

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000552.D
 Acq On : 30 Mar 2018 08:59
 Operator : JC/MD
 Sample : J2094-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 11:10:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	102723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	184501	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100253	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	73433	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	5.51	113	58014	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.73	98	235232	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.15	95	80804	40.99	ug/l	0.00
Spiked Amount			Recovery	=	81.98%	

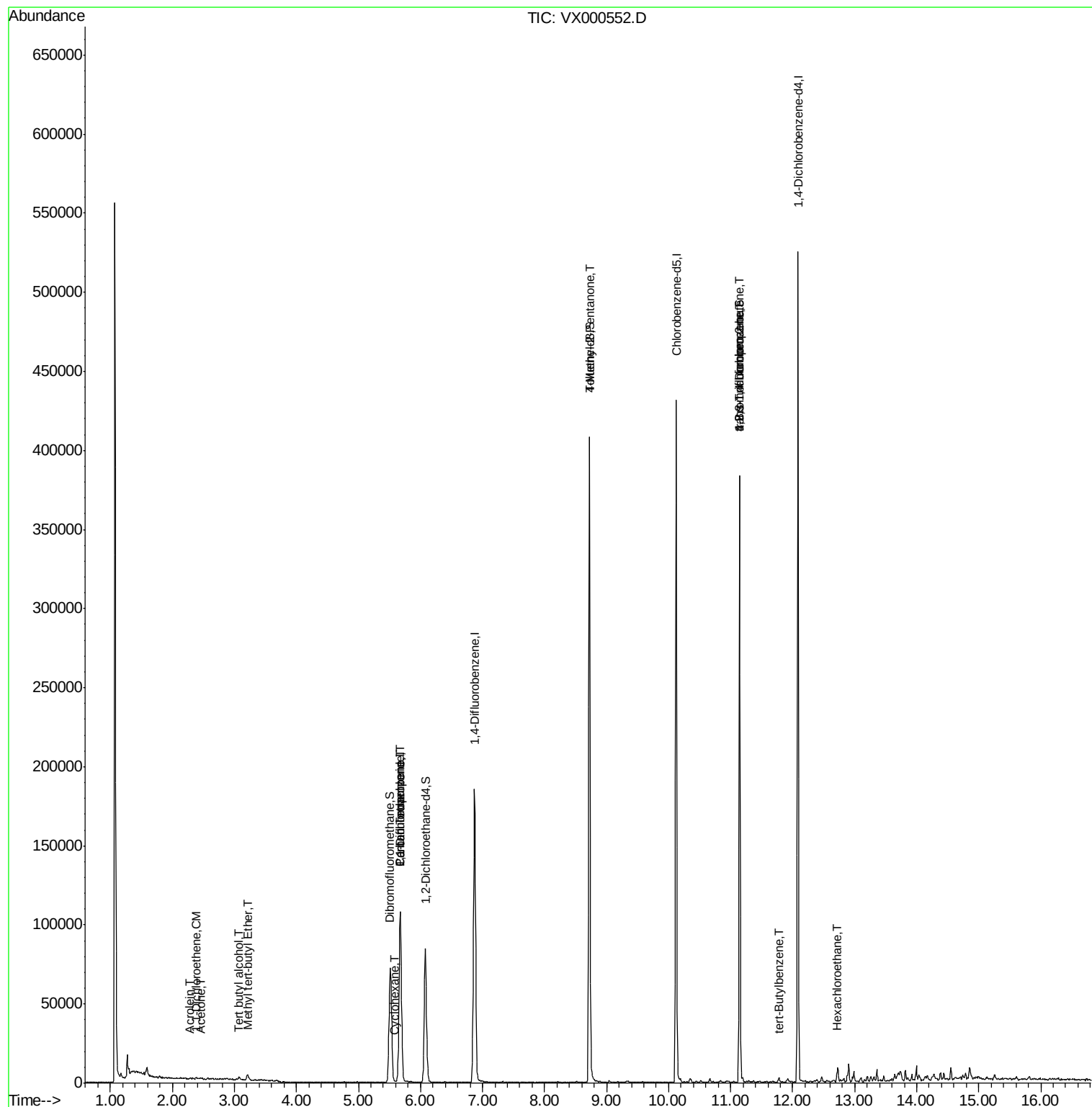
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	181	Below Cal	#	44
11) Tert butyl alcohol	3.07	59	1659	3.60	ug/l	99
12) 1,1-Dichloroethene	2.38	96	408	0.37	ug/l #	61
13) Acrolein	2.29	56	74	15.05	ug/l	91
16) Acetone	2.45	43	1007	0.90	ug/l #	86
19) Methyl tert-butyl Ether	3.21	73	3243	0.79	ug/l #	88
31) Cyclohexane	5.58	56	339	0.20	ug/l #	49
36) 1,1-Dichloropropene	5.68	75	8439	4.88	ug/l #	51
38) Carbon Tetrachloride	5.67	117	9922	5.47	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	1107	0.41	ug/l #	1
74) N-amyl acetate	6.46	43	70	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	47399	22.00	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	47399	71.22	ug/l #	9
83) tert-Butylbenzene	11.77	119	1139	0.20	ug/l	78
90) Hexachloroethane	12.71	117	512	0.53	ug/l #	12

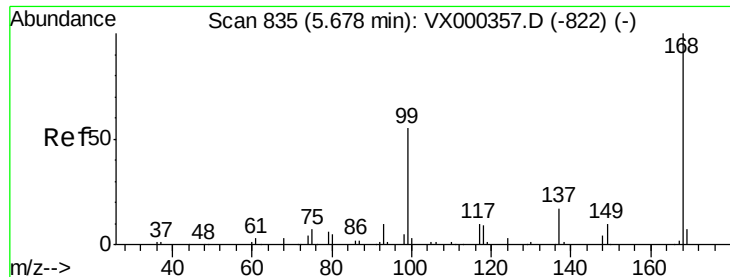
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

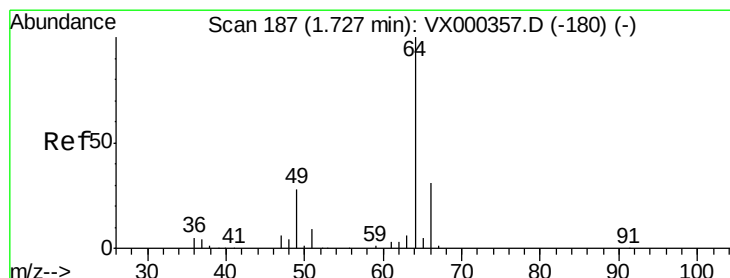
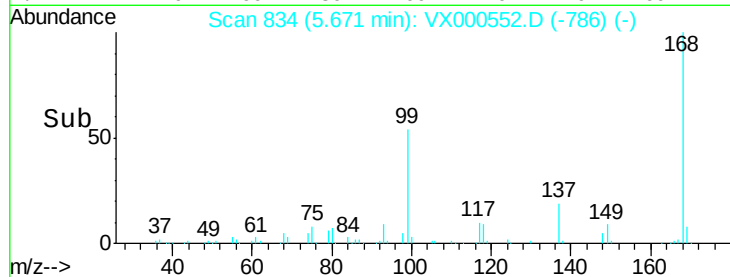
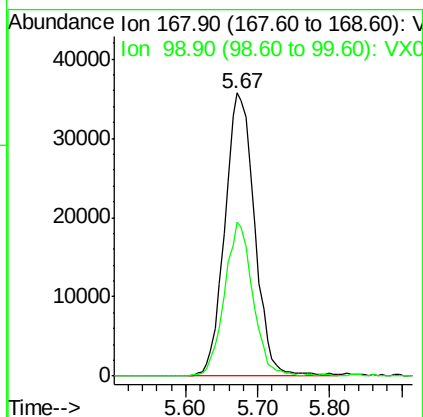
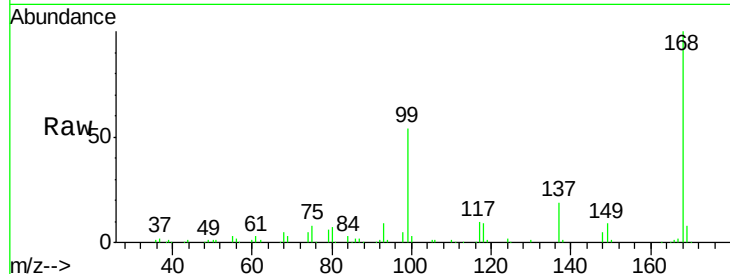




