

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000597.D
 Acq On : 31 Mar 2018 16:59
 Operator : JC/MD
 Sample : J2146-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:18:41 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

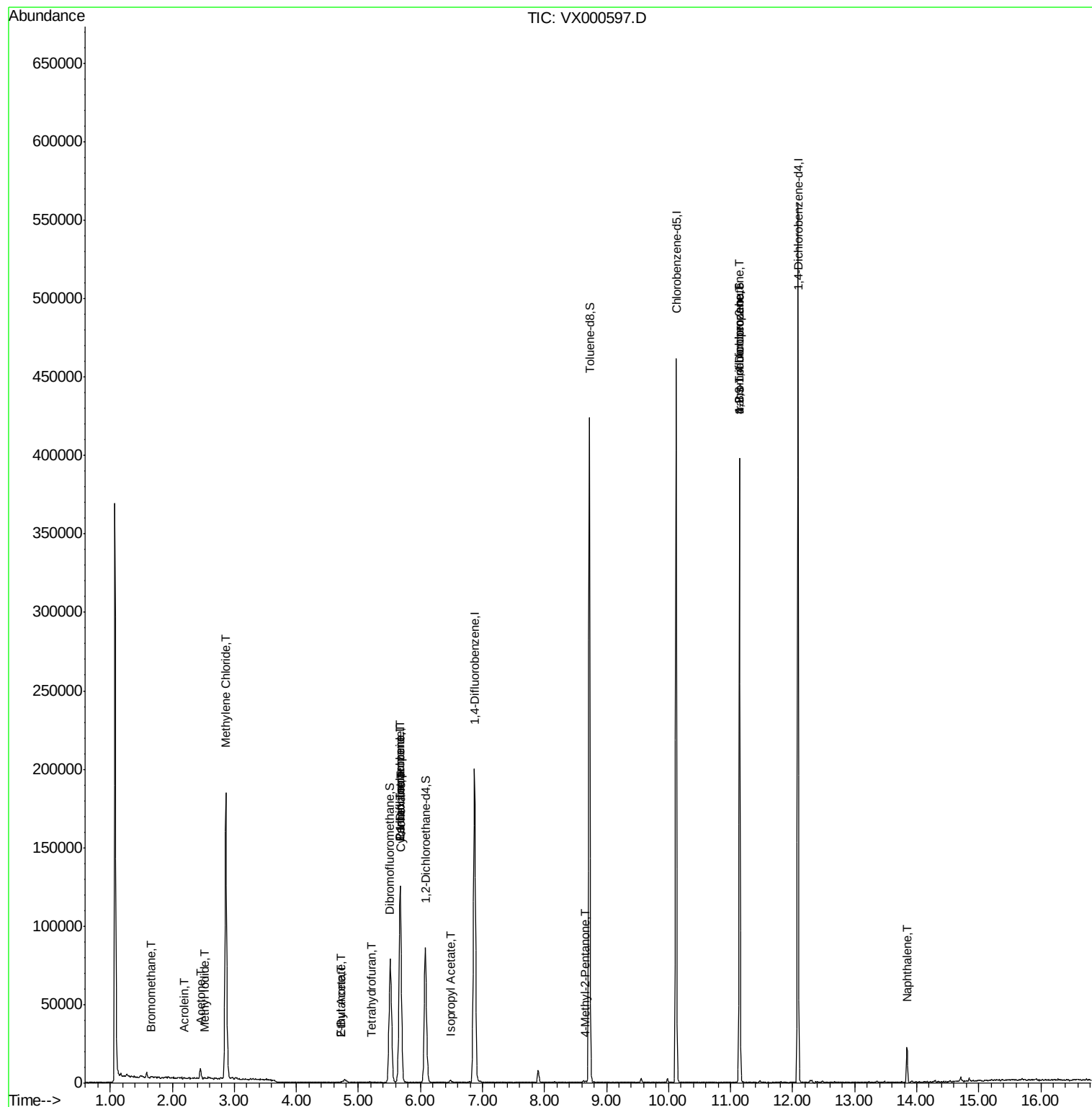
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	115314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	197434	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	194753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	101339	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	78924	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	5.51	113	60604	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.73	98	245245	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.15	95	85971	40.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.58%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	448	0.311	ug/l #	79
6) Chloroethane	1.71	64	133	Below Cal	#	44
10) Methyl Iodide	2.52	142	90	4.334	ug/l #	42
13) Acrolein	2.18	56	50	14.863	ug/l #	66
14) Allyl chloride	2.75	41	195	Below Cal	#	49
16) Acetone	2.45	43	7570	6.045	ug/l #	86
20) Methylene Chloride	2.86	84	82832	57.272	ug/l	97
25) 2-Butanone	4.72	43	1361	0.967	ug/l	98
29) Tetrahydrofuran	5.20	42	409	0.472	ug/l #	31
31) Cyclohexane	5.68	56	2713	1.429	ug/l #	48
36) 1,1-Dichloropropene	5.67	75	9170	4.958	ug/l #	52
37) Ethyl Acetate	4.72	43	1361	0.539	ug/l #	69
38) Carbon Tetrachloride	5.68	117	11932	6.150	ug/l #	15
43) Isopropyl Acetate	6.49	43	1405	0.374	ug/l #	84
51) 4-Methyl-2-Pentanone	8.65	43	985	0.338	ug/l #	64
74) N-amyl acetate	6.49	43	1405	Below Cal	#	79
76) 1,2,3-Trichloropropane	11.15	75	49818	22.874	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	49818	74.058	ug/l #	9
95) Naphthalene	13.84	128	12963	1.566	ug/l #	94

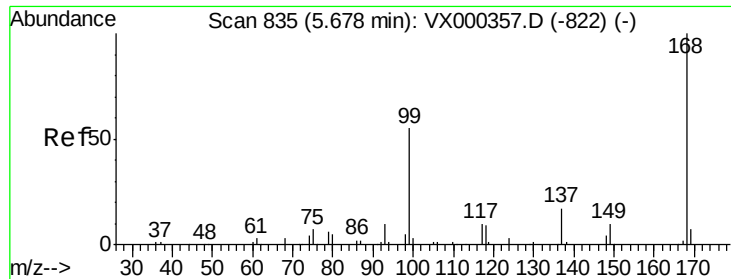
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000597.D

Acq: 31 Mar 2018 16:59

Instrument :

MSVOA_X

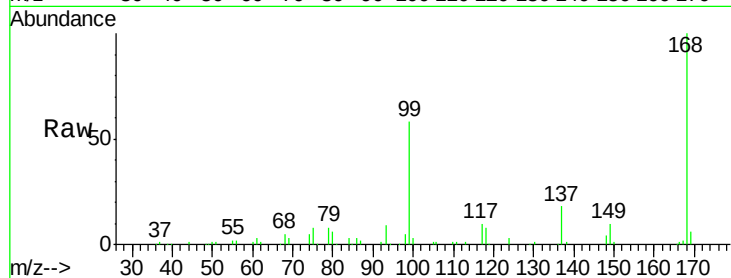
ClientSampleId :

Tot Ion:168 Resp: 115314

Ion Ratio Lower Upper

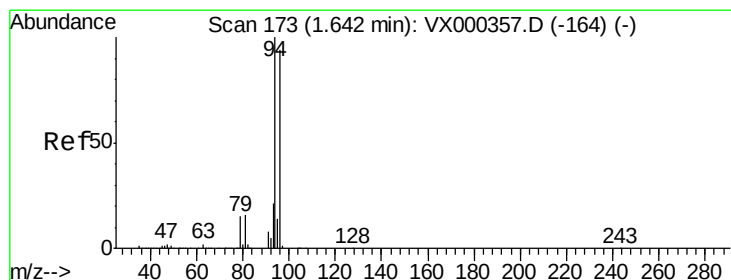
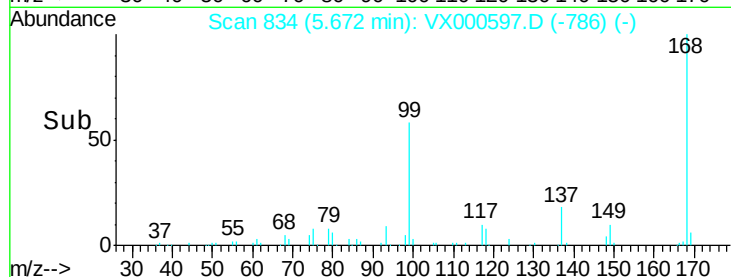
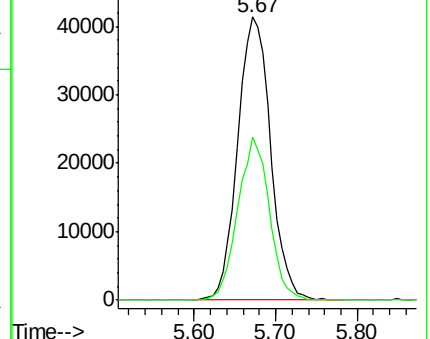
168 100

99 57.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.311 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000597.D

