

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002269.D
 Acq On : 04 Jun 2018 19:14
 Operator : JC/MD
 Sample : J3234-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-TB-2018-1

Quant Time: Jun 05 05:01:09 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369296	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	190096	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	175494	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
35) Dibromofluoromethane	5.51	113	129962	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
50) Toluene-d8	8.72	98	524312	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	11.14	95	184922	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	

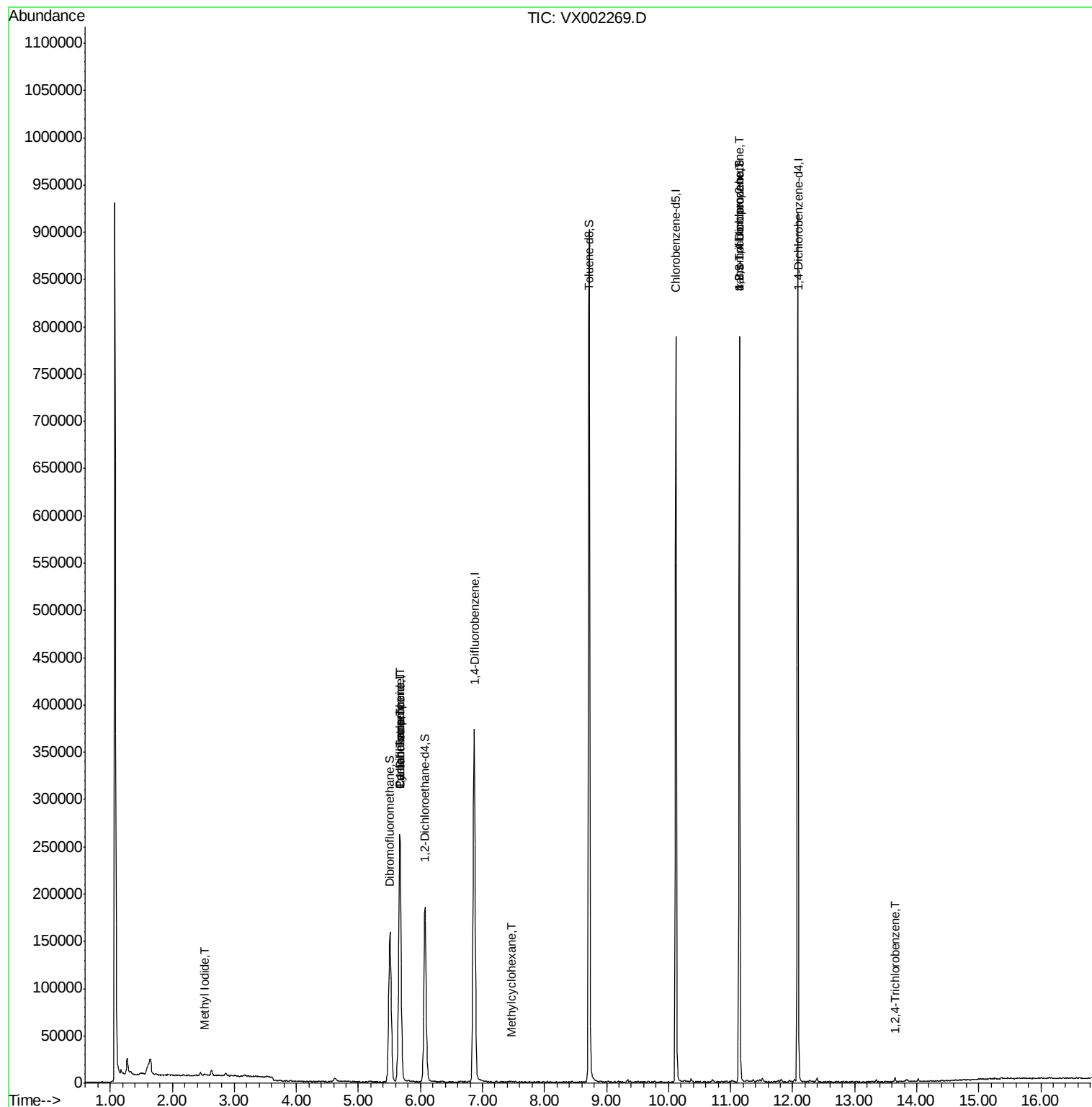
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1255	Below Cal	#	87
5) Bromomethane	1.64	94	1913	Below Cal	#	84
8) Diethyl Ether	2.20	74	190	Below Cal	#	38
10) Methyl Iodide	2.51	142	1703	0.43	ug/l	# 79
11) Tert butyl alcohol	3.08	59	429	Below Cal	#	99
13) Acrolein	2.32	56	108	Below Cal	#	14
15) Acrylonitrile	3.16	53	283	Below Cal	#	1
16) Acetone	2.45	43	4174	Below Cal	#	92
18) Methyl Acetate	2.78	43	614	Below Cal	#	68
19) Methyl tert-butyl Ether	3.20	73	178	Below Cal	#	78
20) Methylene Chloride	2.85	84	1282	Below Cal	#	73
22) Diisopropyl ether	3.86	45	184	Below Cal	#	35
28) Bromochloromethane	5.03	49	43	Below Cal	#	13
31) Cyclohexane	5.67	56	5752	1.22	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	18560	4.78	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	24095	5.93	ug/l	# 15
39) Methylcyclohexane	7.46	83	166	0.30	ug/l	# 60
76) 1,2,3-Trichloropropane	11.14	75	99556	23.87	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.14	75	99556	83.66	ug/l	# 6
93) 1,2,4-Trichlorobenzene	13.66	180	1067	0.22	ug/l	# 91

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

Data Path : Y:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060418\
Data File : VX002269.D
Acq On : 04 Jun 2018 19:14
Operator : JC/MD
Sample : J3234-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
LF6-TB-2018-1

Quant Time: Jun 05 05:01:09 2018
Quant Method : Y:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

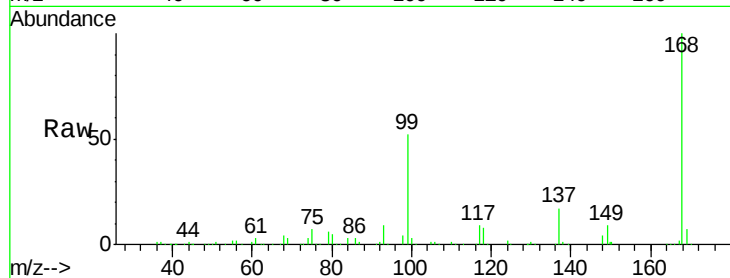
LF6-TB-2018-1

Tot Ion:168 Resp: 260423

Ion Ratio Lower Upper

168 100

99 51.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

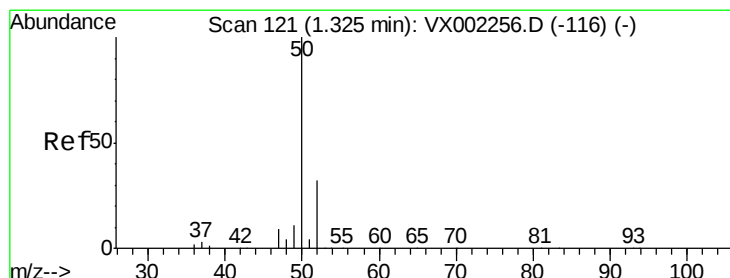
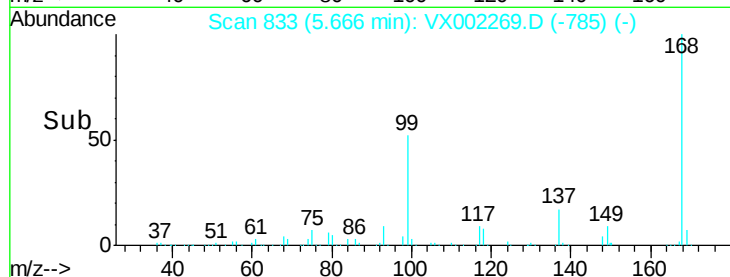
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002269.D

