

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002247.D
 Acq On : 02 Jun 2018 18:44
 Operator : JC/MD
 Sample : J3234-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0052

Quant Time: Jun 04 05:13:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175571	50.00	ug/l	0.00

System Monitoring Compounds

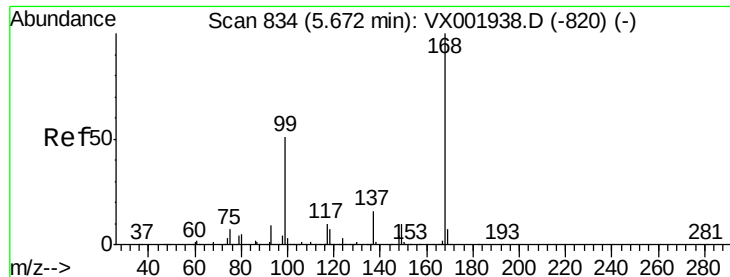
33) 1,2-Dichloroethane-d4	6.07	65	216944	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	5.51	113	156458	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
50) Toluene-d8	8.72	98	619893	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.14	95	218490	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	

Target Compounds

						Qvalue
5) Bromomethane	1.64	94	1452	Below Cal		87
8) Diethyl Ether	2.19	74	875	0.46 ug/l		77
10) Methyl Iodide	2.52	142	1360	0.34 ug/l		97
11) Tert butyl alcohol	3.08	59	286	0.34 ug/l #		12
13) Acrolein	2.29	56	158	0.44 ug/l		88
16) Acetone	2.45	43	2767	1.70 ug/l		98
18) Methyl Acetate	2.78	43	365	Below Cal		92
20) Methylene Chloride	2.85	84	812	Below Cal #		77
21) trans-1,2-Dichloroethene	3.16	96	192	Below Cal #		80
28) Bromochloromethane	5.01	49	19	Below Cal #		14
31) Cyclohexane	5.67	56	4977	0.85 ug/l #		16
36) 1,1-Dichloropropene	5.66	75	17146	3.56 ug/l #		52
38) Carbon Tetrachloride	5.67	117	22944	4.09 ug/l #		14
41) Methacrylonitrile	5.07	41	219	Below Cal #		45
74) N-amyl acetate	6.48	43	379	Below Cal #		60
75) 1,1,2,2-Tetrachloroethane	11.26	83	22	Below Cal #		25
76) 1,2,3-Trichloropropane	11.14	75	117121	27.77 ug/l #		32
79) 2-Chlorotoluene	11.52	91	607	Below Cal		87
81) trans-1,4-Dichloro-2-buten	11.14	75	117121	66.75 ug/l #		10

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

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ALS Vial : 14 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

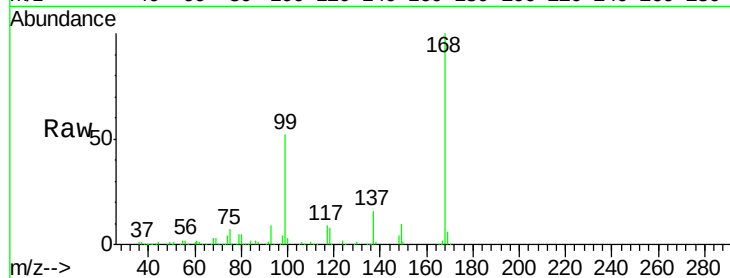
LF6-0052

Tot Ion:168 Resp: 236577

Ion Ratio Lower Upper

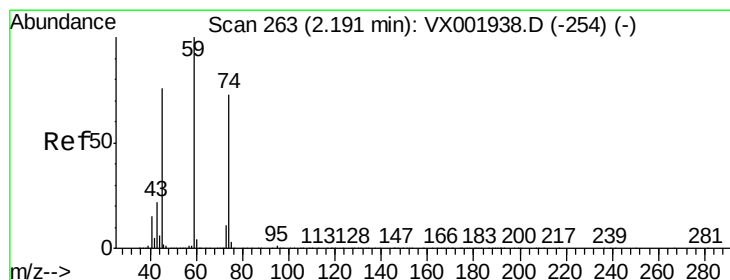
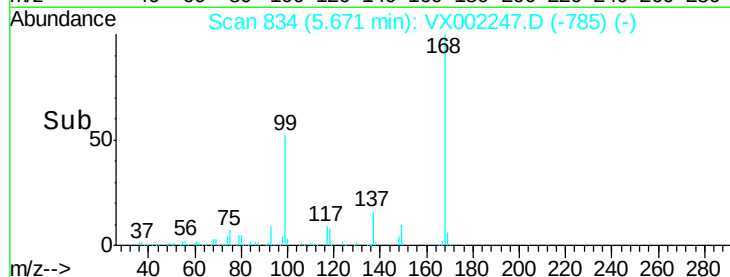
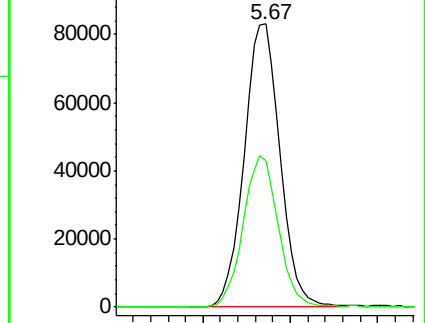
168 100

99 51.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.46 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX002247.D

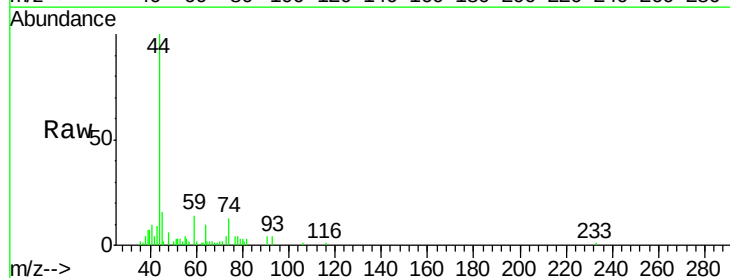
Acq: 02 Jun 2018 18:44

Tgt Ion: 74 Resp: 875

Ion Ratio Lower Upper

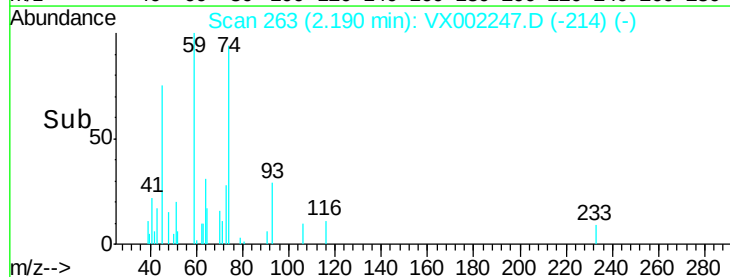
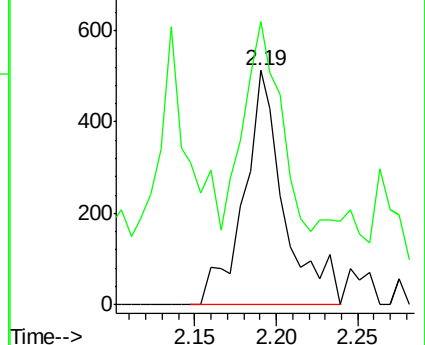
74 100

