

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000605.D
 Acq On : 31 Mar 2018 20:24
 Operator : JC/MD
 Sample : J2150-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:20:56 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	5.68	168	104669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	174659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	175503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94510	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	71099	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
35) Dibromofluoromethane	5.52	113	55794	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	8.73	98	222462	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.15	95	76217	40.86	ug/l	0.00
Spiked Amount			Recovery	=	81.72%	

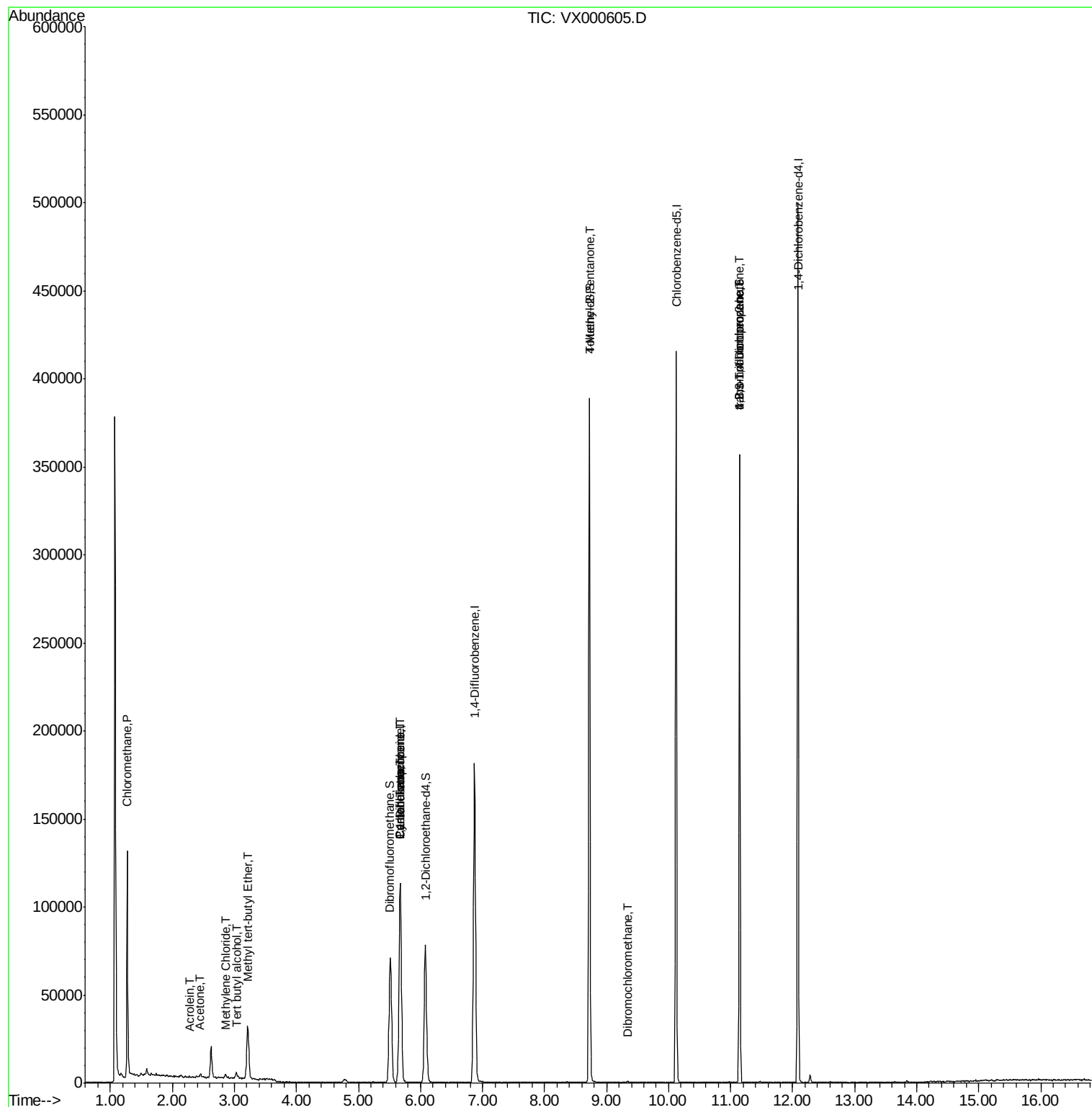
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.27	50	2562	2.108	ug/l #	46
6) Chloroethane	1.70	64	658	Below Cal	#	50
11) Tert butyl alcohol	3.03	59	1719	3.658	ug/l #	72
13) Acrolein	2.29	56	95	15.174	ug/l #	1
14) Allyl chloride	2.73	41	189	Below Cal	#	50
16) Acetone	2.45	43	2002	1.761	ug/l #	84
19) Methyl tert-butyl Ether	3.21	73	33261	7.927	ug/l	99
20) Methylene Chloride	2.86	84	780	0.594	ug/l #	78
31) Cyclohexane	5.67	56	2881	1.671	ug/l #	28
36) 1,1-Dichloropropene	5.67	75	8462	5.172	ug/l #	50
38) Carbon Tetrachloride	5.68	117	10592	6.171	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	1209	0.470	ug/l #	1
60) Dibromochloromethane	9.35	129	23	4.130	ug/l #	12
74) N-amyl acetate	6.32	43	49	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	43751	21.540	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	43751	69.738	ug/l #	9

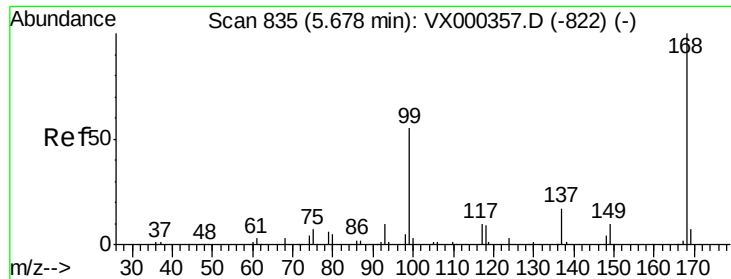
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

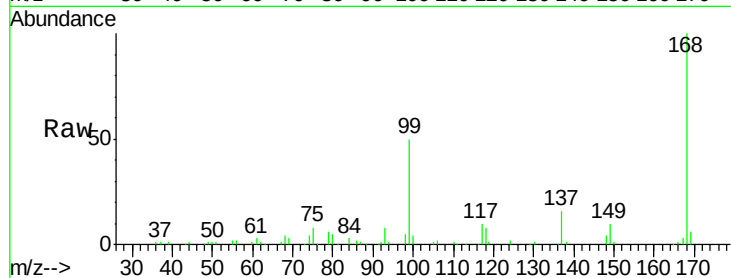
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 104669

Ion Ratio Lower Upper

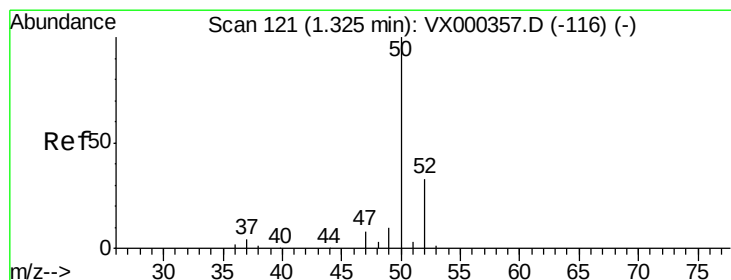
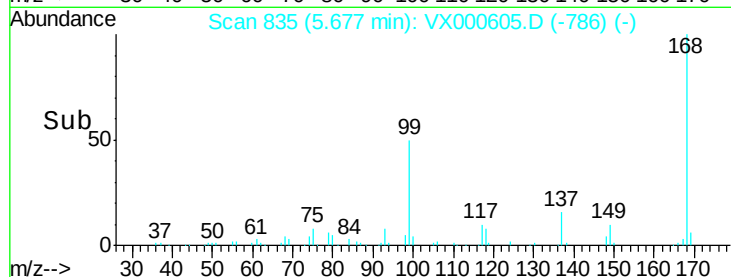
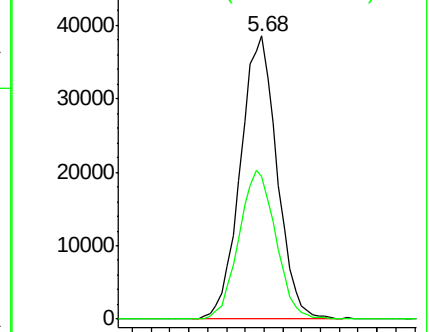
168 100