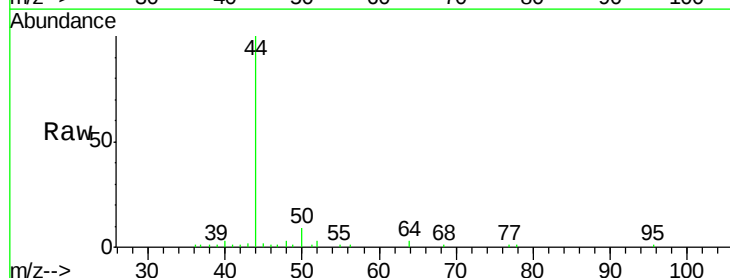
Acq: 04 Jun 2018 19:14

Tgt Ion: 50 Resp: 1255

Ion Ratio Lower Upper

50 100

52 39.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

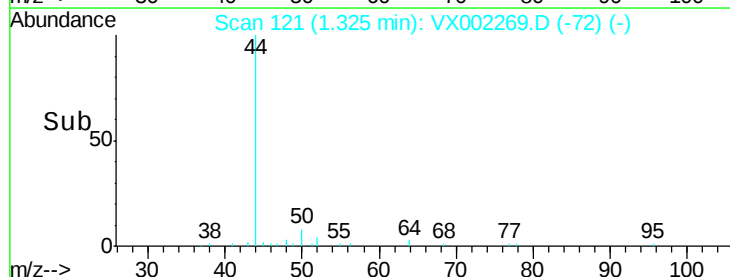
400

200

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

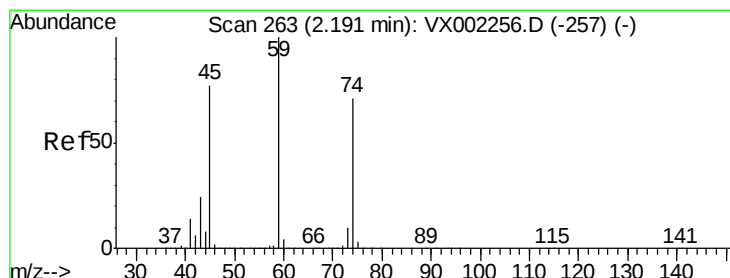
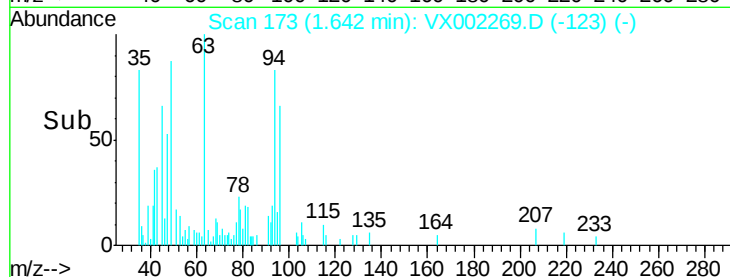
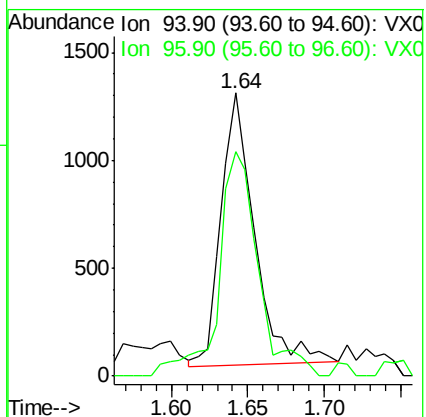
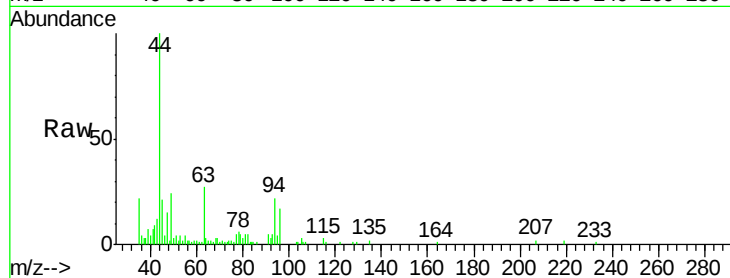
LF6-TB-2018-1

Tot Ion: 94 Resp: 1913

Ion Ratio Lower Upper

94 100

96 78.4 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX002269.D

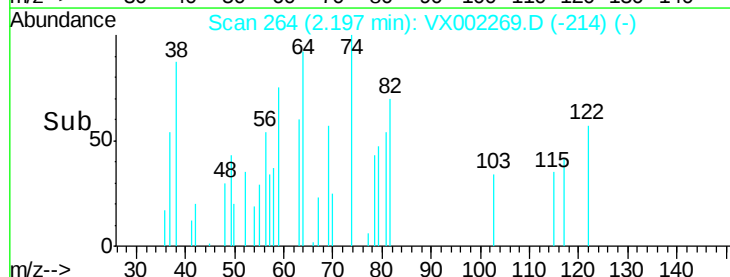
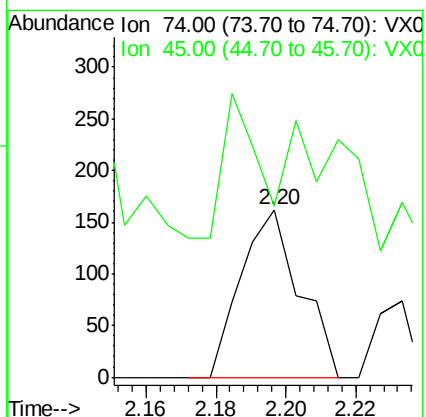
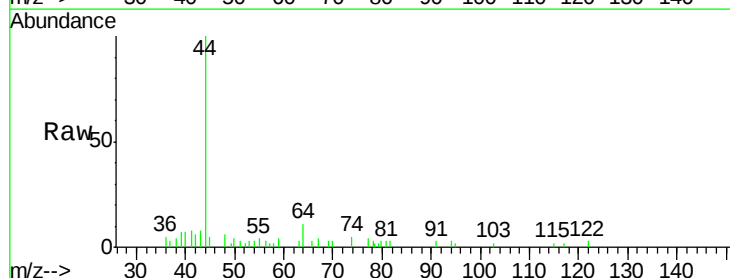
Acq: 04 Jun 2018 19:14

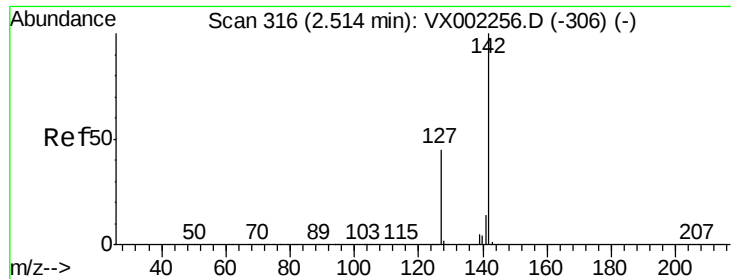
Tgt Ion: 74 Resp: 190

Ion Ratio Lower Upper

74 100

45 170.0 53.1 159.4#

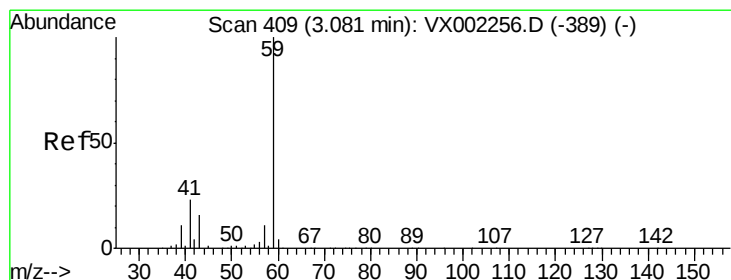
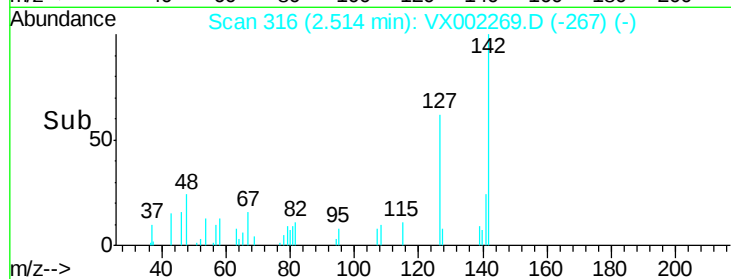
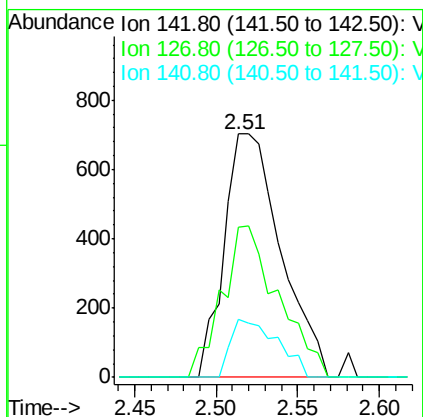
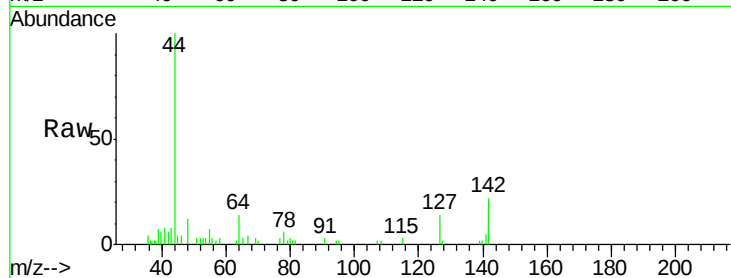




#10
Methyl Iodide
Concen: 0.43 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

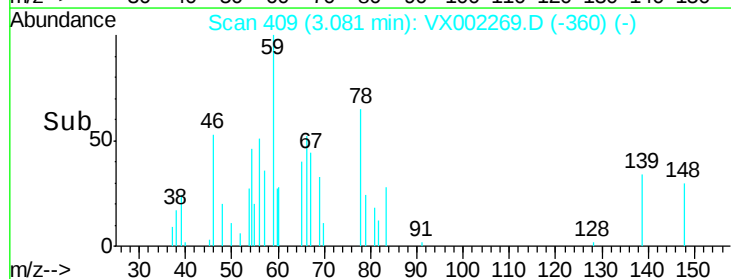
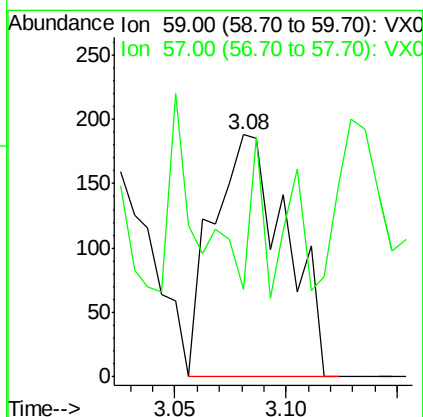
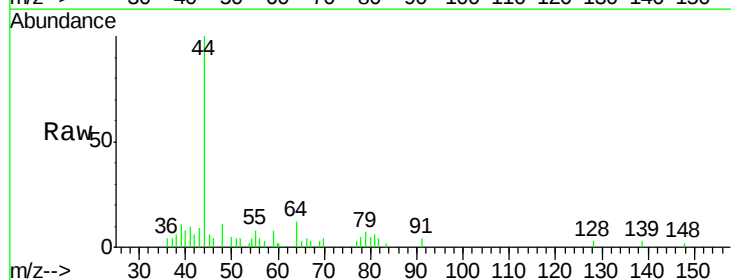
Instrument :
MSVOA_X
ClientSampled :
LF6-TB-2018-1

