

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000613.D
 Acq On : 01 Apr 2018 00:39
 Operator : JC/MD
 Sample : J2132-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:24:56 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	109841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180921	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95971	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	71489	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	5.52	113	56255	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	8.73	98	228992	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	11.15	95	79677	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	

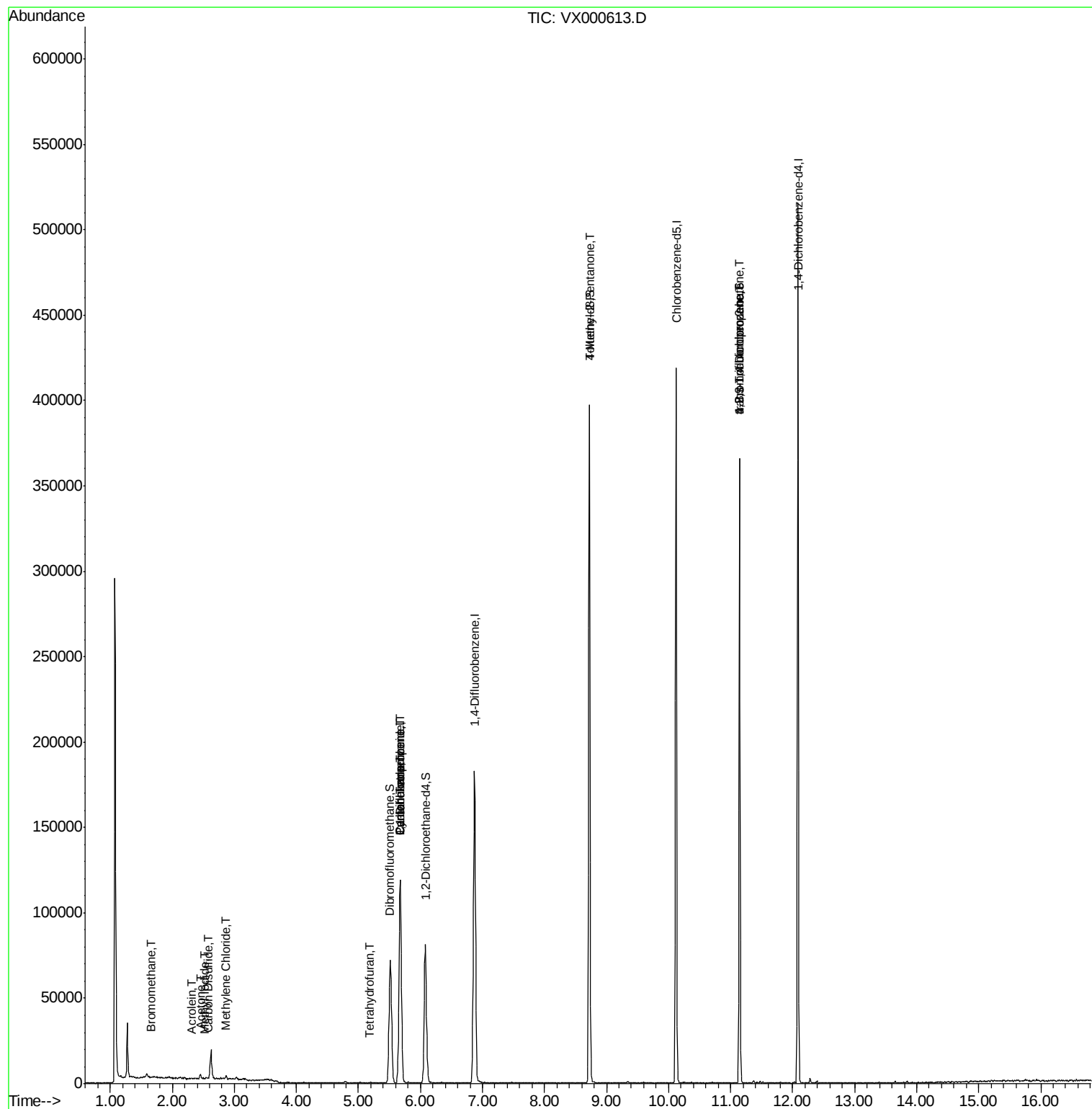
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	253	0.203	ug/l #	71
6) Chloroethane	1.73	64	373	Below Cal	#	44
10) Methyl Iodide	2.53	142	122	4.359	ug/l #	37
13) Acrolein	2.30	56	87	15.098	ug/l #	48
14) Allyl chloride	2.73	41	84	Below Cal	#	1
16) Acetone	2.45	43	3166	2.654	ug/l	93
17) Carbon Disulfide	2.58	76	683	0.231	ug/l #	76
20) Methylene Chloride	2.86	84	750	0.544	ug/l #	84
29) Tetrahydrofuran	5.18	42	255	0.309	ug/l #	46
31) Cyclohexane	5.67	56	2949	1.630	ug/l #	56
36) 1,1-Dichloropropene	5.68	75	8332	4.916	ug/l #	46
38) Carbon Tetrachloride	5.67	117	11358	6.388	ug/l #	14
51) 4-Methyl-2-Pentanone	8.72	43	1131	0.424	ug/l #	1
74) N-amyl acetate	6.47	43	23	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	45650	22.133	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	45650	71.657	ug/l #	9

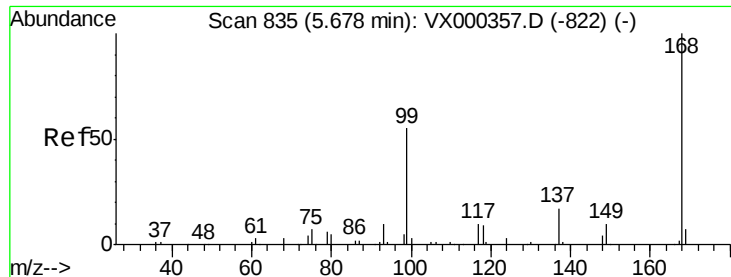
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

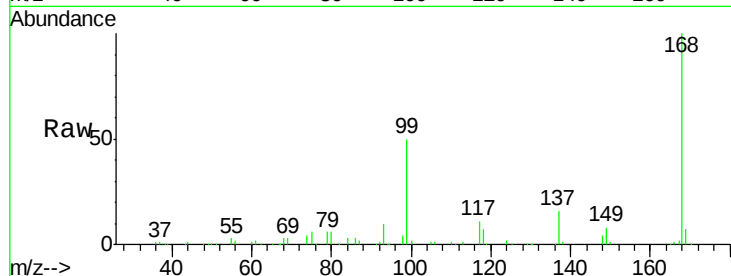
ClientSampled :

Tot Ion:168 Resp: 109841

Ion Ratio Lower Upper

168 100

99 50.0 45.8 68.6

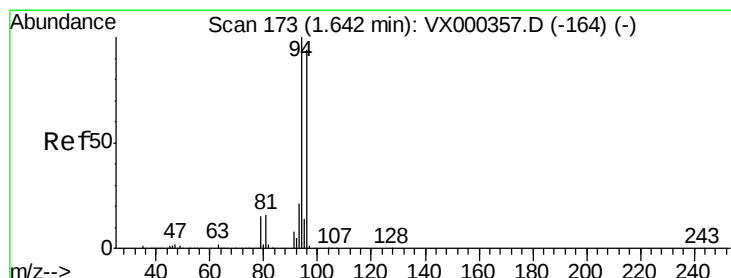
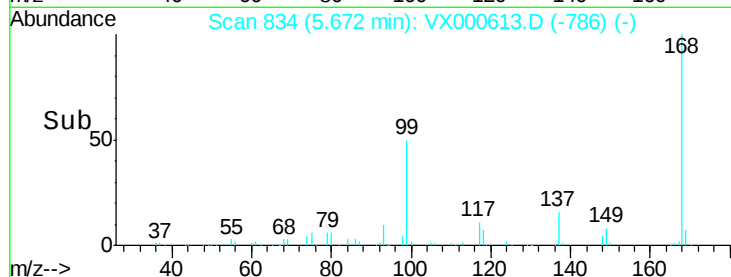