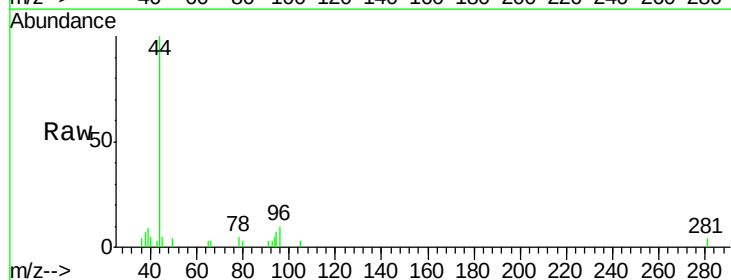
Acq: 31 Mar 2018 16:59

Tgt Ion: 94 Resp: 448

Ion Ratio Lower Upper

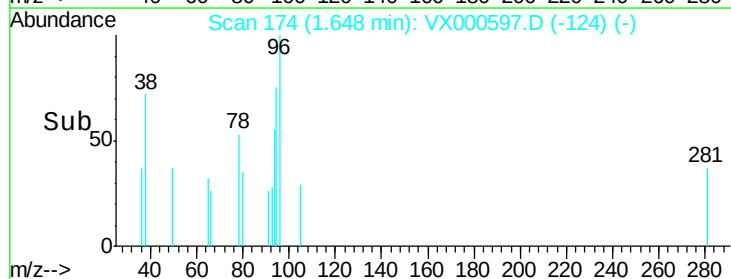
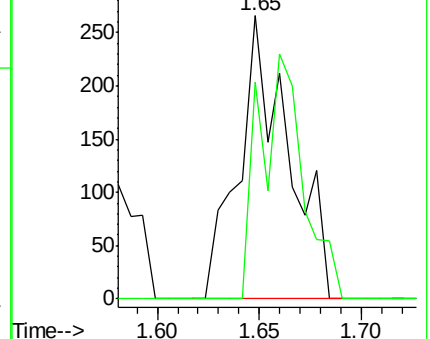
94 100

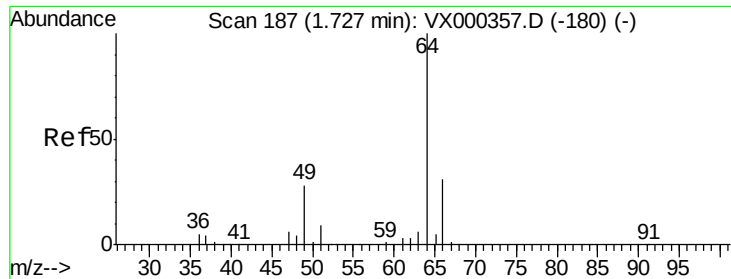
96 76.7 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000597.D

Acq: 31 Mar 2018 16:59

Instrument :

MSVOA_X

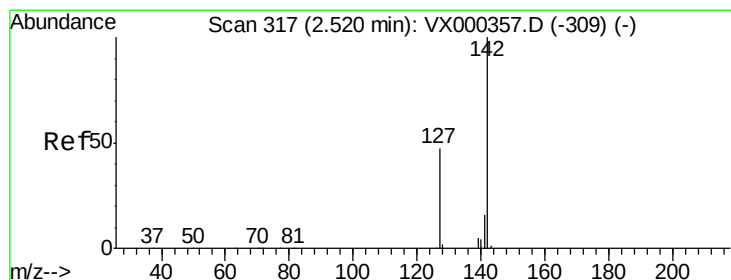
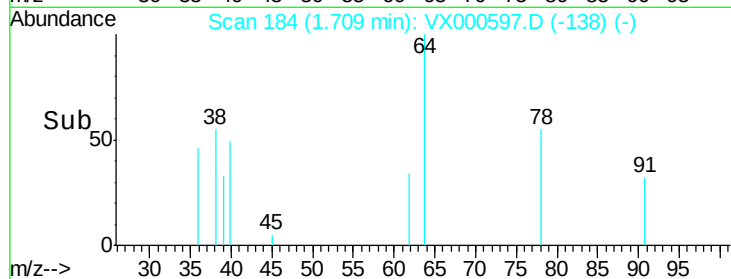
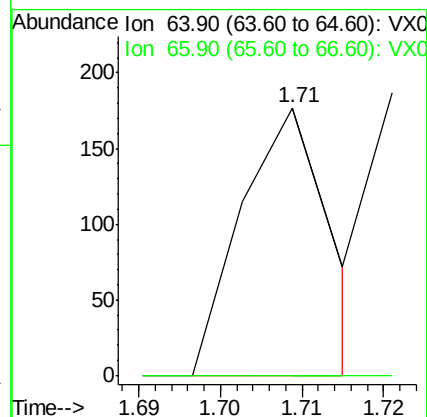
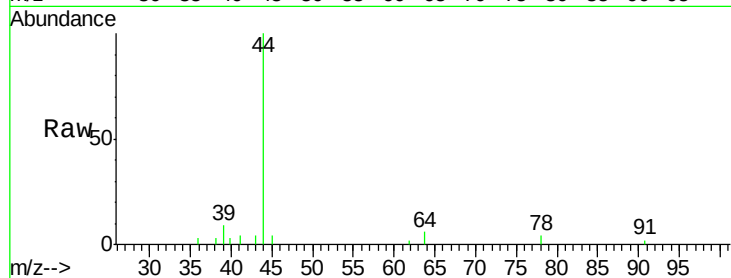
ClientSampled :

Tot Ion: 64 Resp: 133

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#10

Methyl Iodide

Concen: 4.334 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000597.D

Acq: 31 Mar 2018 16:59

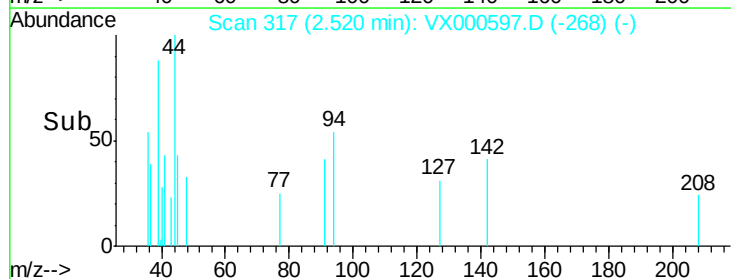
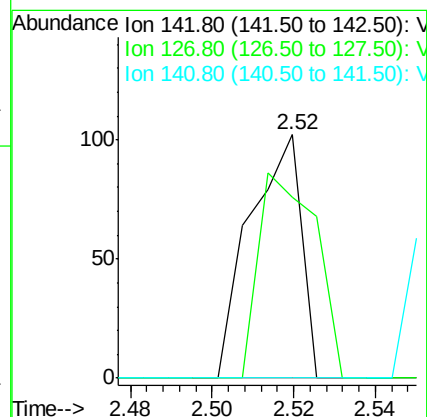
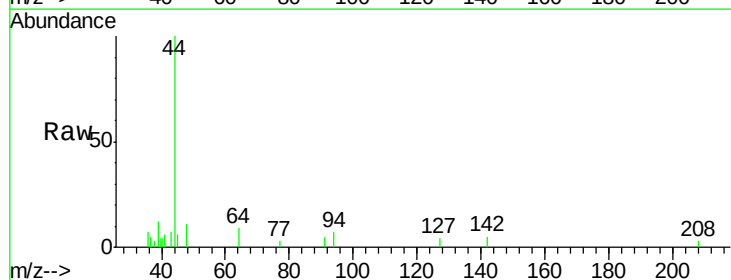
Tgt Ion:142 Resp: 90

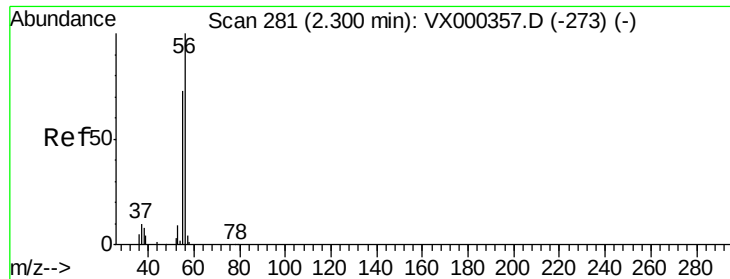
Ion Ratio Lower Upper

142 100

127 93.3 39.2 58.8#

141 0.0 11.7 17.5#





#13

Acrolein

Concen: 14.863 ug/l

RT: 2.18 min Scan# 261

Delta R.T. -0.12 min

Lab File: VX000597.D

Acq: 31 Mar 2018 16:59

Instrument :

MSVOA_X

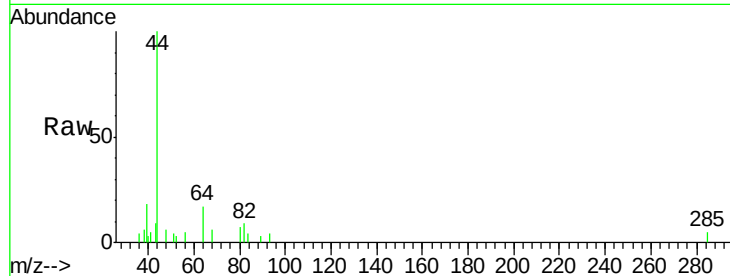
ClientSampleId :