99 50.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 2.108 ug/l

RT: 1.27 min Scan# 112

Delta R.T. -0.06 min

Lab File: VX000605.D

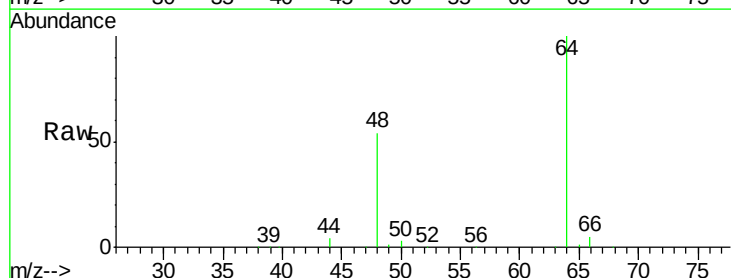
Acq: 31 Mar 2018 20:24

Tgt Ion: 50 Resp: 2562

Ion Ratio Lower Upper

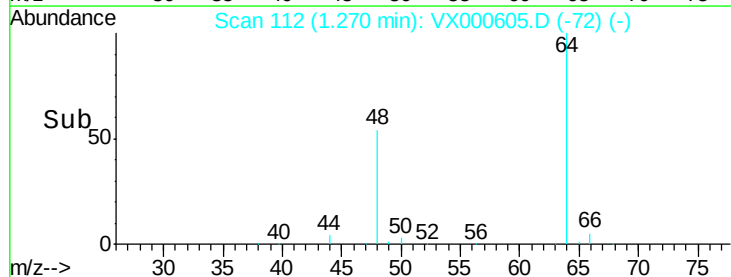
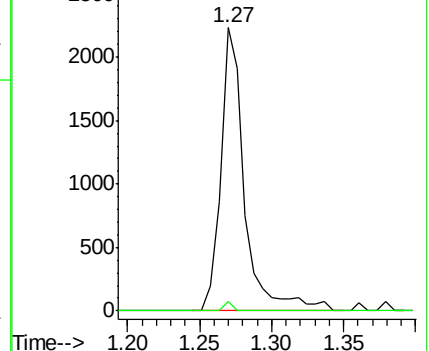
50 100

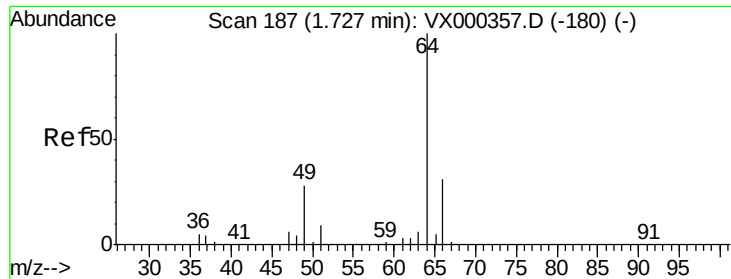
52 3.4 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

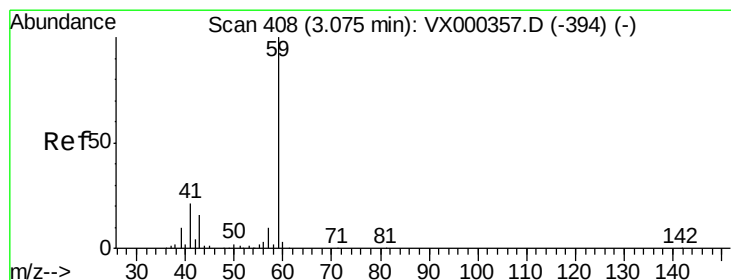
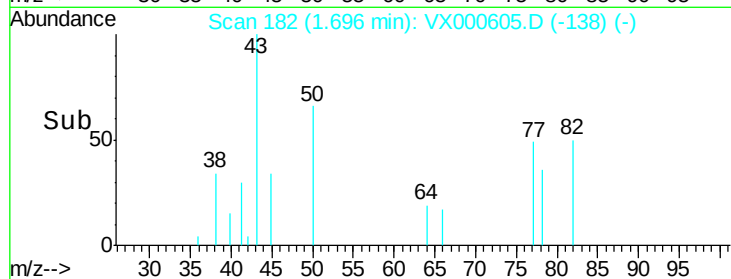
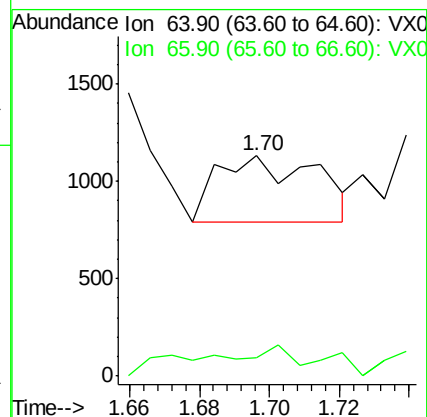
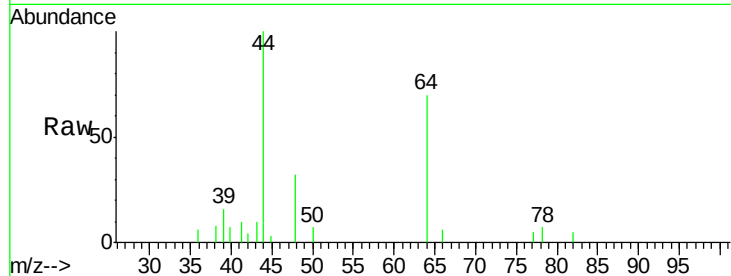
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 64 Resp: 658

Ion Ratio Lower Upper

64 100

66 3.6 24.8 37.2#



#11

Tert butyl alcohol

Concen: 3.658 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.04 min

Lab File: VX000605.D

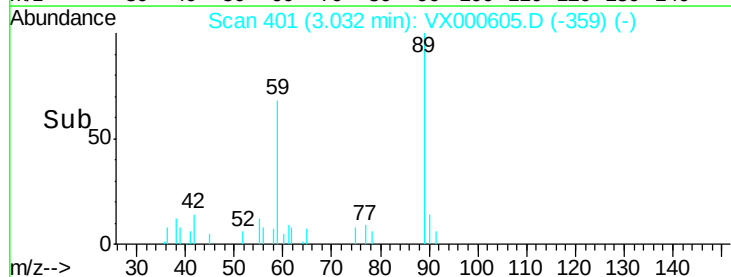
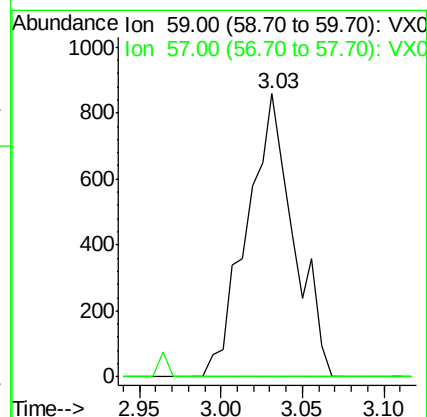
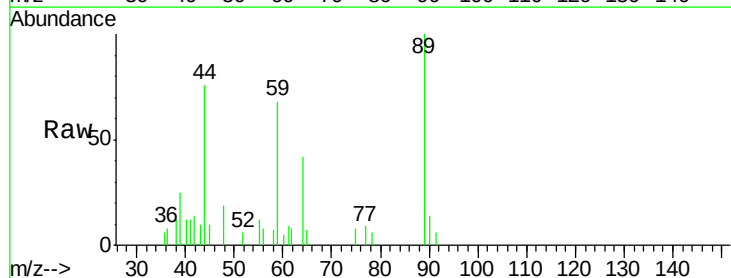
Acq: 31 Mar 2018 20:24