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#5

Bromomethane

Concen: 0.203 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000613.D

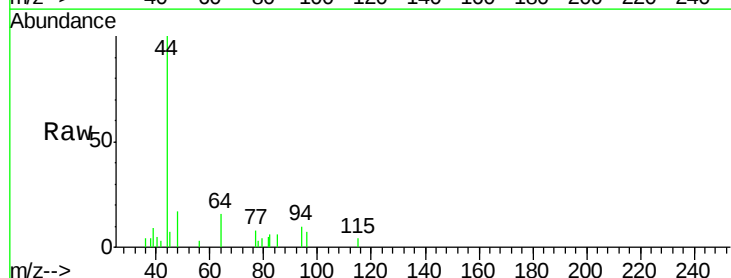
Acq: 01 Apr 2018 00:39

Tgt Ion: 94 Resp: 253

Ion Ratio Lower Upper

94 100

96 68.9 77.7 116.5#

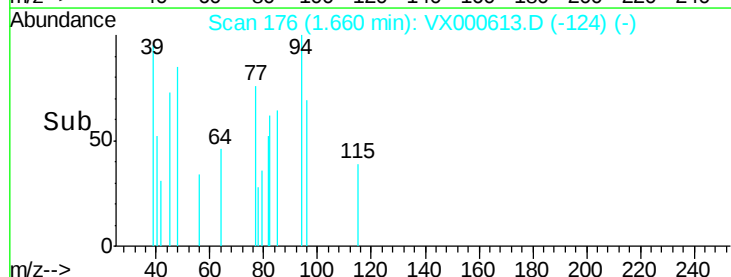


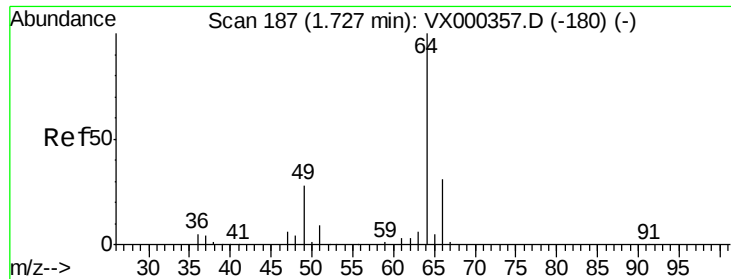
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

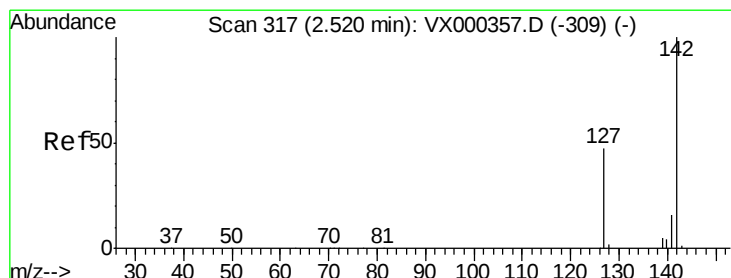
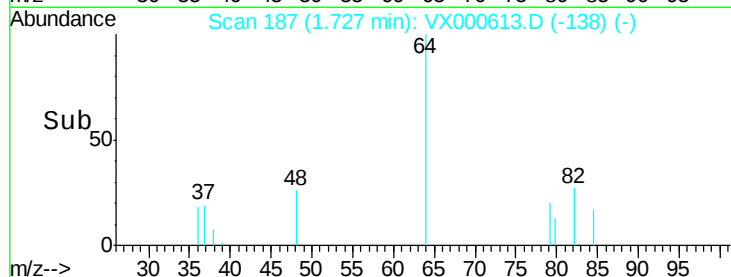
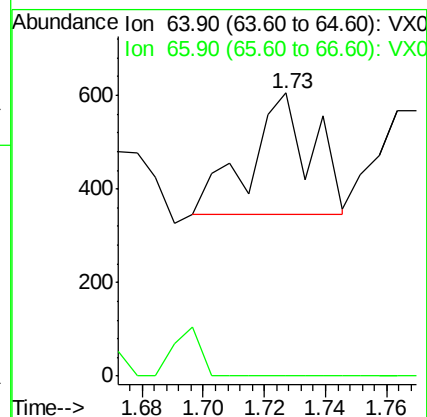
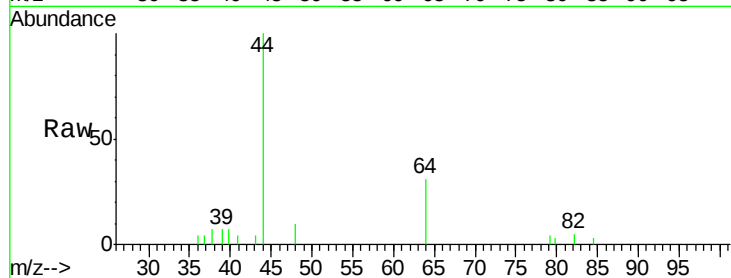
ClientSampled :

Tot Ion: 64 Resp: 373

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#10

Methyl Iodide

Concen: 4.359 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

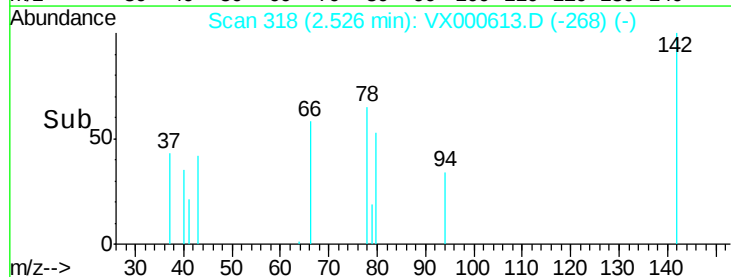
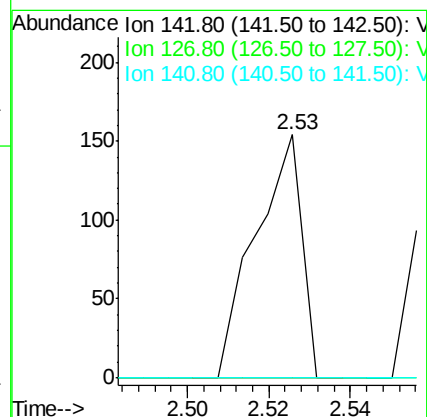
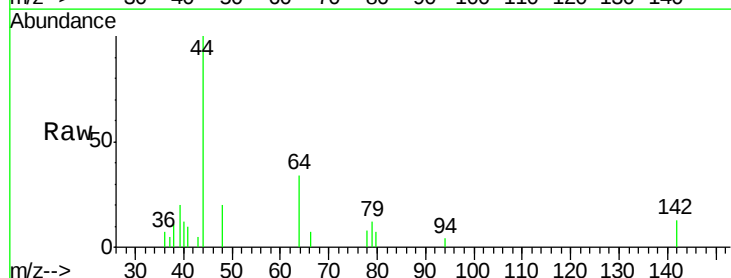
Tgt Ion: 142 Resp: 122

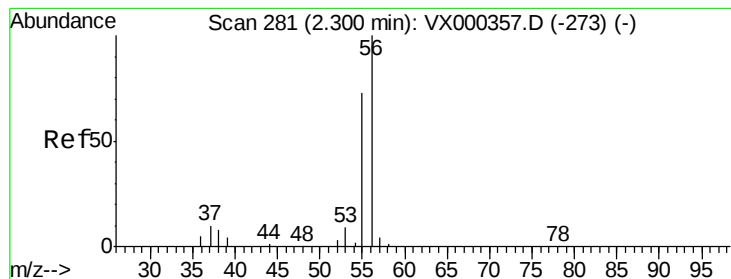
Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