Tot Ion: 56 Resp: 50

Ion Ratio Lower Upper

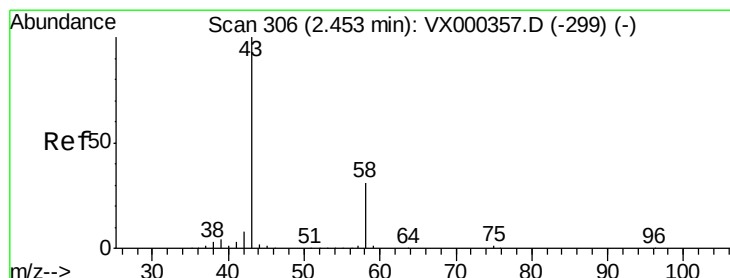
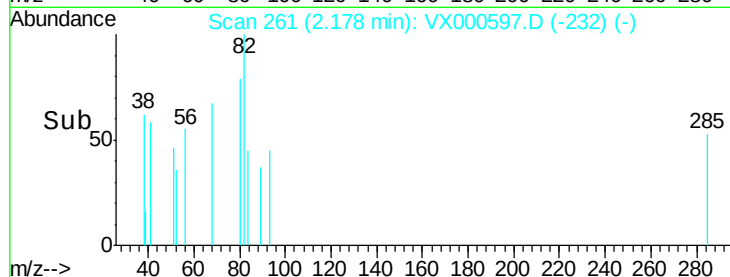
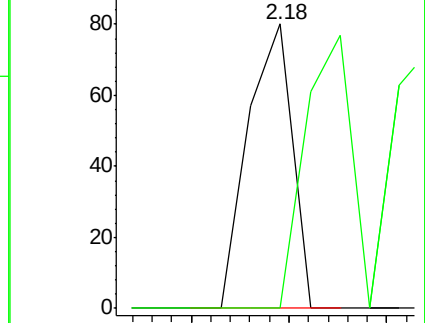
56 100

55 102.0 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: 6.045 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000597.D

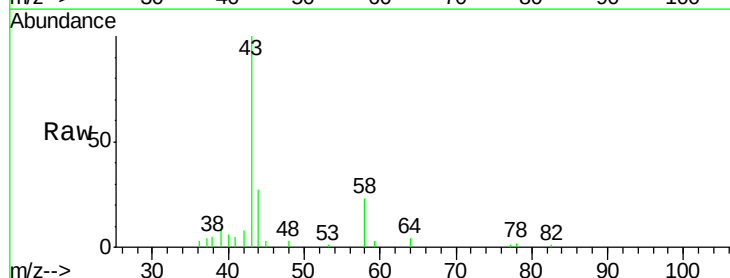
Acq: 31 Mar 2018 16:59

Tgt Ion: 43 Resp: 7570

Ion Ratio Lower Upper

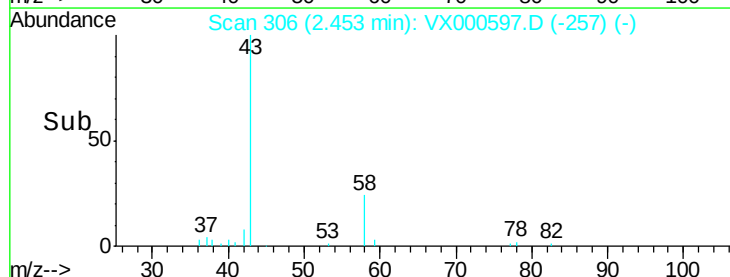
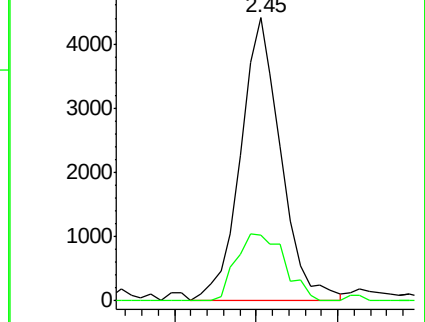
43 100

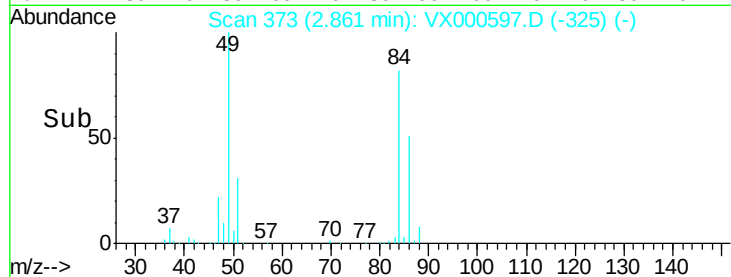
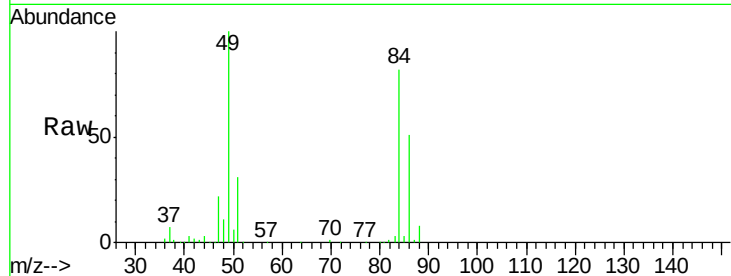
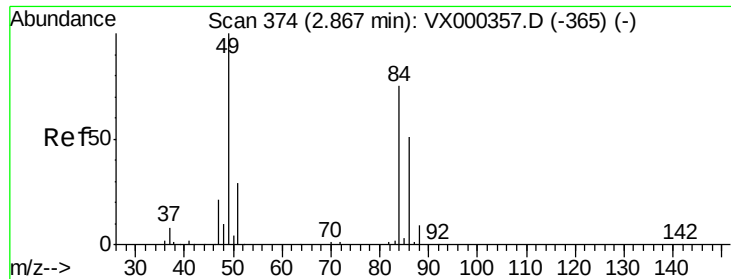
58 23.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

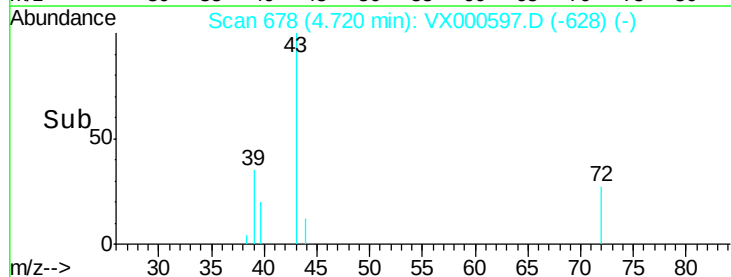
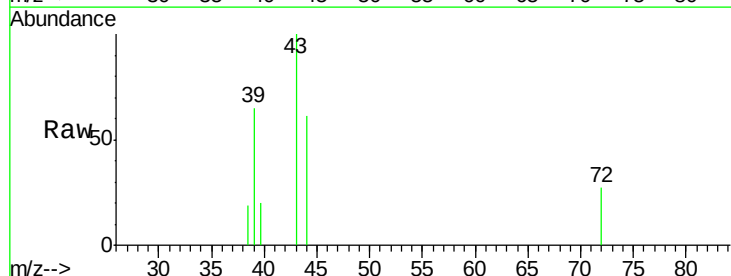
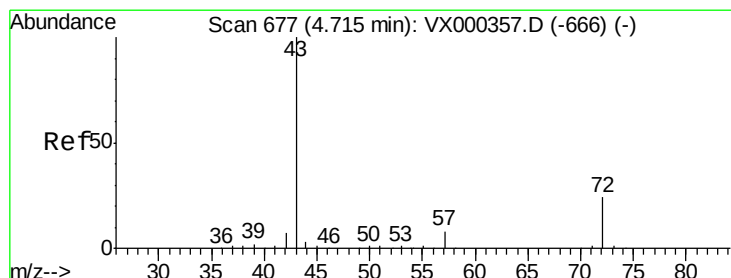
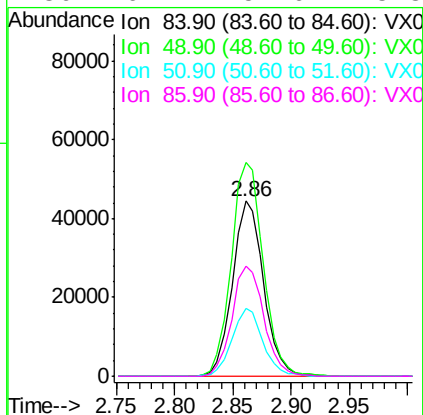




#20
Methylene Chloride
Concen: 57.272 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

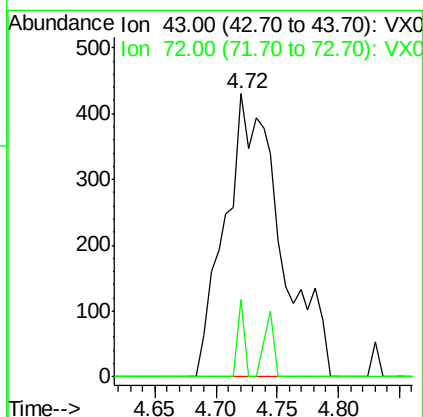
Instrument :
MSVOA_X
ClientSampled :

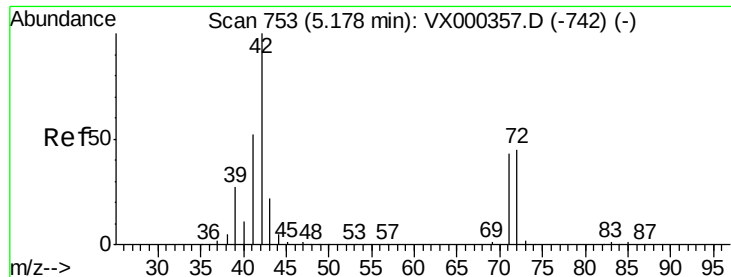
Tot Ion: 84 Resp: 82832
Ion Ratio Lower Upper
84 100
49 122.0 100.6 151.0
51 38.4 31.6 47.4
86 62.7 52.6 78.8



#25
2-Butanone
Concen: 0.967 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.6