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000552.D
Acq: 30 Mar 2018 08:59

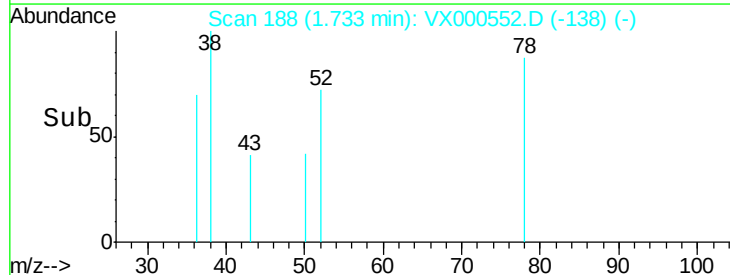
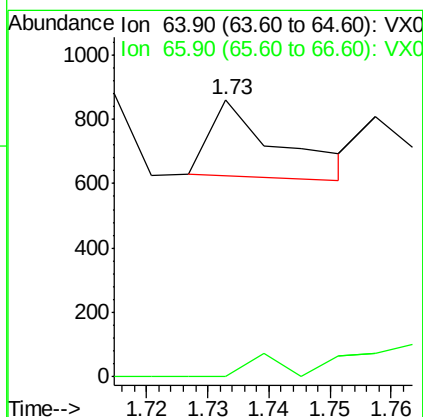
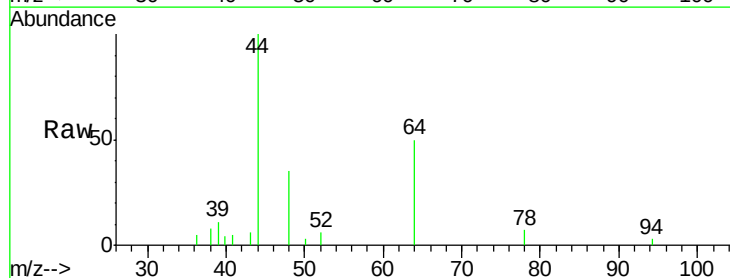
Instrument :
MSVOA_X
ClientSampled :

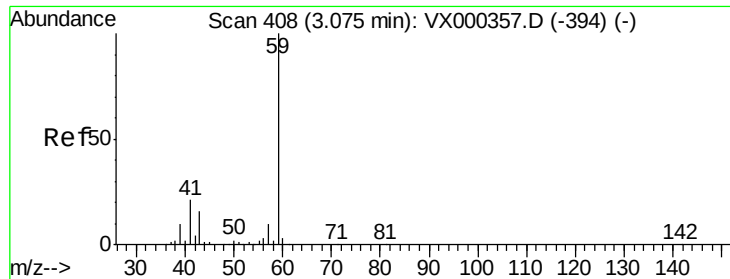
Tot Ion:168 Resp: 102723
Ion Ratio Lower Upper
168 100
99 54.3 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.73 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX000552.D
Acq: 30 Mar 2018 08:59

Tgt Ion: 64 Resp: 181
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#

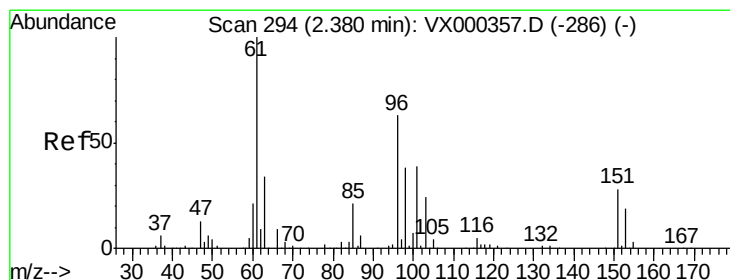
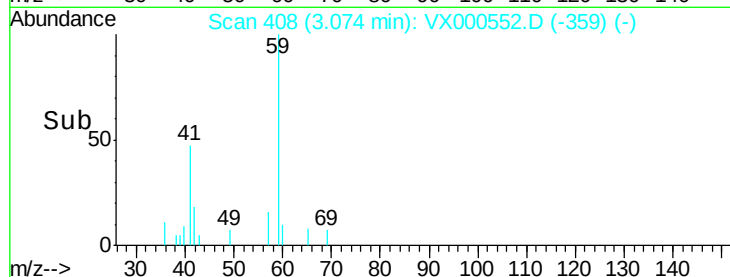
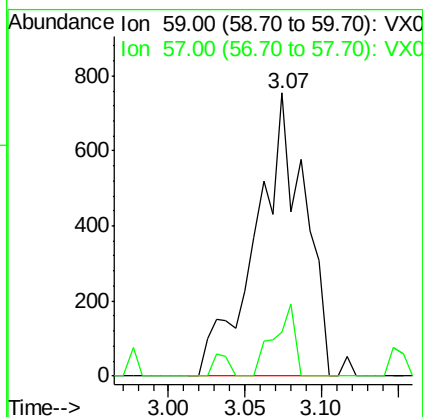
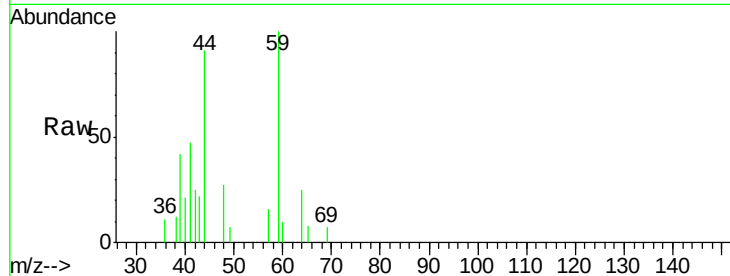




#11
Tert butyl alcohol
Concen: 3.60 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000552.D
Acq: 30 Mar 2018 08:59

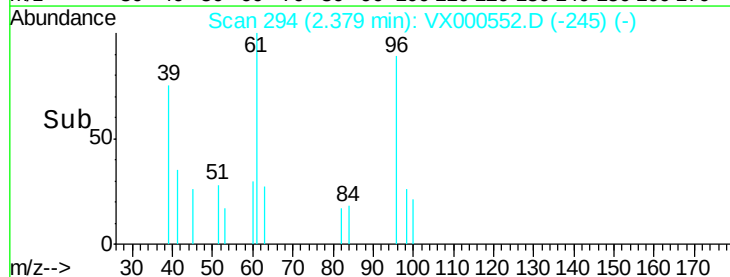
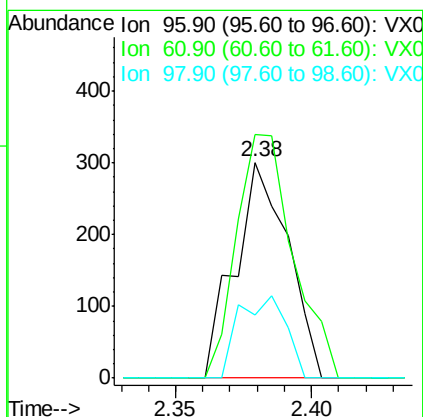
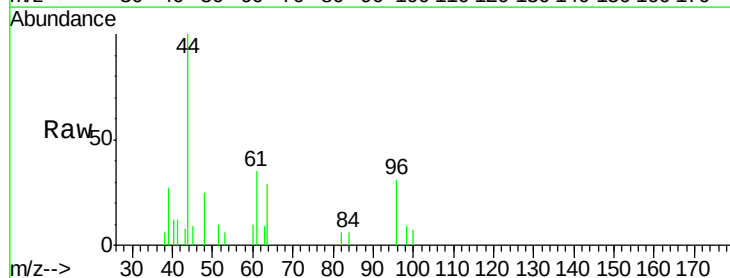
Instrument :
MSVOA_X
ClientSampled :

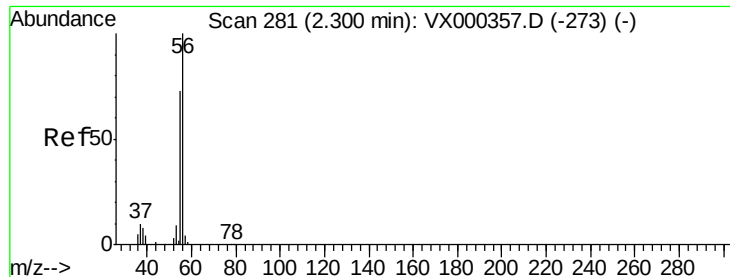
Tot Ion: 59 Resp: 1659
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6