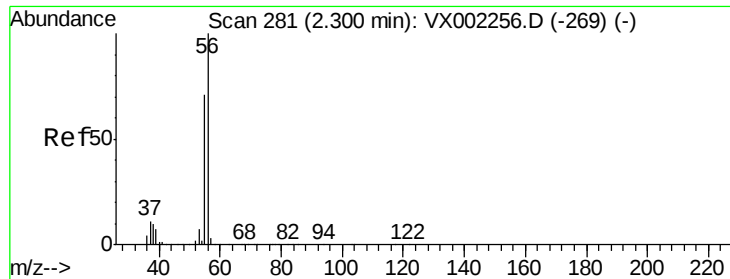
Tot Ion:142 Resp: 1703
Ion Ratio Lower Upper
142 100
127 61.2 36.6 55.0#
141 19.6 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.2





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 285

Delta R.T. 0.02 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

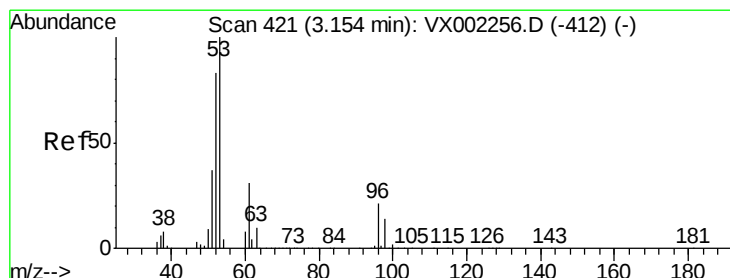
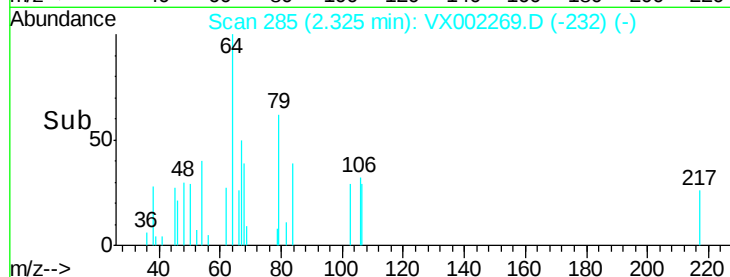
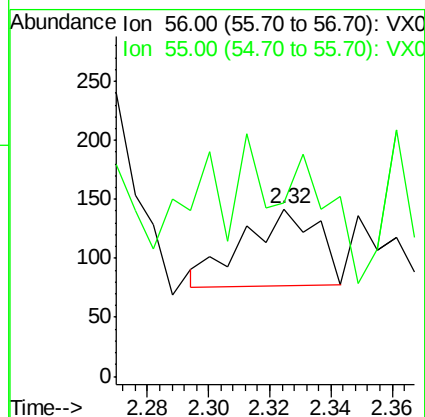
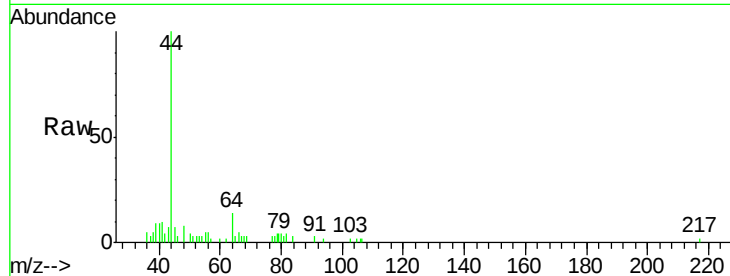
LF6-TB-2018-1

Tot Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

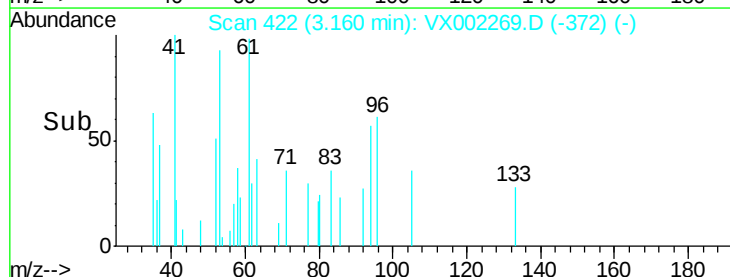
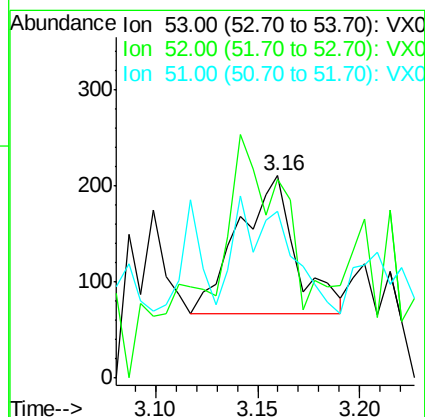
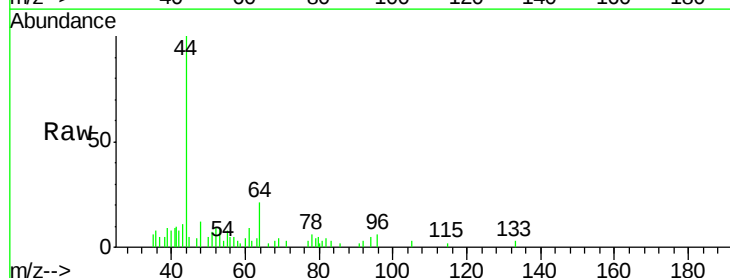
Tgt Ion: 53 Resp: 283

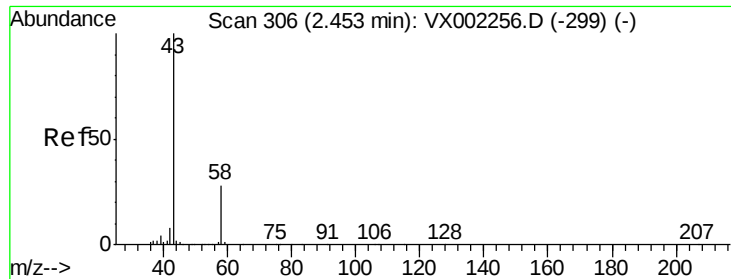
Ion Ratio Lower Upper

53 100

52 260.8 66.7 100.1#

51 26.5 29.9 44.9#

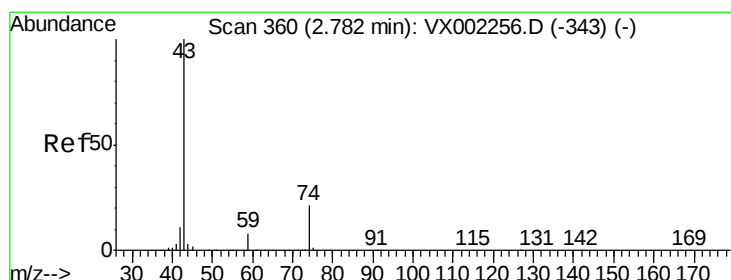
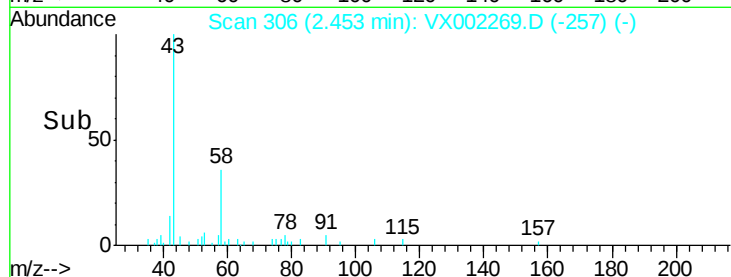
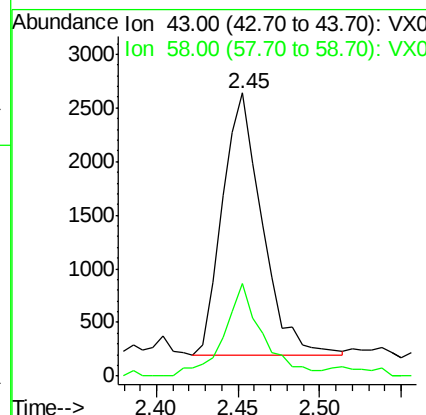
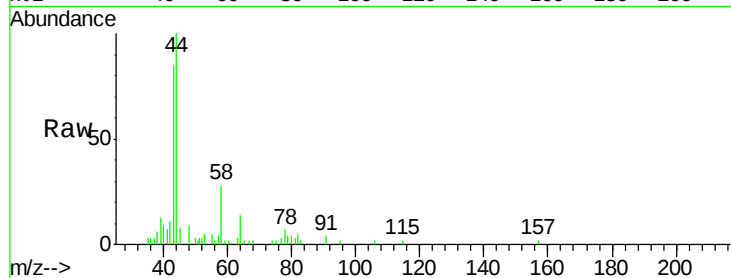