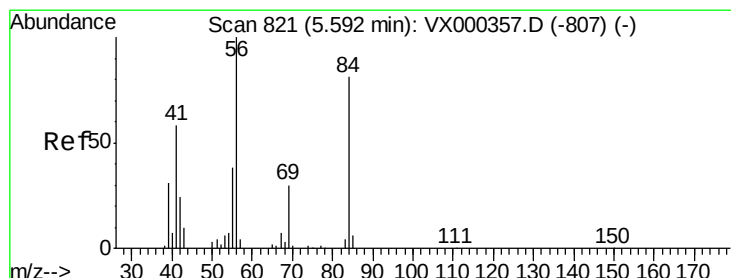
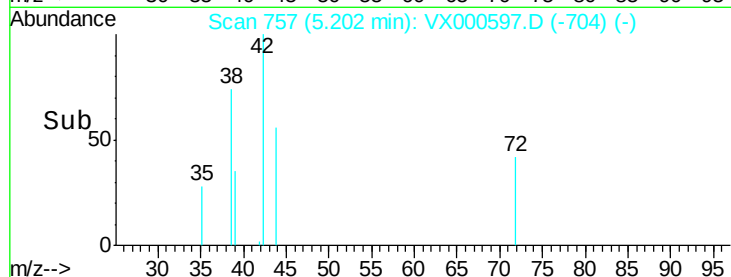
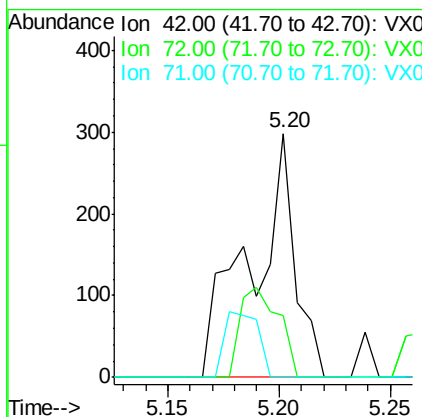
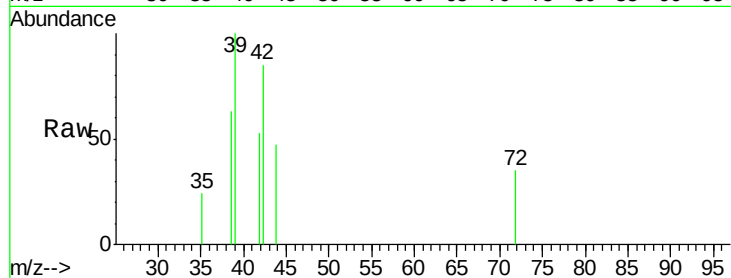




#29
Tetrahydrofuran
Concen: 0.472 ug/l
RT: 5.20 min Scan# 757
Delta R.T. 0.02 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

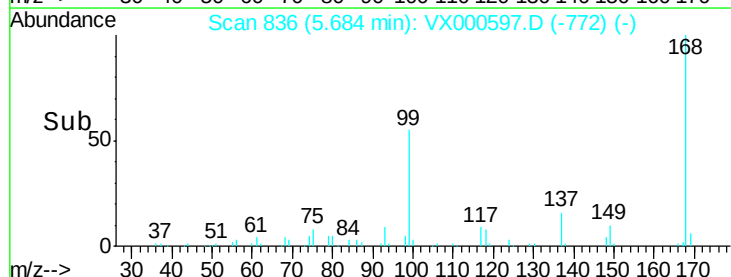
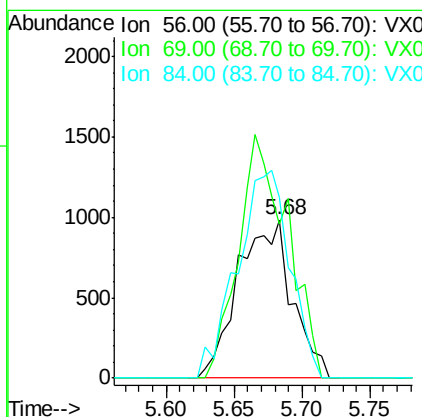
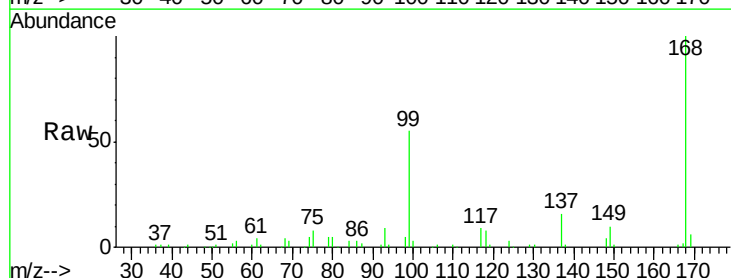
Instrument :
MSVOA_X
ClientSampleId :

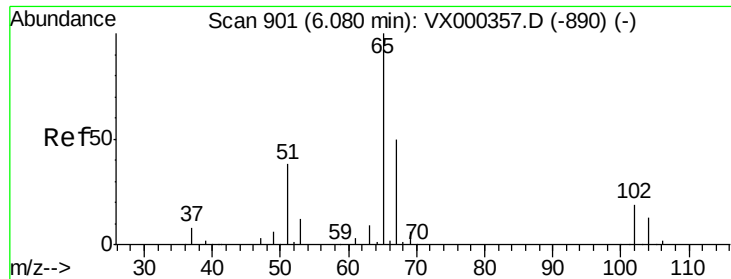
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.9	56.9#
71	0.0	34.4	51.6#



#31
Cyclohexane
Concen: 1.429 ug/l
RT: 5.68 min Scan# 836
Delta R.T. 0.09 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

Tgt Ion	Ratio	Lower	Upper
56	100		
69	97.4	23.4	35.0#
84	113.9	71.0	106.4#

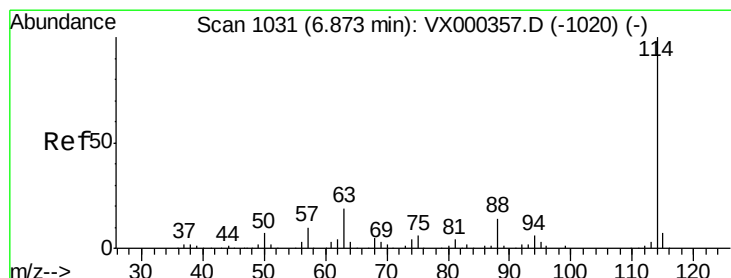
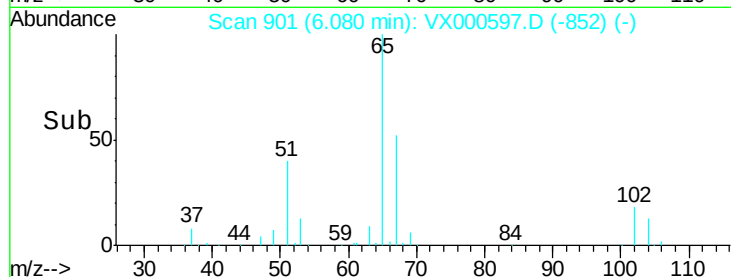
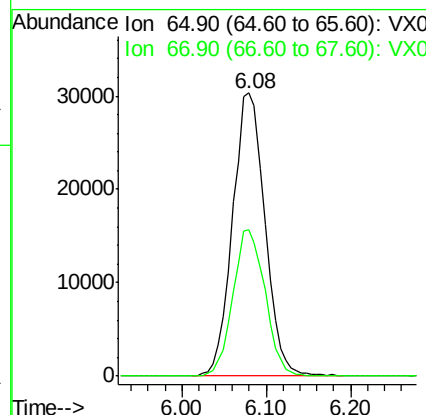
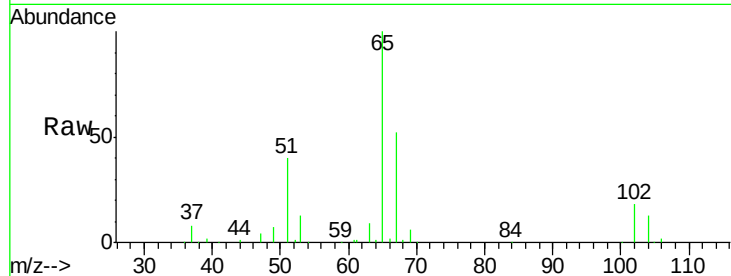




#33
 1,2-Dichloroethane-d4
 Concen: 52.432 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000597.D
 Acq: 31 Mar 2018 16:59

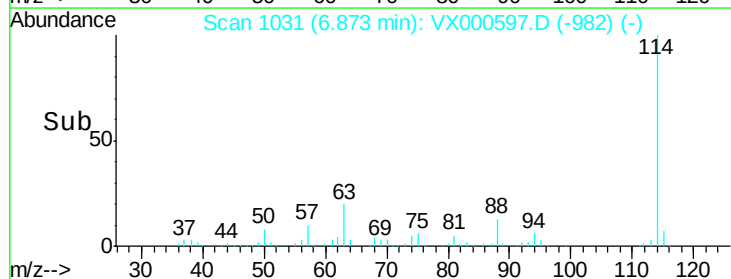
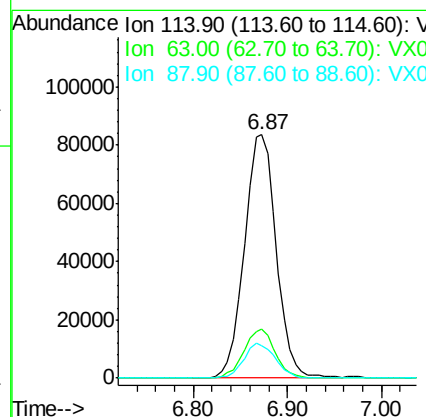
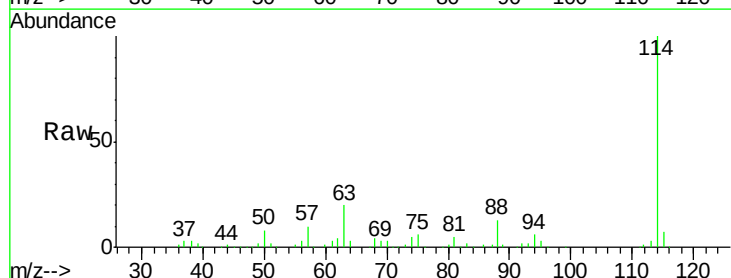
Instrument :
 MSVOA_X
 ClientSampleId :

