Ion: 146 Resp: 917
Ion Ratio Lower Upper
146 100
111 605.7 18.1 54.1#
148 227.3 31.9 95.9#





#90

Hexachloroethane

Concen: 2.918 ug/l

RT: 12.62 min Scan# 1881

Delta R.T. 0.03 min

Lab File: VX007053.D

Acq: 15 Jan 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

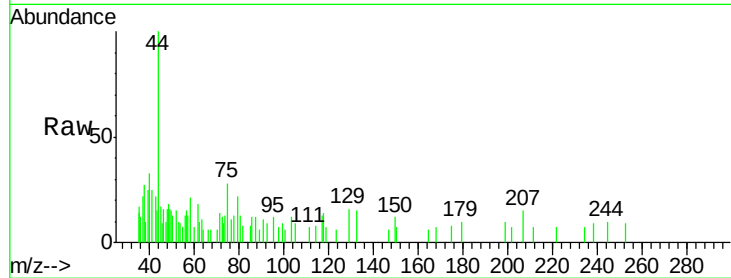
TB-01-190114

Tot Ion:117 Resp: 42

Ion Ratio Lower Upper

117 100

201 47.6 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