141 0.0 11.7 17.5#





#13

Acrolein

Concen: 15.098 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

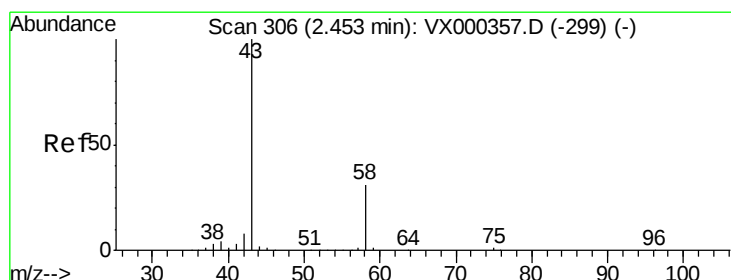
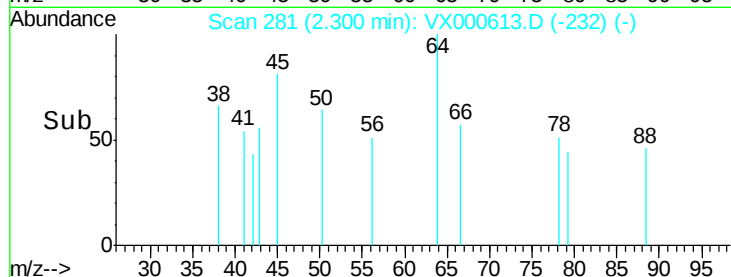
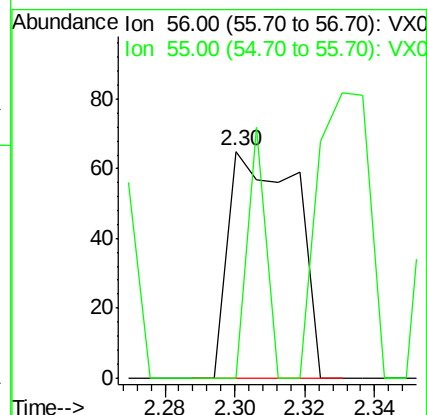
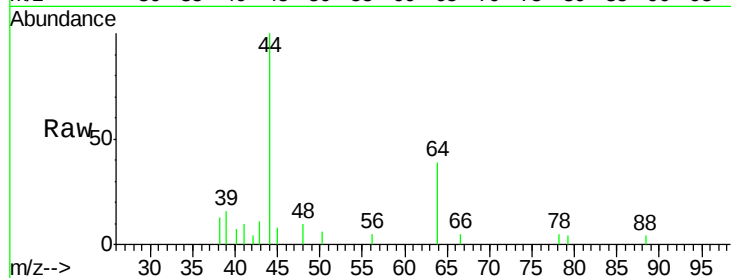
ClientSampleId :

Tot Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 29.9 58.8 88.2#



#16

Acetone

Concen: 2.654 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000613.D

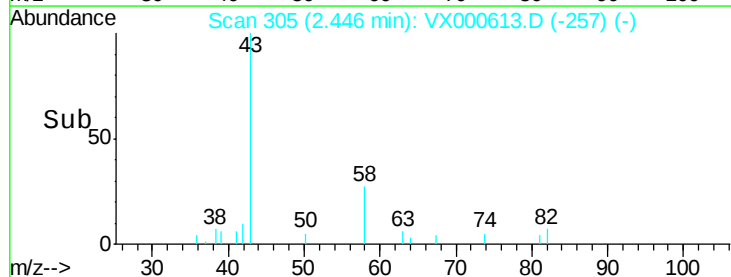
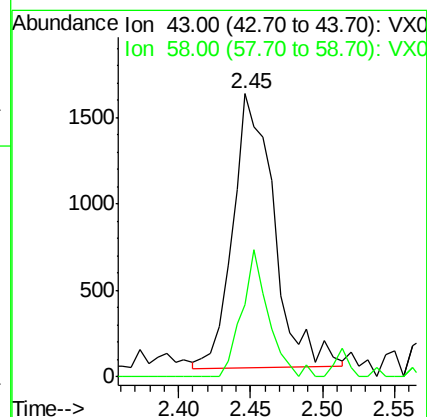
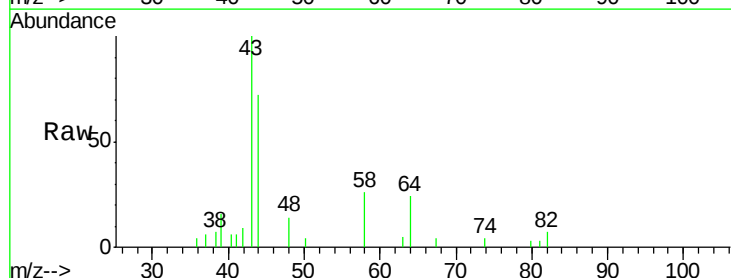
Acq: 01 Apr 2018 00:39

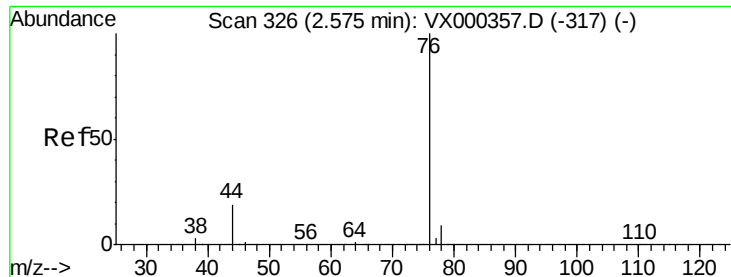
Tgt Ion: 43 Resp: 3166

Ion Ratio Lower Upper

43 100

58 26.9 24.7 37.1

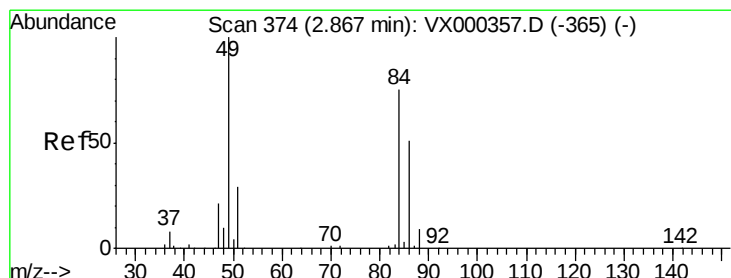
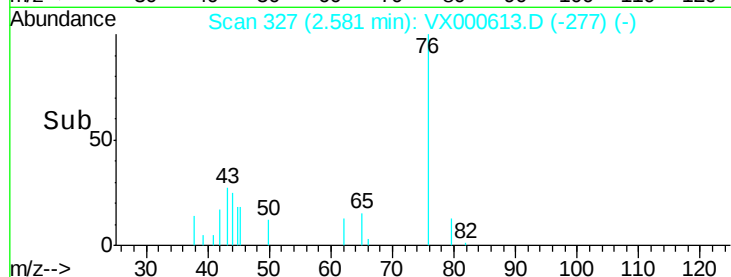
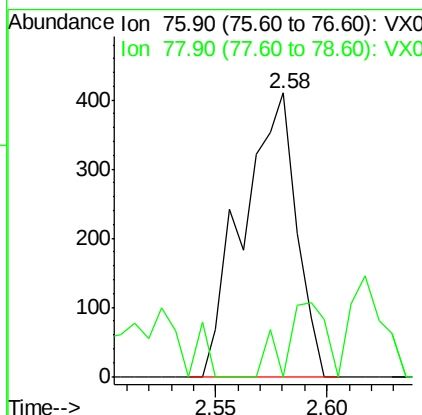
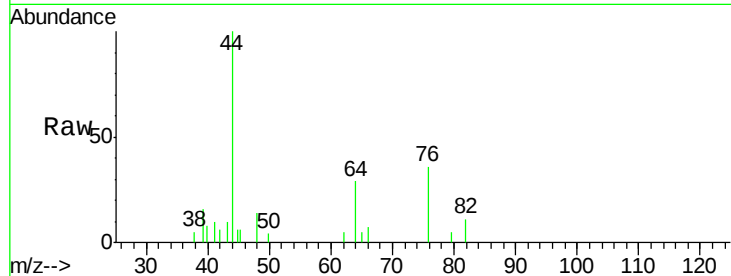




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.58 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX000613.D
Acq: 01 Apr 2018 00:39