#12
1,1-Dichloroethene
Concen: 0.37 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000552.D
Acq: 30 Mar 2018 08:59

Tgt Ion: 96 Resp: 408
Ion Ratio Lower Upper
96 100
61 112.6 131.2 196.8#
98 29.6 49.8 74.8#





#13

Acrolein

Concen: 15.05 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

Instrument :

MSVOA_X

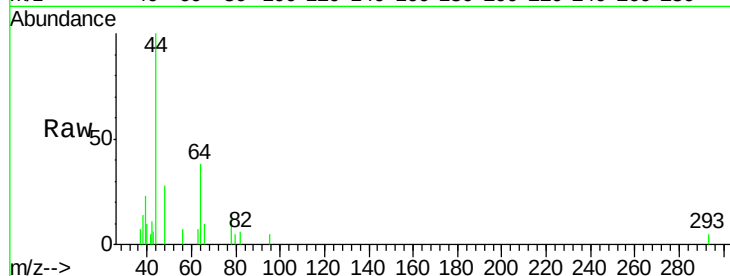
ClientSampleId :

Tot Ion: 56 Resp: 74

Ion Ratio Lower Upper

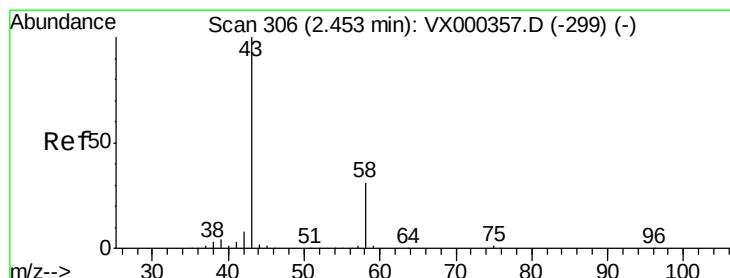
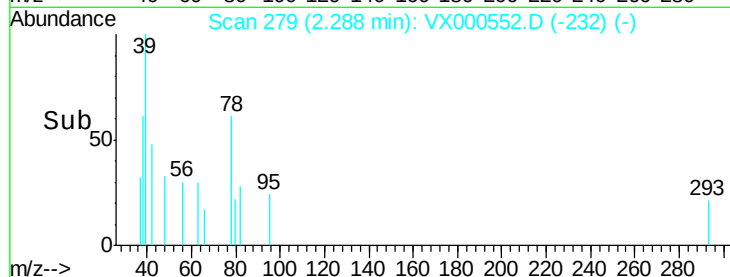
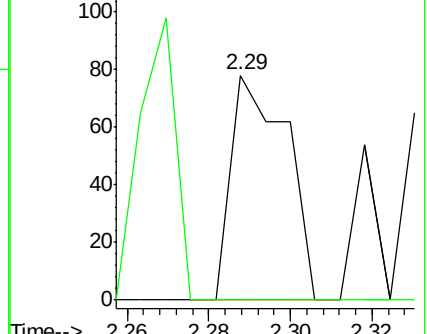
56 100

55 81.1 58.8 88.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.90 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000552.D

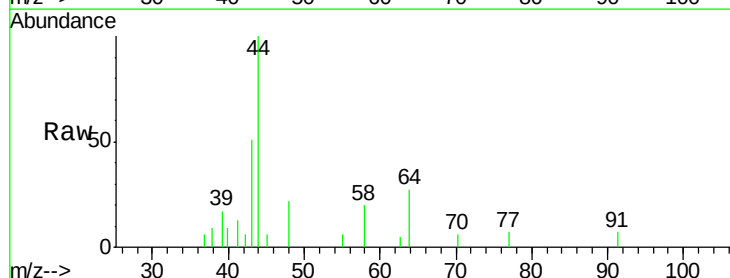
Acq: 30 Mar 2018 08:59

Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

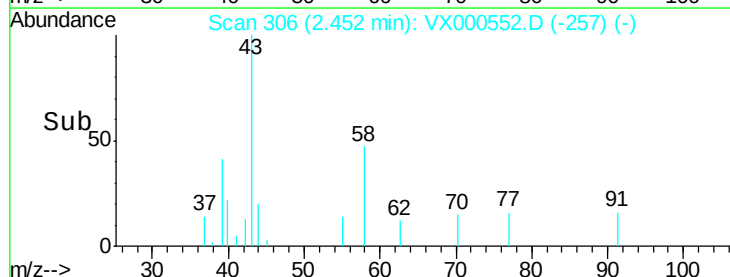
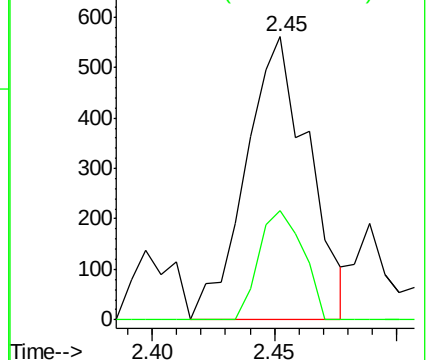
43 100

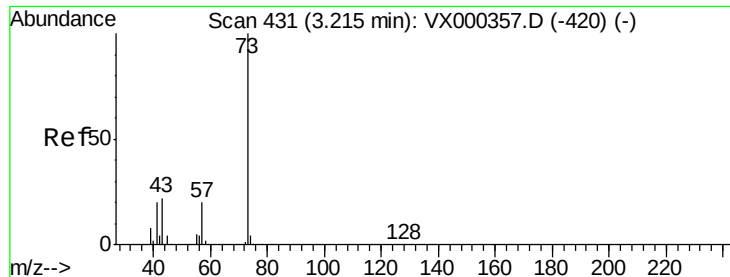
58 38.7 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#19

Methyl tert-butyl Ether

Concen: 0.79 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

Instrument :

MSVOA_X

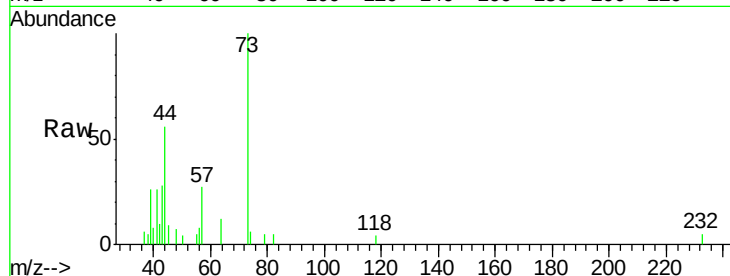
ClientSampled :

Tot Ion: 73 Resp: 3243

Ion Ratio Lower Upper

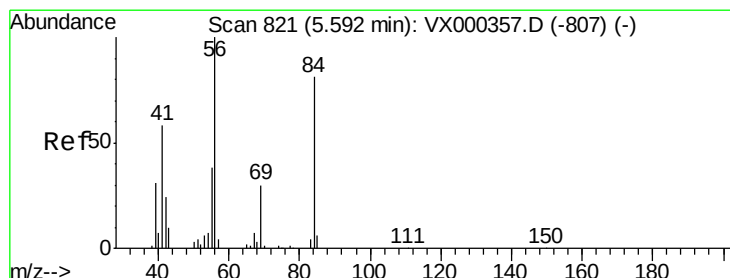
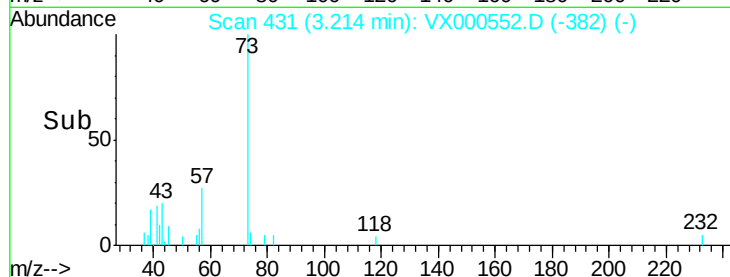
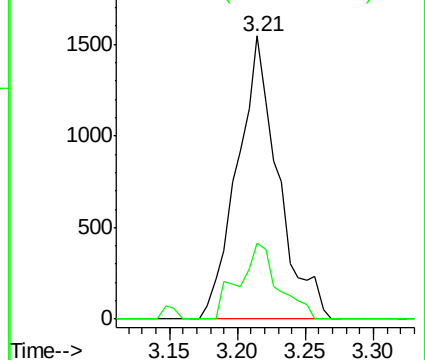
73 100

