

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060718\
 Data File : VX002369.D
 Acq On : 07 Jun 2018 11:21
 Operator : JC/MD
 Sample : VX0607WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBL01

Quant Time: Jun 07 14:41:47 2018
 Quant Method : Z:\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	248594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	188003	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	191365	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	
35) Dibromofluoromethane	5.51	113	143644	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.72	98	568160	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	11.14	95	200881	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	

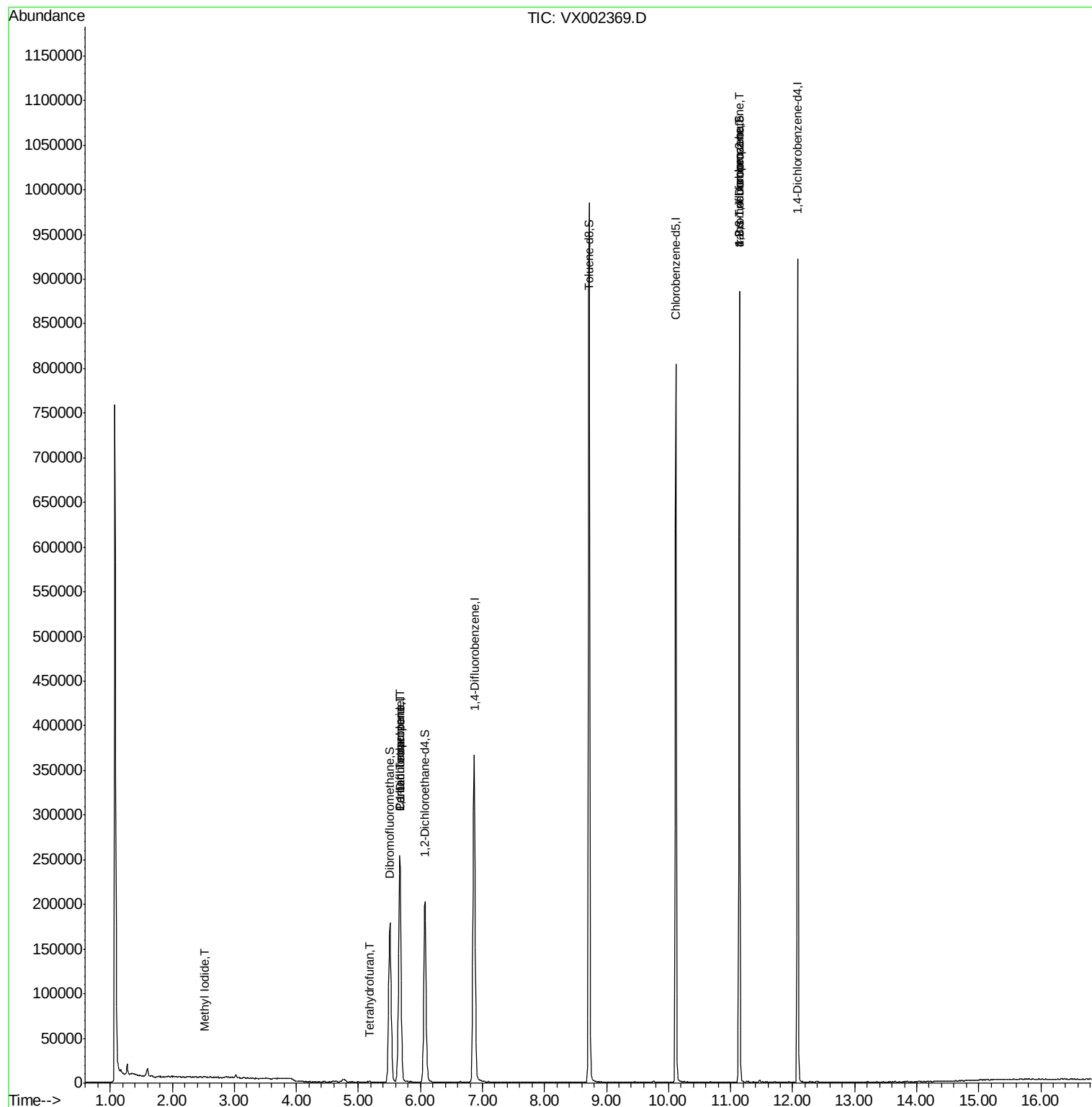
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	382	Below Cal	#	68
5) Bromomethane	1.65	94	886	Below Cal	#	57
8) Diethyl Ether	2.25	74	45	Below Cal		95
10) Methyl Iodide	2.52	142	1292	0.343	ug/l	96
11) Tert butyl alcohol	3.03	59	1661	Below Cal	#	89
13) Acrolein	2.29	56	126	Below Cal	#	14
15) Acrylonitrile	3.15	53	341	Below Cal	#	25
16) Acetone	2.45	43	825	Below Cal	#	82
18) Methyl Acetate	2.77	43	314	Below Cal	#	70
19) Methyl tert-butyl Ether	3.20	73	20	Below Cal	#	1
20) Methylene Chloride	2.86	84	442	Below Cal	#	68
22) Diisopropyl ether	3.85	45	81	Below Cal	#	39
28) Bromochloromethane	5.01	49	26	Below Cal	#	13
29) Tetrahydrofuran	5.18	42	982	0.625	ug/l #	90
36) 1,1-Dichloropropene	5.67	75	17889	4.654	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23286	5.791	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	108080	26.199	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	108080	91.838	ug/l #	6