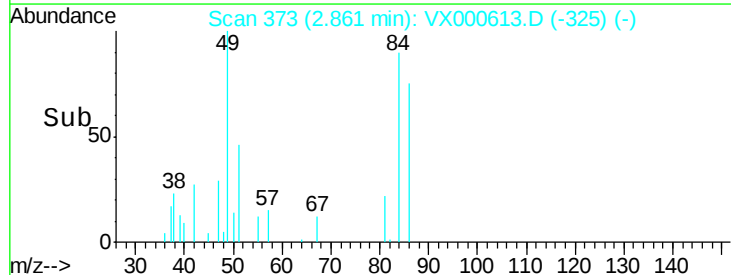
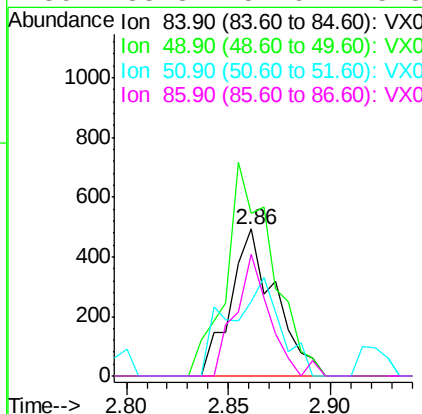
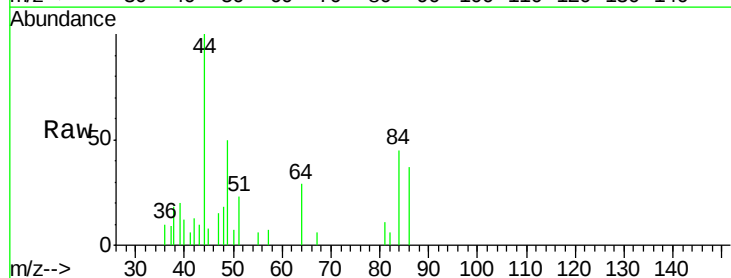
Instrument :
MSVOA_X
ClientSampleId :

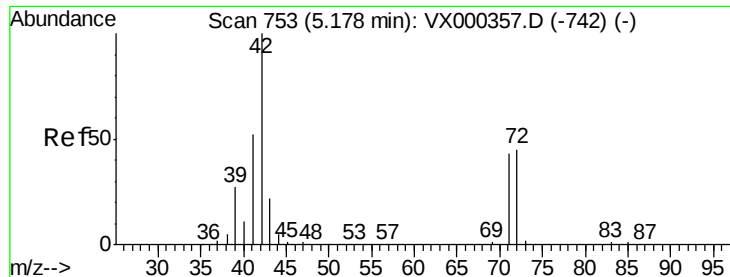
Tot Ion: 76 Resp: 683
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: 0.544 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000613.D
Acq: 01 Apr 2018 00:39

Tgt Ion: 84 Resp: 750
Ion Ratio Lower Upper
84 100
49 111.2 100.6 151.0
51 50.8 31.6 47.4#
86 83.3 52.6 78.8#

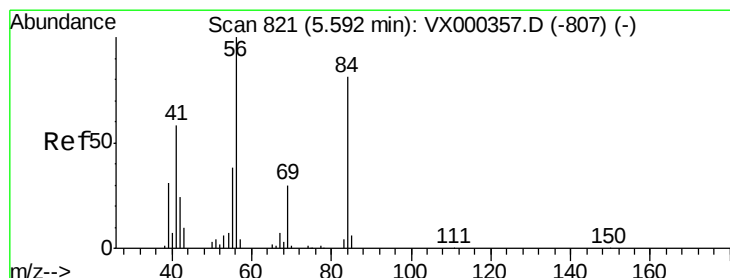
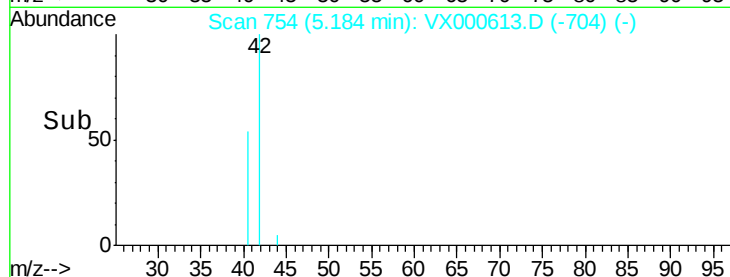
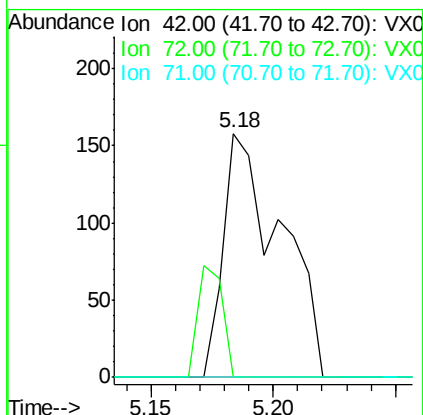
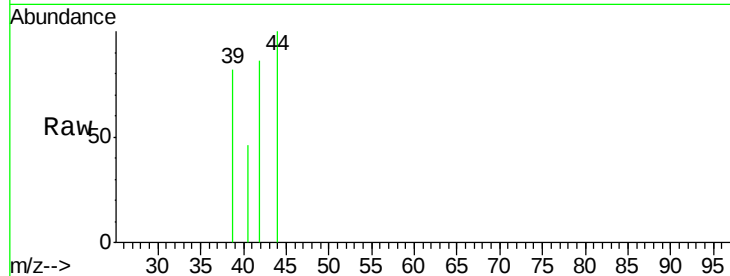




#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000613.D
Acq: 01 Apr 2018 00:39

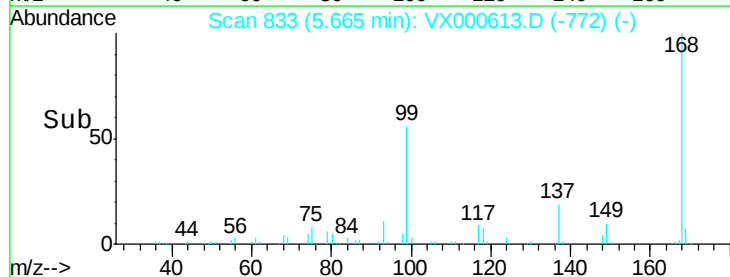
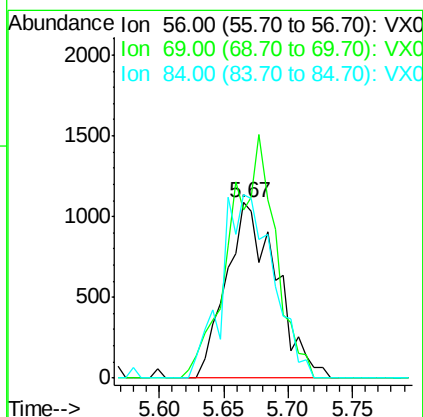
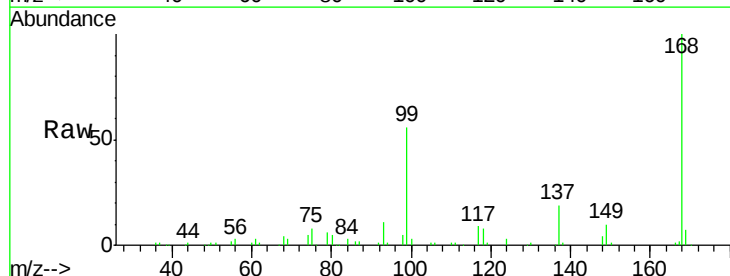
Instrument :
MSVOA_X
ClientSampleId :

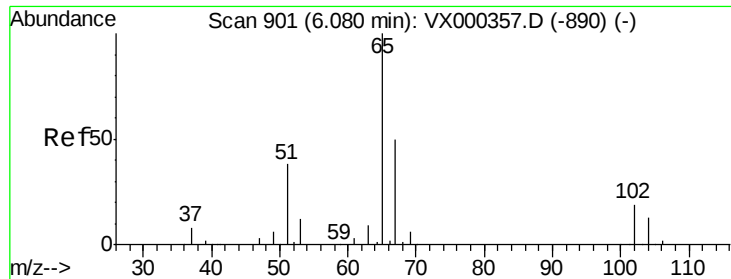
Tot Ion: 42 Resp: 255
Ion Ratio Lower Upper
42 100
72 19.6 37.9 56.9#
71 0.0 34.4 51.6#



#31
Cyclohexane
Concen: 1.630 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000613.D
Acq: 01 Apr 2018 00:39

Tgt Ion: 56 Resp: 2949
Ion Ratio Lower Upper
56 100
69 95.8 23.4 35.0#
84 104.7 71.0 106.4