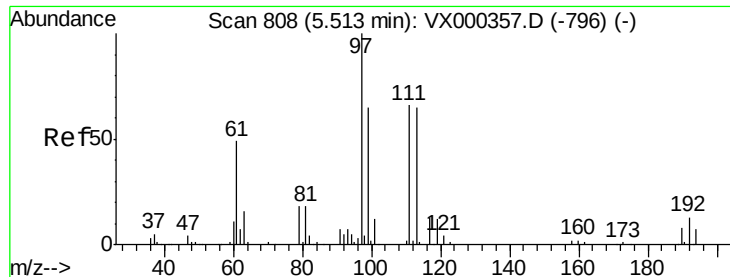
Tot Ion: 65 Resp: 78924
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000597.D
 Acq: 31 Mar 2018 16:59

Tgt Ion: 114 Resp: 197434
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.4
 88 13.4 0.0 27.0

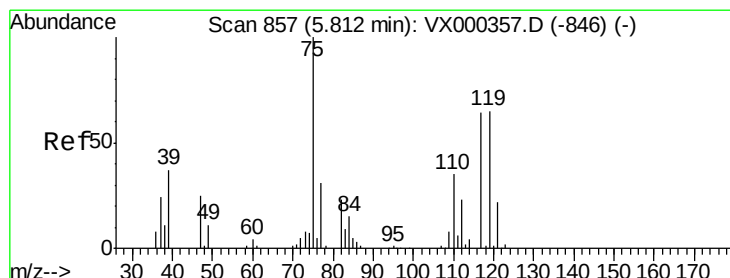
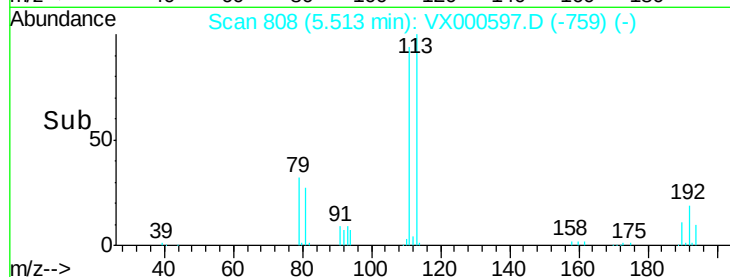
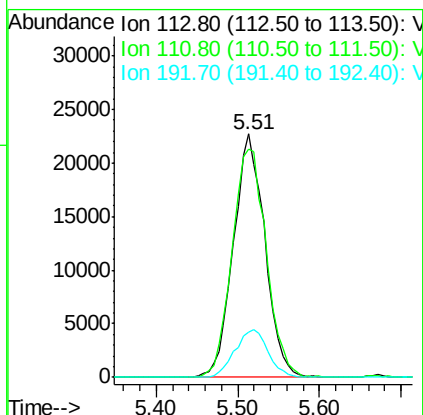
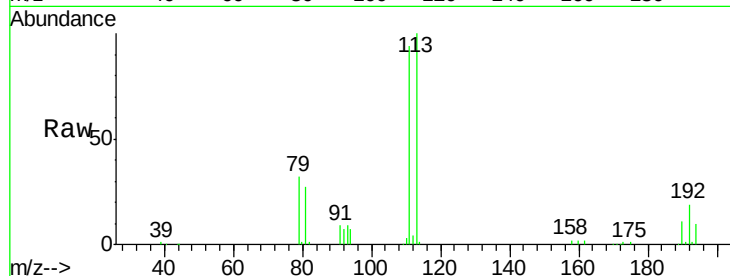




#35
 Dibromofluoromethane
 Concen: 48.717 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000597.D
 Acq: 31 Mar 2018 16:59

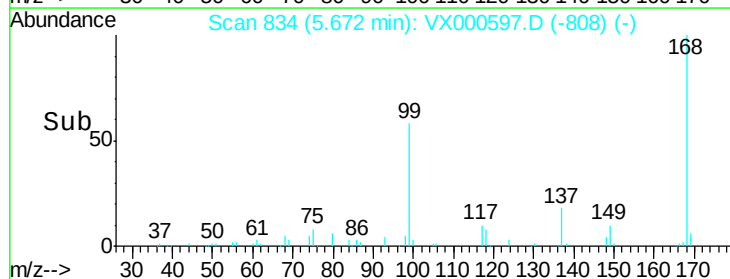
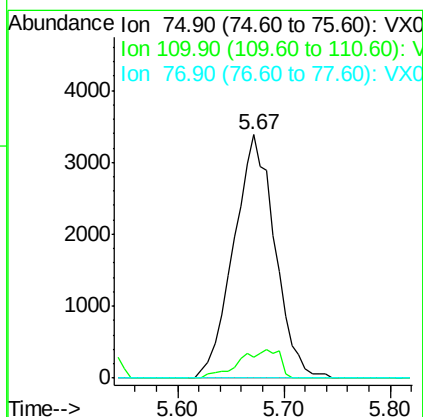
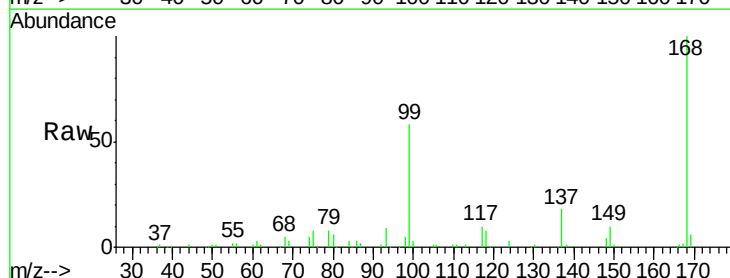
Instrument :
 MSVOA_X
 ClientSampled :

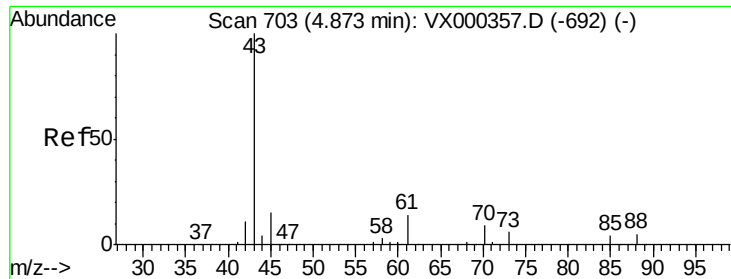
Tot Ion:113 Resp: 60604
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 20.6 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000597.D
 Acq: 31 Mar 2018 16:59

Tgt Ion: 75 Resp: 9170
 Ion Ratio Lower Upper
 75 100
 110 11.7 17.9 53.7#
 77 0.0 24.0 36.0#

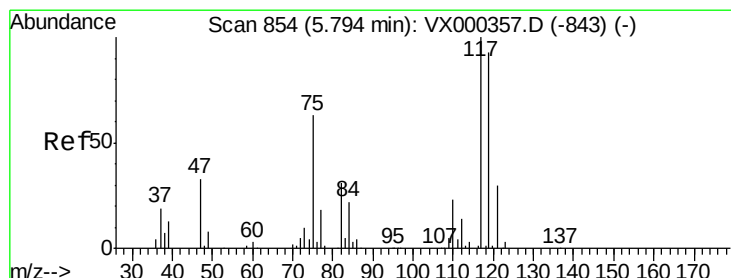
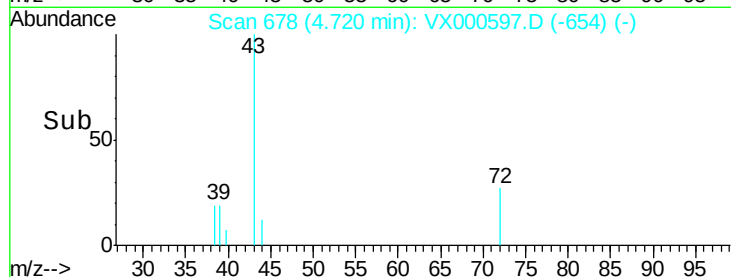
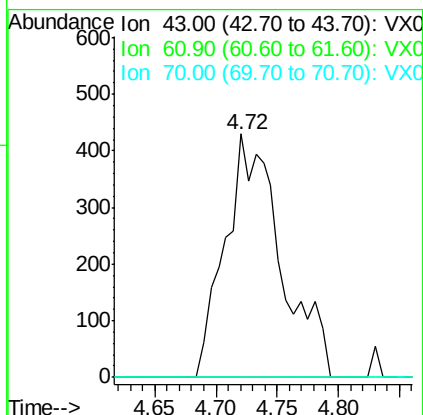
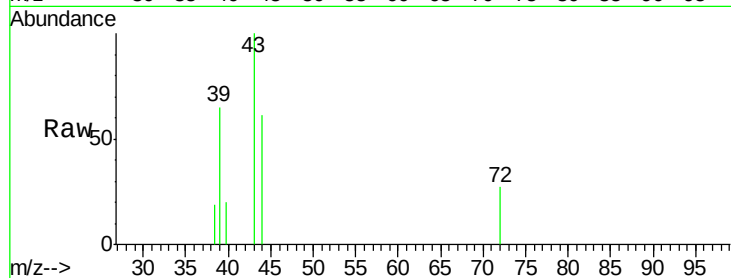