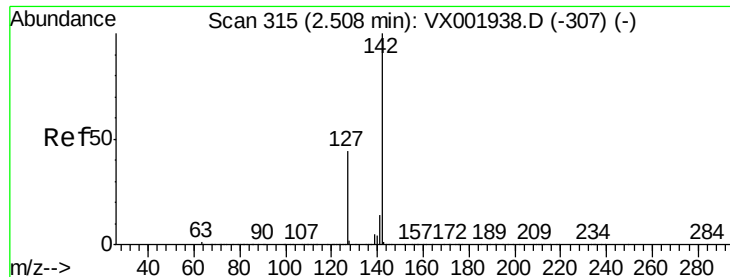
45 80.1 51.5 154.7



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

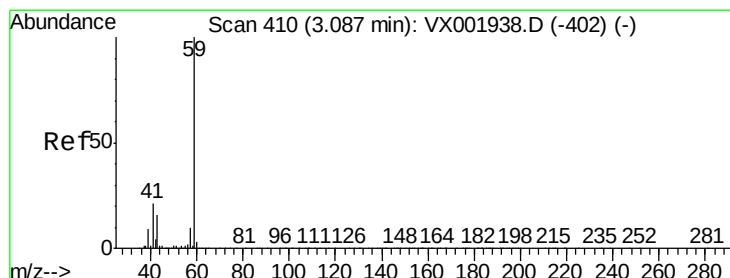
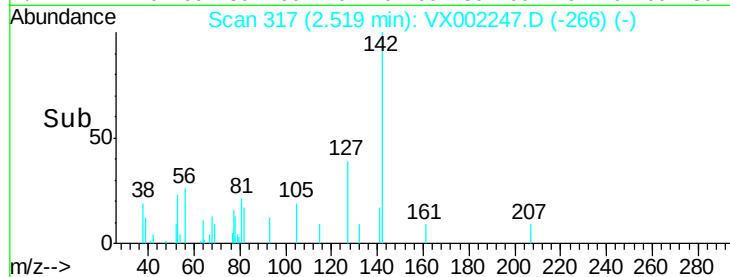
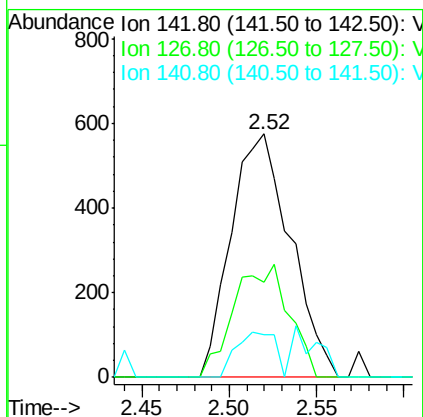
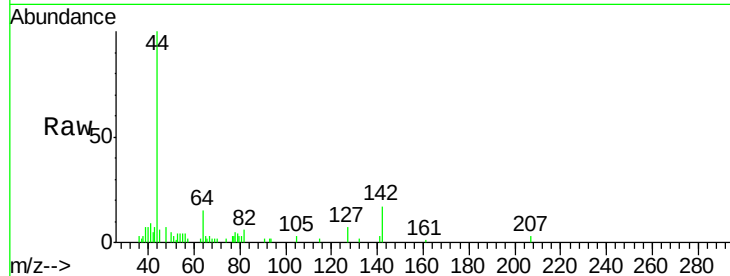




#10
Methvl Iodide
Concen: 0.34 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

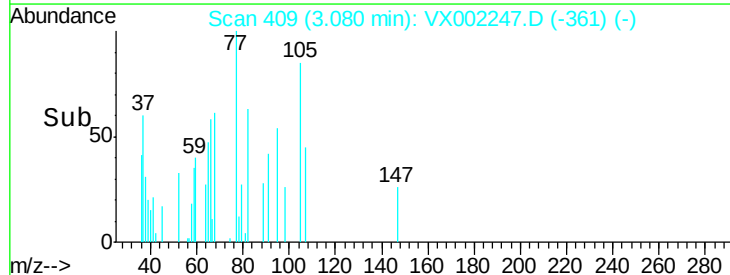
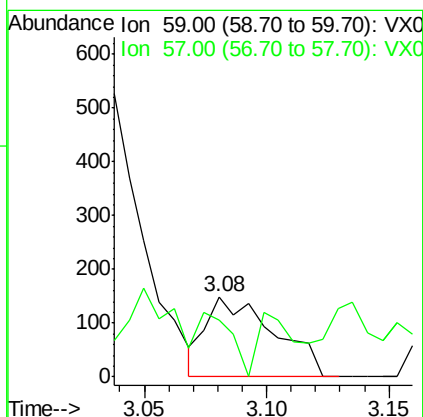
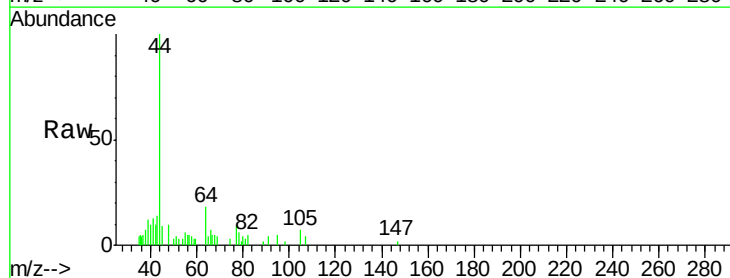
Instrument :
MSVOA_X
ClientSampled :
LF6-0052

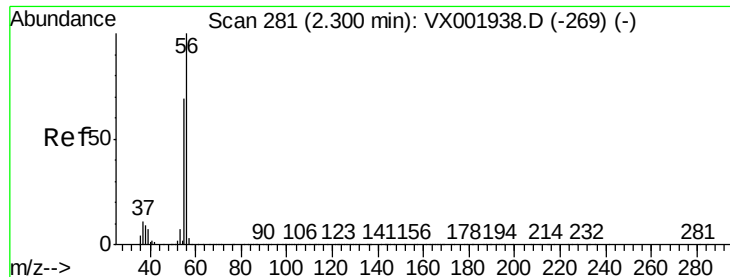
Tot Ion	Ratio	Lower	Upper
142	100		
127	43.0	35.5	53.3
141	12.3	11.3	16.9



#11
Tert butyl alcohol
Concen: 0.34 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	44.8	8.9	13.3#





#13

Acrolein

Concen: 0.44 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

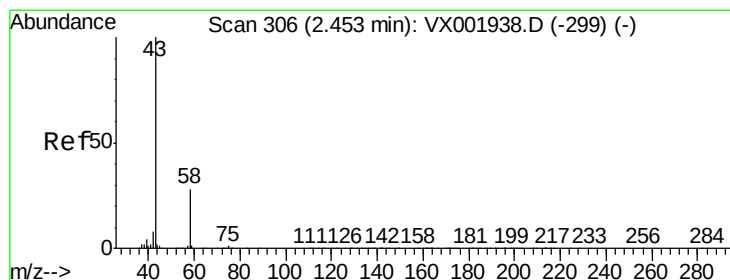
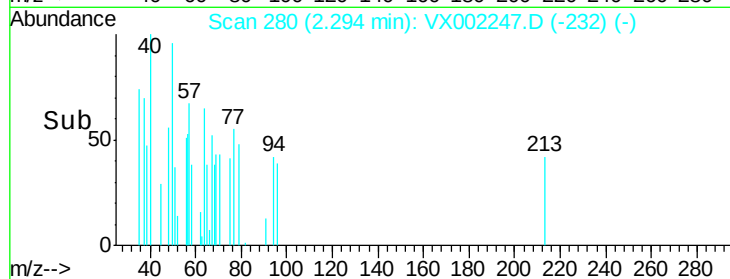
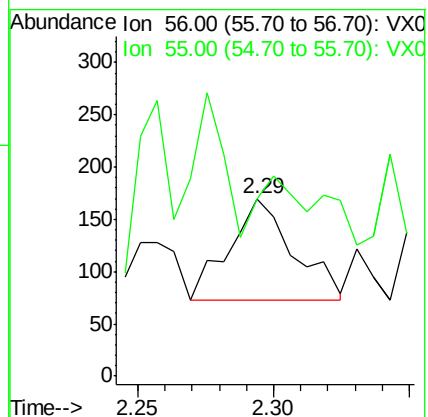
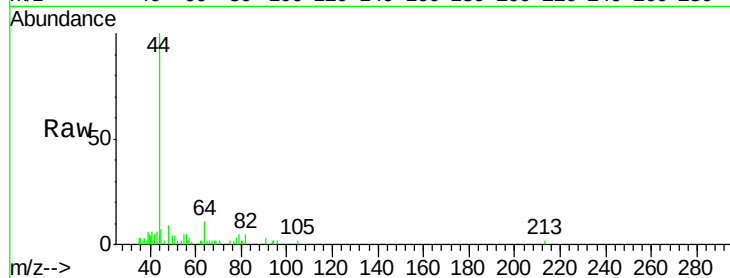
LF6-0052

Tot Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 61.4 56.8 85.2



#16

Acetone

Concen: 1.70 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002247.D

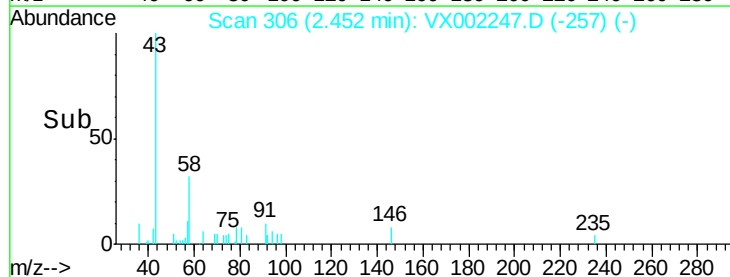
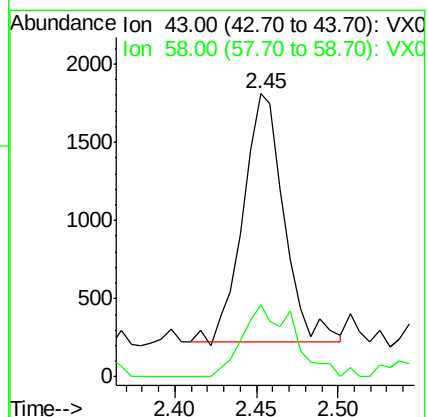
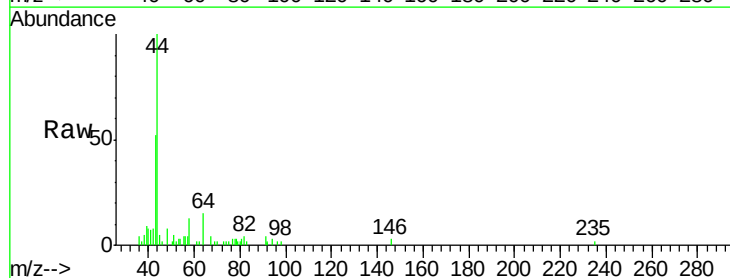
Acq: 02 Jun 2018 18:44