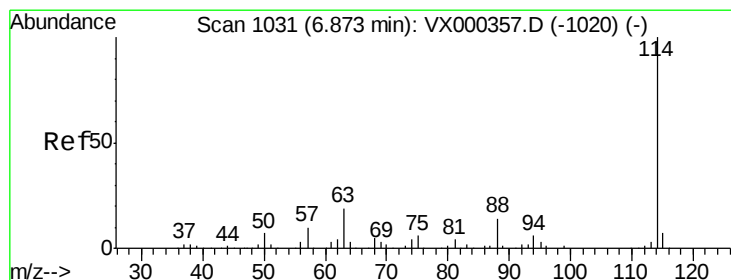
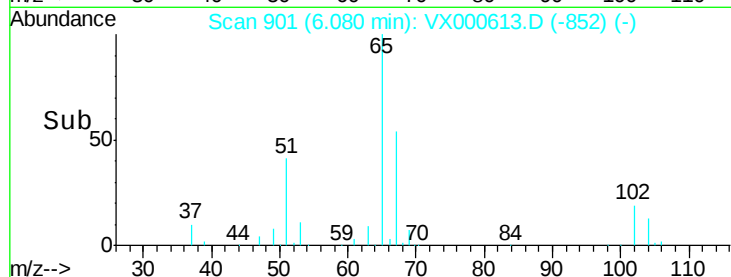
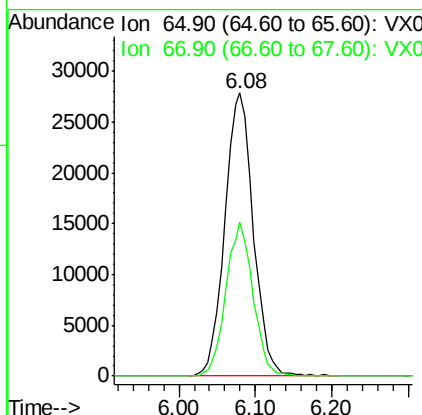
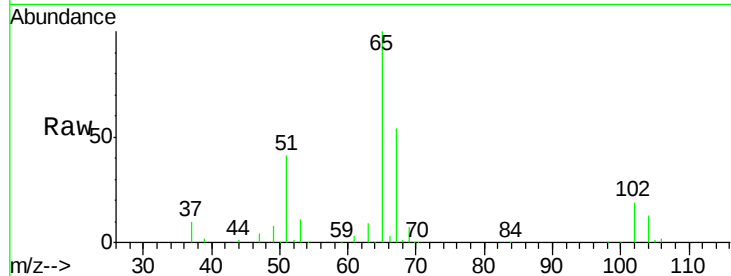




#33
 1,2-Dichloroethane-d4
 Concen: 49.860 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000613.D
 Acq: 01 Apr 2018 00:39

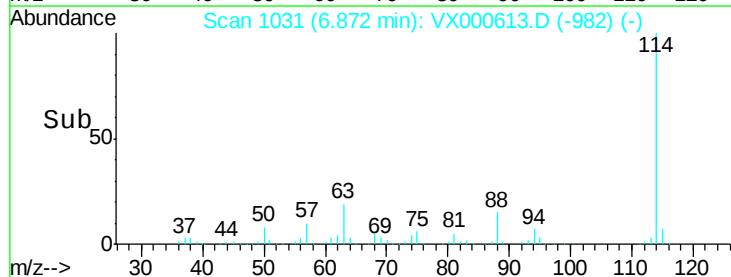
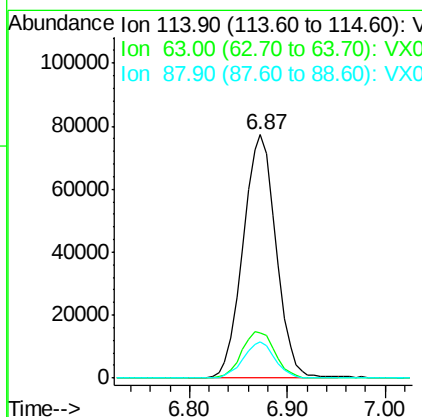
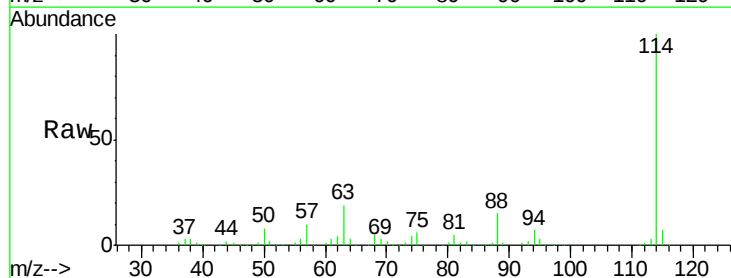
Instrument :
 MSVOA_X
 ClientSampleId :

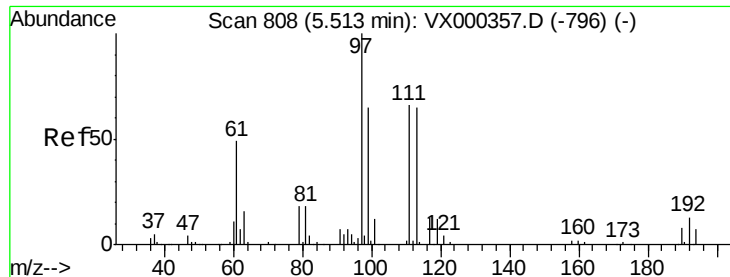
Tot Ion: 65 Resp: 71489
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000613.D
 Acq: 01 Apr 2018 00:39

Tgt Ion: 114 Resp: 180921
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 14.7 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.348 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

ClientSampled :

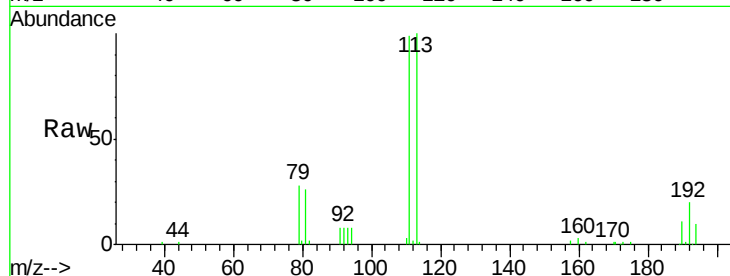
Tot Ion:113 Resp: 56255

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

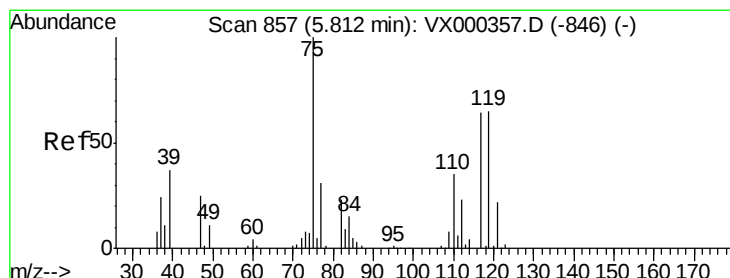
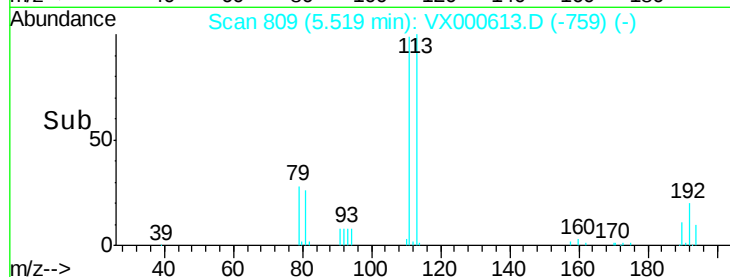
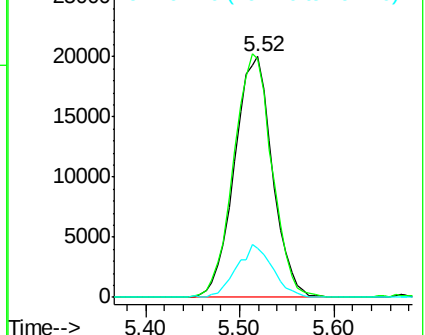
192 20.9 15.8 23.6



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: 4.916 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