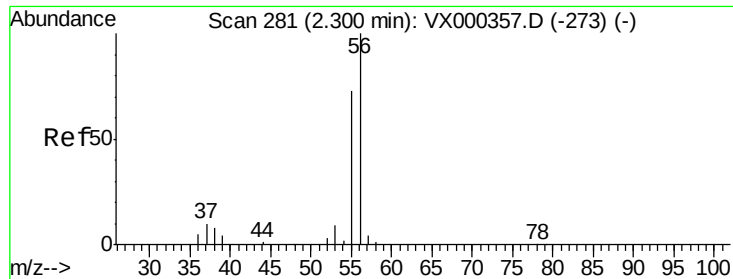
Tgt Ion: 59 Resp: 1719

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#13

Acrolein

Concen: 15.174 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

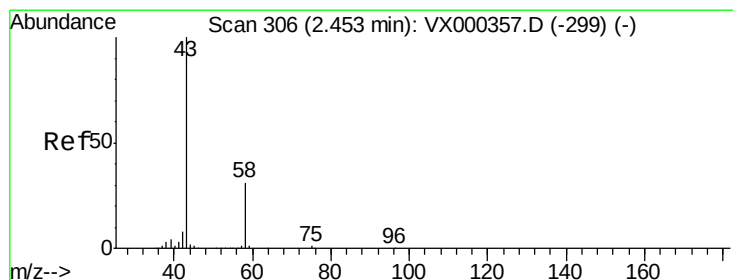
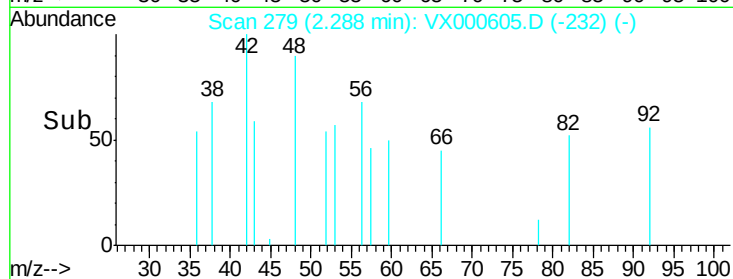
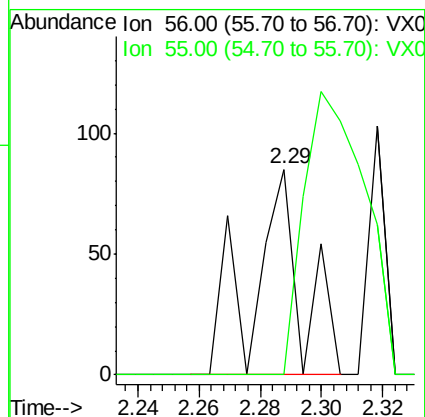
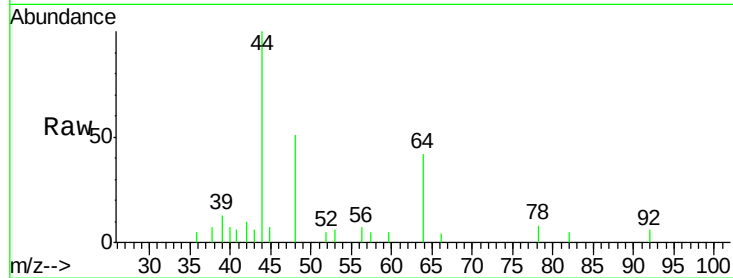
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 171.6 58.8 88.2#



#16

Acetone

Concen: 1.761 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000605.D

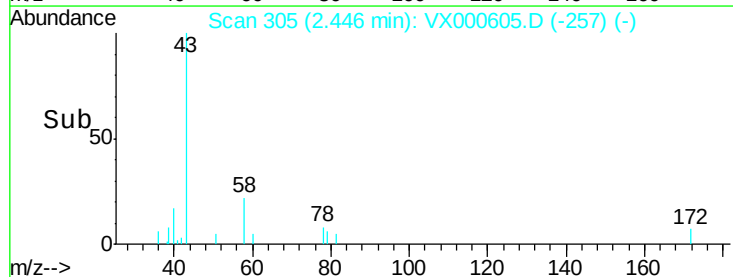
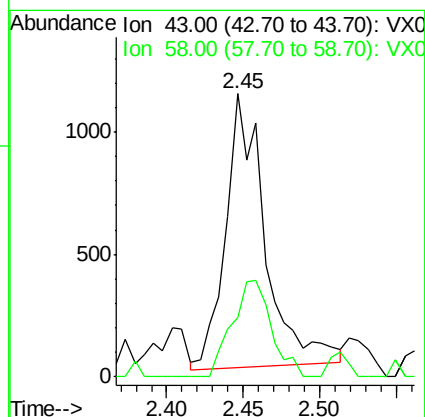
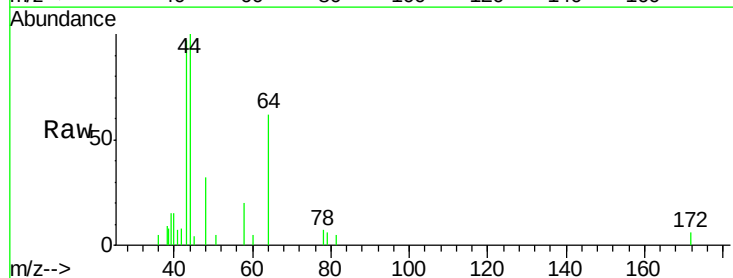
Acq: 31 Mar 2018 20:24

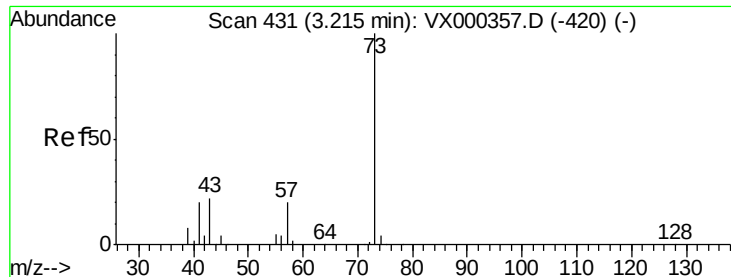
Tgt Ion: 43 Resp: 2002

Ion Ratio Lower Upper

43 100

58 22.1 24.7 37.1#



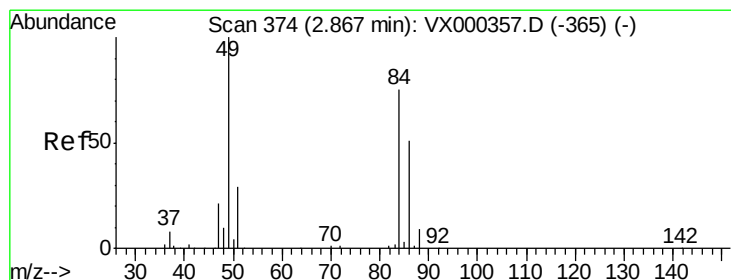
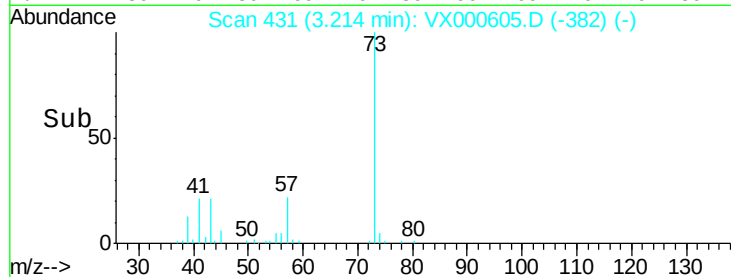
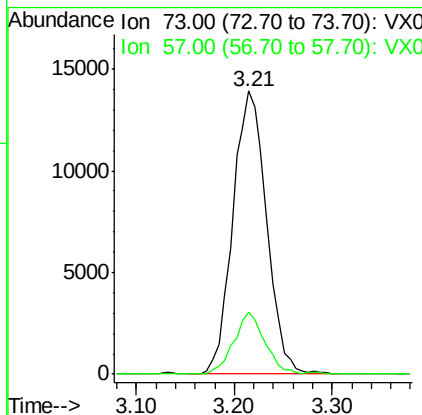
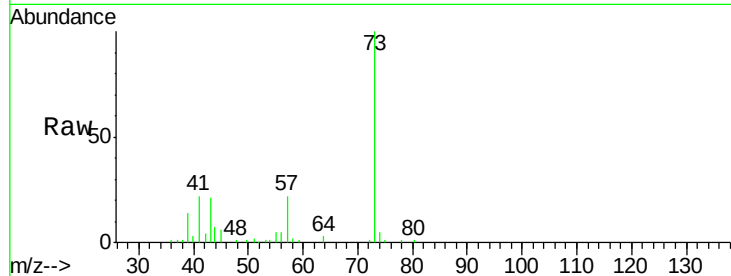


#19

Methyl tert-butyl Ether
 Concen: 7.927 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VX000605.D
 Acq: 31 Mar 2018 20:24

Instrument :
 MSVOA_X
 ClientSampleId :