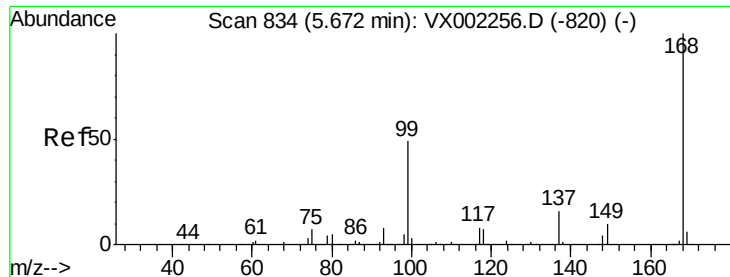
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA X/WATER
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ClientSampleId :
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Quant Time: Jun 07 14:41:47 2018
Quant Method : Z:\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: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

Instrument :

MSVOA_X

ClientSampled :

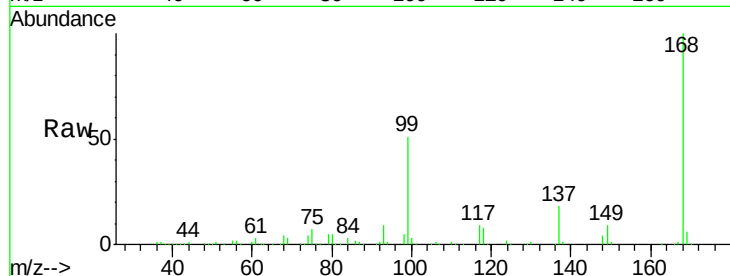
VX0607WBL01

Tot Ion:168 Resp: 248594

Ion Ratio Lower Upper

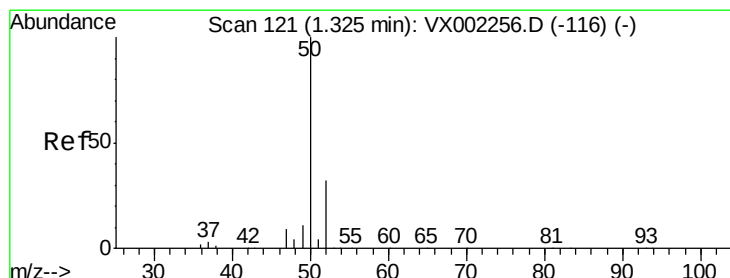
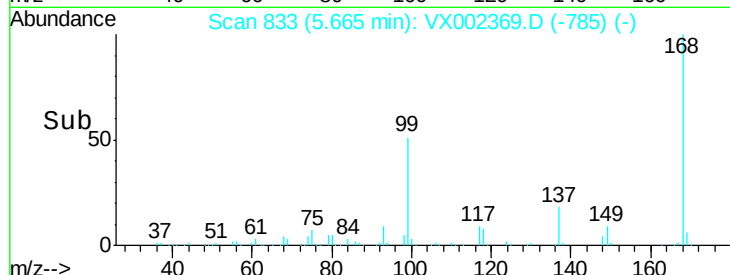
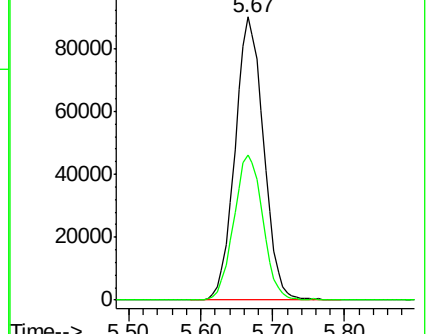
168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002369.D