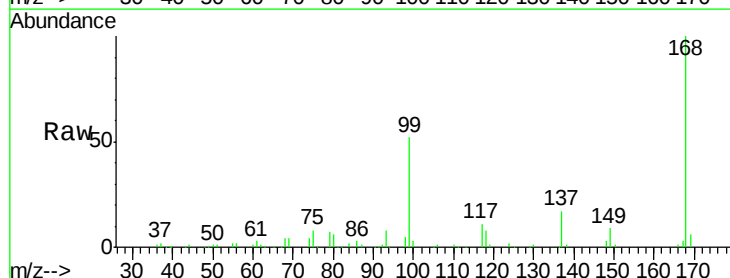
Tgt Ion: 75 Resp: 8332

Ion Ratio Lower Upper

75 100

110 4.7 17.9 53.7#

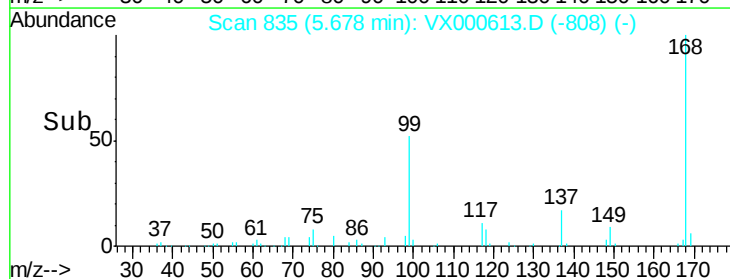
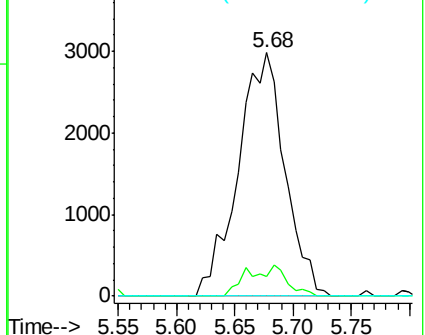
77 0.0 24.0 36.0#

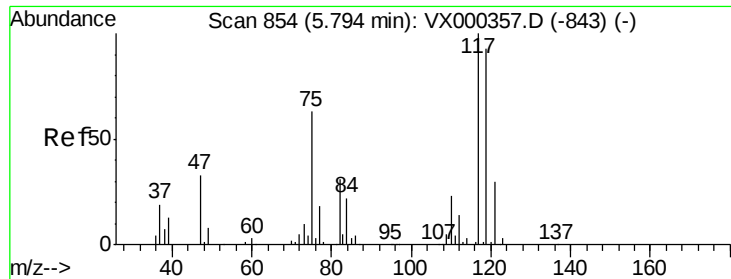


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.388 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

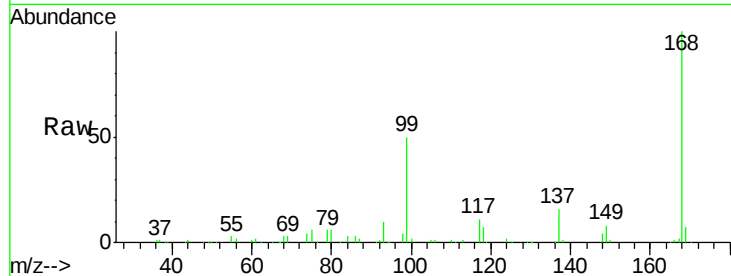
Tot Ion:117 Resp: 11358

Ion Ratio Lower Upper

117 100

119 3.5 77.4 116.2#

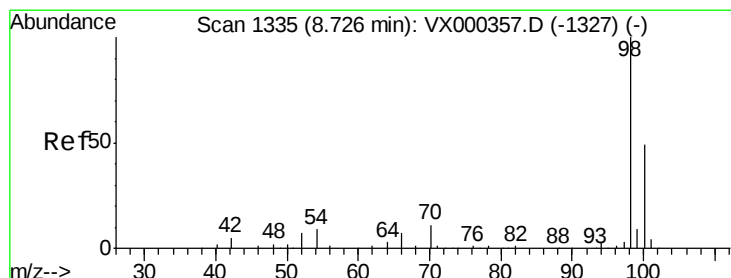
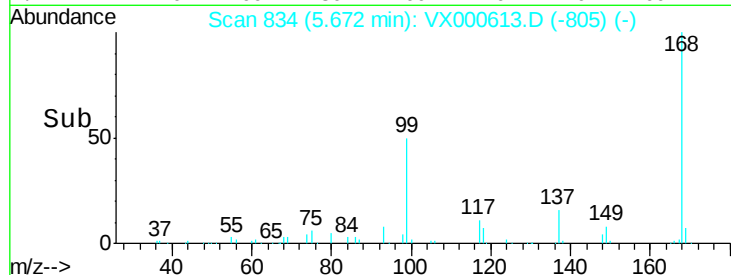
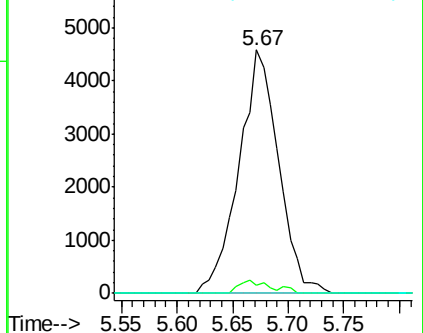
121 0.0 24.8 37.2#



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: 48.502 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000613.D

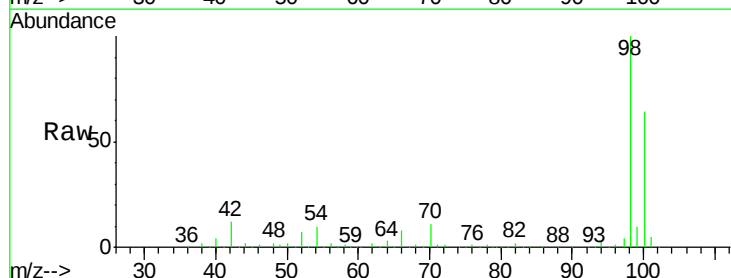
Acq: 01 Apr 2018 00:39

Tgt Ion: 98 Resp: 228992

Ion Ratio Lower Upper

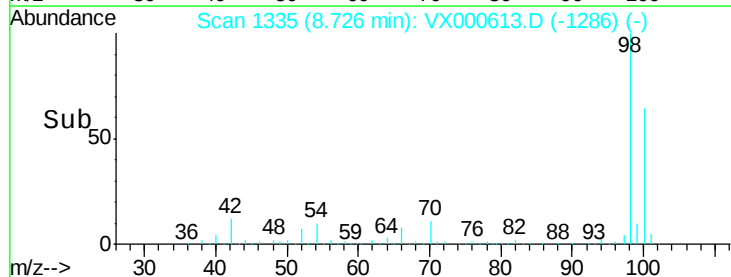
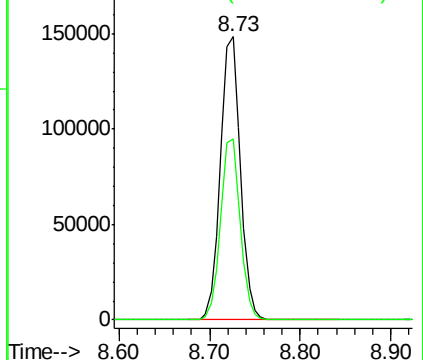
98 100

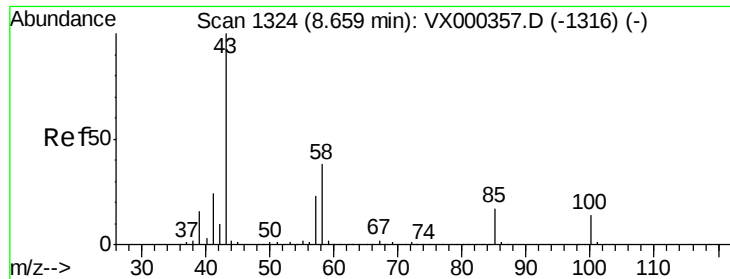
100 62.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.424 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

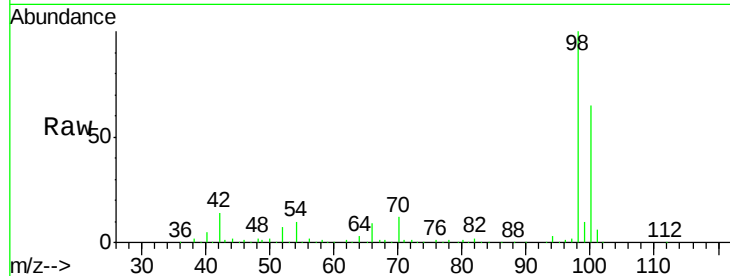
ClientSampled :