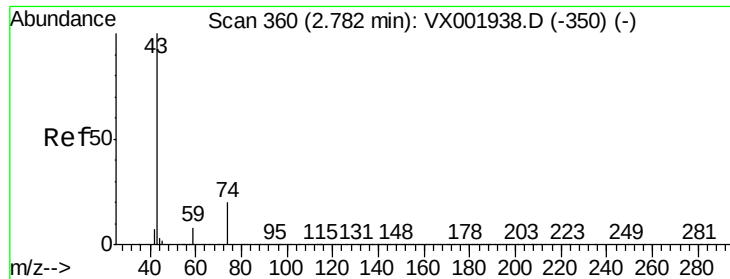
Tgt Ion: 43 Resp: 2767

Ion Ratio Lower Upper

43 100

58 29.2 22.3 33.5

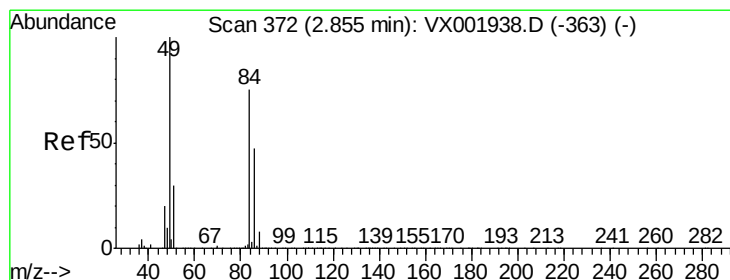
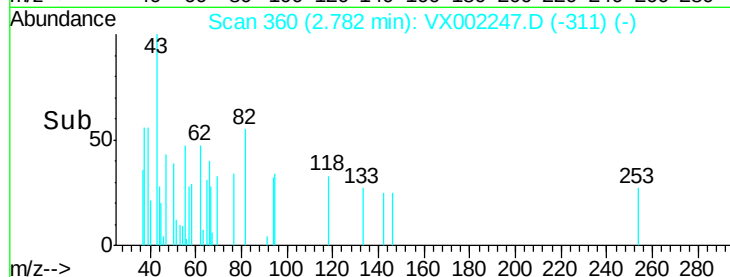
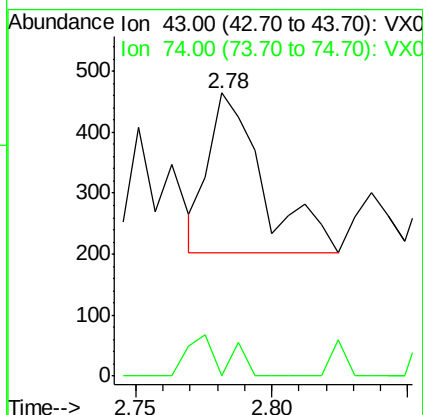
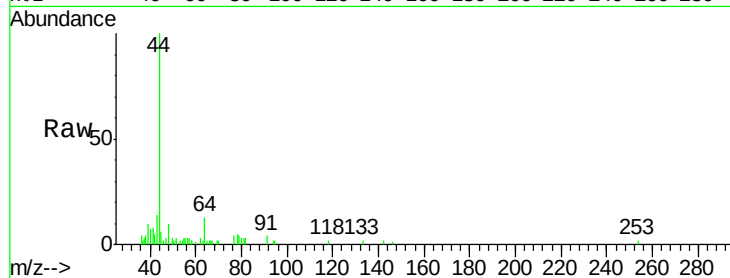




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

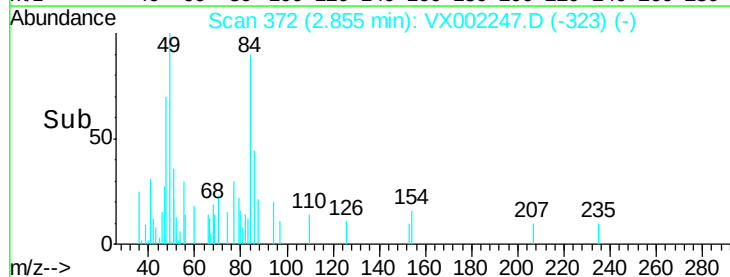
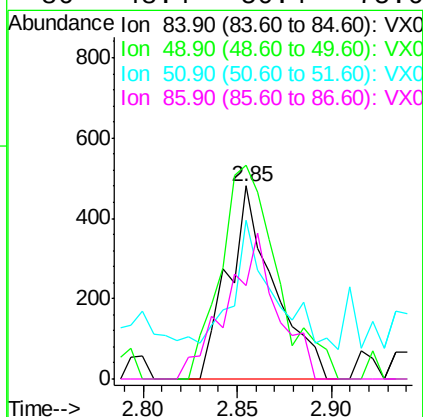
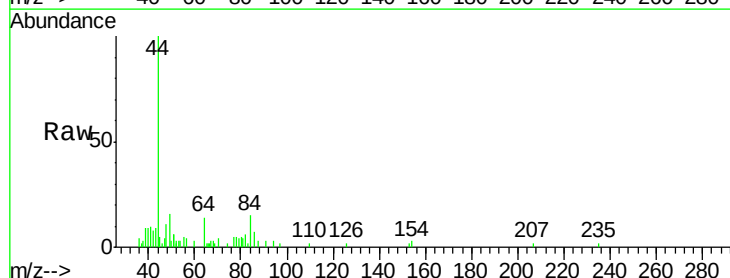
Instrument :
MSVOA_X
ClientSampled :
LF6-0052

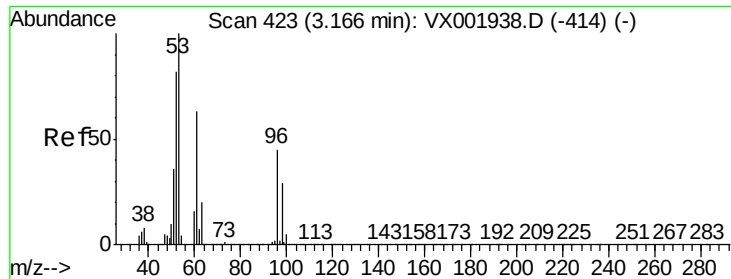
Tot Ion: 43 Resp: 365
Ion Ratio Lower Upper
43 100
74 17.3 16.8 25.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Tgt Ion: 84 Resp: 812
Ion Ratio Lower Upper
84 100
49 110.6 107.2 160.8
51 67.4 32.4 48.6#
86 48.4 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF6-0052

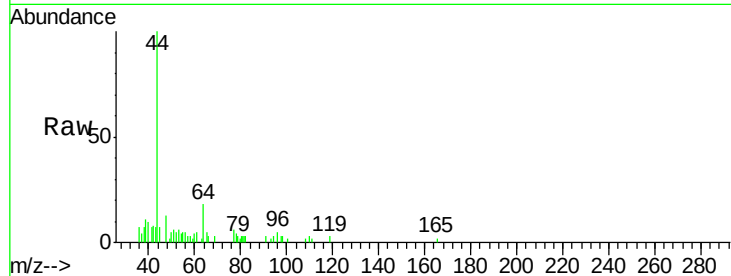
Tot Ion: 96 Resp: 192

Ion Ratio Lower Upper

96 100

61 108.9 113.3 169.9#

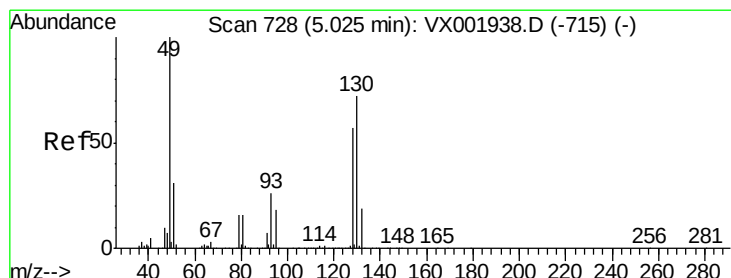
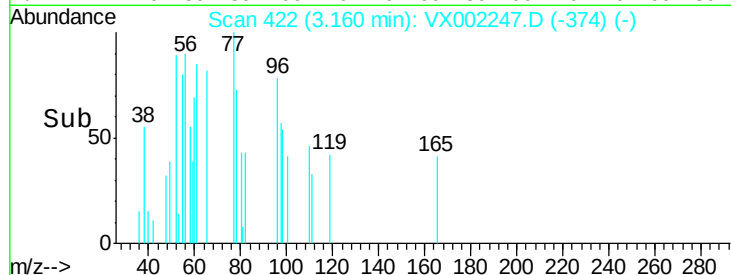
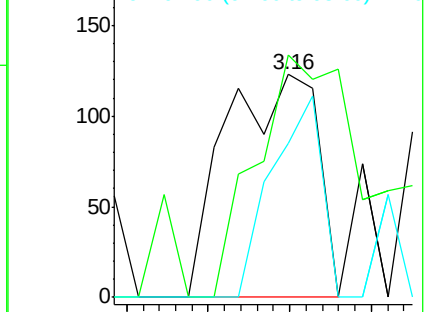
98 69.1 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