57 27.0 17.2 25.8#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#31

Cyclohexane

Concen: 0.20 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

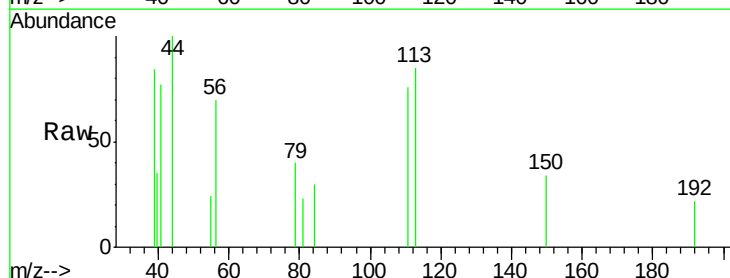
Tgt Ion: 56 Resp: 339

Ion Ratio Lower Upper

56 100

69 0.0 23.4 35.0#

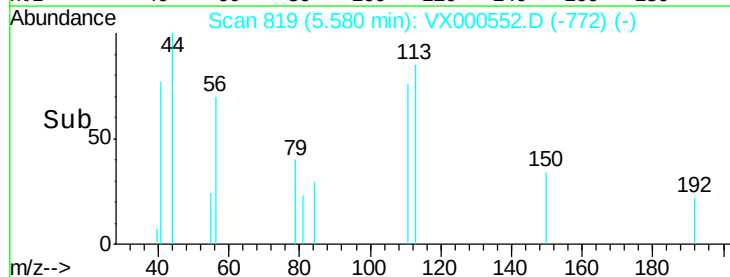
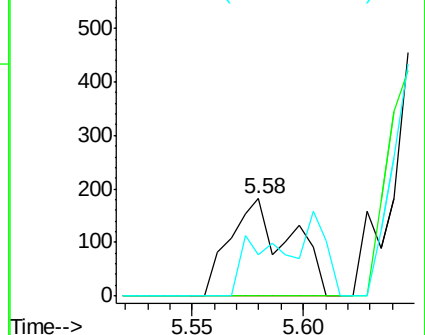
84 42.3 71.0 106.4#

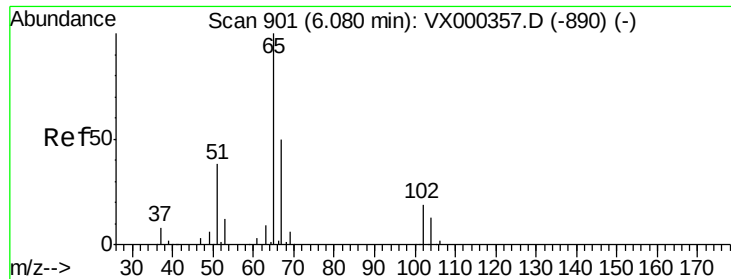


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

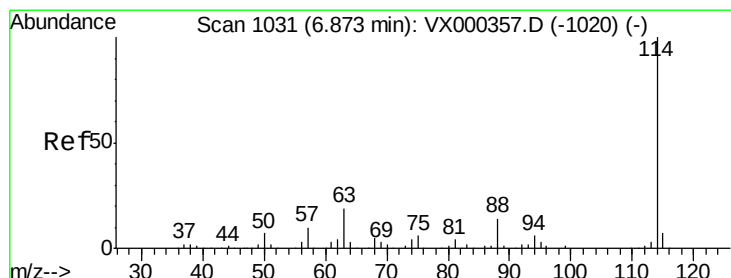
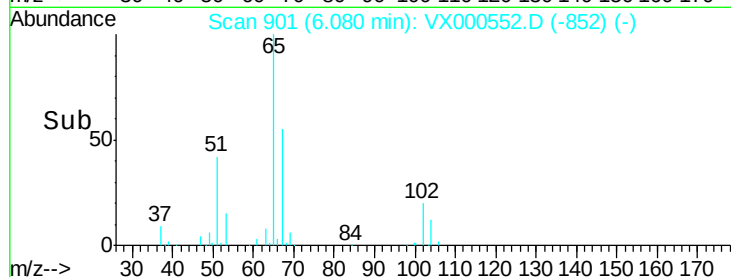
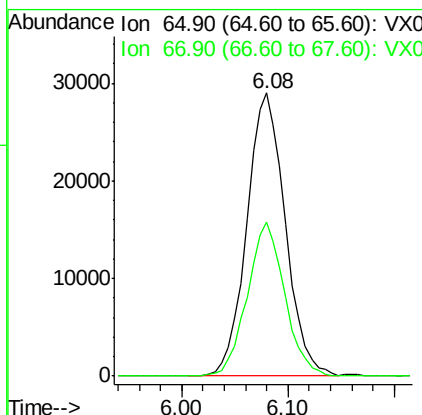
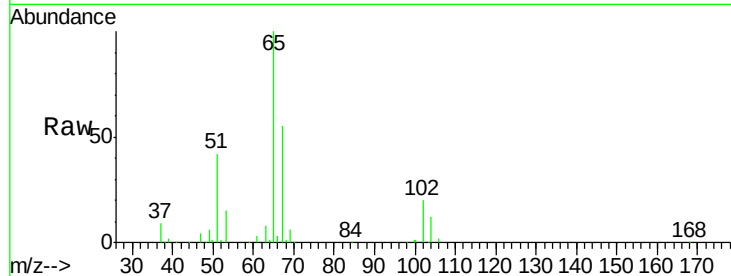




#33
 1,2-Dichloroethane-d4
 Concen: 54.76 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000552.D
 Acq: 30 Mar 2018 08:59

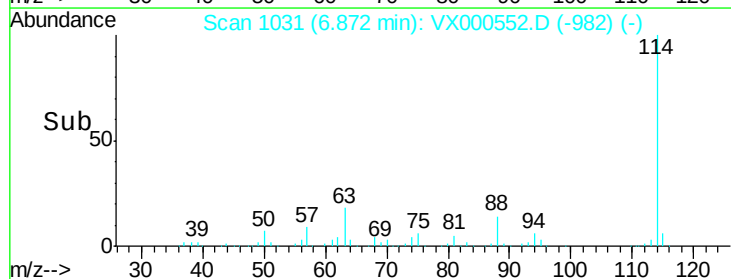
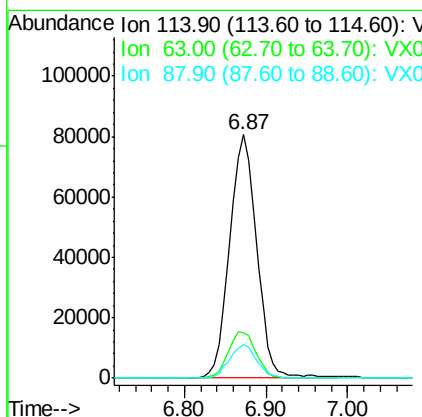
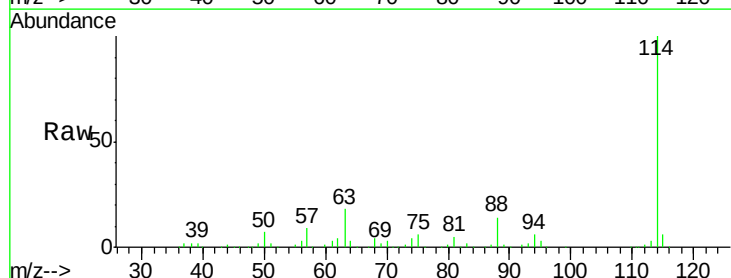
Instrument :
 MSVOA_X
 ClientSampleId :

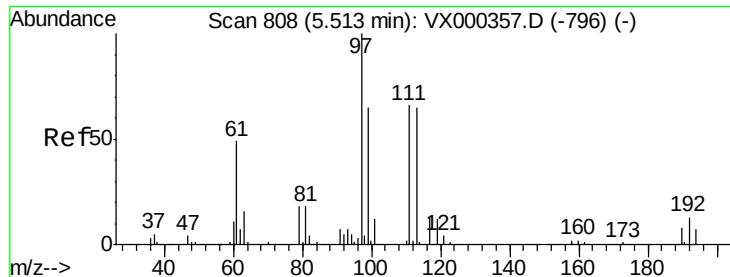
Tot Ion: 65 Resp: 73433
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000552.D
 Acq: 30 Mar 2018 08:59

Tgt Ion: 114 Resp: 184501
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 13.8 0.0 27.0