#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

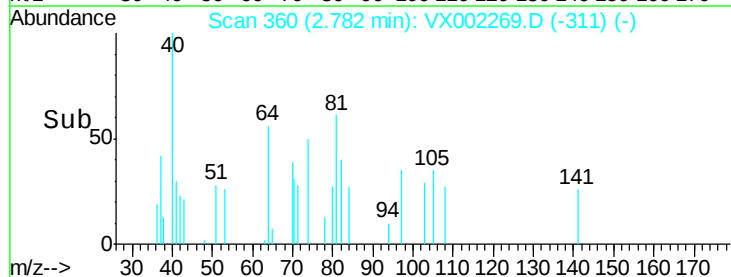
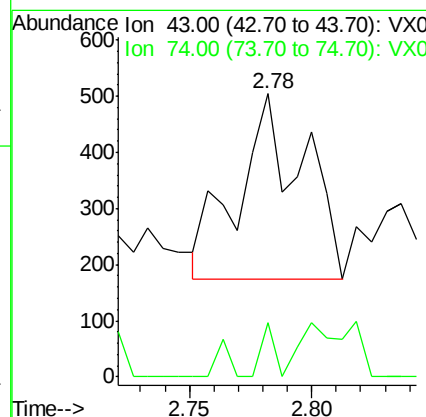
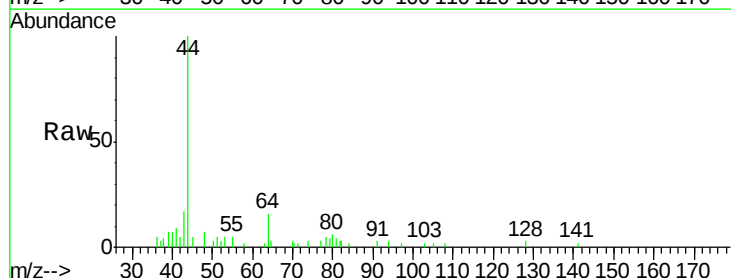
Instrument :
MSVOA_X
ClientSampleId :
LF6-TB-2018-1

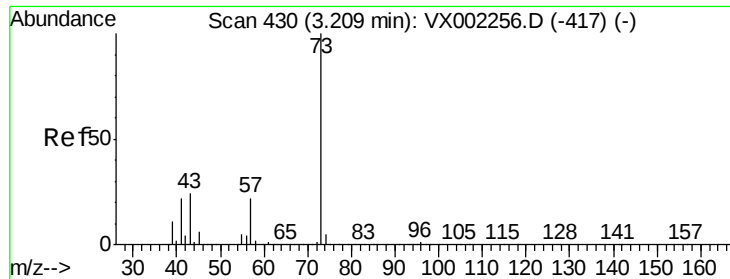
Tot Ion: 43 Resp: 4174
Ion Ratio Lower Upper
43 100
58 31.7 22.1 33.1



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Tgt Ion: 43 Resp: 614
Ion Ratio Lower Upper
43 100
74 5.9 16.7 25.1#

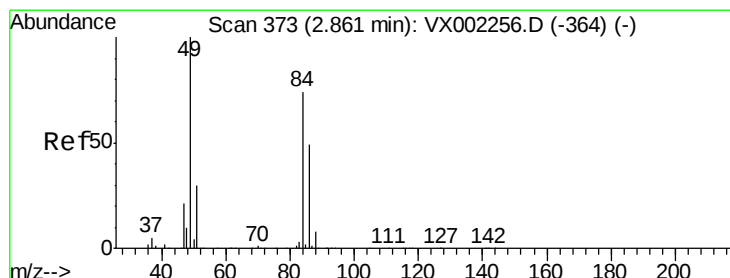
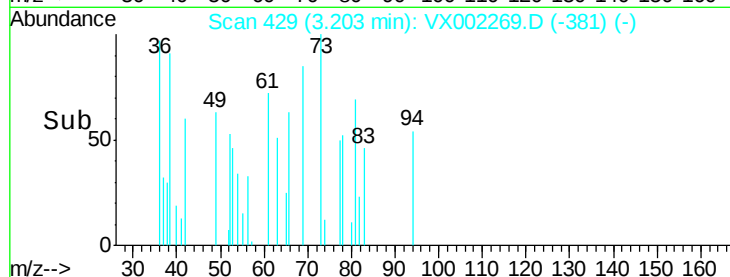
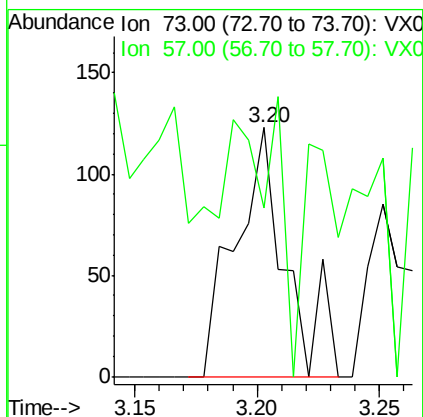
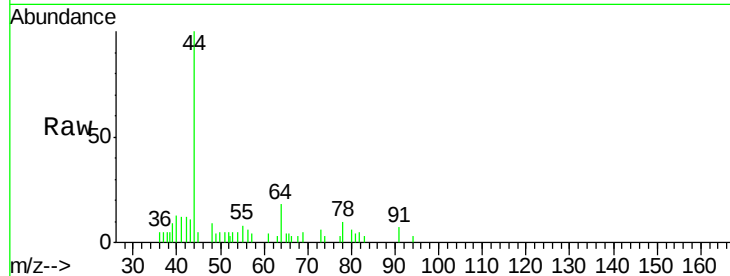




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

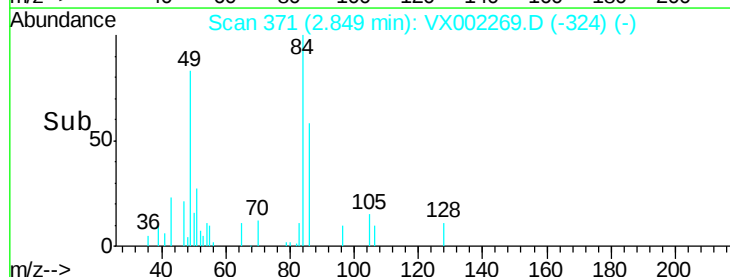
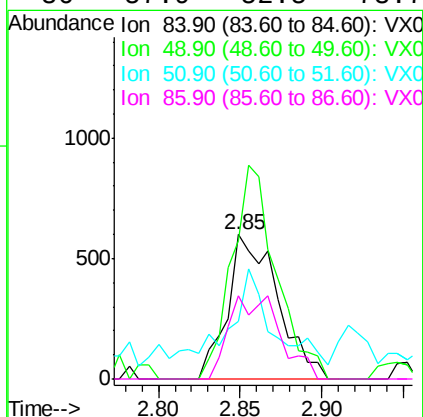
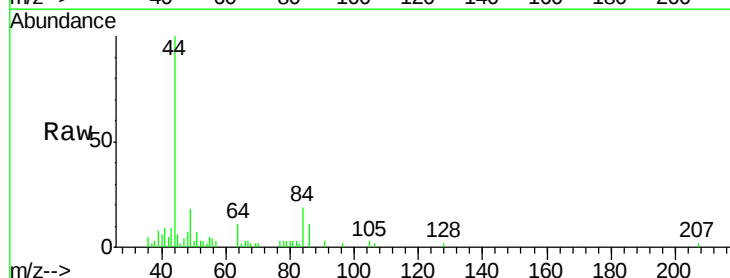
Instrument :
MSVOA_X
ClientSampled :
LF6-TB-2018-1

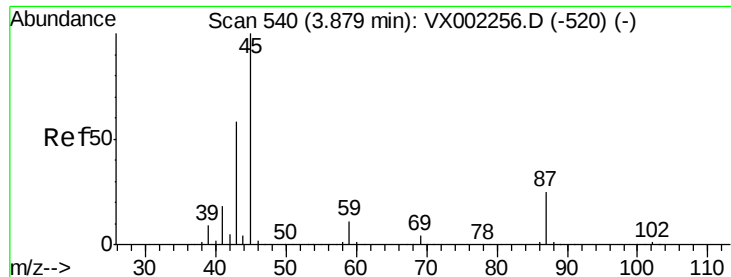
Tot Ion: 73 Resp: 178
Ion Ratio Lower Upper
73 100
57 11.4 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Tgt Ion: 84 Resp: 1282
Ion Ratio Lower Upper
84 100
49 95.8 107.8 161.6#
51 19.5 32.8 49.2#
86 57.9 52.5 78.7



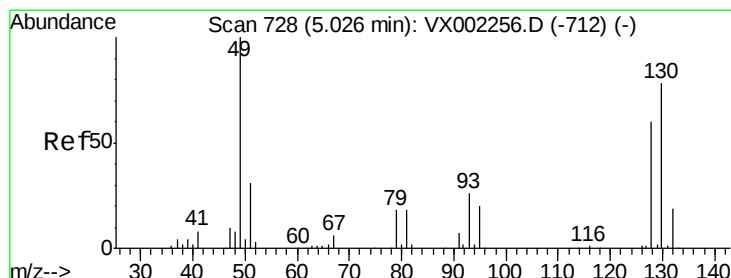
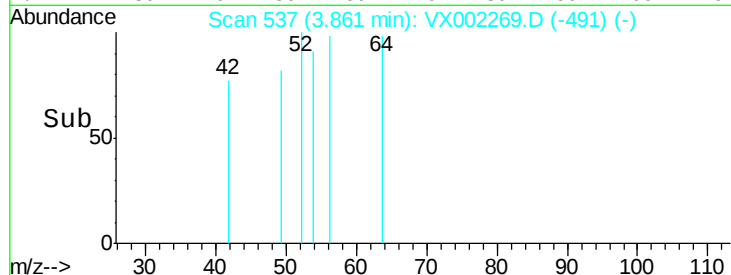
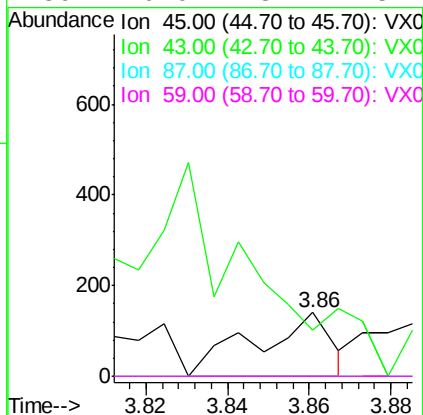
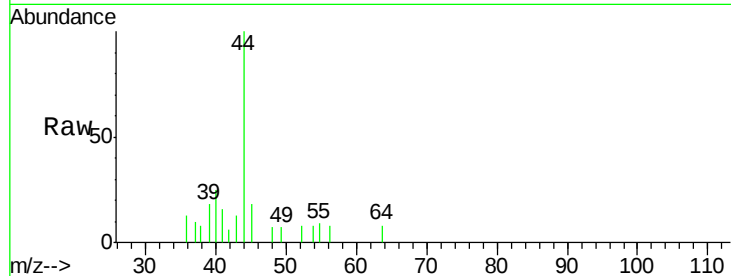