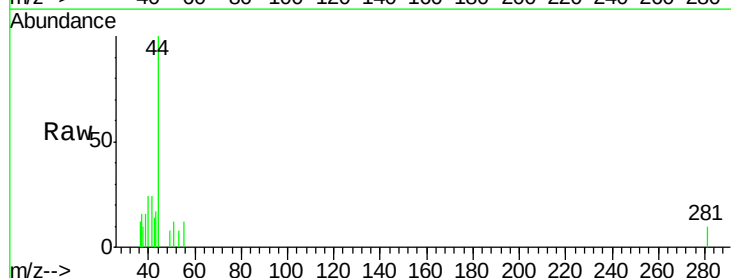
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

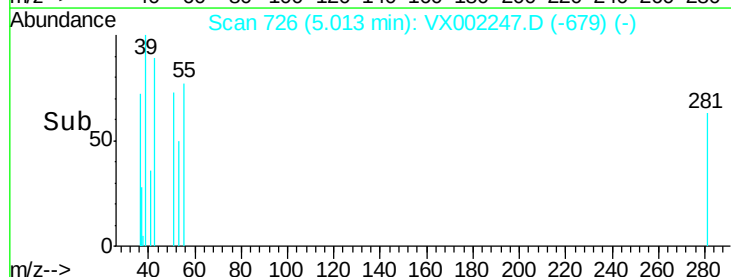
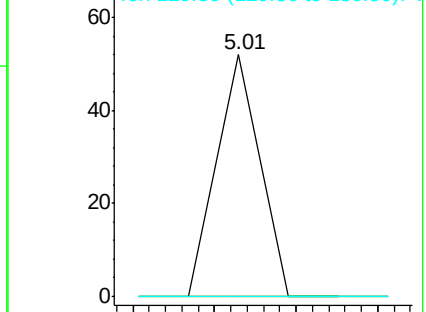
130 0.0 59.4 89.2#

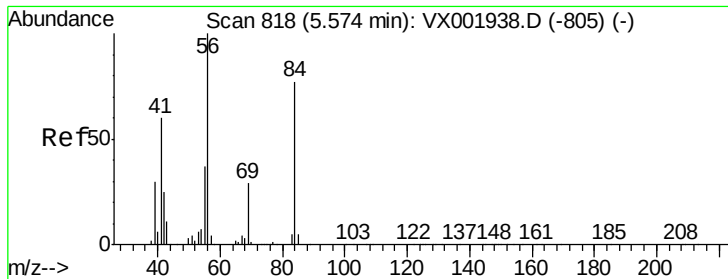


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

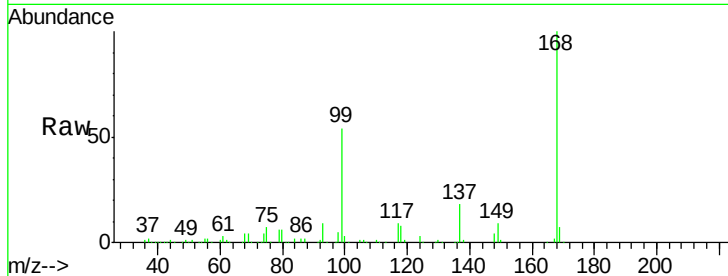




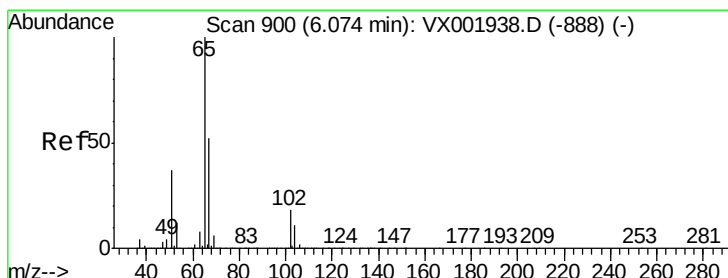
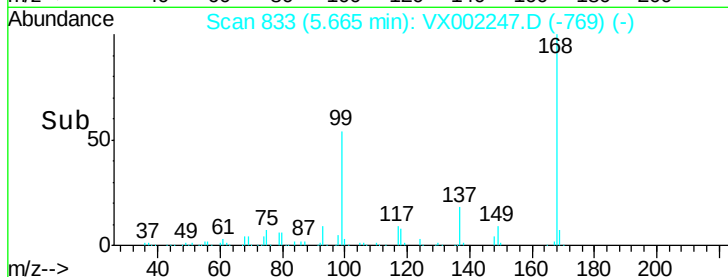
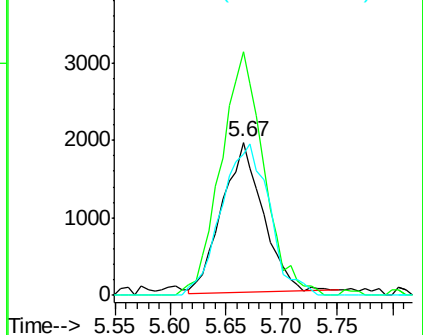
#31
Cyclohexane
Concen: 0.85 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
LF6-0052

Tot Ion: 56 Resp: 4977
Ion Ratio Lower Upper
56 100
69 164.1 23.1 34.7#
84 95.5 62.0 93.0#

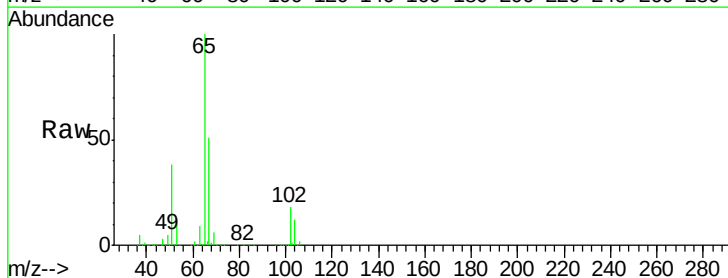


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

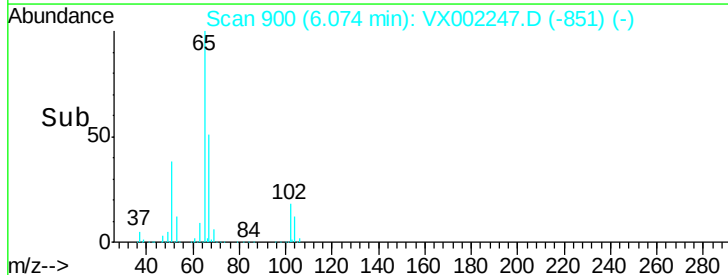
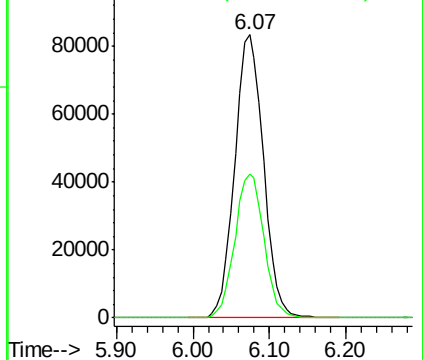


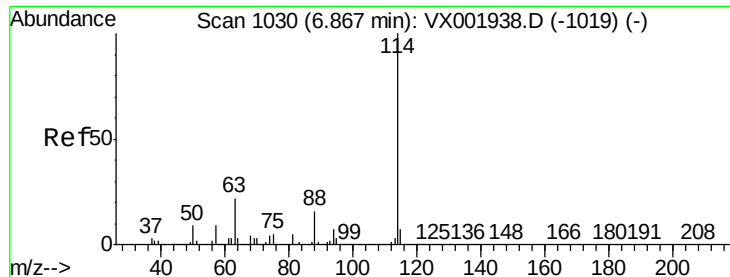
#33
1,2-Dichloroethane-d4
Concen: 51.30 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Tgt Ion: 65 Resp: 216944
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF6-0052