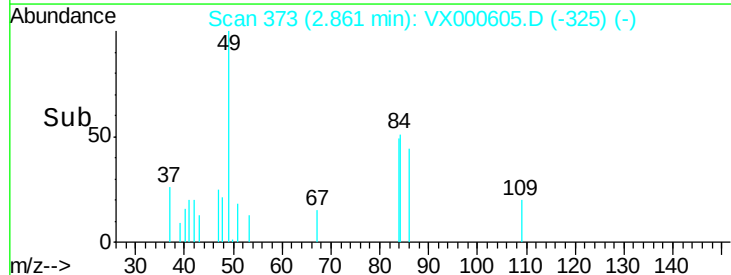
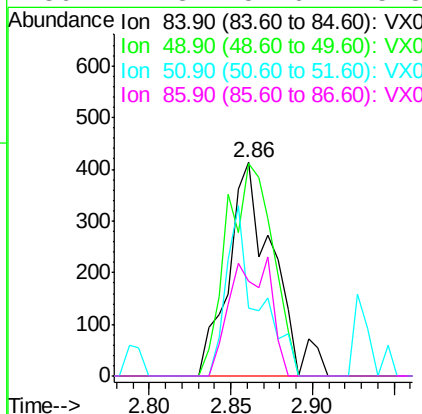
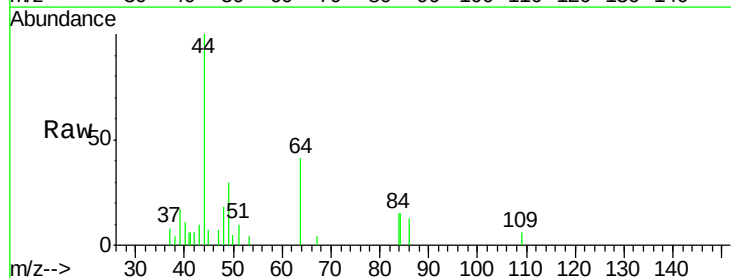
Tot Ion: 73 Resp: 33261
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.2 25.8

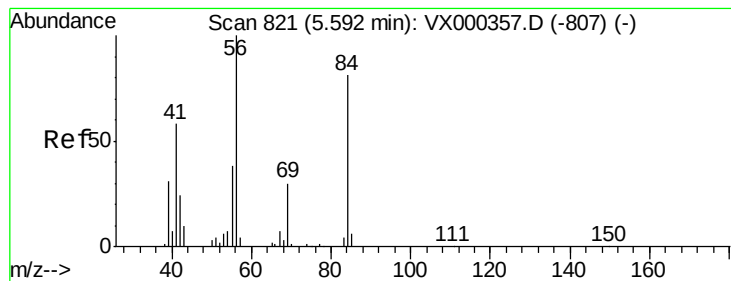


#20

Methylene Chloride
 Concen: 0.594 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VX000605.D
 Acq: 31 Mar 2018 20:24

Tgt Ion: 84 Resp: 780
 Ion Ratio Lower Upper
 84 100
 49 99.8 100.6 151.0#
 51 31.7 31.6 47.4
 86 44.3 52.6 78.8#





#31

Cyclohexane

Concen: 1.671 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

Instrument :

MSVOA_X

ClientSampleId :

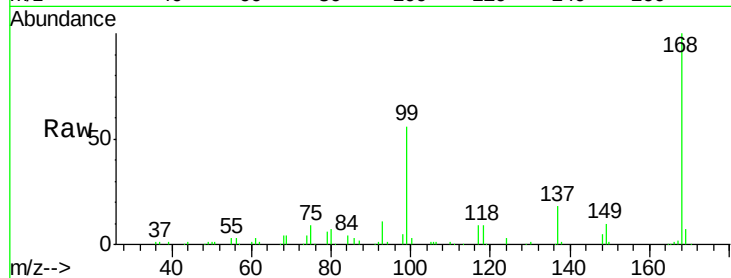
Tot Ion: 56 Resp: 2881

Ion Ratio Lower Upper

56 100

69 116.7 23.4 35.0#

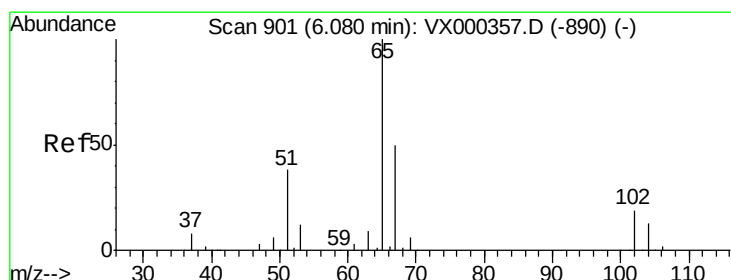
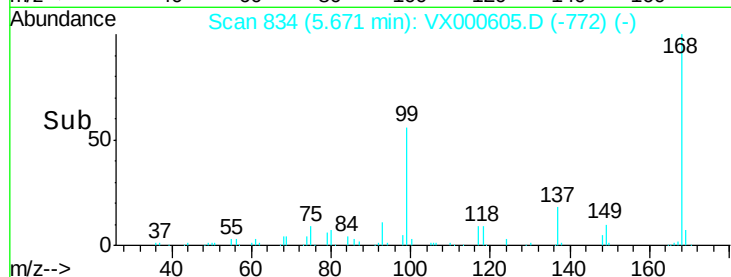
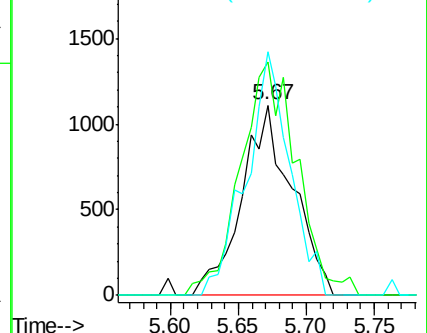
84 127.9 71.0 106.4#



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: 52.038 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000605.D

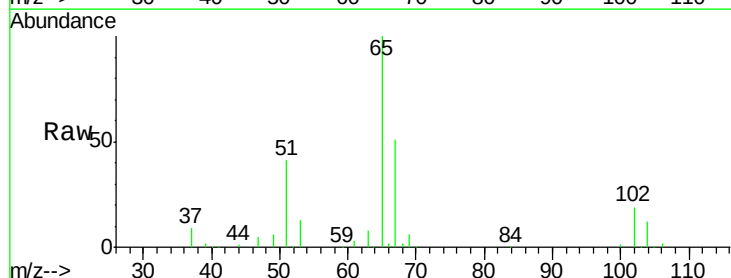
Acq: 31 Mar 2018 20:24

Tgt Ion: 65 Resp: 71099

Ion Ratio Lower Upper

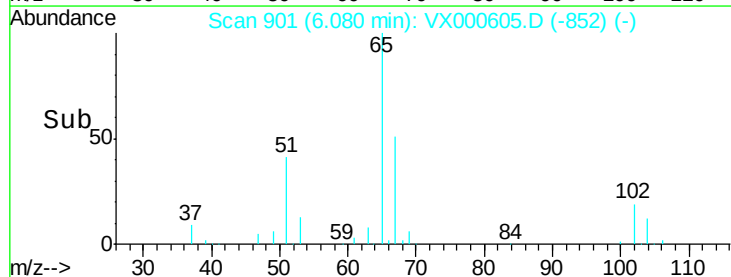
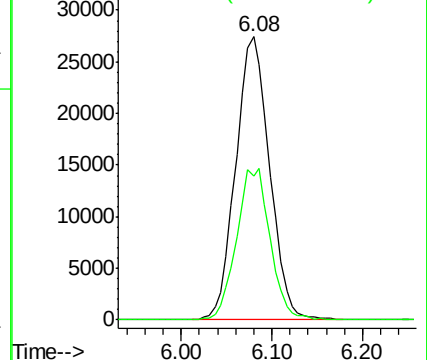
65 100

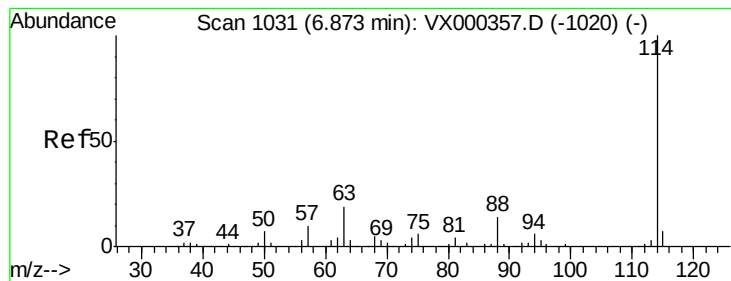
67 53.1 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

Instrument :

MSVOA_X

ClientSampleId :