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.86 min Scan# 537
Delta R.T. -0.02 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
LF6-TB-2018-1

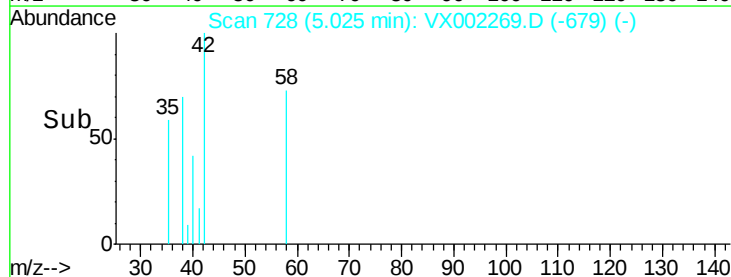
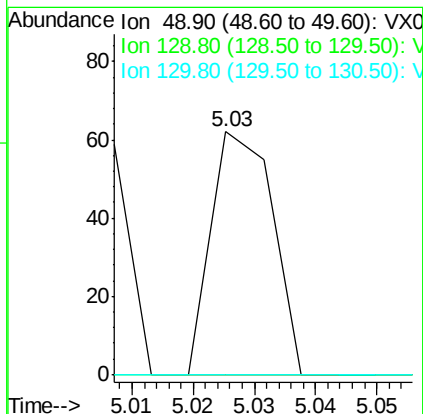
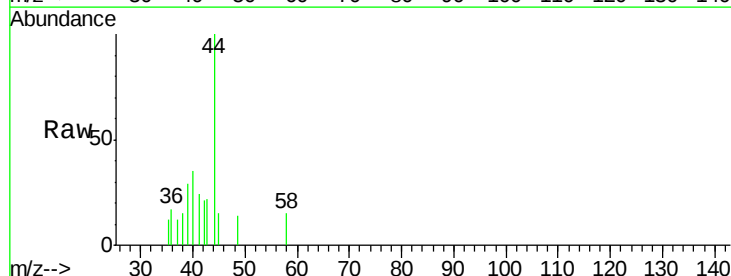
Tot Ion:	45	Resp:	184
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

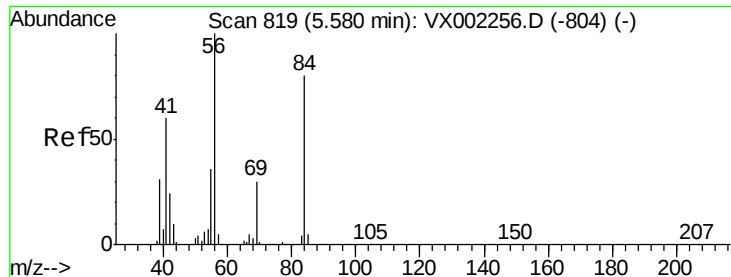


#28

Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Tgt Ion:	49	Resp:	43
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#

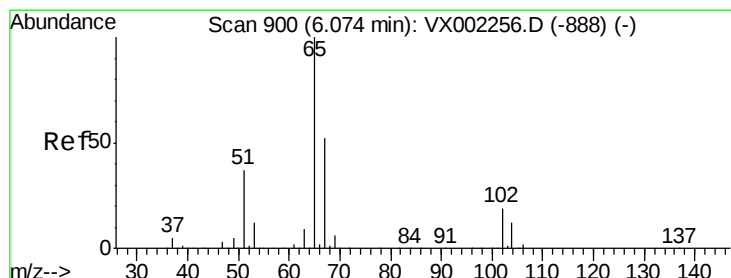
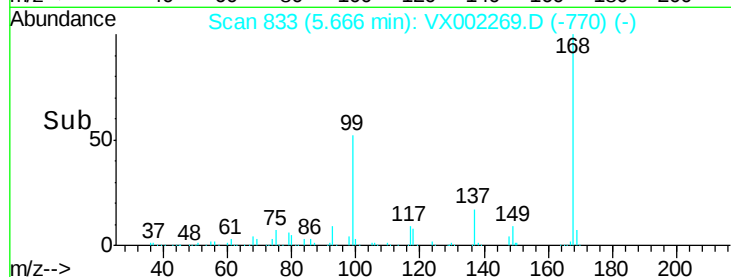
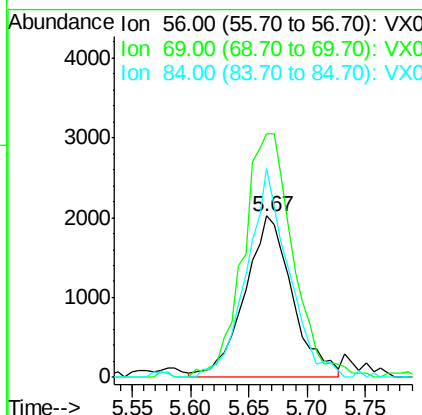
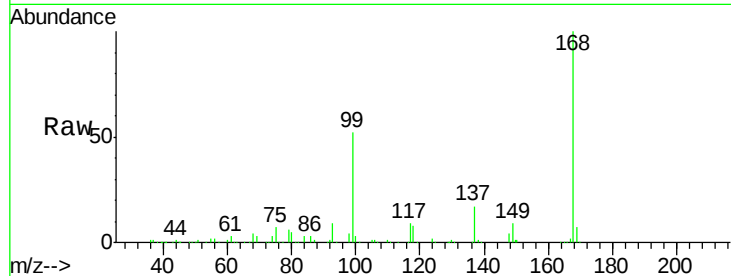




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

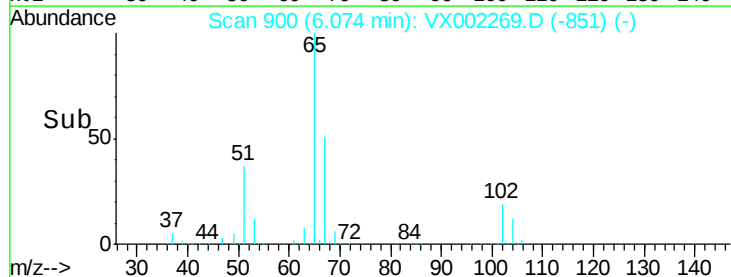
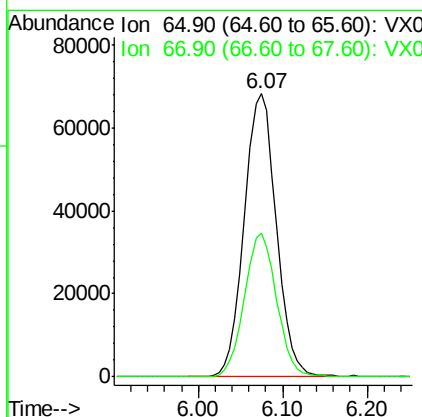
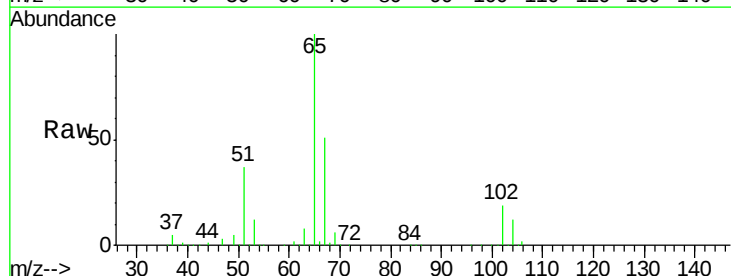
Instrument :
MSVOA_X
ClientSampleId :
LF6-TB-2018-1

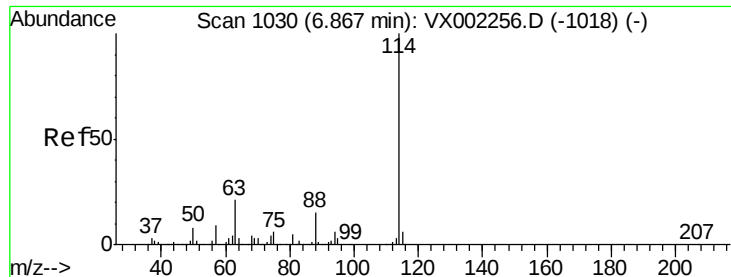
Tot Ion: 56 Resp: 5752
Ion Ratio Lower Upper
56 100
69 154.9 23.7 35.5#
84 133.1 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 46.91 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Tgt Ion: 65 Resp: 175494
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LF6-TB-2018-1