Tot Ion: 43 Resp: 1131

Ion Ratio Lower Upper

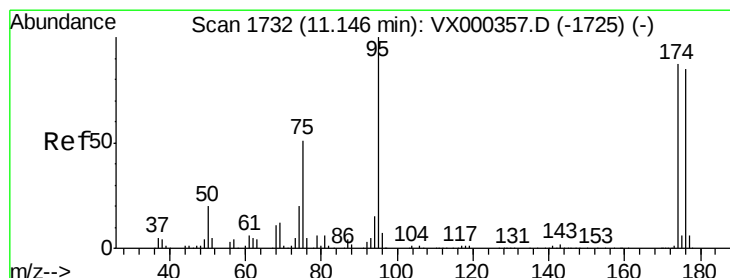
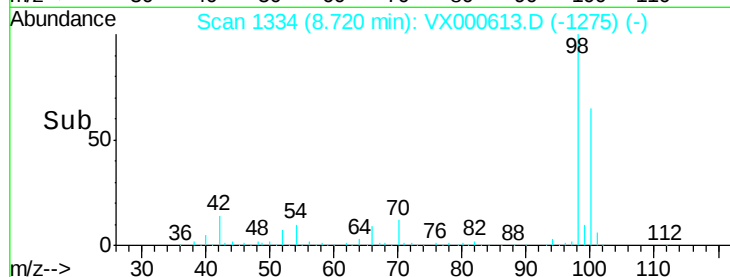
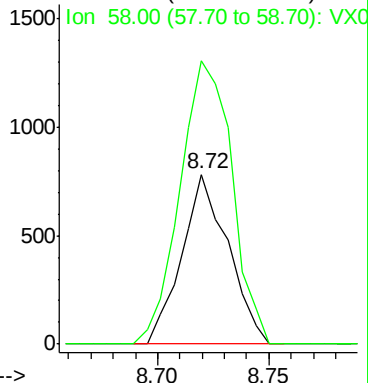
43 100

58 187.7 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 41.180 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

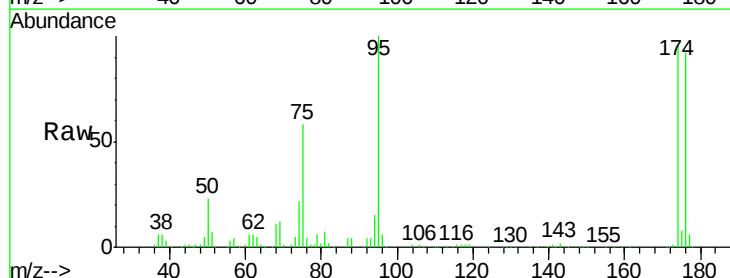
Tgt Ion: 95 Resp: 79677

Ion Ratio Lower Upper

95 100

174 91.8 0.0 173.6

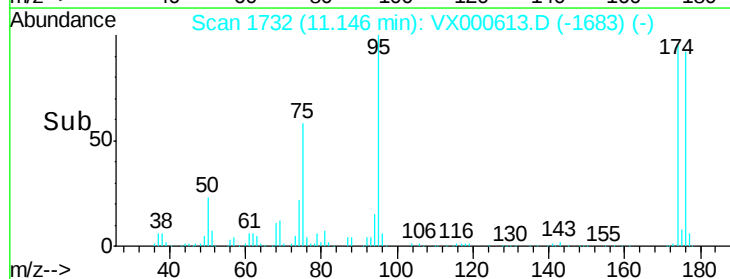
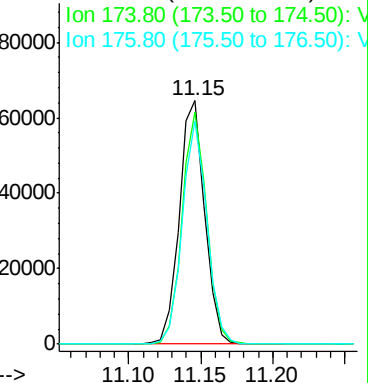
176 88.6 0.0 164.6

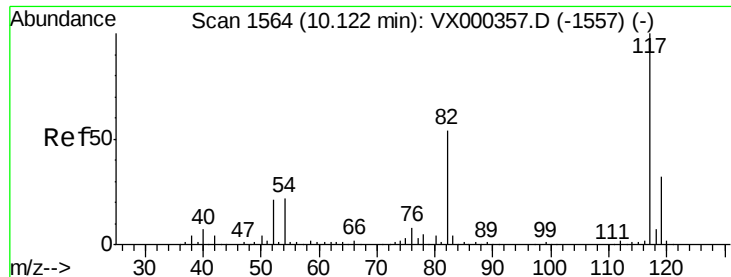


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

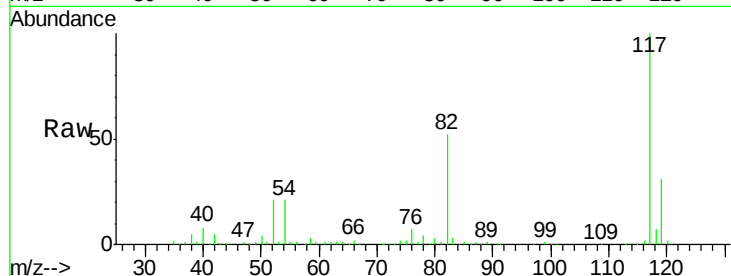
Tot Ion:117 Resp: 181409

Ion Ratio Lower Upper

117 100

82 52.2 43.8 65.8

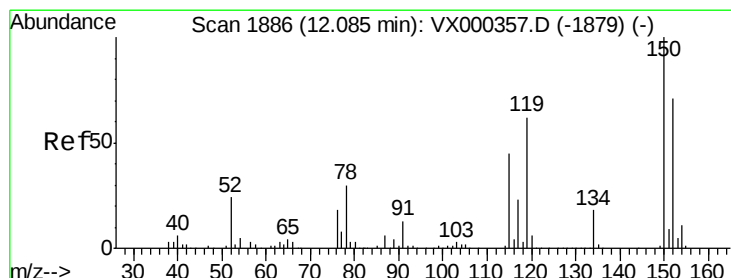
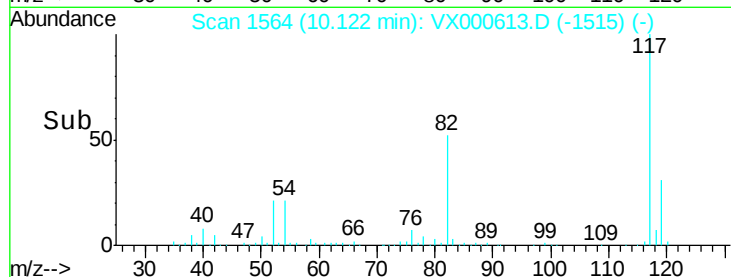
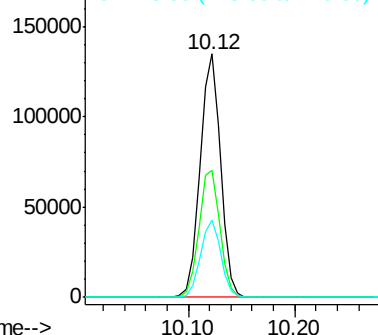
119 31.5 24.9 37.3



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: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