#37
Ethyl Acetate
Concen: 0.539 ug/l
RT: 4.72 min Scan# 678
Delta R.T. -0.15 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

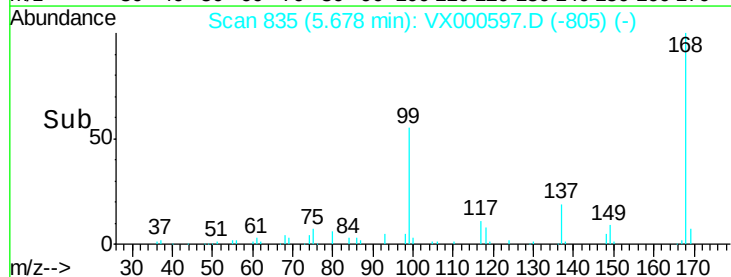
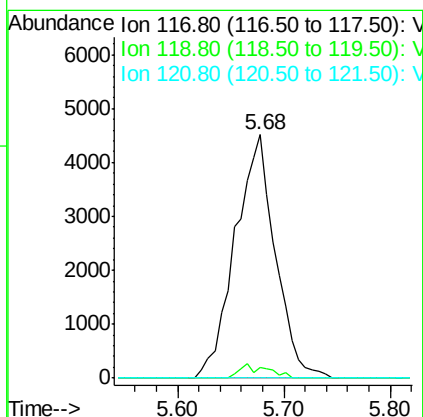
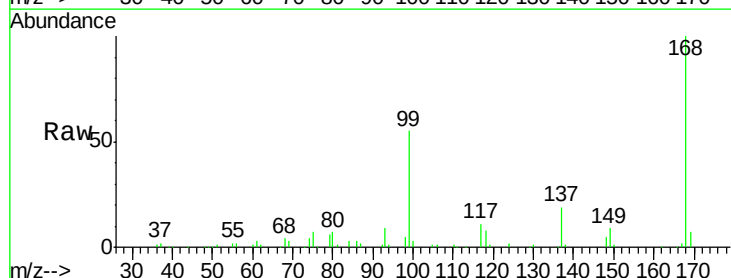
Instrument :
MSVOA_X
ClientSampleId :

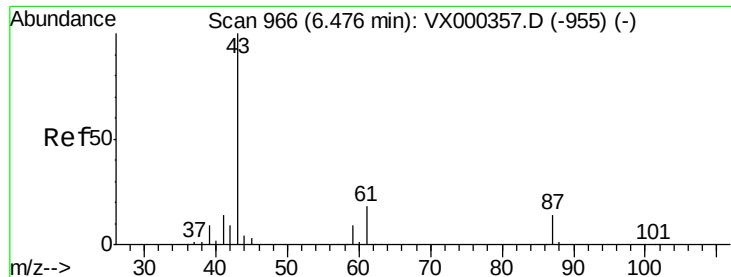
Tot Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.150 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

Tgt Ion: 117 Resp: 11932
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.2#
121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.374 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000597.D

Acq: 31 Mar 2018 16:59

Instrument :

MSVOA_X

ClientSampleId :

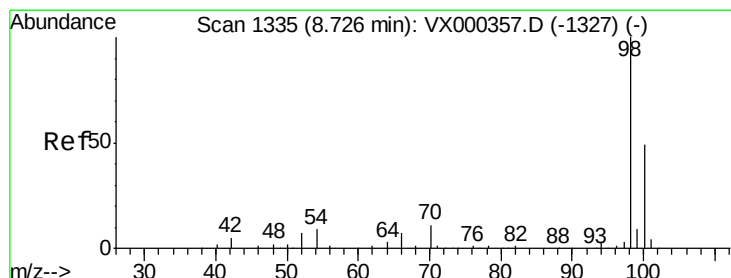
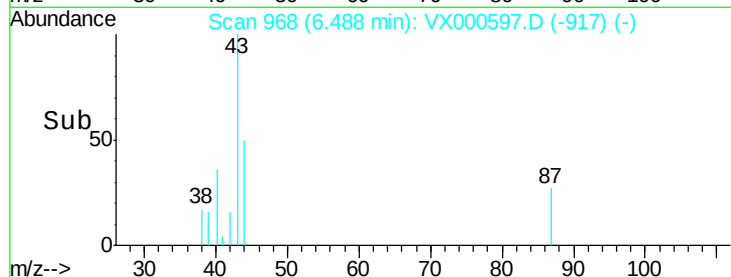
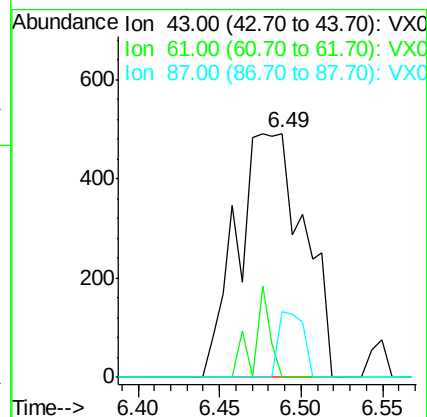
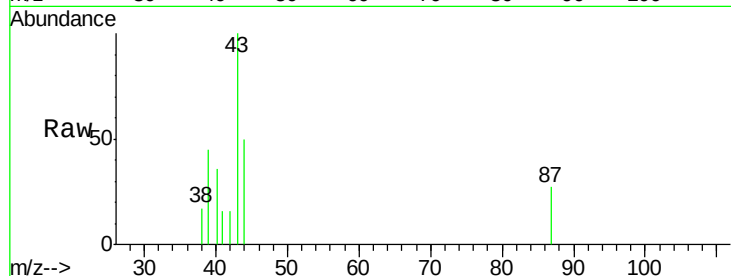
Tot Ion: 43 Resp: 1405

Ion Ratio Lower Upper

43 100

61 8.9 14.4 21.6#

87 9.6 11.0 16.4#



#50

Toluene-d8

Concen: 47.600 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000597.D

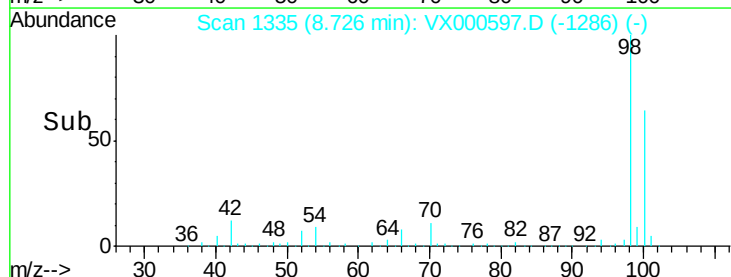
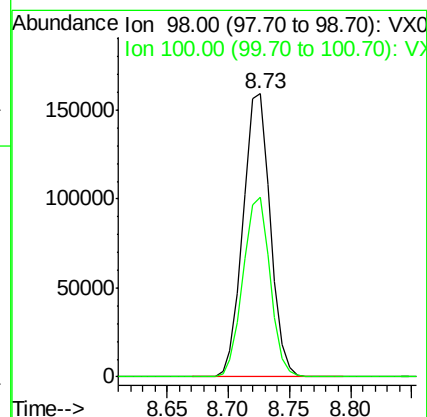
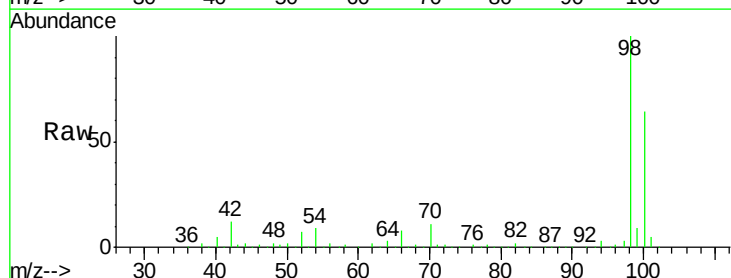
Acq: 31 Mar 2018 16:59

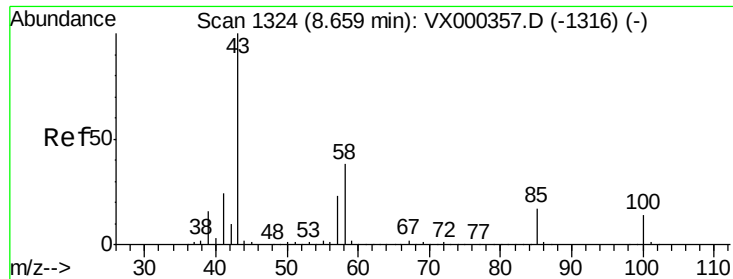
Tgt Ion: 98 Resp: 245245

Ion Ratio Lower Upper

98 100

100 63.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.338 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX000597.D

Acq: 31 Mar 2018 16:59

Instrument :