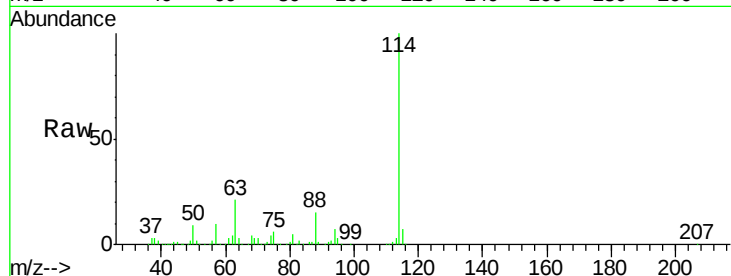
Tot Ion:114 Resp: 369296

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.4

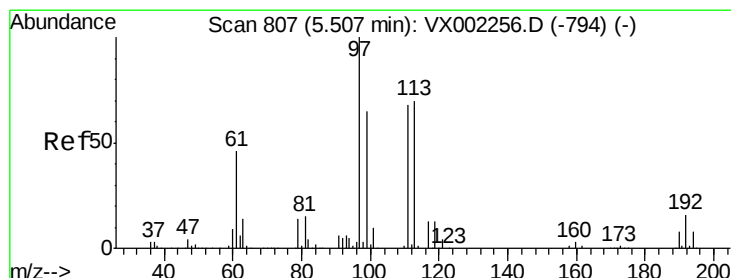
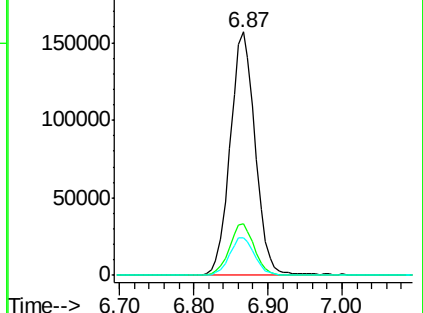
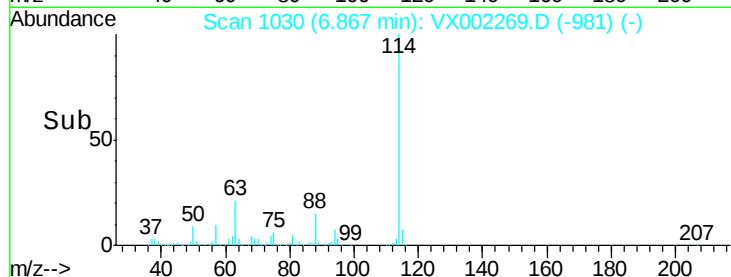
88 15.3 0.0 30.0



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: 44.75 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

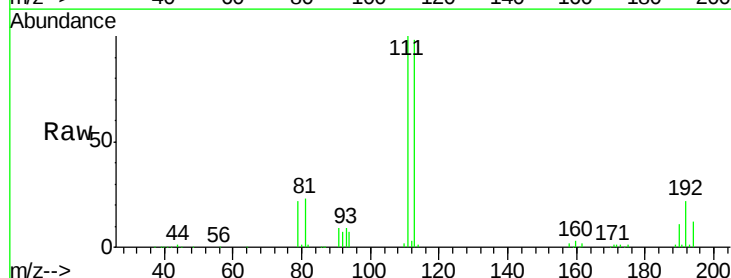
Tgt Ion:113 Resp: 129962

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

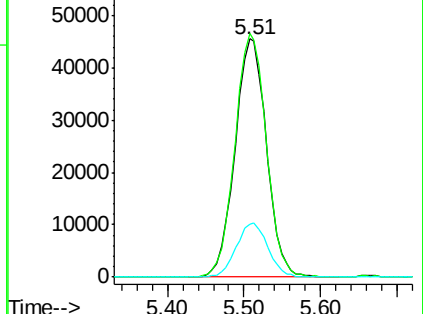
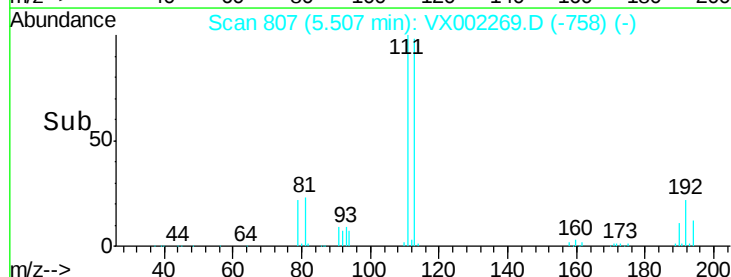
192 22.8 19.1 28.7

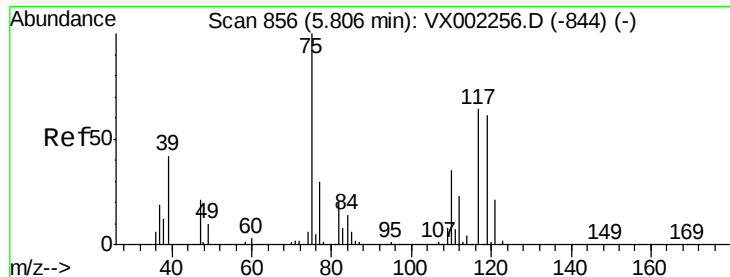


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

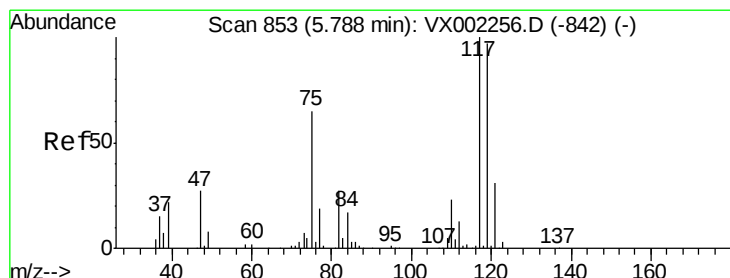
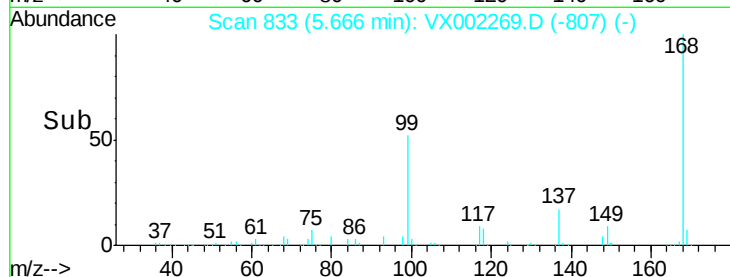
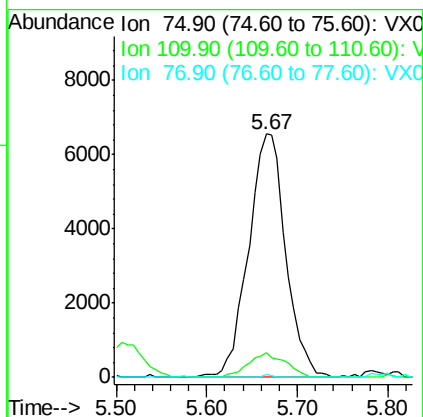
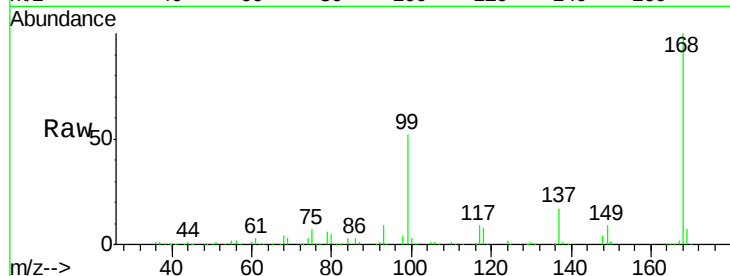




#36
 1,1-Dichloropropene
 Concen: 4.78 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002269.D
 Acq: 04 Jun 2018 19:14

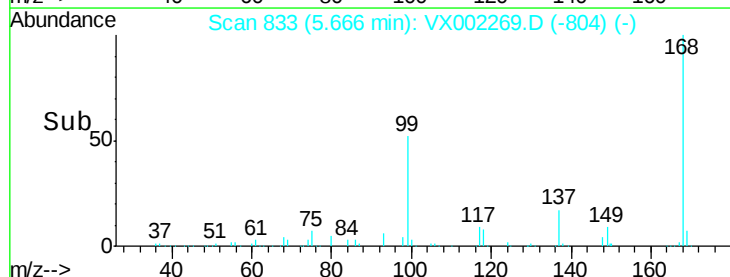
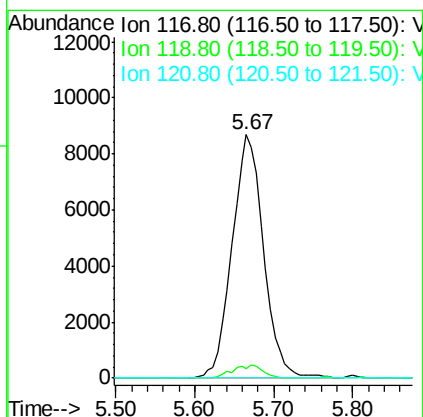
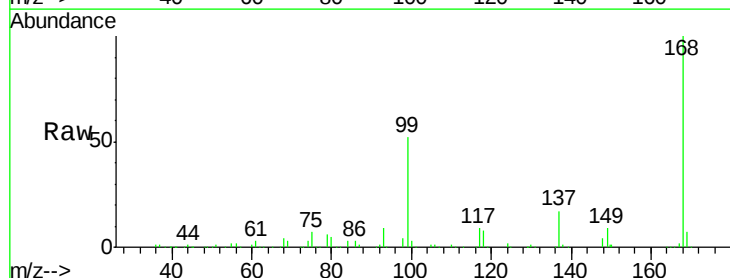
Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-TB-2018-1

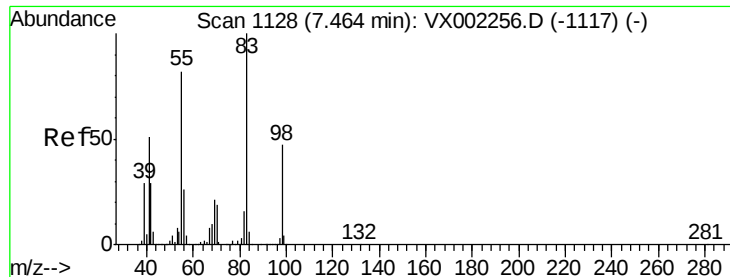
Tot Ion: 75 Resp: 18560
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.93 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002269.D
 Acq: 04 Jun 2018 19:14

Tgt Ion: 117 Resp: 24095
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.4 116.0#
 121 0.0 24.4 36.6#