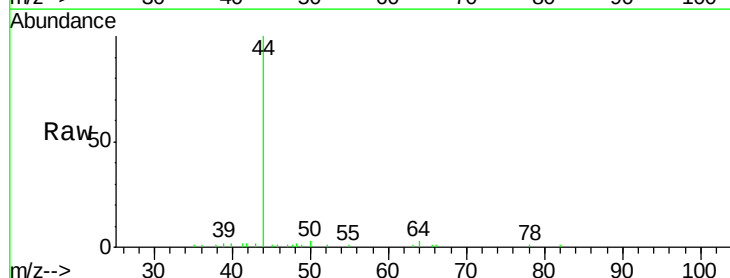
Acq: 07 Jun 2018 11:21

Tgt Ion: 50 Resp: 382

Ion Ratio Lower Upper

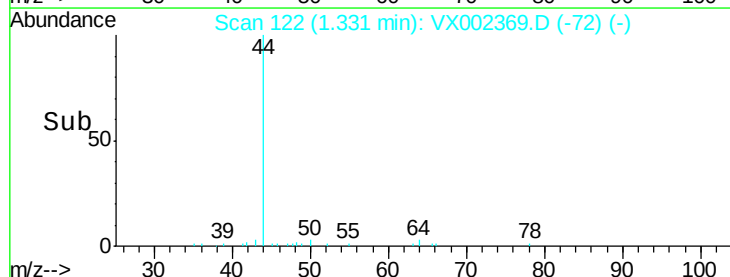
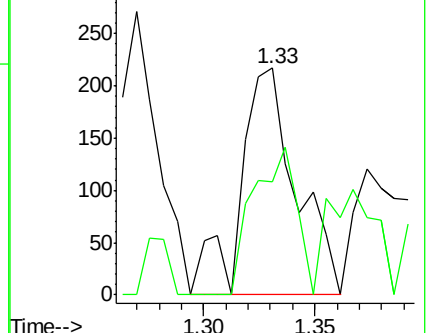
50 100

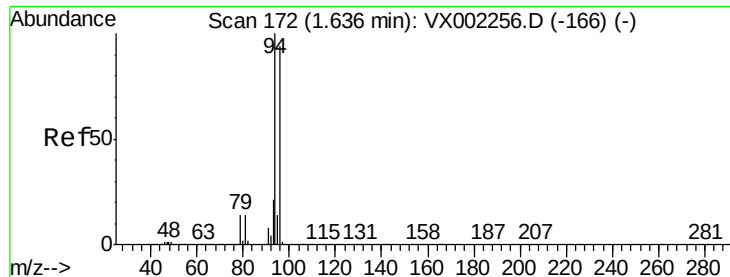
52 49.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

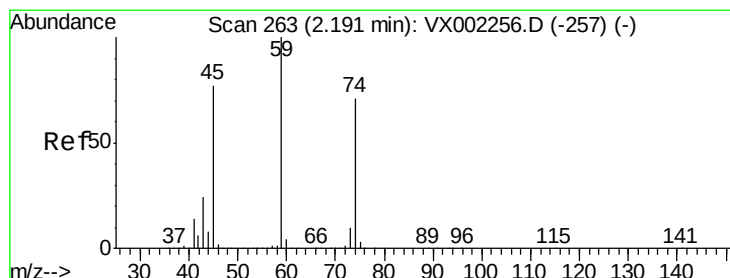
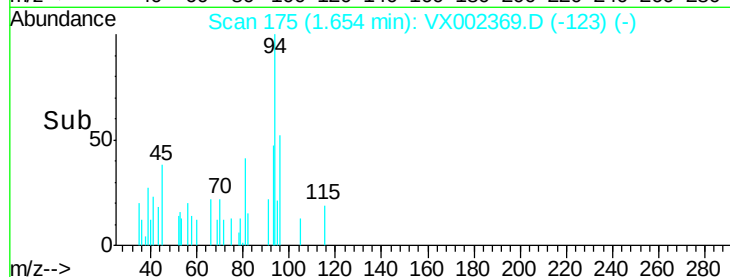
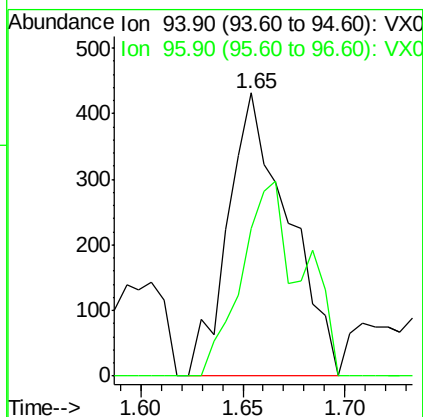
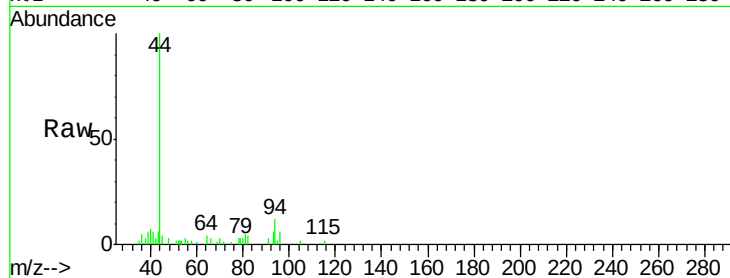
VX0607WBL01