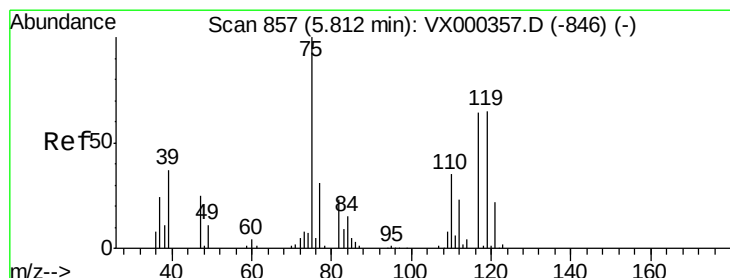
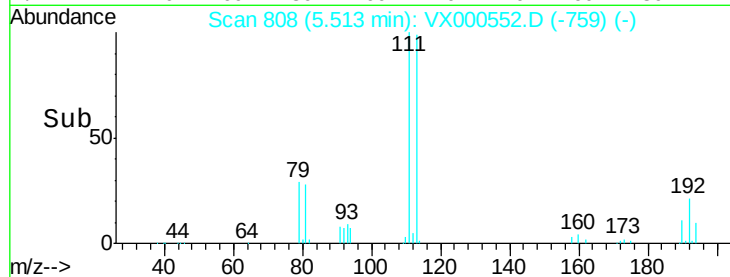
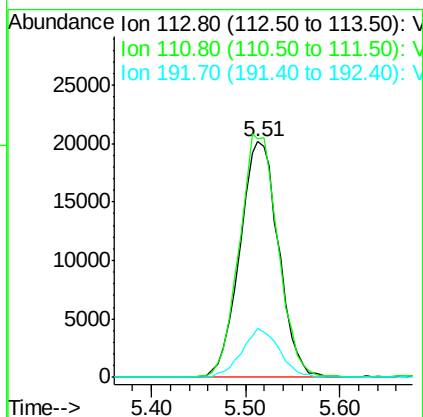
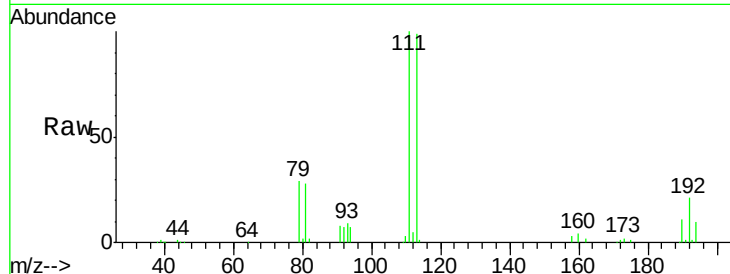




#35
 Dibromofluoromethane
 Concen: 49.90 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000552.D
 Acq: 30 Mar 2018 08:59

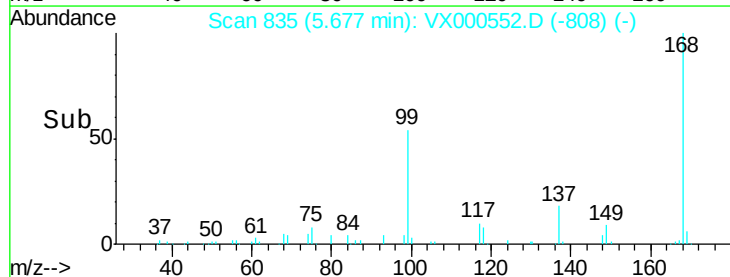
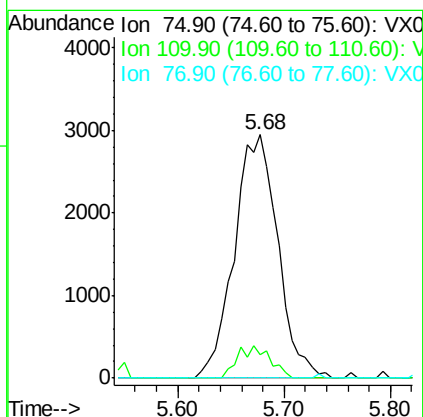
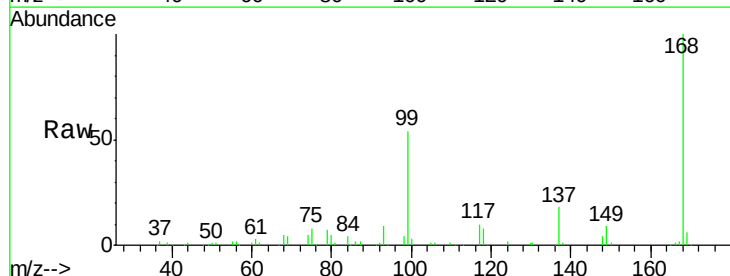
Instrument :
 MSVOA_X
 ClientSampled :

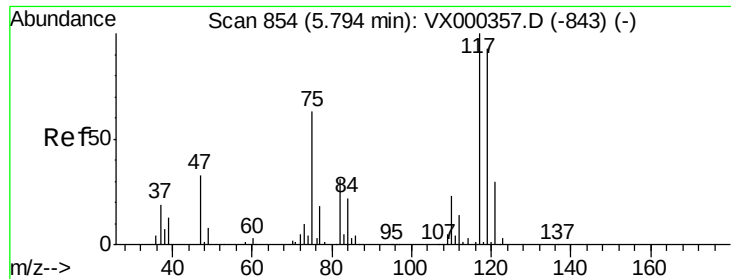
Tot Ion:113 Resp: 58014
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 20.0 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.88 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000552.D
 Acq: 30 Mar 2018 08:59

Tgt Ion: 75 Resp: 8439
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.9 53.7#
 77 0.0 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 5.47 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

Instrument :
MSVOA_X
ClientSampled :

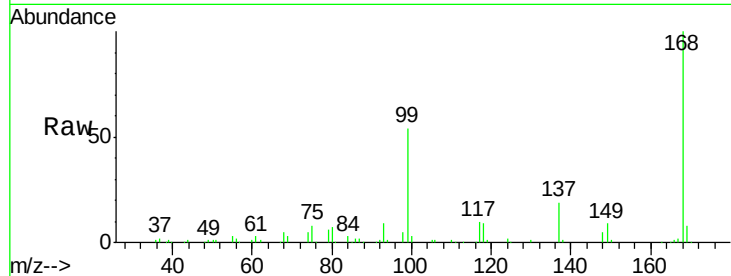
Tot Ion:117 Resp: 9922

Ion Ratio Lower Upper

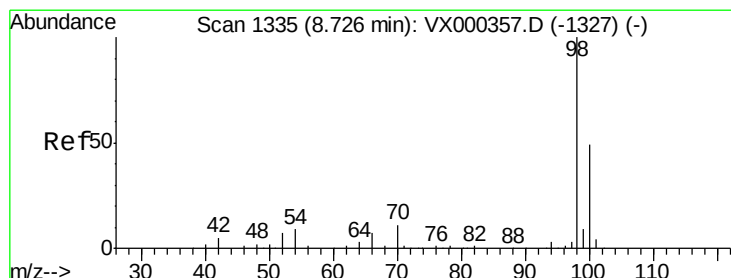
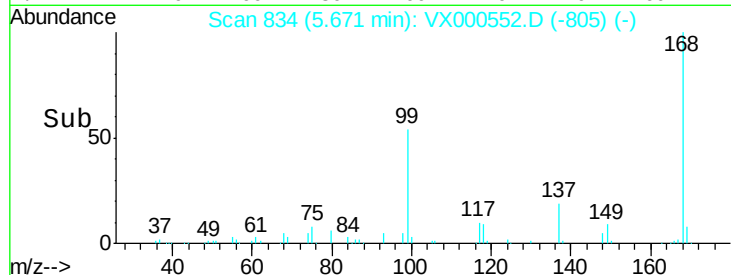
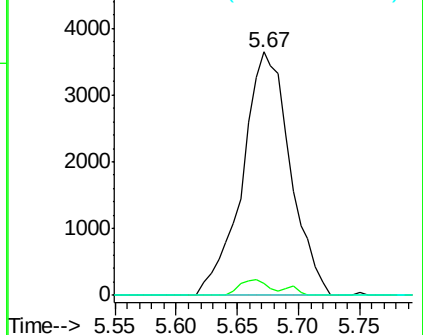
117 100

119 4.9 77.4 116.2#

121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 48.86 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000552.D