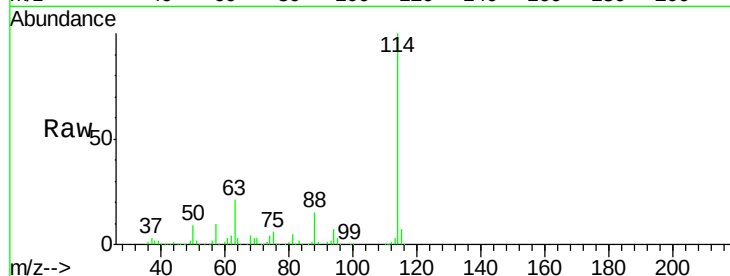
Tot Ion:114 Resp: 345839

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

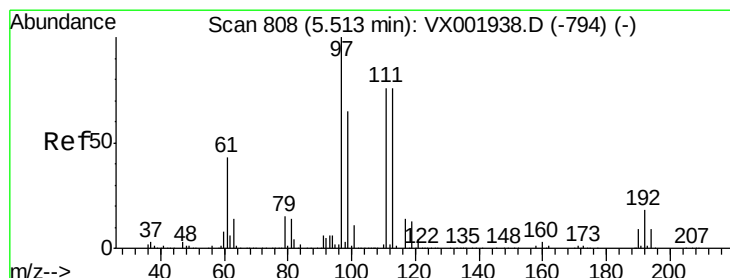
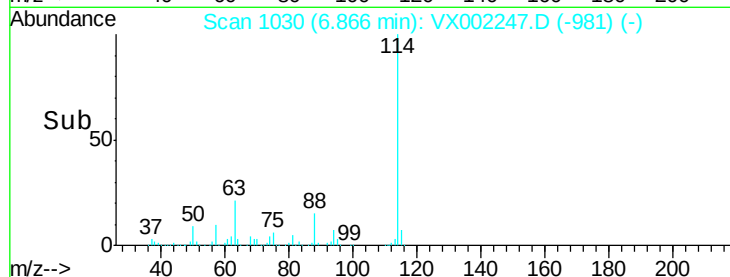
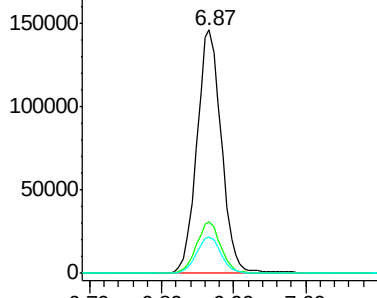
88 14.8 0.0 31.6



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: 45.24 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

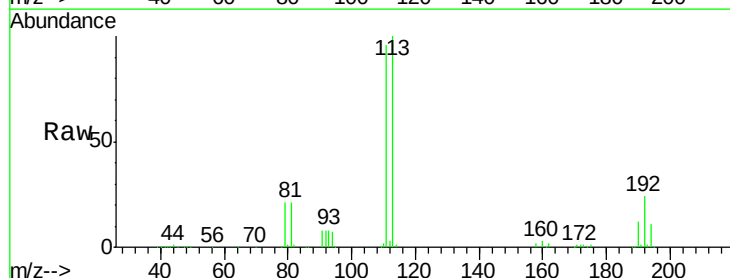
Tgt Ion:113 Resp: 156458

Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

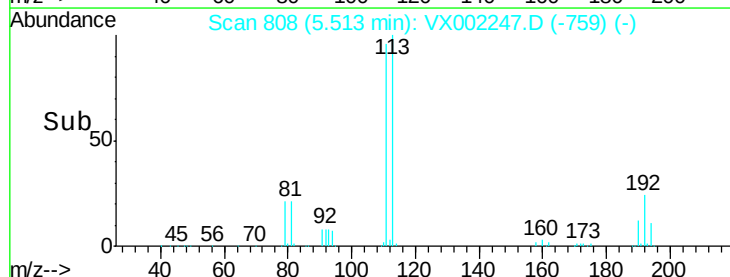
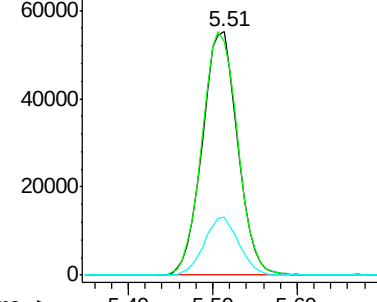
192 23.2 18.9 28.3

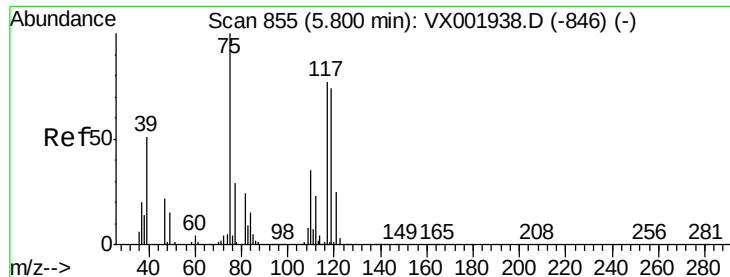


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

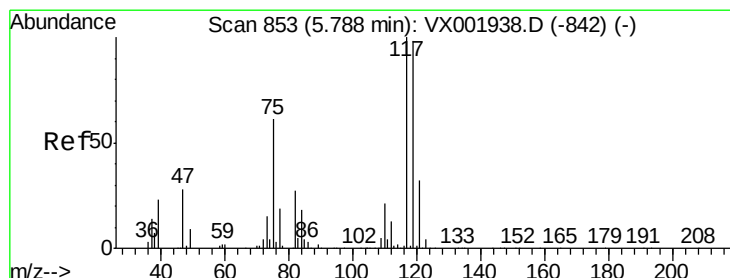
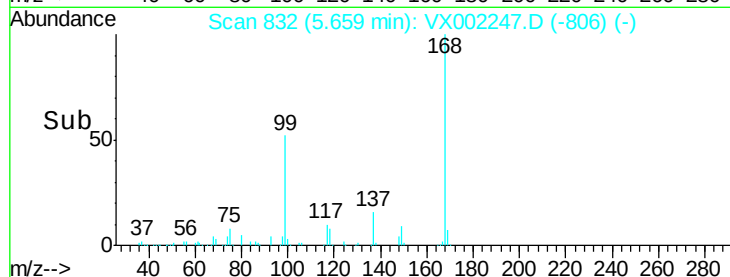
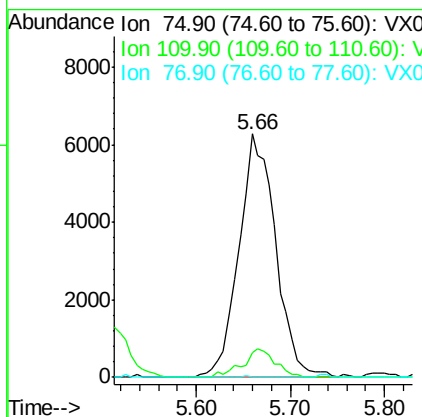
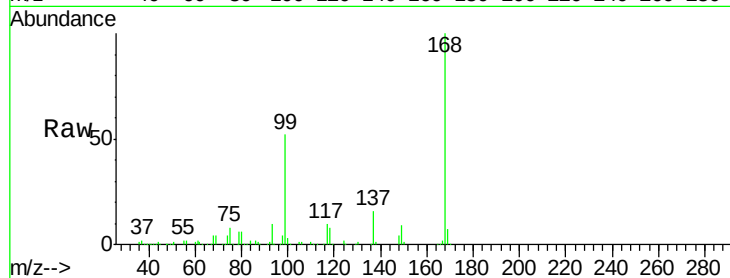




#36
 1,1-Dichloropropene
 Concen: 3.56 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX002247.D
 Acq: 02 Jun 2018 18:44

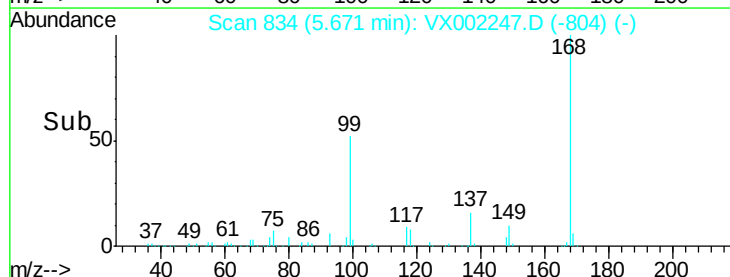
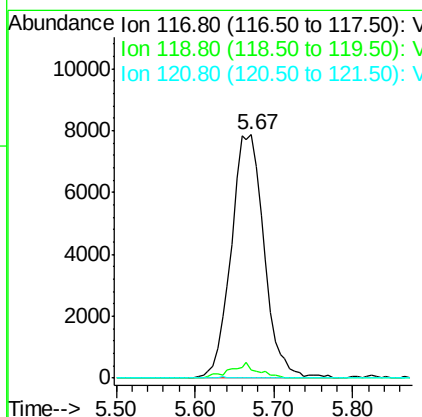
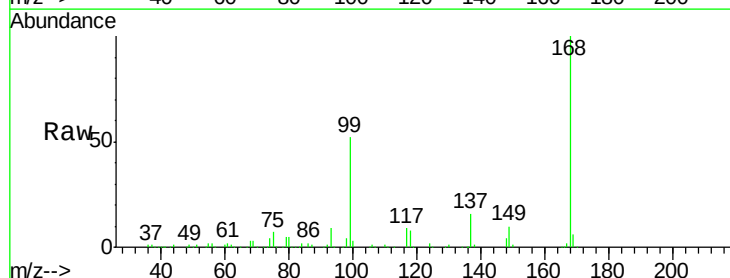
Instrument :
 MSVOA_X
 ClientSampled :
 LF6-0052