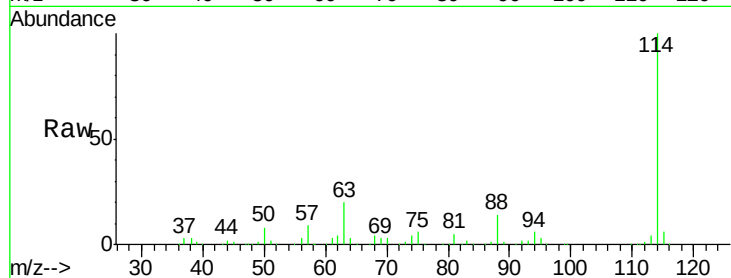
Tot Ion:114 Resp: 174659

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

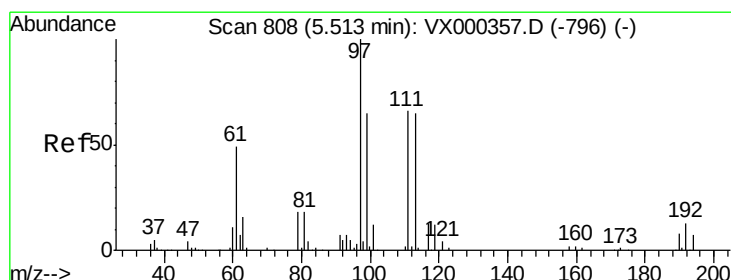
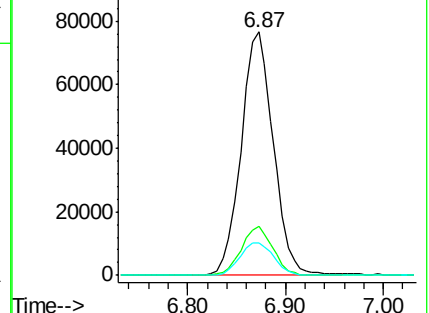
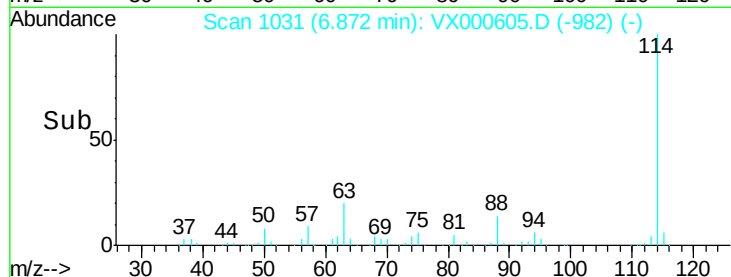
88 13.6 0.0 27.0



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: 50.699 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

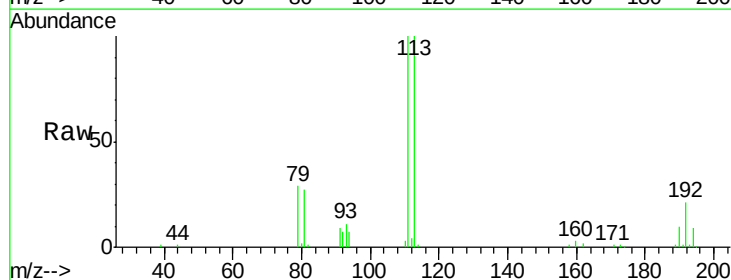
Tgt Ion:113 Resp: 55794

Ion Ratio Lower Upper

113 100

111 104.4 82.4 123.6

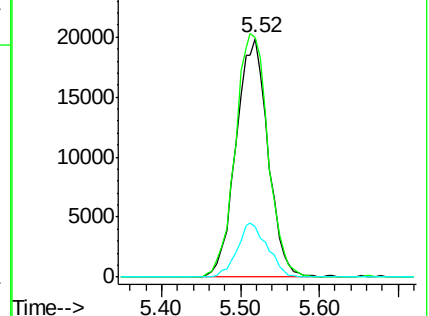
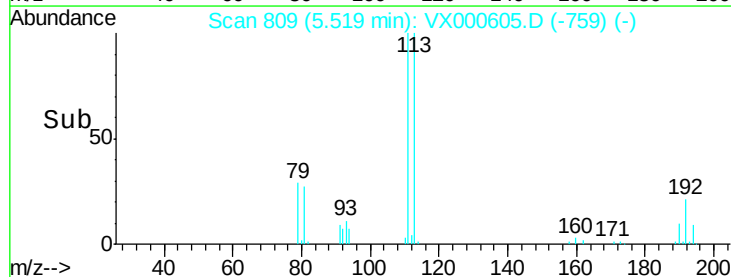
192 21.5 15.8 23.6

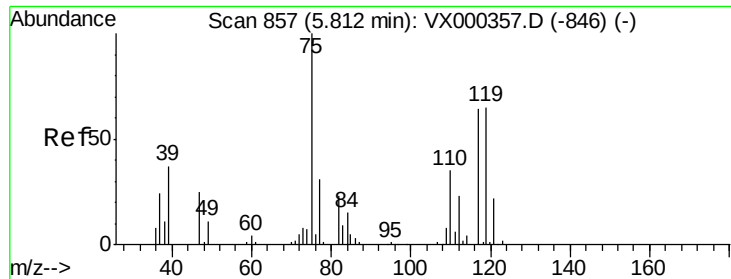


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

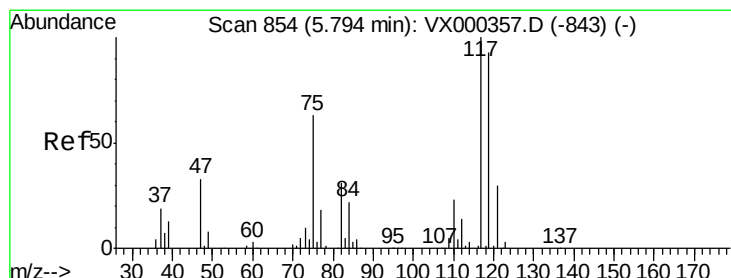
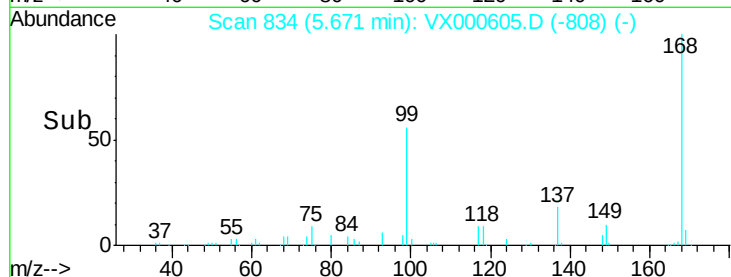
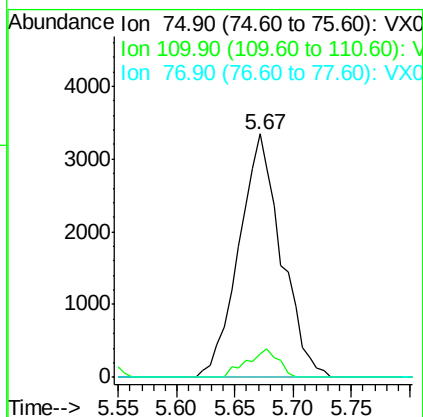
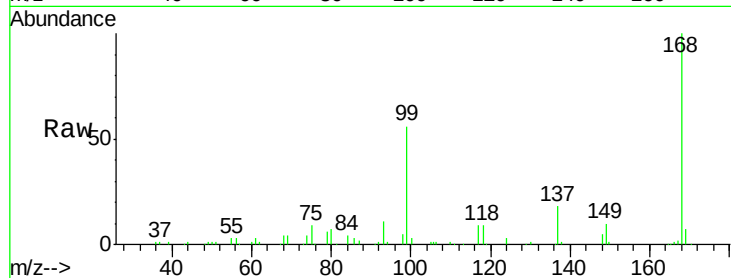




#36
 1,1-Dichloropropene
 Concen: 5.172 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000605.D
 Acq: 31 Mar 2018 20:24