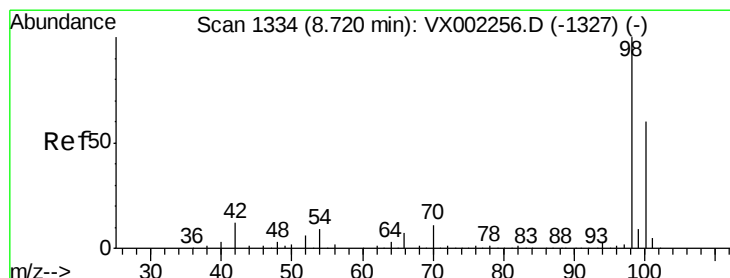
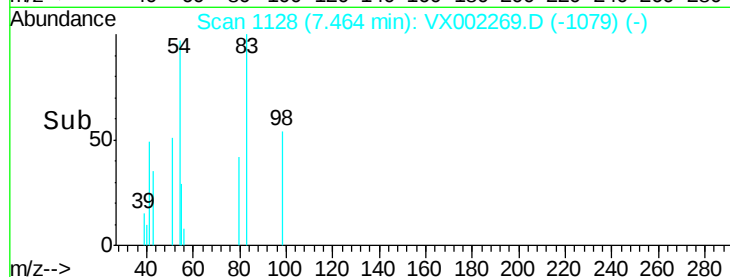
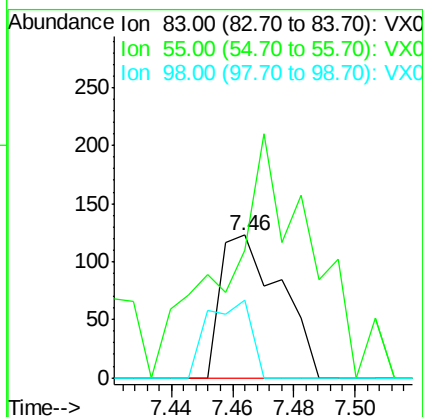
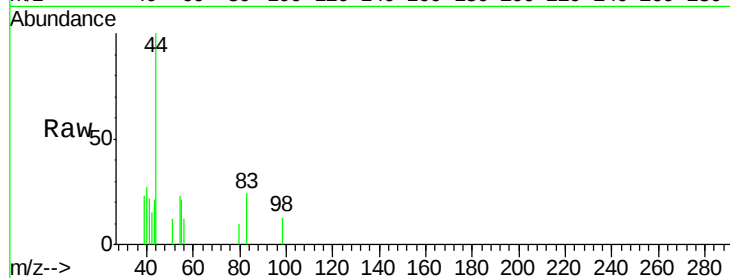




#39
Methvlcvclohexane
Concen: 0.30 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

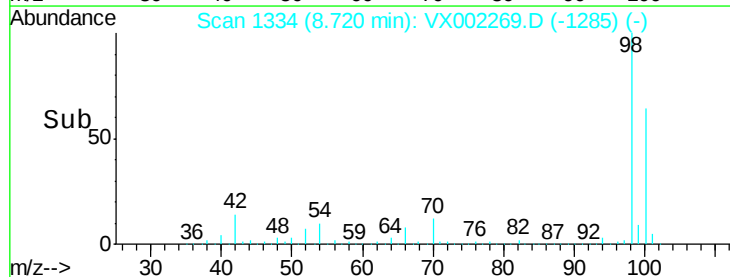
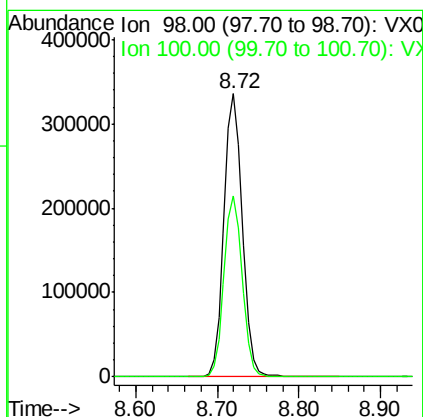
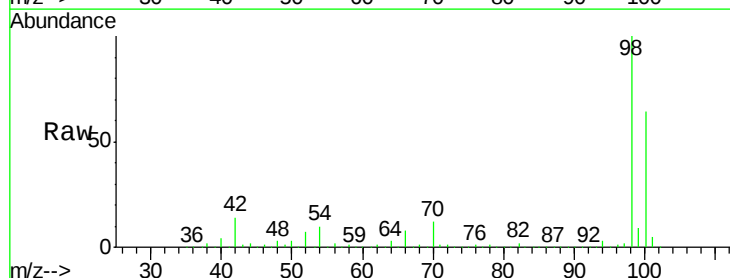
Instrument :
MSVOA_X
ClientSampled :
LF6-TB-2018-1

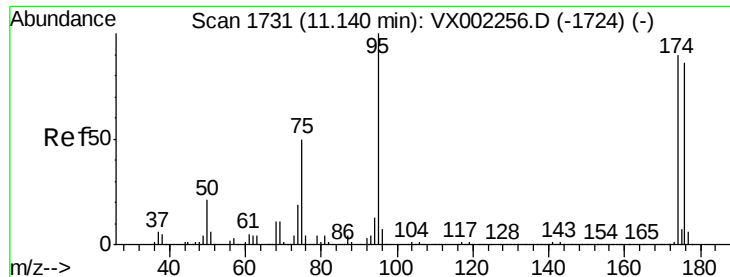
Tot Ion: 83 Resp: 166
Ion Ratio Lower Upper
83 100
55 31.7 65.4 98.0#
98 54.5 37.4 56.0



#50
Toluene-d8
Concen: 47.10 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Tgt Ion: 98 Resp: 524312
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 43.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LF6-TB-2018-1

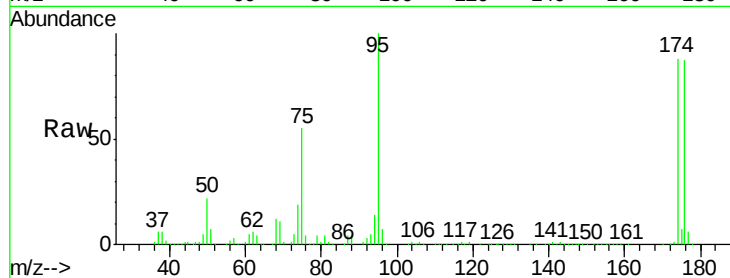
Tot Ion: 95 Resp: 184922

Ion Ratio Lower Upper

95 100

174 92.4 0.0 187.4

176 90.9 0.0 181.0

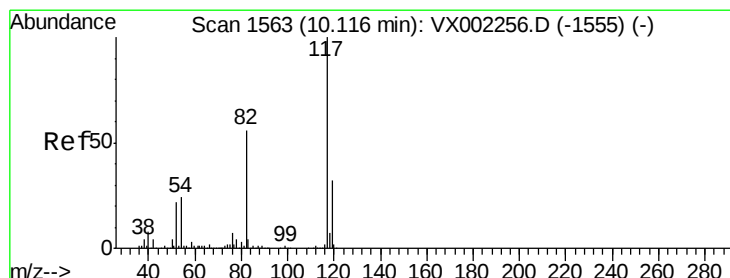
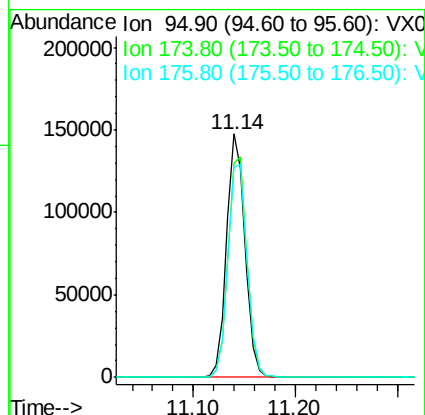
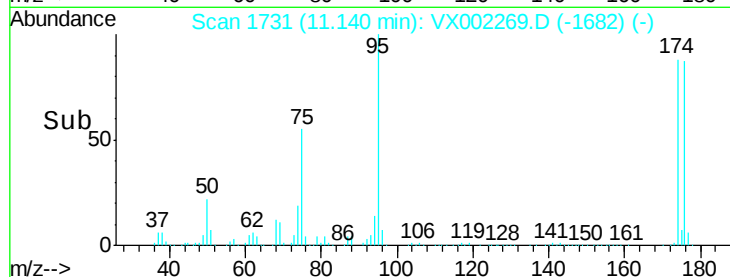


Abundance Ion 94.90 (94.60 to 95.60): VX002256.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002256.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002256.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

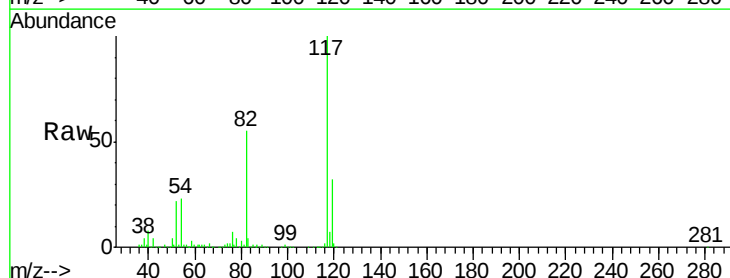
Tgt Ion: 117 Resp: 338460

Ion Ratio Lower Upper

117 100

82 54.6 45.0 67.4

119 32.1 25.8 38.6

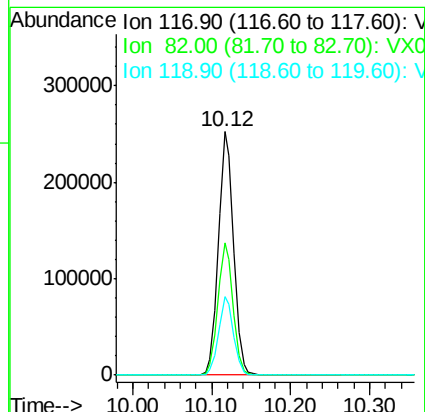
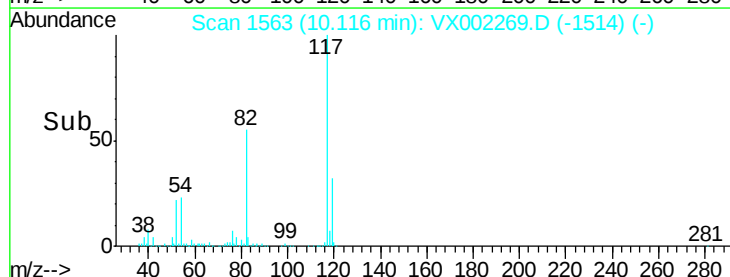