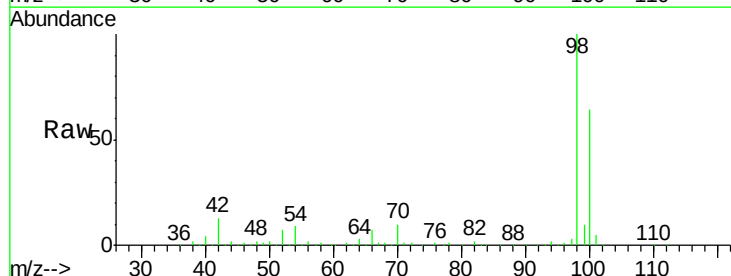
Acq: 30 Mar 2018 08:59

Tgt Ion: 98 Resp: 235232

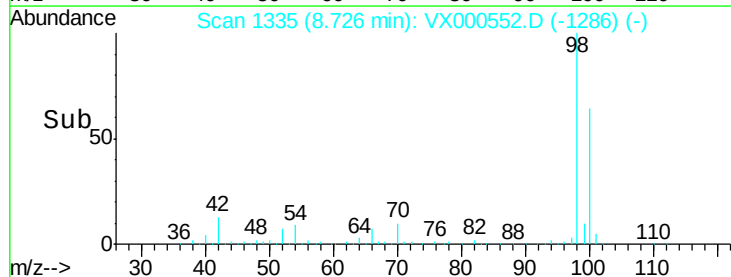
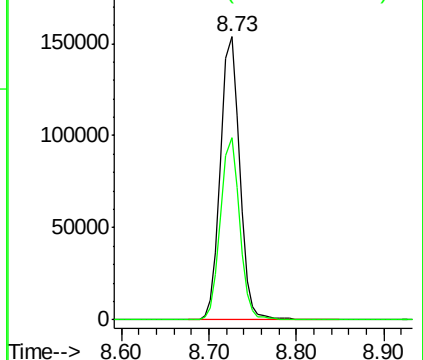
Ion Ratio Lower Upper

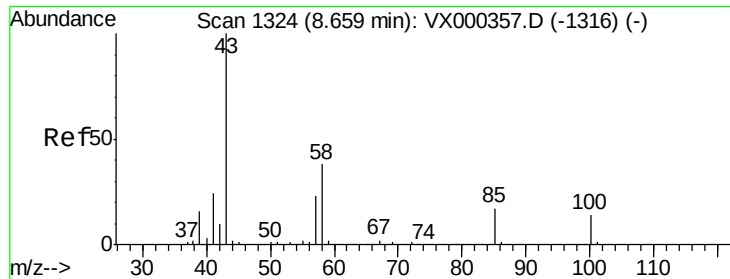
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.41 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

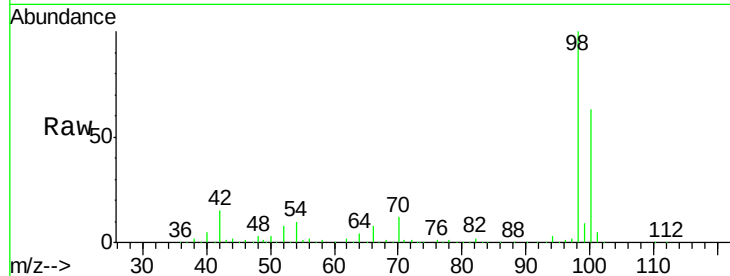
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1107

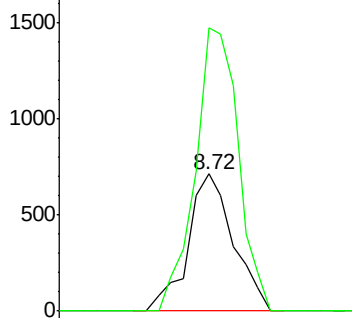
Ion Ratio Lower Upper

43 100

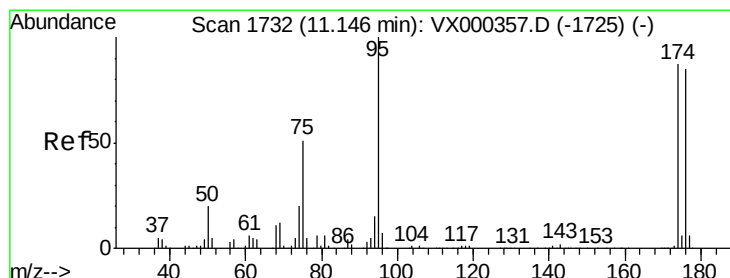
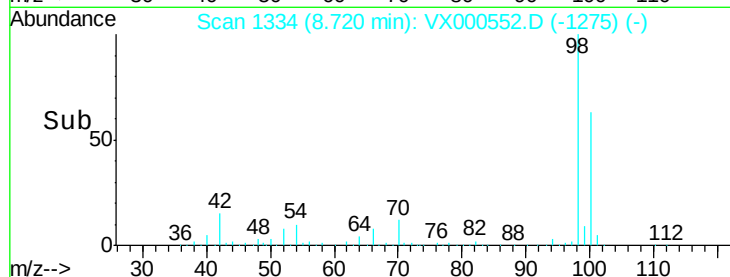
58 195.9 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.65 8.70 8.75