MSVOA_X

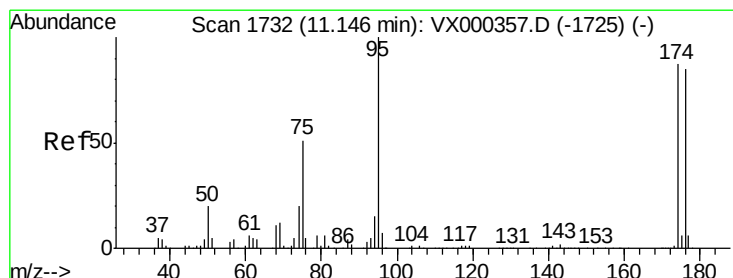
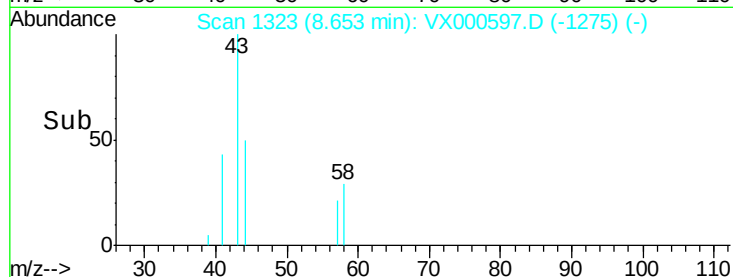
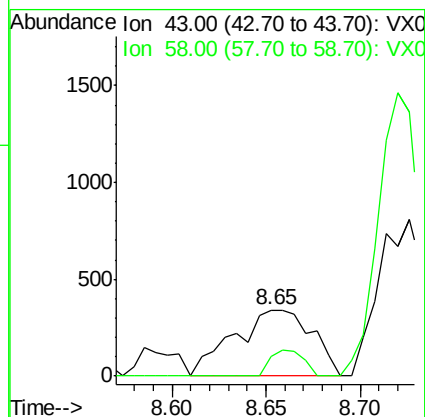
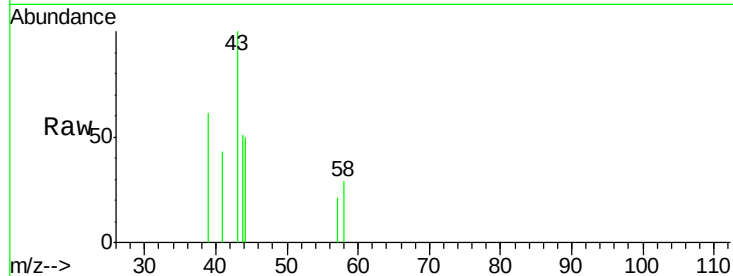
ClientSampleId :

Tot Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

58 16.3 30.3 45.5#



#62

4-Bromofluorobenzene

Concen: 40.787 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000597.D

Acq: 31 Mar 2018 16:59

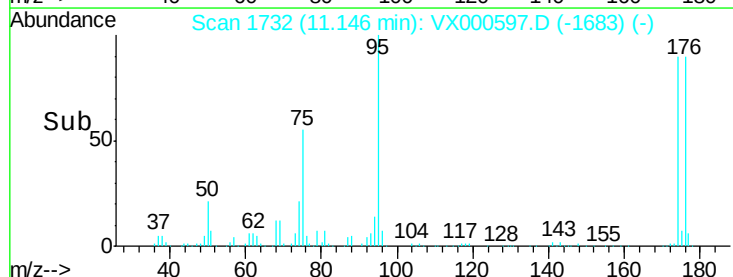
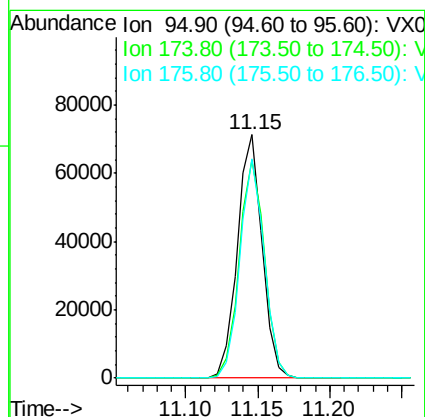
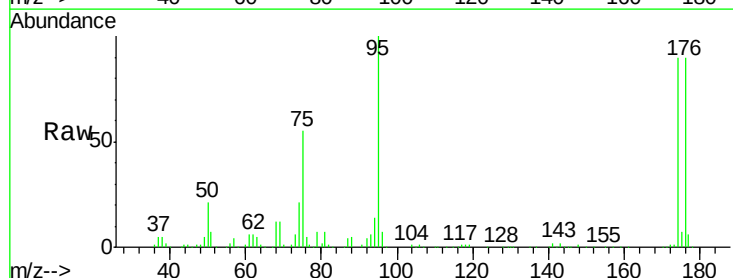
Tgt Ion: 95 Resp: 85971

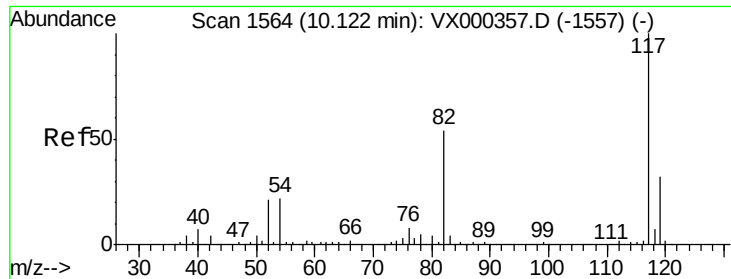
Ion Ratio Lower Upper

95 100

174 91.0 0.0 173.6

176 88.2 0.0 164.6

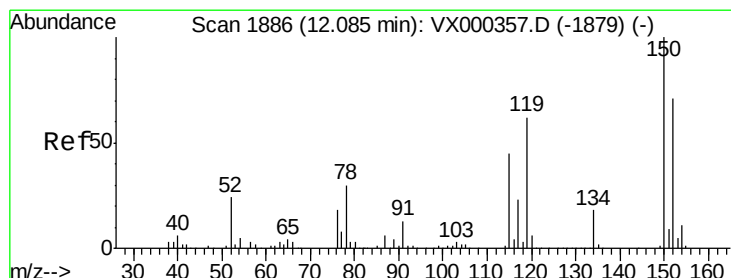
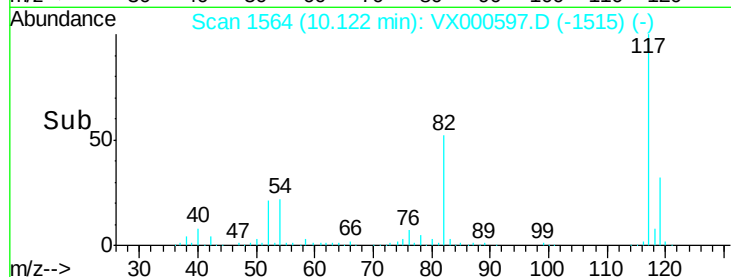
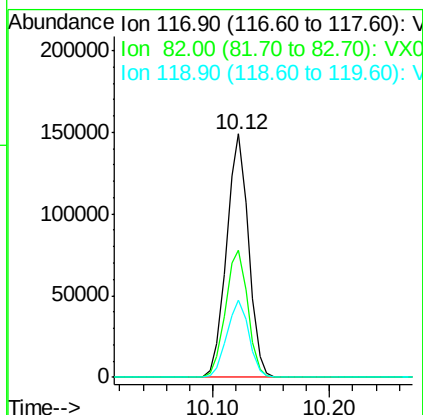
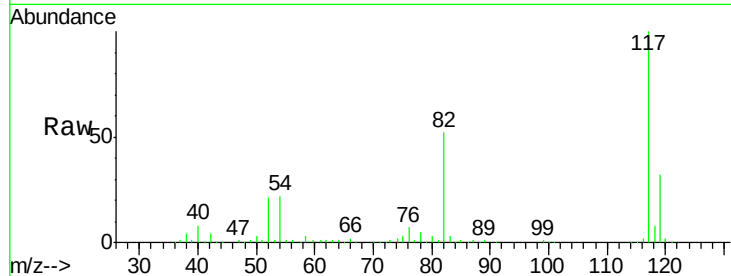




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

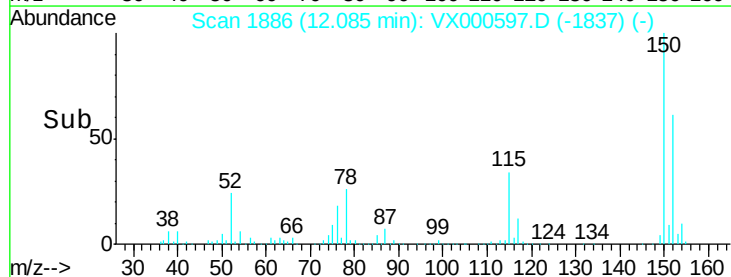
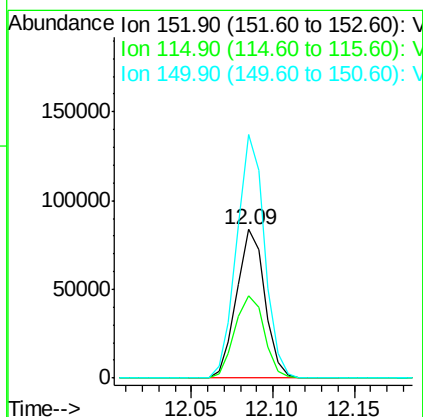
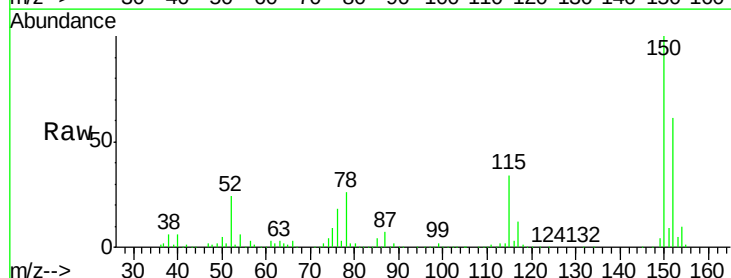
Instrument :
MSVOA_X
ClientSampleId :