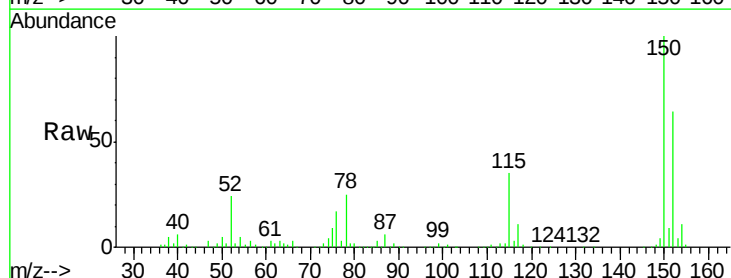
Tgt Ion:152 Resp: 95971

Ion Ratio Lower Upper

152 100

115 55.4 39.8 119.3

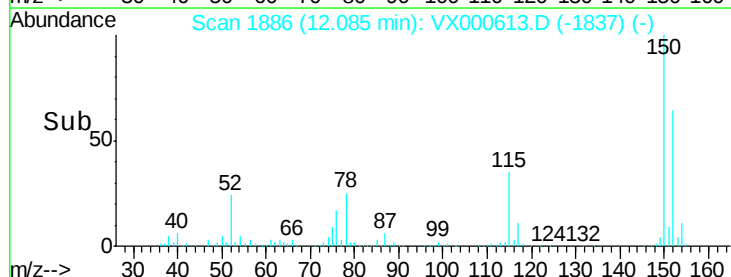
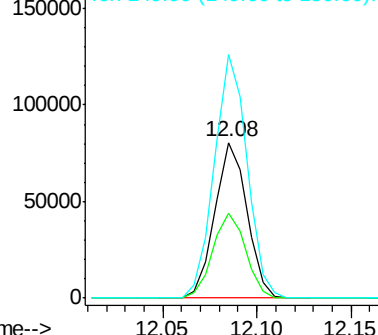
150 158.6 0.0 344.4

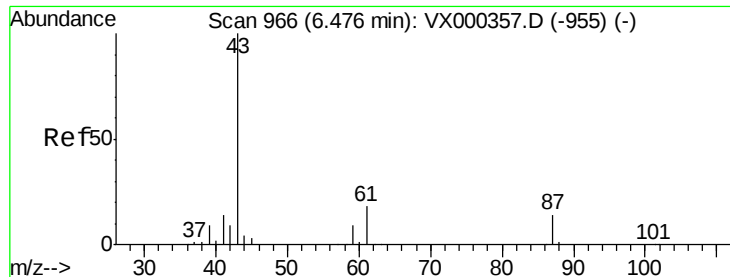


Abundance Ion 151.90 (151.60 to 152.60): V

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: 6.47 min Scan# 965

Delta R.T. -0.01 min

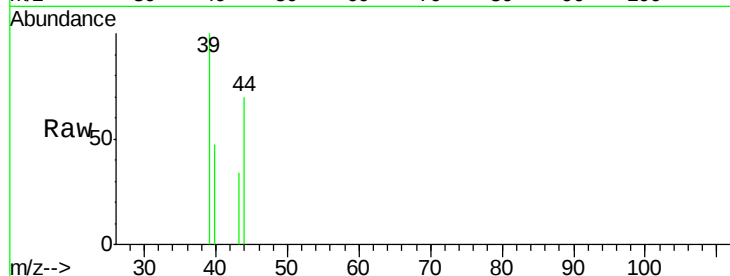
Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

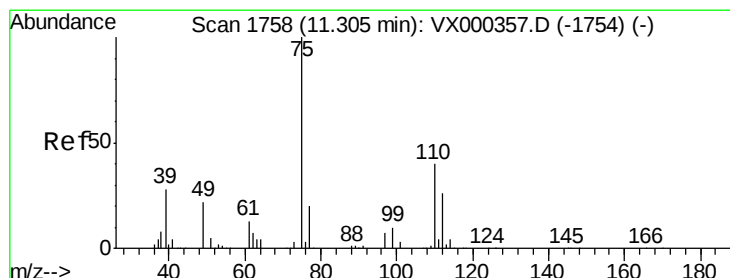
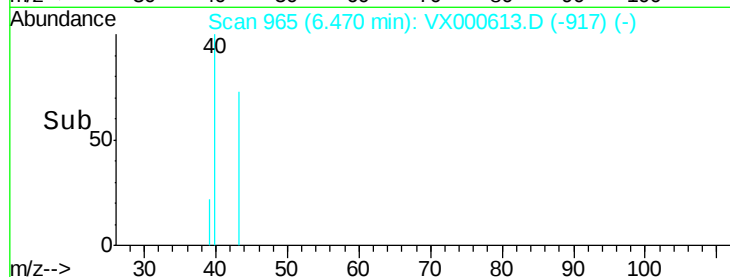
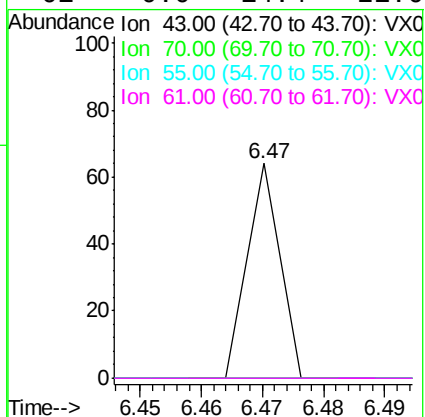
Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	43	Resp:	23
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 22.133 ug/l

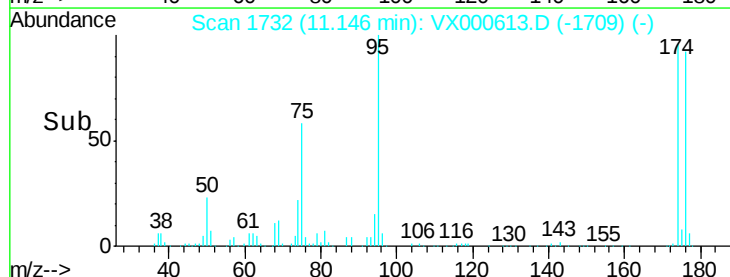
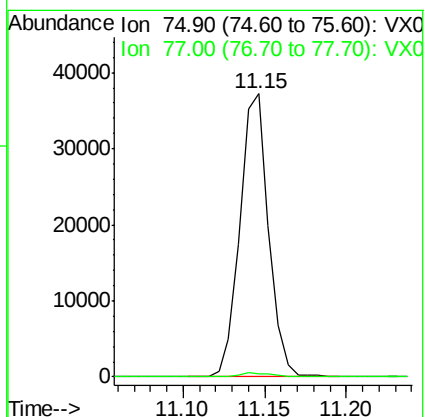
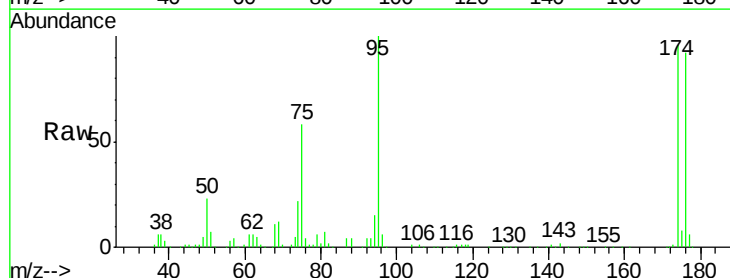
RT: 11.15 min Scan# 1732

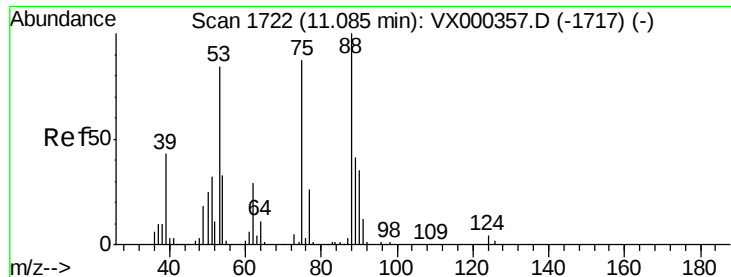
Delta R.T. -0.16 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Tgt Ion:	75	Resp:	45650
Ion	Ratio	Lower	Upper
75	100		
77	1.5	21.4	64.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.657 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000613.D

Acq: 01 Apr 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

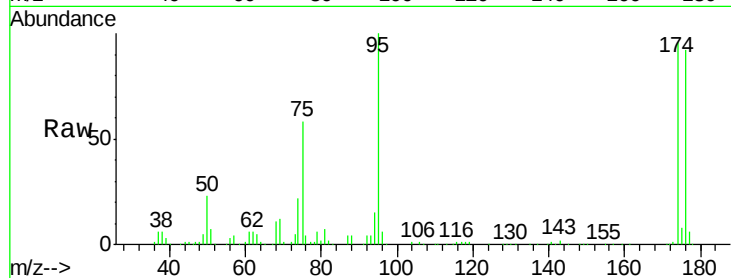
Tot Ion: 75 Resp: 45650

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