#62

4-Bromofluorobenzene

Concen: 40.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

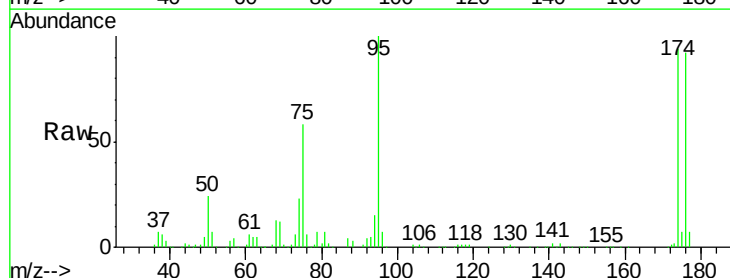
Tgt Ion: 95 Resp: 80804

Ion Ratio Lower Upper

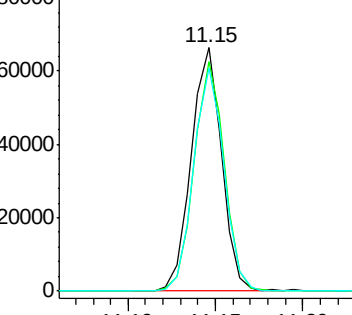
95 100

174 93.3 0.0 173.6

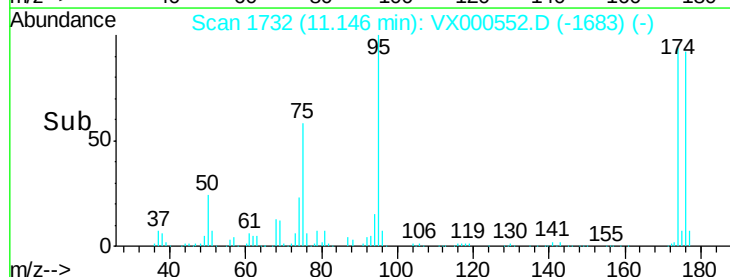
176 91.2 0.0 164.6

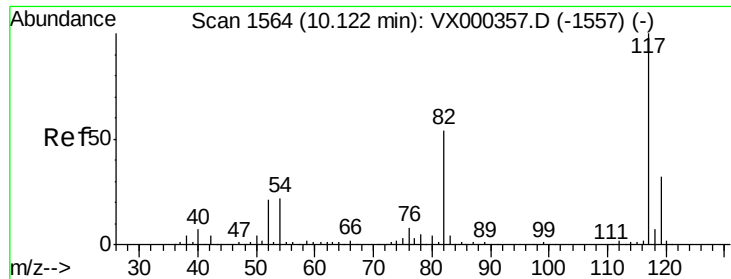


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



Time--> 11.10 11.15 11.20

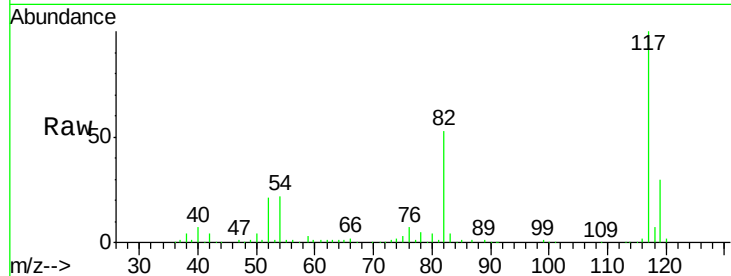




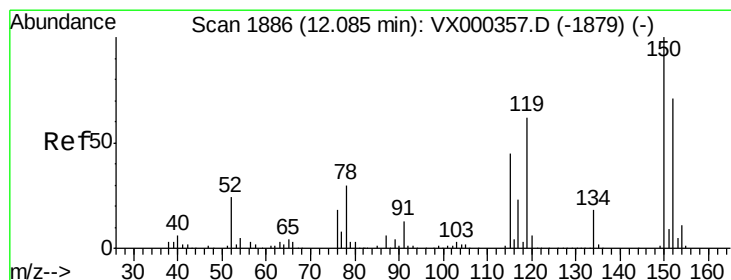
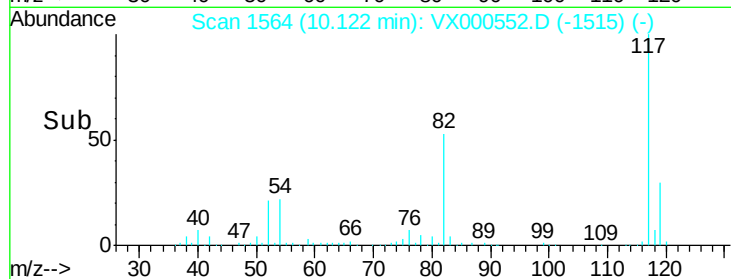
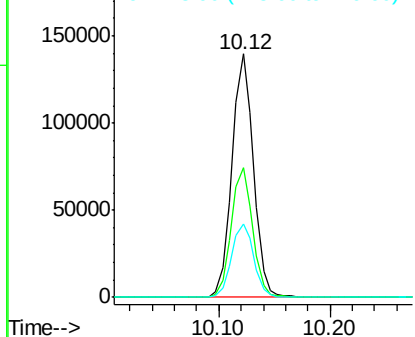
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000552.D
Acq: 30 Mar 2018 08:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 185962
Ion Ratio Lower Upper
117 100
82 53.4 43.8 65.8
119 30.3 24.9 37.3

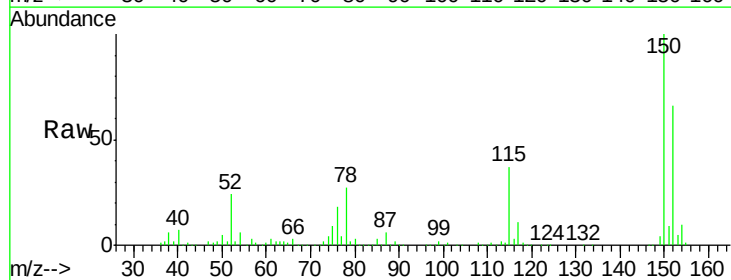


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

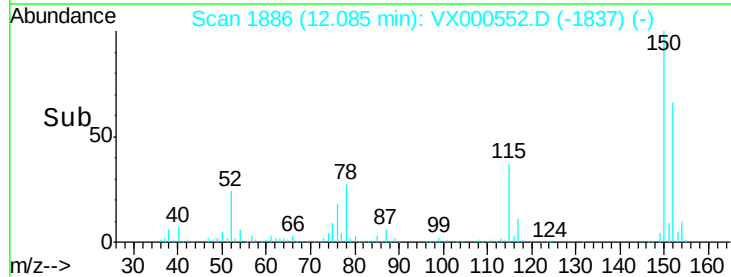
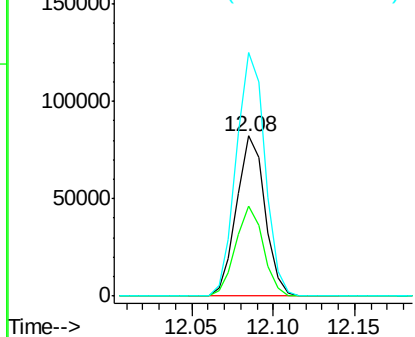


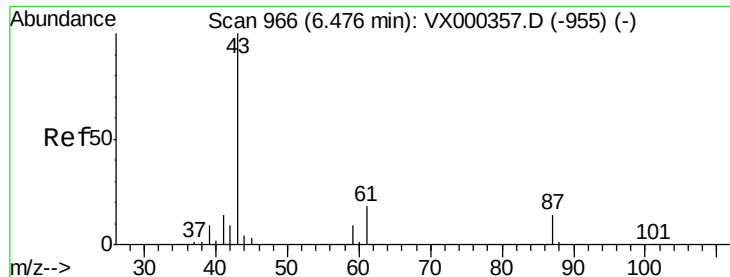
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000552.D
Acq: 30 Mar 2018 08:59

Tgt Ion:152 Resp: 100253
Ion Ratio Lower Upper
152 100
115 54.8 39.8 119.3
150 153.4 0.0 344.4



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





#74

N-amvl acetate

Concen: Below Cal

RT: 6.46 min Scan# 963

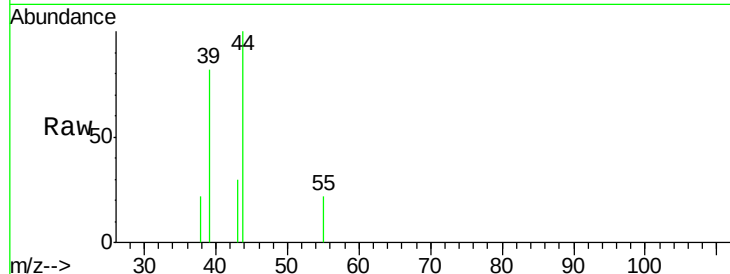
Delta R.T. -0.02 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	70
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	27.1	0.0	0.0#
61	0.0	14.4	21.6#

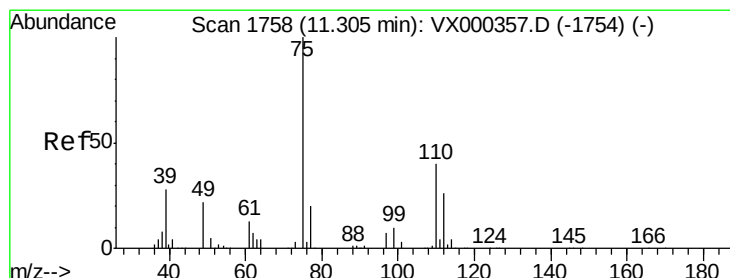
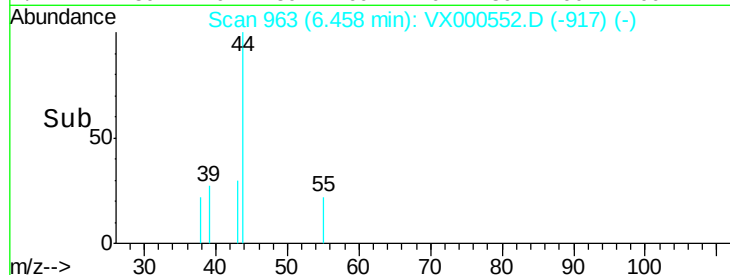
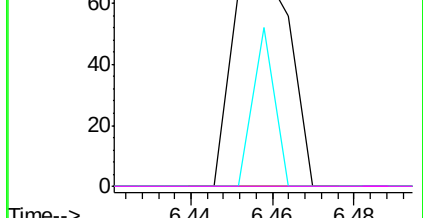


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.00 ug/l

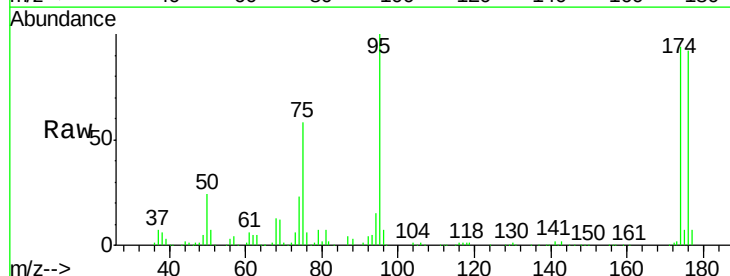
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000552.D