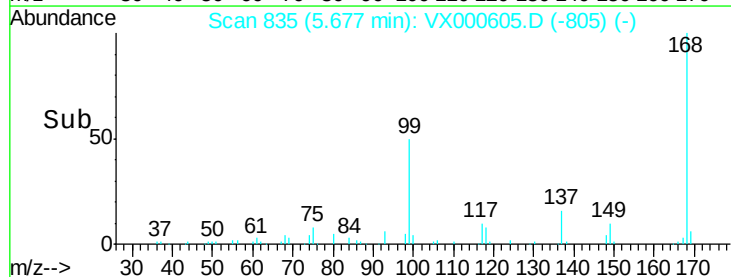
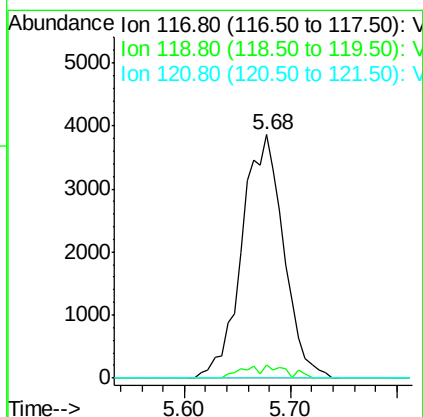
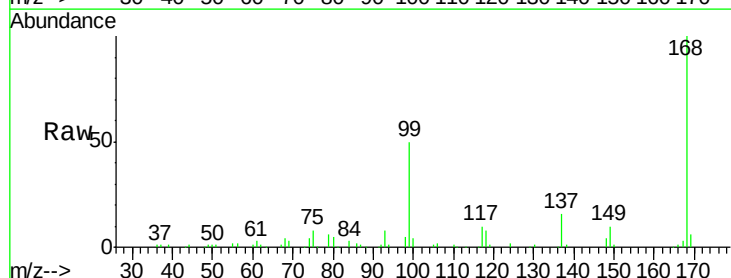
Instrument :
 MSVOA_X
 ClientSampleId :

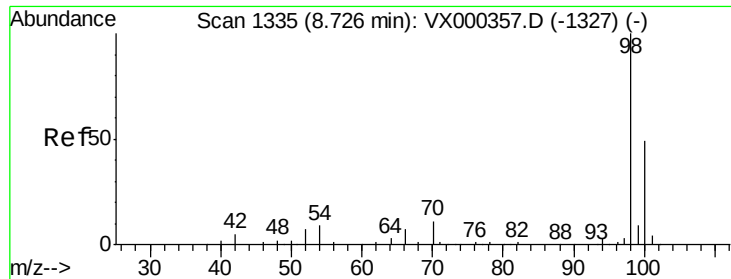
Tot Ion: 75 Resp: 8462
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 6.171 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000605.D
 Acq: 31 Mar 2018 20:24

Tgt Ion: 117 Resp: 10592
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.4 116.2#
 121 0.0 24.8 37.2#

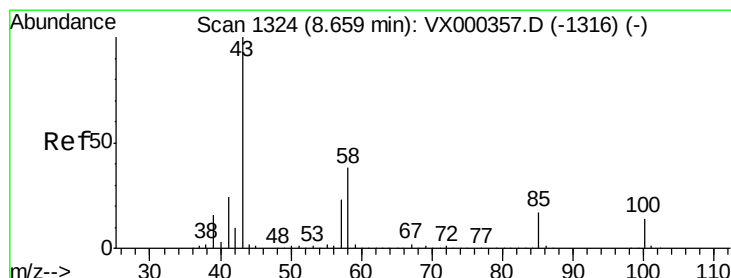
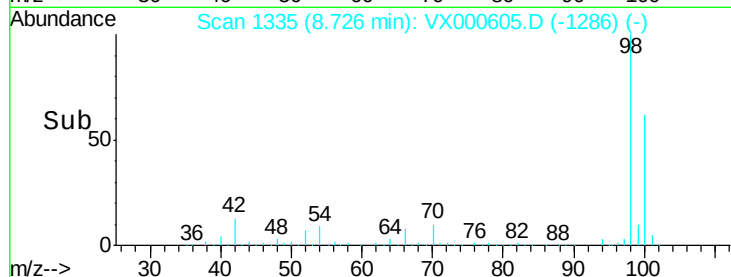
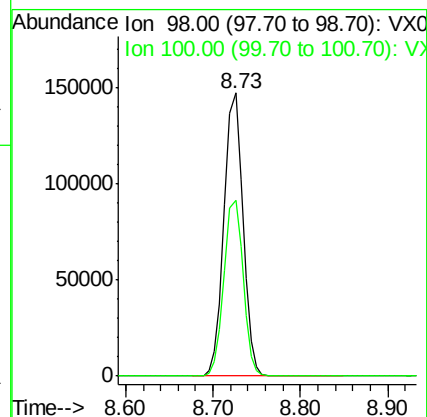
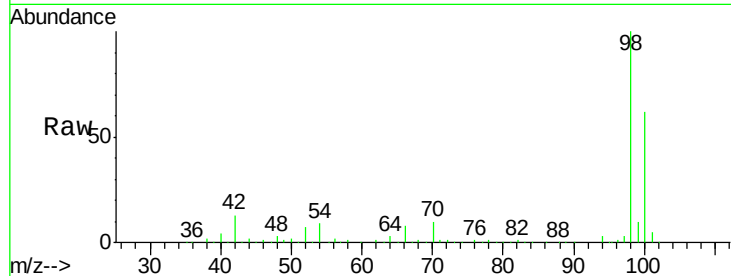




#50
Toluene-d8
Concen: 48.808 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000605.D
Acq: 31 Mar 2018 20:24

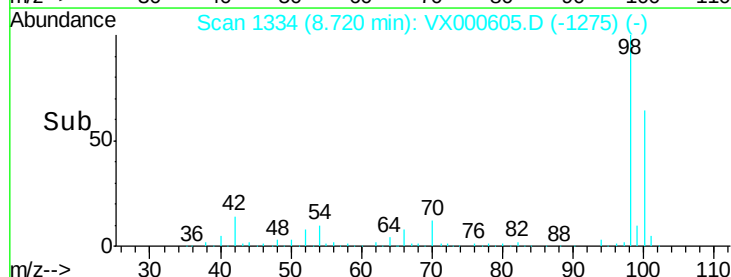
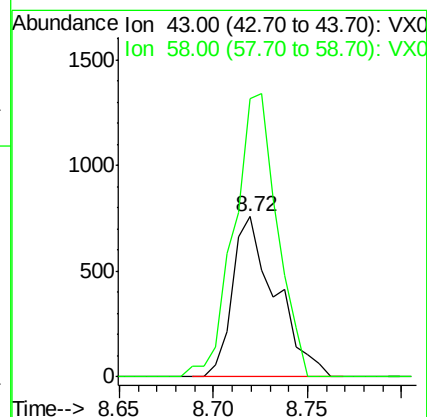
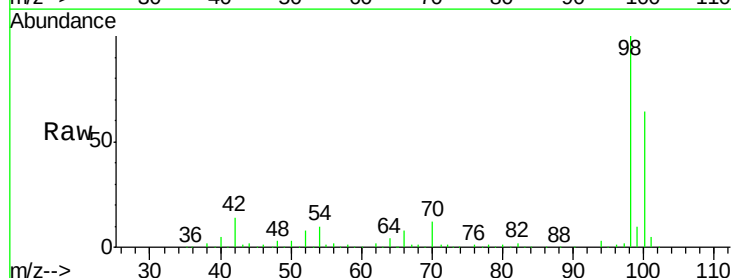
Instrument :
MSVOA_X
ClientSampleId :

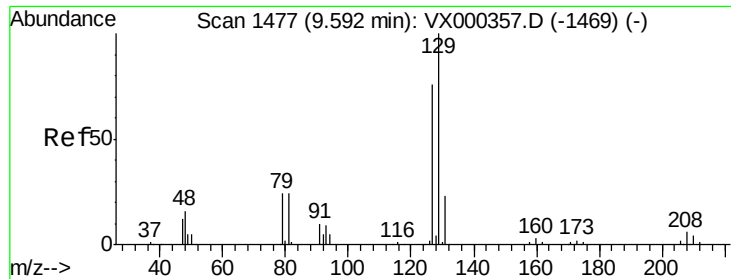
Tot Ion: 98 Resp: 222462
Ion Ratio Lower Upper
98 100
100 62.9 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000605.D
Acq: 31 Mar 2018 20:24

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 176.0 30.3 45.5#





#60

Dibromochloromethane

Concen: 4.130 ug/l

RT: 9.35 min Scan# 1438

Delta R.T. -0.24 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

Instrument :

MSVOA_X

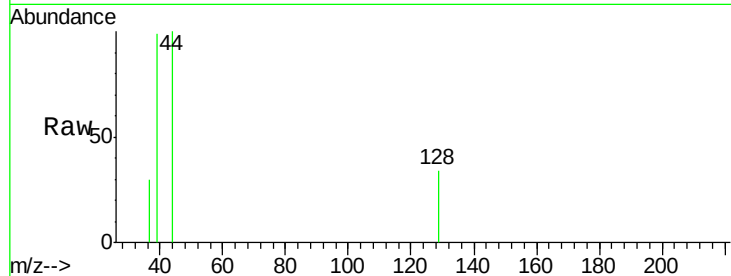
ClientSampleId :