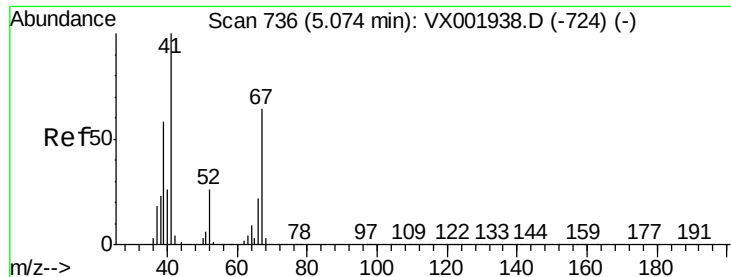
Tot Ion	75	110	77	Resp	Lower	Upper
17146	100	10.4	0.1		17.4	52.2#
					24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.09 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002247.D
 Acq: 02 Jun 2018 18:44

Tgt Ion	117	119	121	Resp	Lower	Upper
22944	100	3.3	0.0		78.5	117.7#
					25.5	38.3#

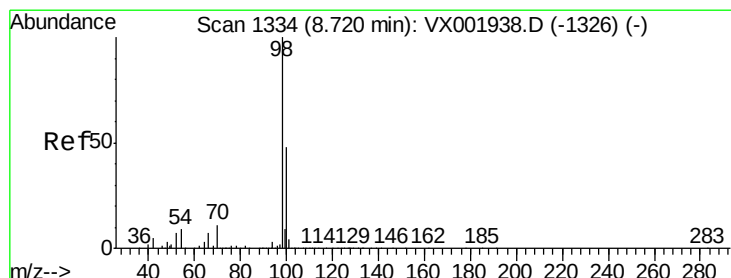
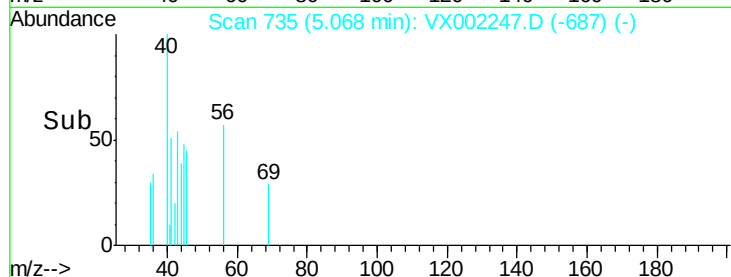
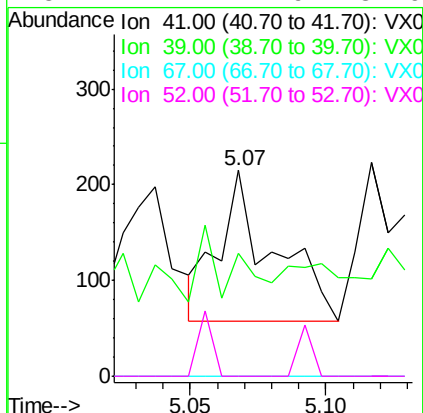
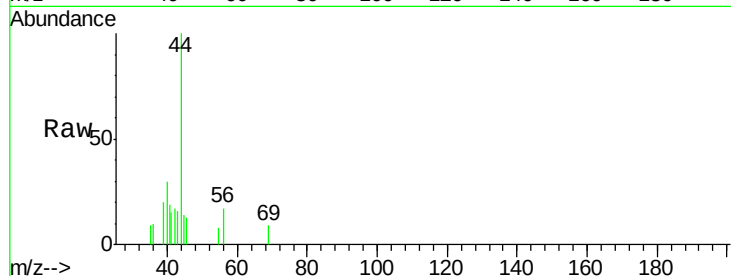




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

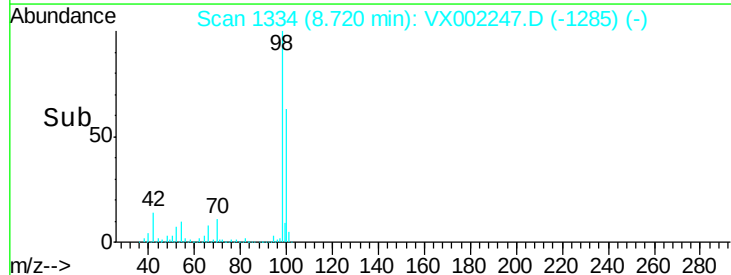
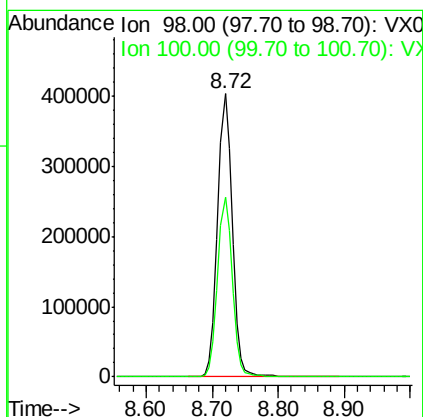
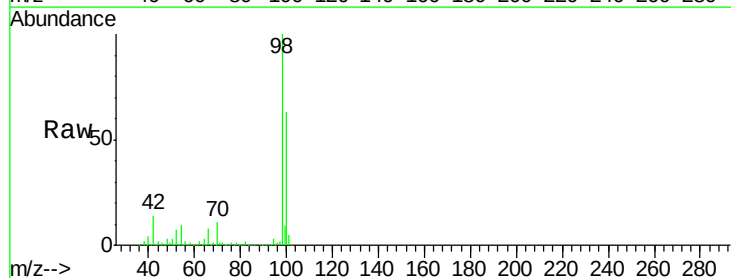
Instrument :
MSVOA_X
ClientSampleId :
LF6-0052

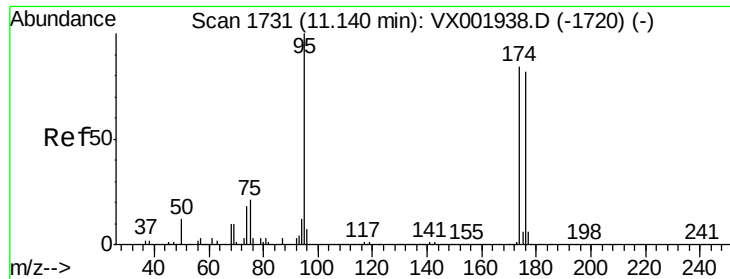
Tot Ion:	41	Resp:	219
Ion	Ratio	Lower	Upper
41	100		
39	30.6	46.0	69.0#
67	0.0	50.6	75.8#
52	11.4	21.9	32.9#



#50
Toluene-d8
Concen: 49.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Tgt Ion:	98	Resp:	619893
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3

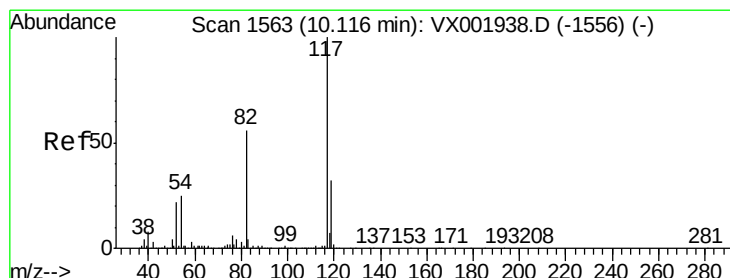
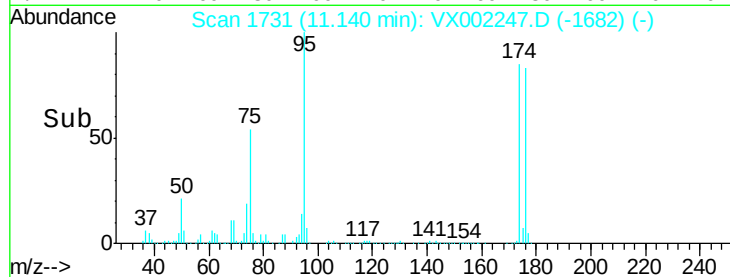
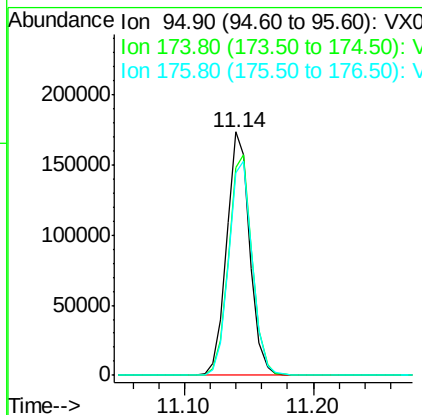
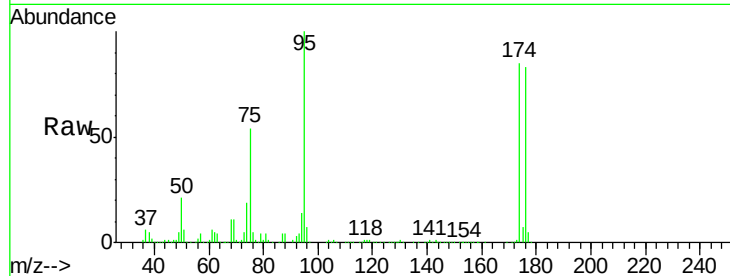