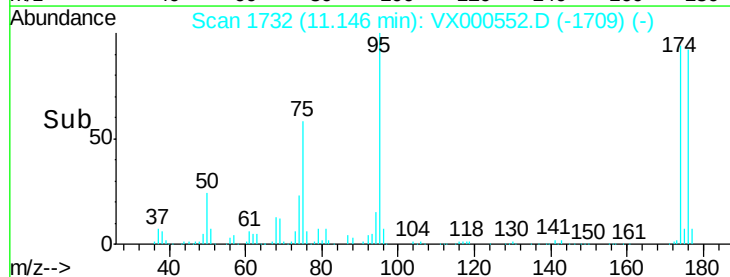
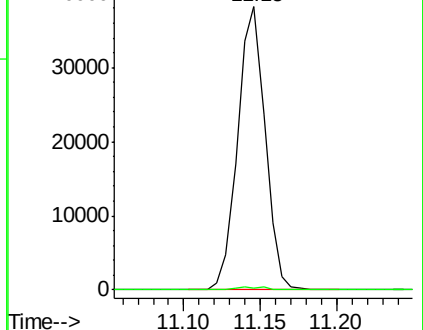
Acq: 30 Mar 2018 08:59

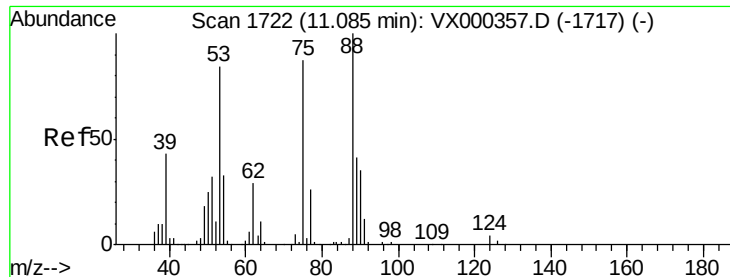
Tgt Ion:	75	Resp:	47399
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.4	64.2#



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: 71.22 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

Instrument :

MSVOA_X

ClientSampleId :

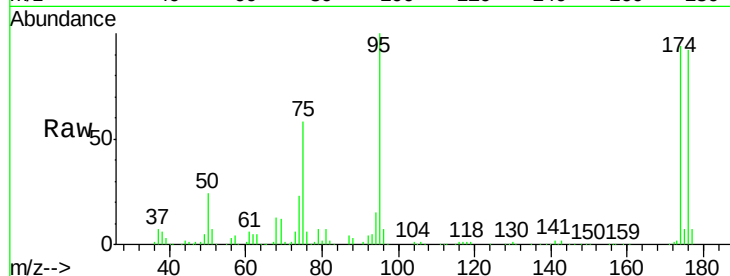
Tot Ion: 75 Resp: 47399

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

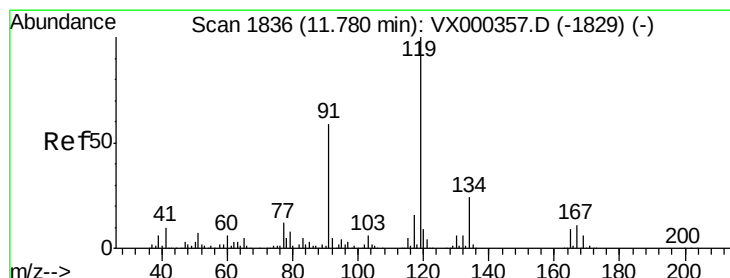
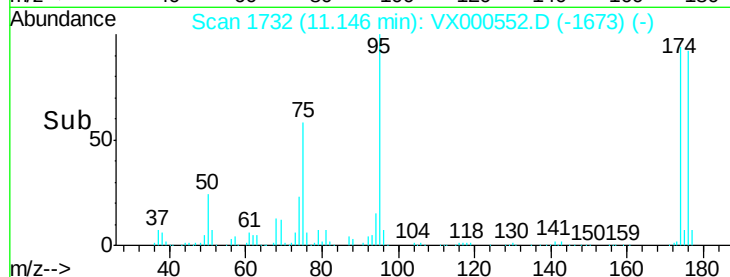
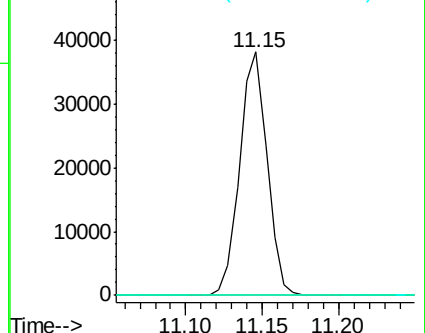
89 0.0 39.4 59.0#



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



#83

tert-Butylbenzene

Concen: 0.20 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

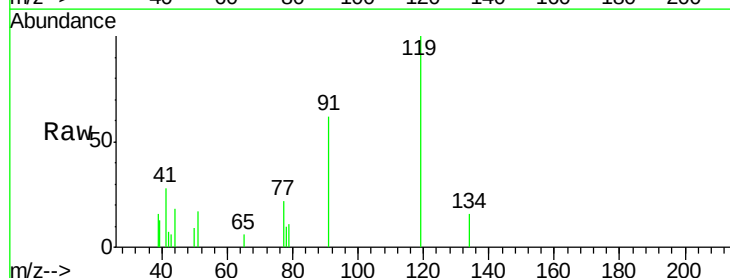
Tgt Ion: 119 Resp: 1139

Ion Ratio Lower Upper

119 100

91 77.6 28.8 86.4

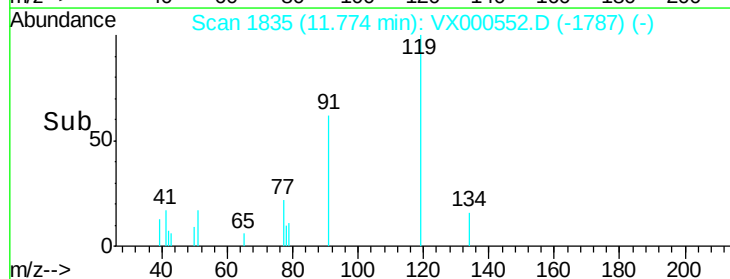
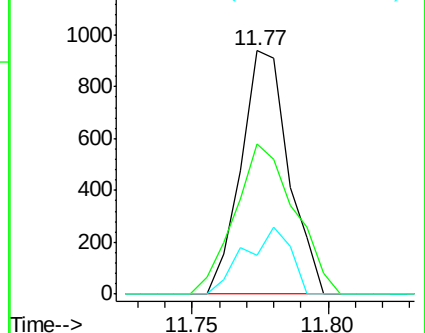
134 26.7 11.4 34.1

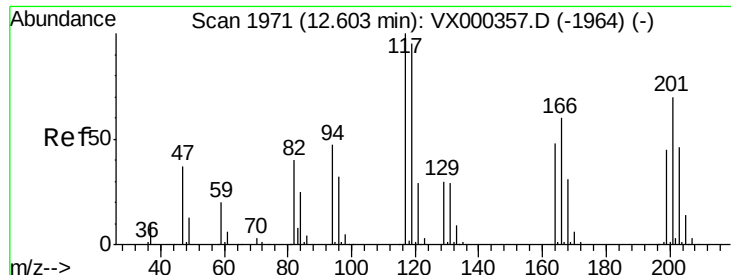


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.53 ug/l

RT: 12.71 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VX000552.D

Acq: 30 Mar 2018 08:59

Instrument :

MSVOA_X

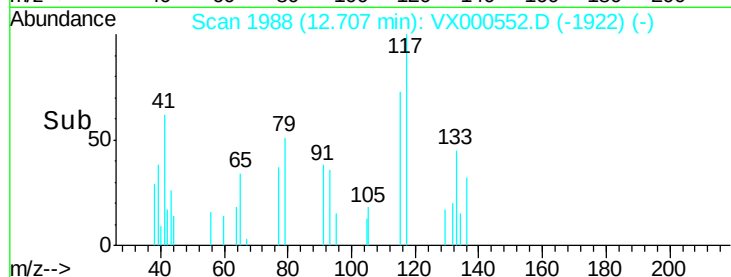
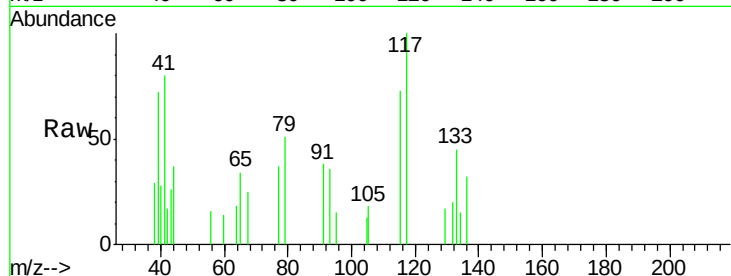
ClientSampleId :

Tot Ion:117 Resp: 512

Ion Ratio Lower Upper

117 100

201 0.0 37.9 113.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