Tot Ion:129 Resp: 23

Ion Ratio Lower Upper

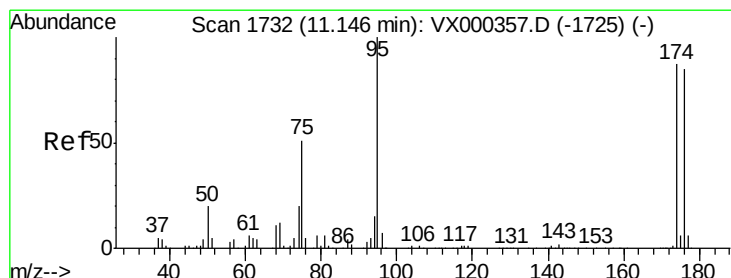
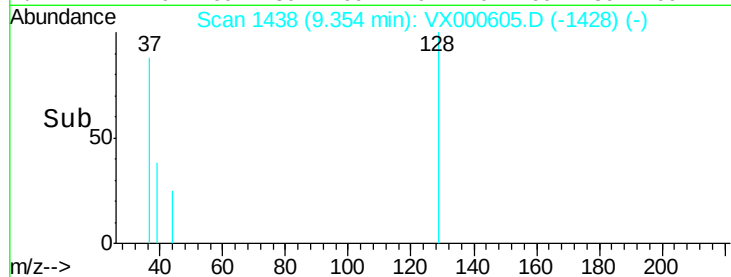
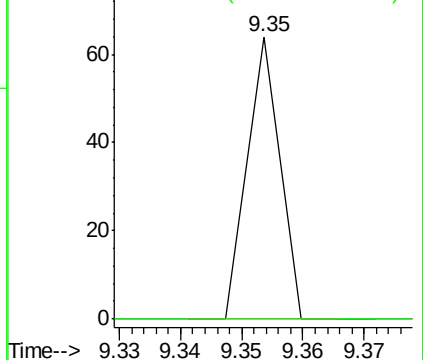
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 40.861 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

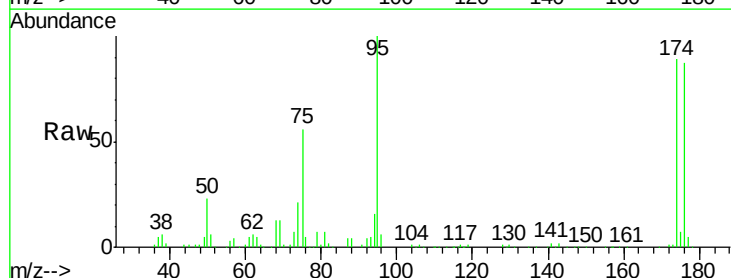
Tgt Ion: 95 Resp: 76217

Ion Ratio Lower Upper

95 100

174 91.5 0.0 173.6

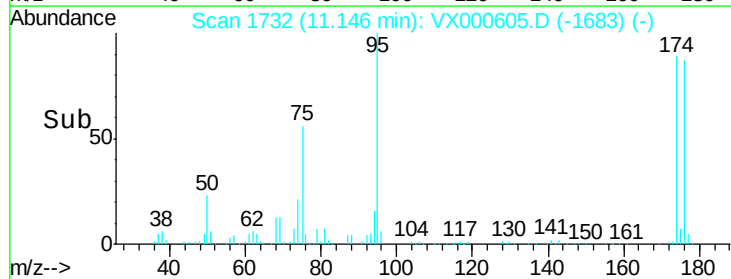
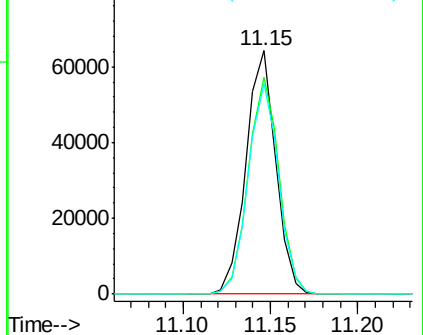
176 88.3 0.0 164.6

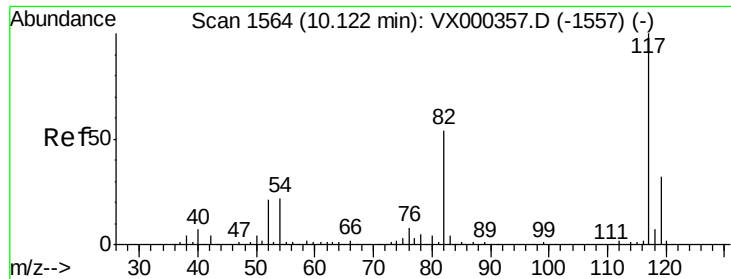


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

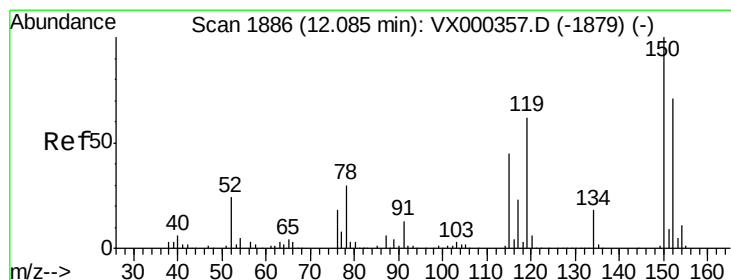
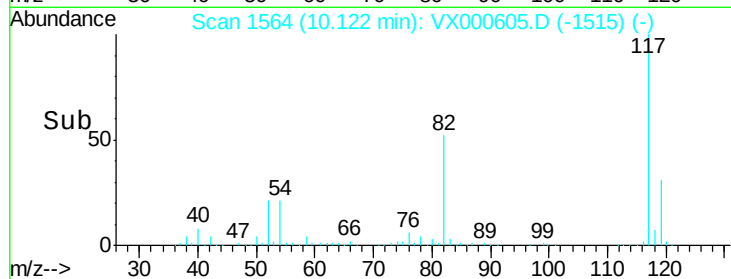
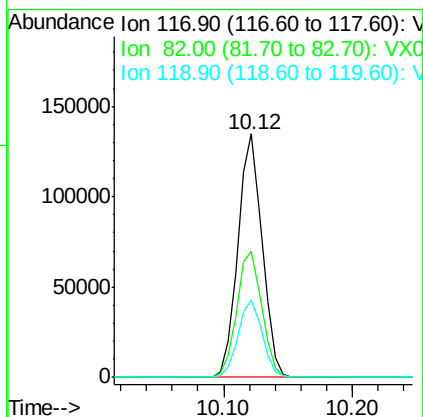
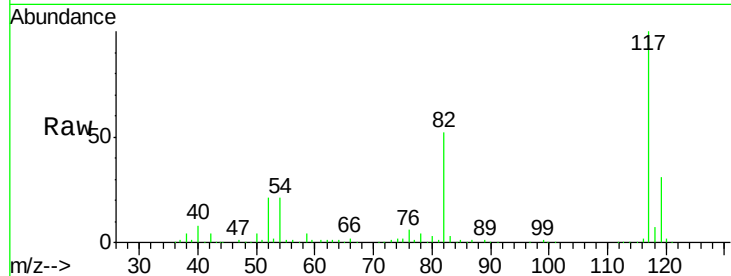




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000605.D
Acq: 31 Mar 2018 20:24