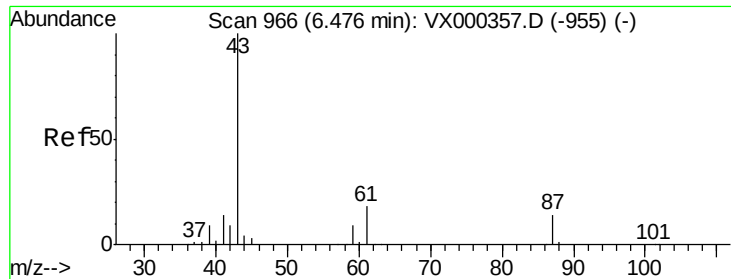
Tot Ion:117 Resp: 194753
Ion Ratio Lower Upper
117 100
82 52.0 43.8 65.8
119 31.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

Tgt Ion:152 Resp: 101339
Ion Ratio Lower Upper
152 100
115 57.9 39.8 119.3
150 161.4 0.0 344.4





#74

N-amvl acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

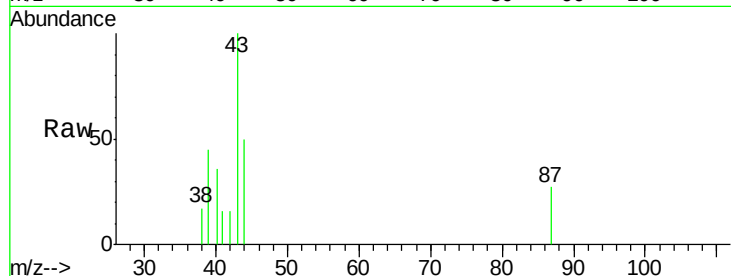
Delta R.T. 0.01 min

Lab File: VX000597.D

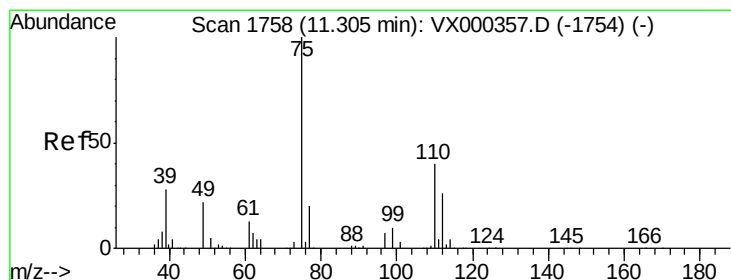
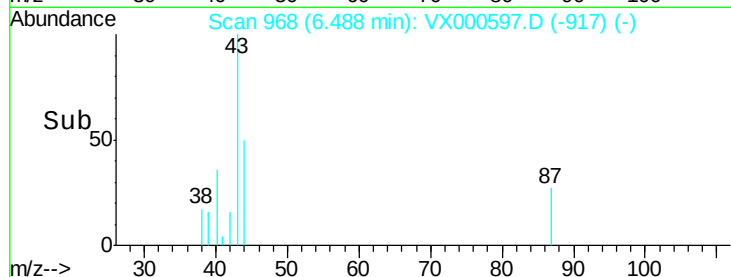
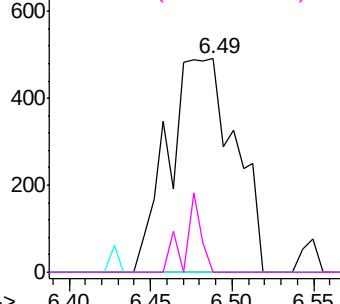
Acq: 31 Mar 2018 16:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	1405
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	8.9	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: 22.874 ug/l

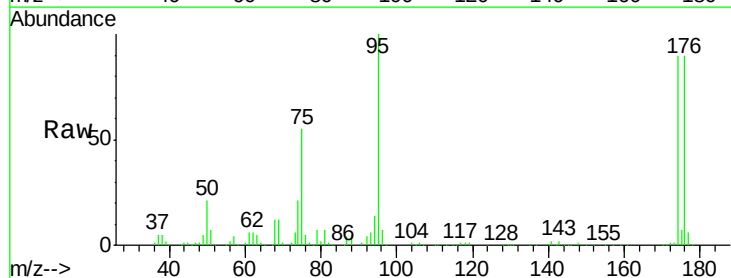
RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

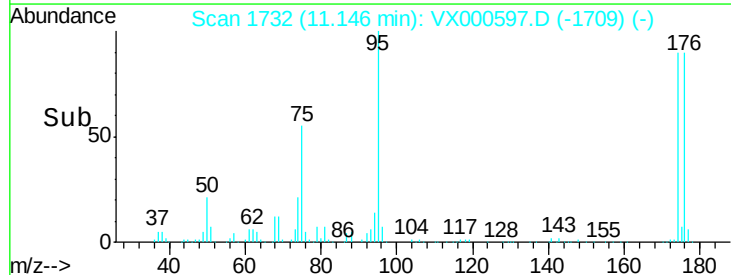
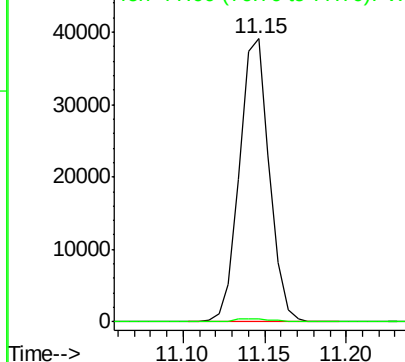
Lab File: VX000597.D

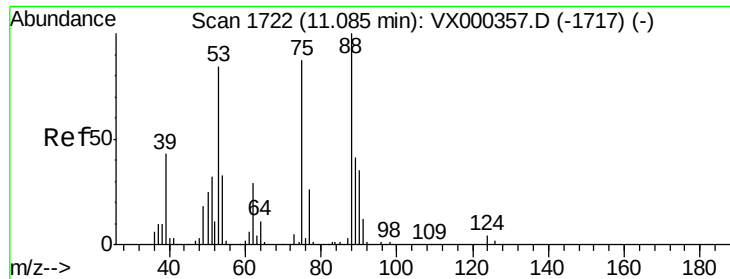
Acq: 31 Mar 2018 16:59

Tgt Ion:	75	Resp:	49818
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

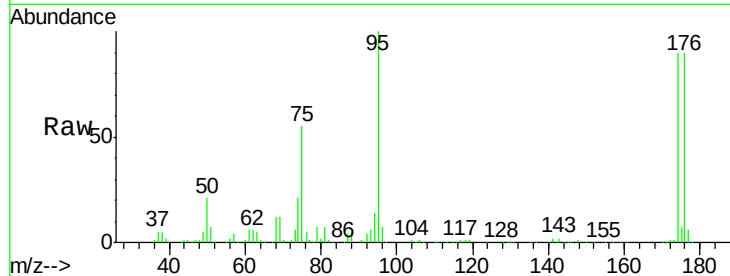




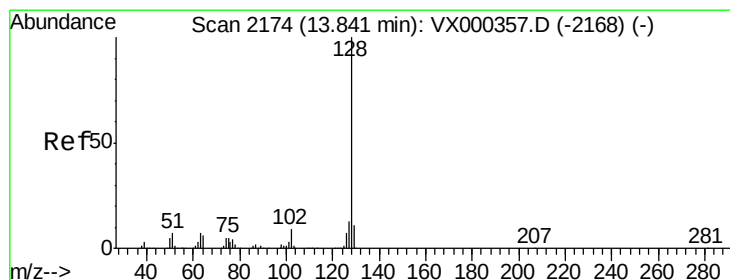
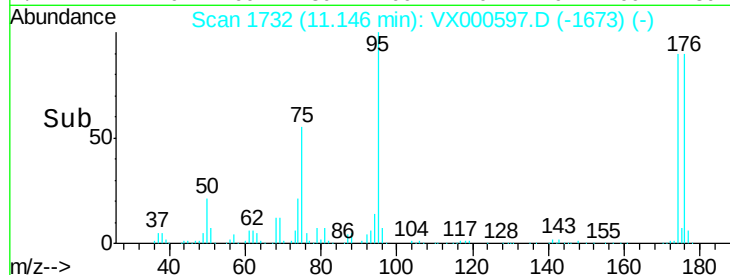
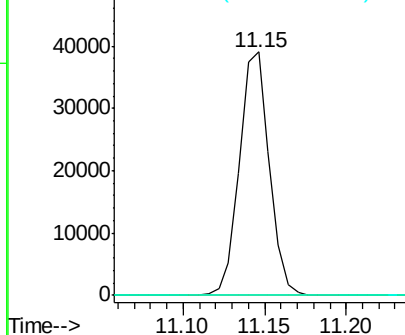
#81
trans-1,4-Dichloro-2-butene
Concen: 74.058 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 49818
Ion Ratio Lower Upper
75 100
53 0.0 80.7 121.1#
89 0.0 39.4 59.0#

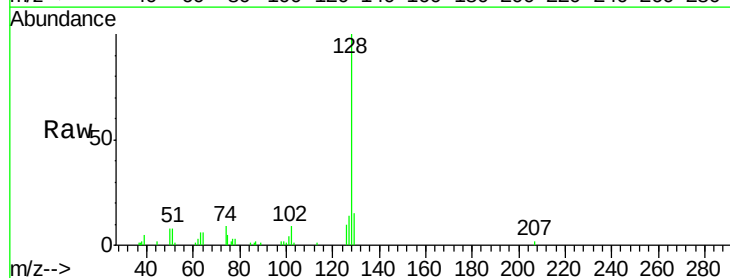


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 1.566 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000597.D
Acq: 31 Mar 2018 16:59

Tgt Ion:128 Resp: 12963
Ion Ratio Lower Upper
128 100
127 15.1 10.6 15.8
129 13.9 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