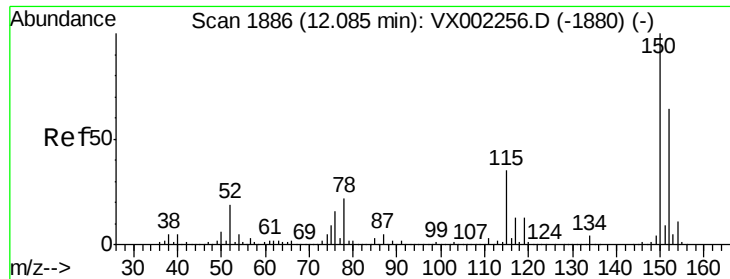
Abundance Ion 116.90 (116.60 to 117.60): VX002256.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002256.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002256.D (-1555) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002269.D

Acq: 04 Jun 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

LF6-TB-2018-1

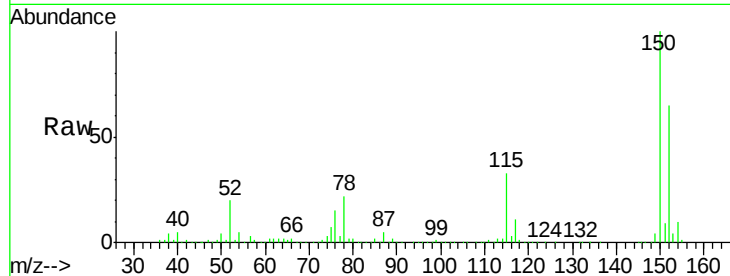
Tot Ion:152 Resp: 190096

Ion Ratio Lower Upper

152 100

115 55.3 40.1 120.2

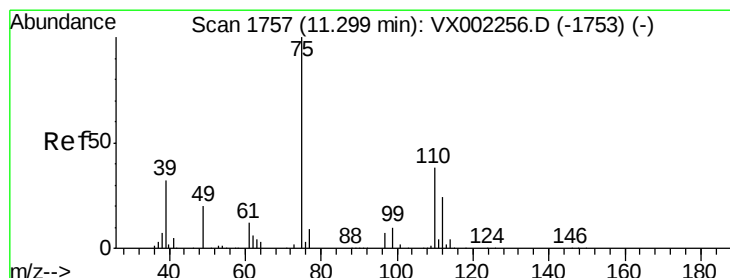
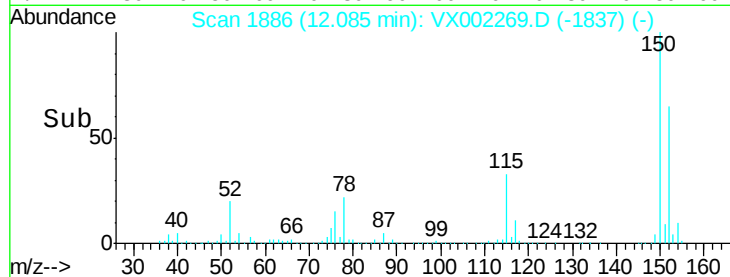
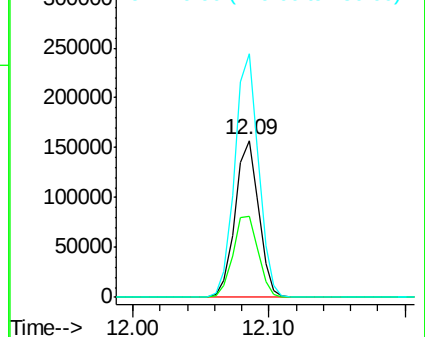
150 156.3 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 23.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002269.D

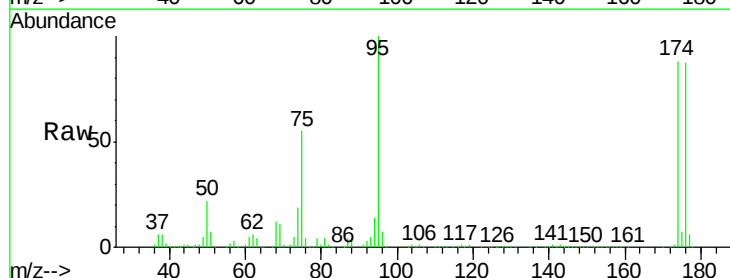
Acq: 04 Jun 2018 19:14

Tgt Ion: 75 Resp: 99556

Ion Ratio Lower Upper

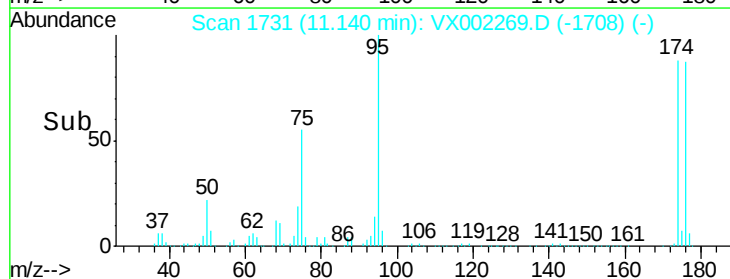
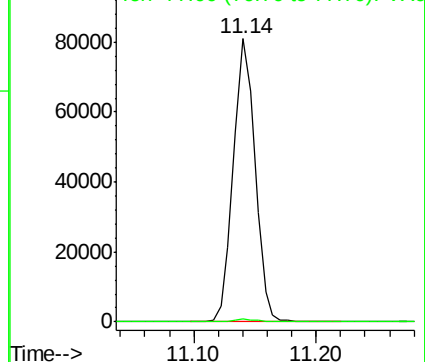
75 100

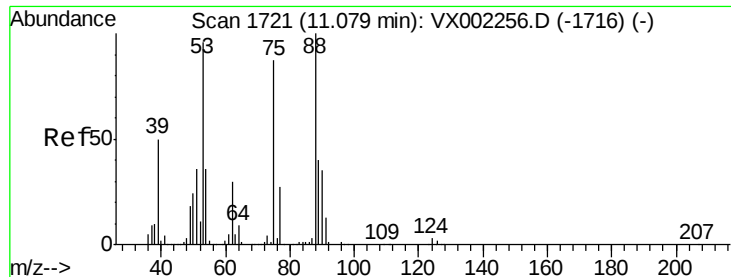
77 1.0 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

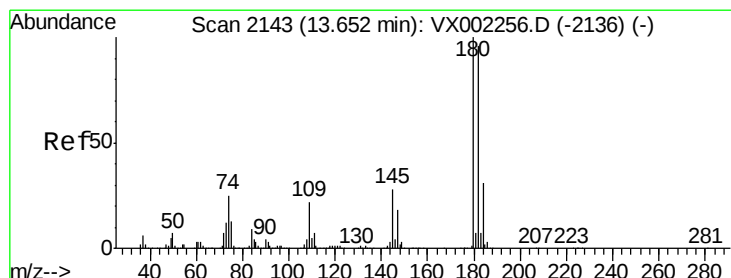
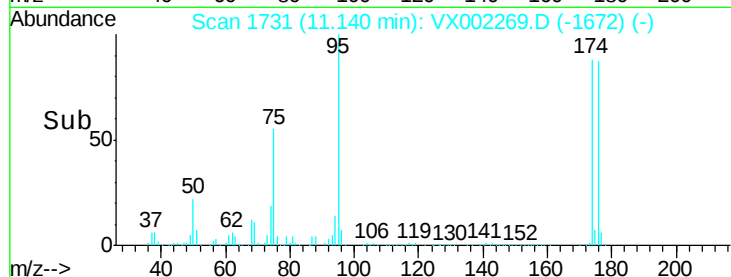
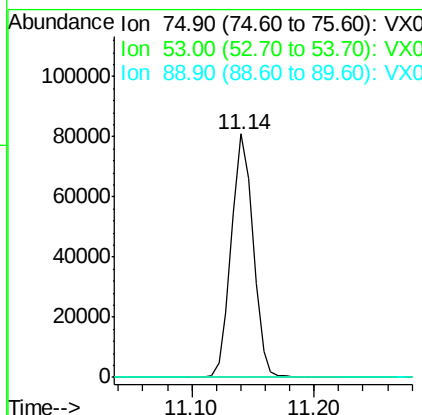
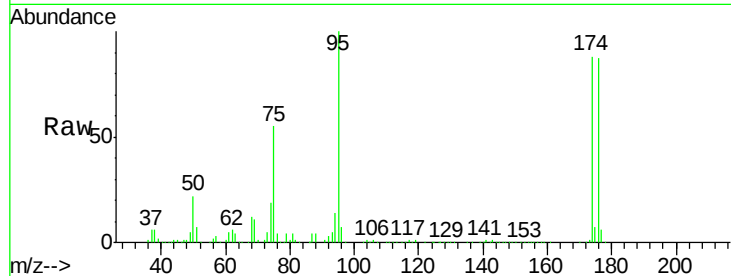




#81
trans-1,4-Dichloro-2-butene
Concen: 83.66 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Instrument :
MSVOA_X
ClientSampled :
LF6-TB-2018-1

Tot Ion: 75 Resp: 99556
Ion Ratio Lower Upper
75 100
53 0.1 86.8 130.2#
89 0.0 38.2 57.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.66 min Scan# 2144
Delta R.T. 0.01 min
Lab File: VX002269.D
Acq: 04 Jun 2018 19:14

Tgt Ion:180 Resp: 1067
Ion Ratio Lower Upper
180 100
182 105.4 47.7 143.1
145 30.2 14.1 42.4