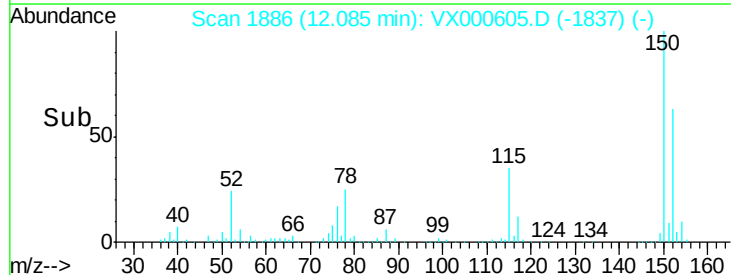
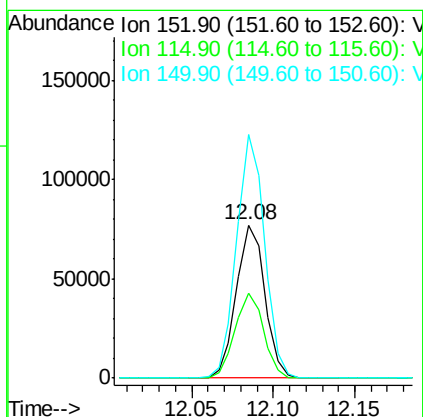
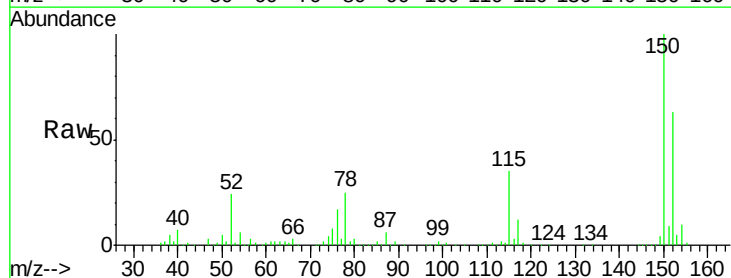
Instrument :
MSVOA_X
ClientSampleId :

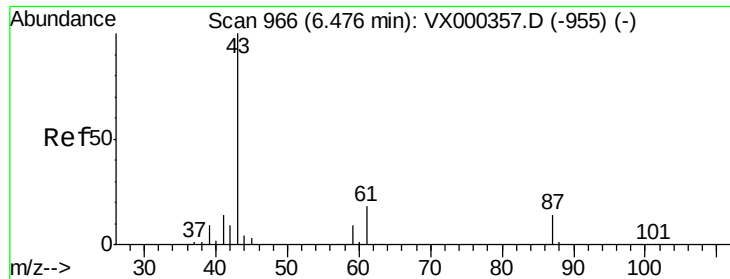
Tot Ion:117 Resp: 175503
Ion Ratio Lower Upper
117 100
82 51.7 43.8 65.8
119 31.5 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000605.D
Acq: 31 Mar 2018 20:24

Tgt Ion:152 Resp: 94510
Ion Ratio Lower Upper
152 100
115 55.4 39.8 119.3
150 155.9 0.0 344.4





#74

N-amvl acetate

Concen: Below Cal

RT: 6.32 min Scan# 940

Delta R.T. -0.16 min

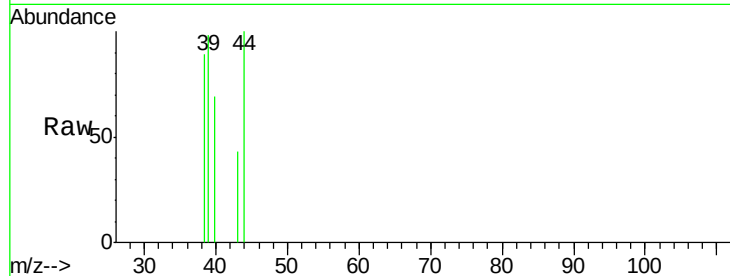
Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

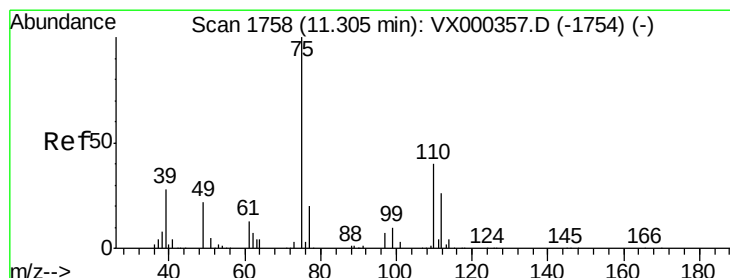
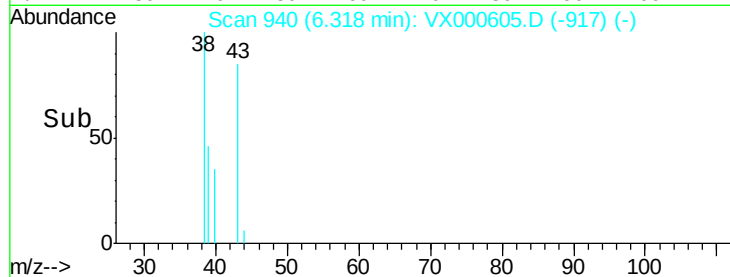
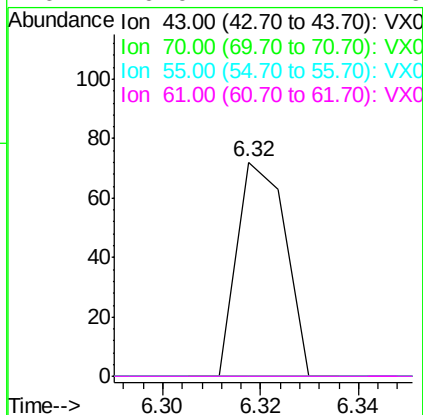
Instrument :

MSVOA_X

ClientSampled :



Tot Ion:	43	Resp:	49
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: 21.540 ug/l

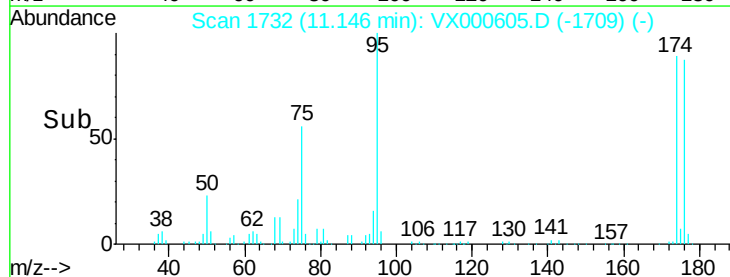
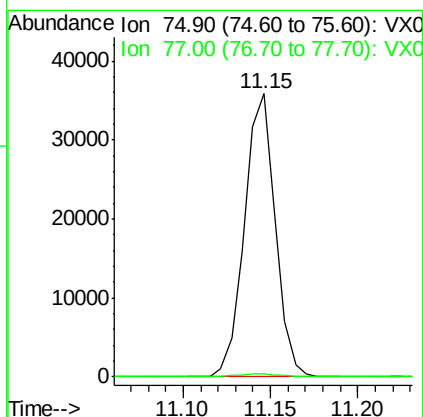
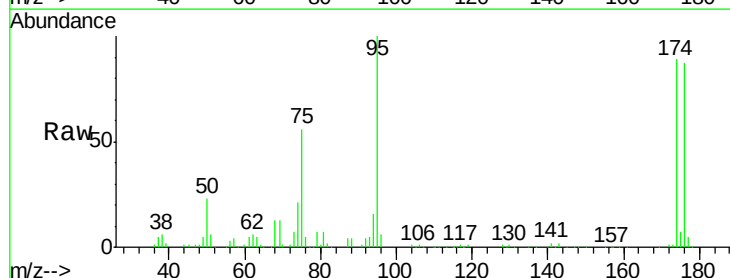
RT: 11.15 min Scan# 1732

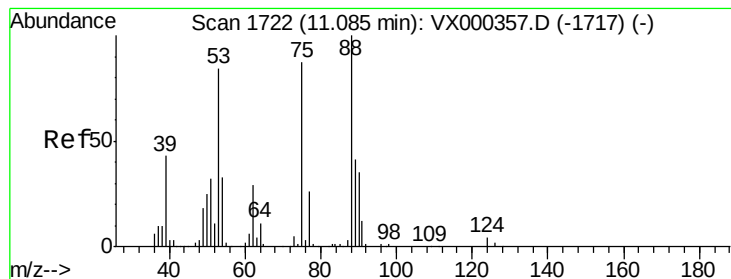
Delta R.T. -0.16 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

Tgt Ion:	75	Resp:	43751
Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.4	64.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.738 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000605.D

Acq: 31 Mar 2018 20:24

Instrument :

MSVOA_X

ClientSampleId :

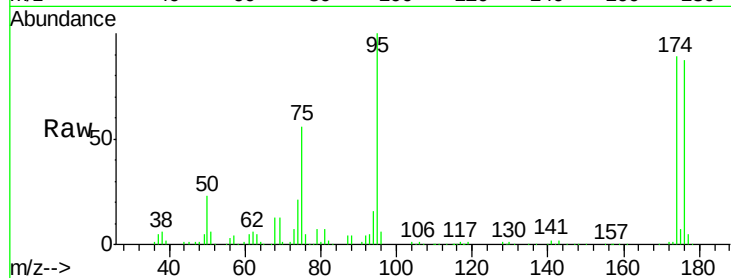
Tot Ion: 75 Resp: 43751

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.1 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