#62
4-Bromofluorobenzene
Concen: 44.60 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

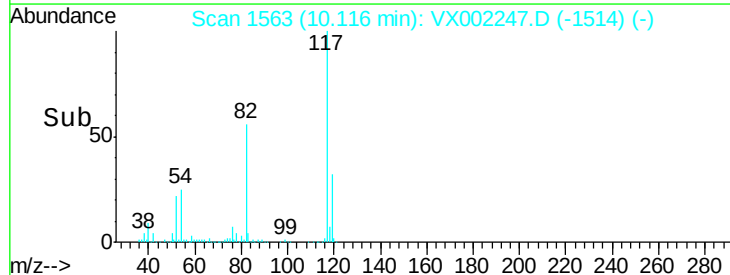
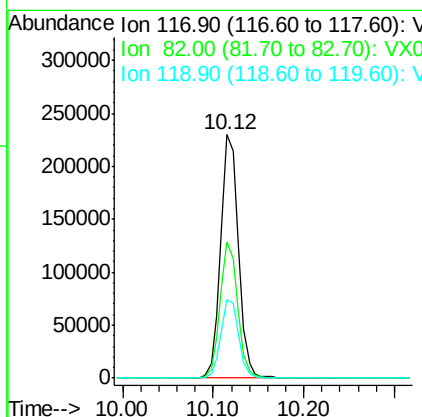
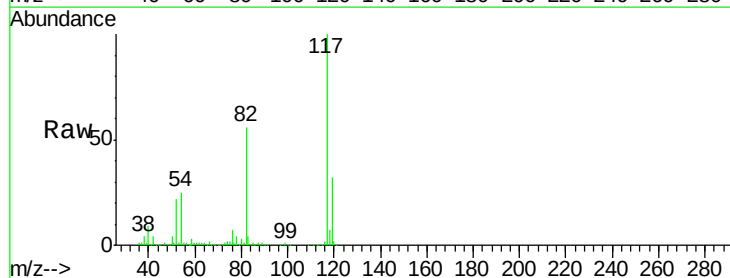
Instrument :
MSVOA_X
ClientSampled :
LF6-0052

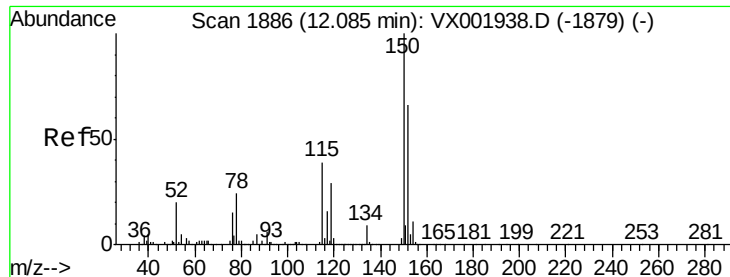
Tot Ion: 95 Resp: 218490
Ion Ratio Lower Upper
95 100
174 92.5 0.0 178.8
176 90.3 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Tgt Ion: 117 Resp: 316118
Ion Ratio Lower Upper
117 100
82 55.8 44.8 67.2
119 32.5 25.5 38.3



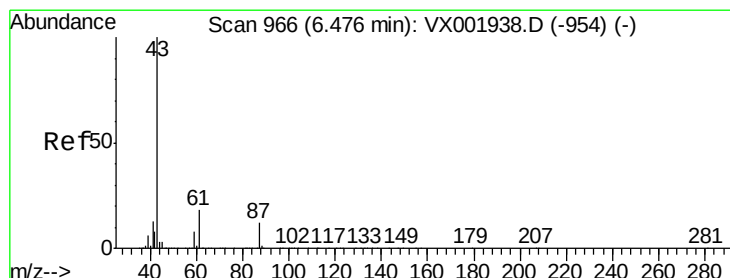
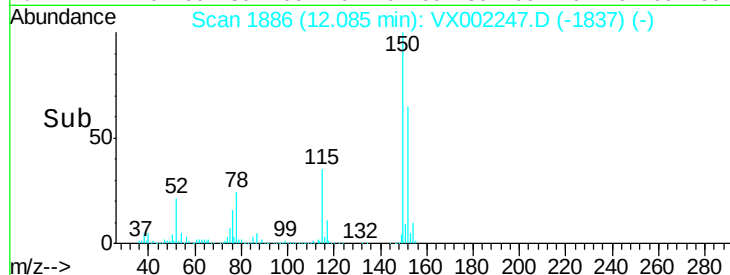
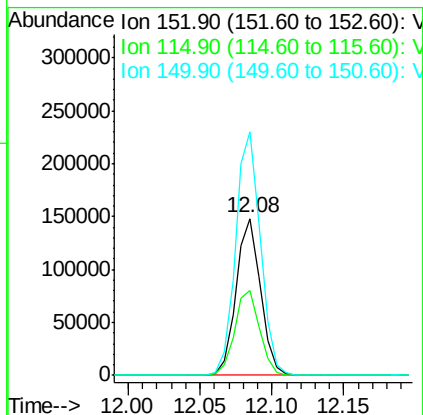
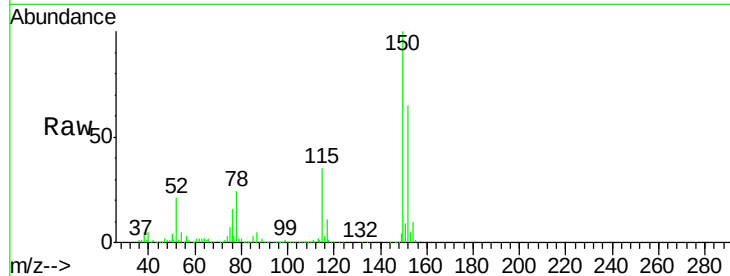


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Instrument :
MSVOA_X
ClientSampled :
LF6-0052

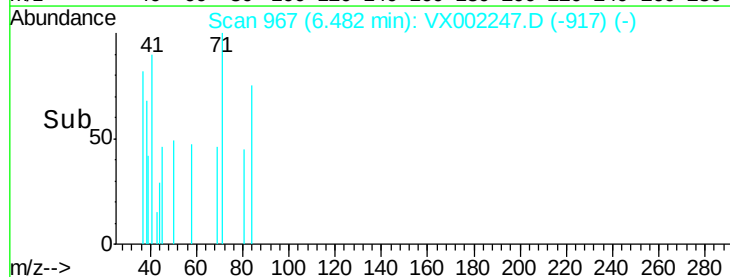
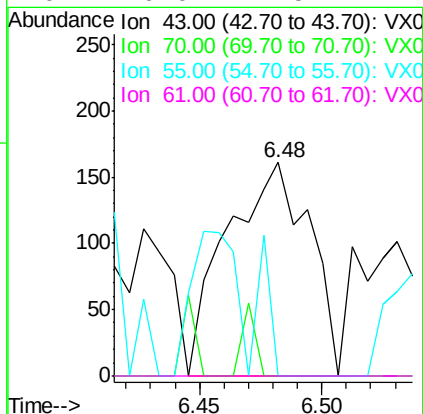
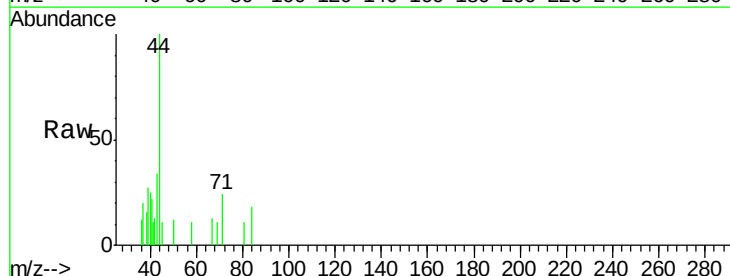
Tot Ion:152 Resp: 175571
Ion Ratio Lower Upper
152 100
115 55.7 42.3 126.8
150 157.6 0.0 351.0

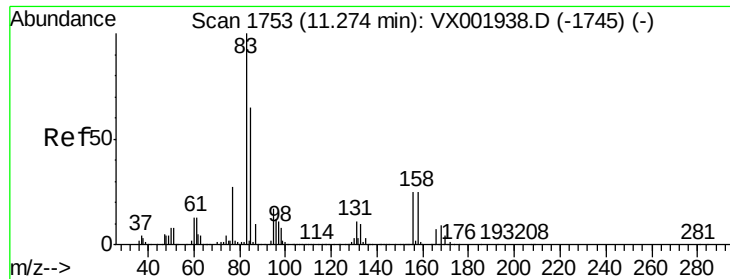


#74

N-ethyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX002247.D
Acq: 02 Jun 2018 18:44

Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
70 5.3 0.1 0.1#
55 0.0 0.1 0.1#
61 0.0 14.5 21.7#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.26 min Scan# 1751

Delta R.T. -0.01 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF6-0052

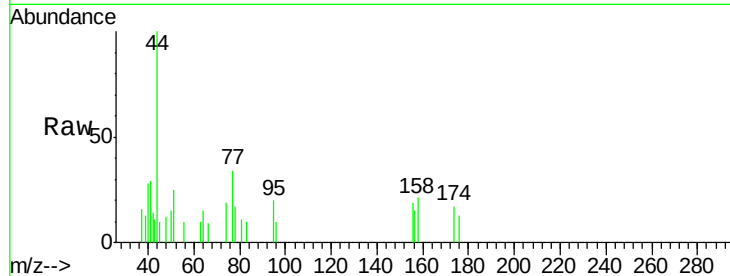
Tot Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

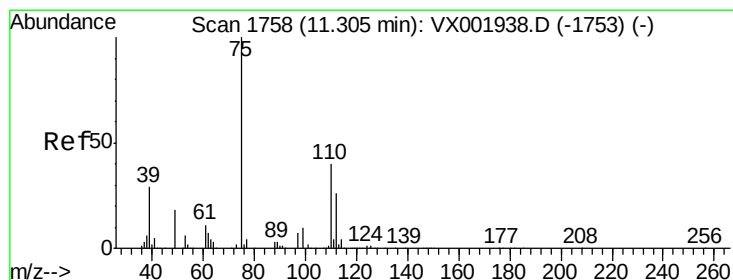
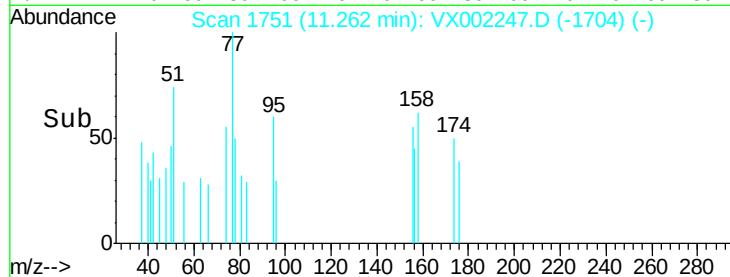
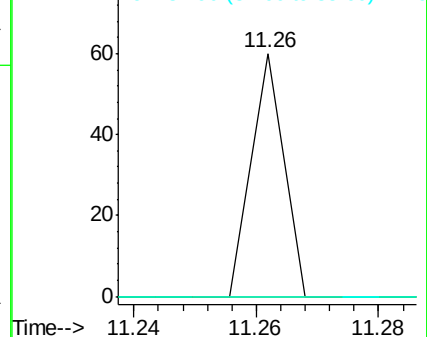
85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002247.D

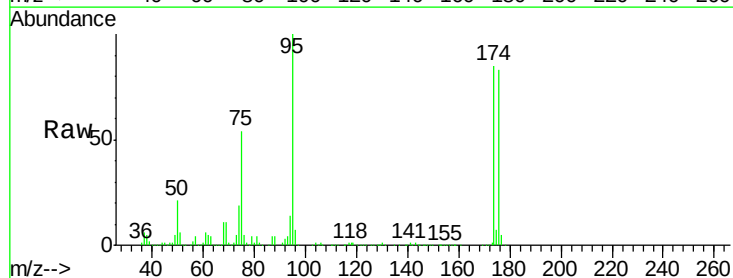
Acq: 02 Jun 2018 18:44

Tgt Ion: 75 Resp: 117121

Ion Ratio Lower Upper

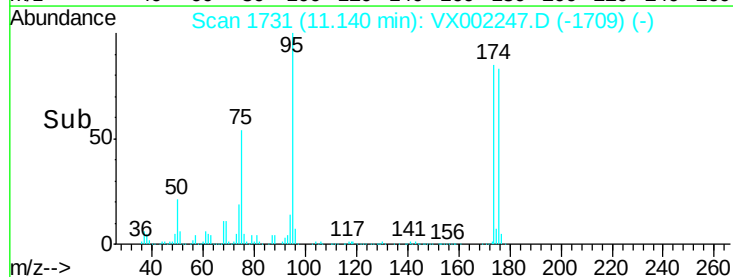
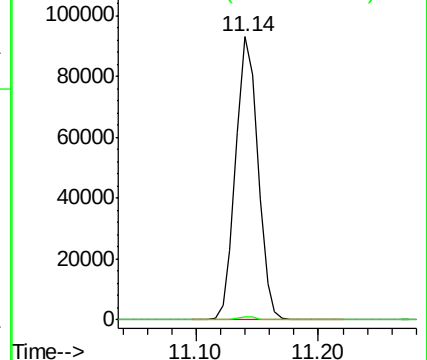
75 100

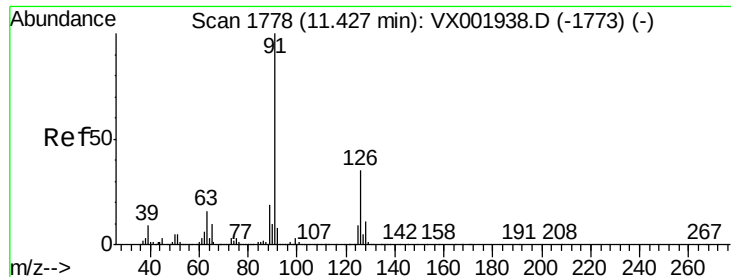
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.52 min Scan# 1793

Delta R.T. 0.09 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

Instrument :

MSVOA_X

ClientSampled :

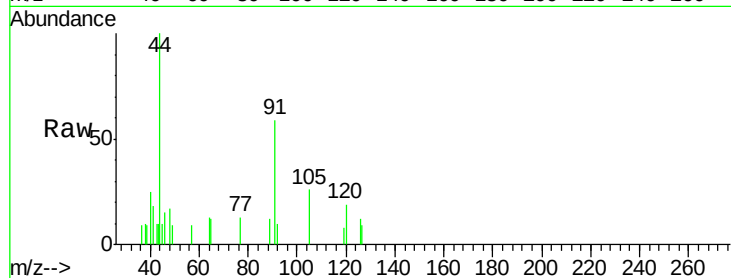
LF6-0052

Tot Ion: 91 Resp: 607

Ion Ratio Lower Upper

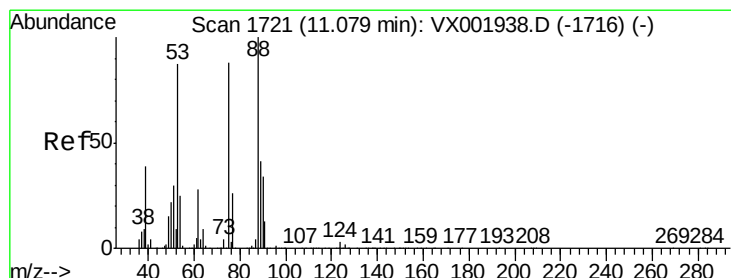
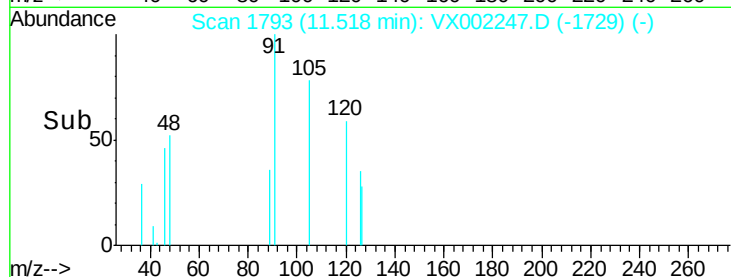
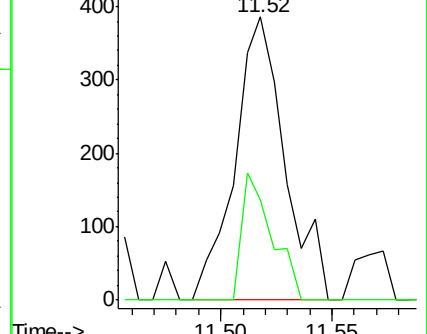
91 100

126 27.2 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002247.D

Acq: 02 Jun 2018 18:44

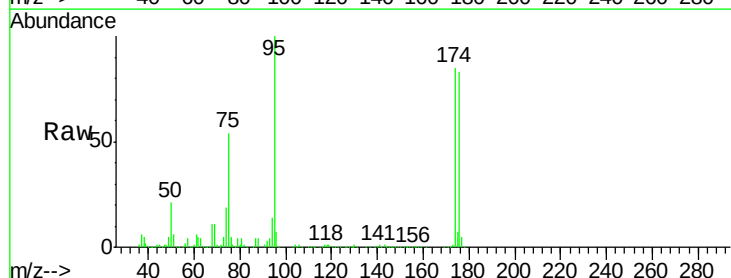
Tgt Ion: 75 Resp: 117121

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#



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