Tot Ion: 94 Resp: 886

Ion Ratio Lower Upper

94 100

96 52.3 74.9 112.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.25 min Scan# 273

Delta R.T. 0.06 min

Lab File: VX002369.D

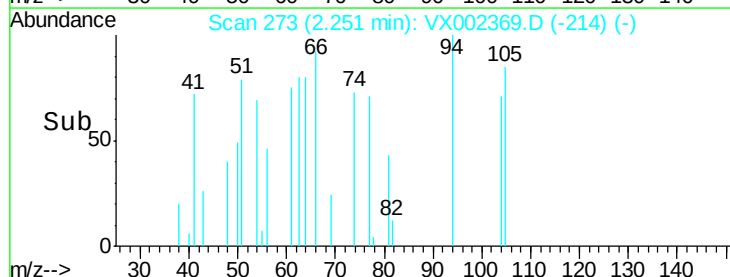
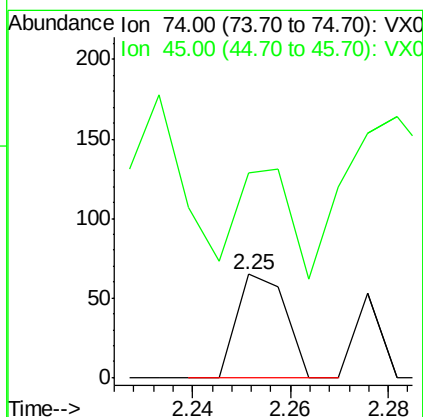
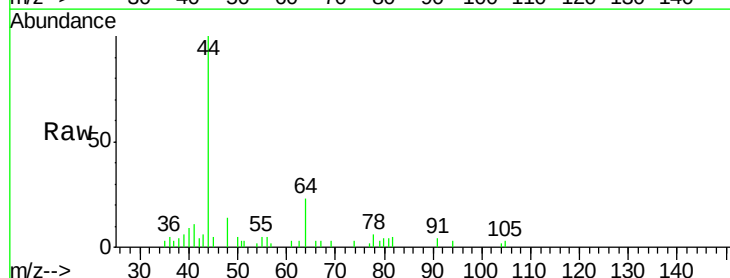
Acq: 07 Jun 2018 11:21

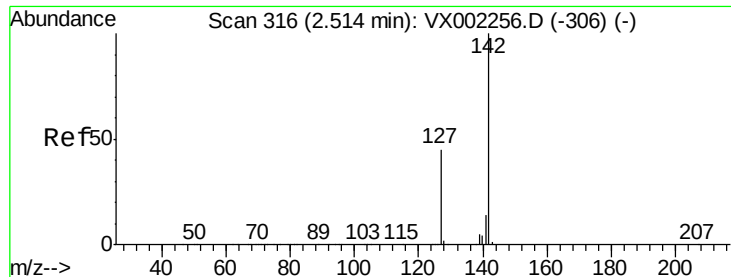
Tgt Ion: 74 Resp: 45

Ion Ratio Lower Upper

74 100

45 111.1 53.1 159.4

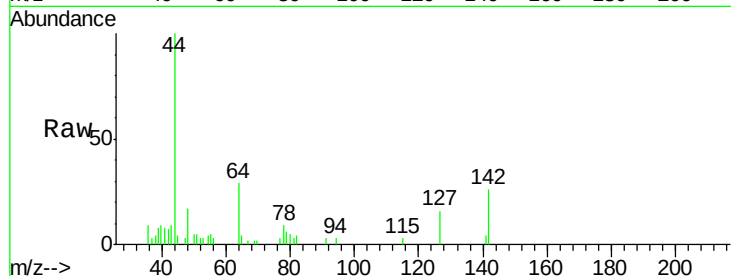




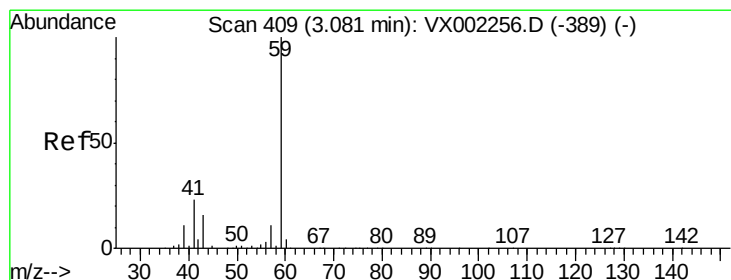
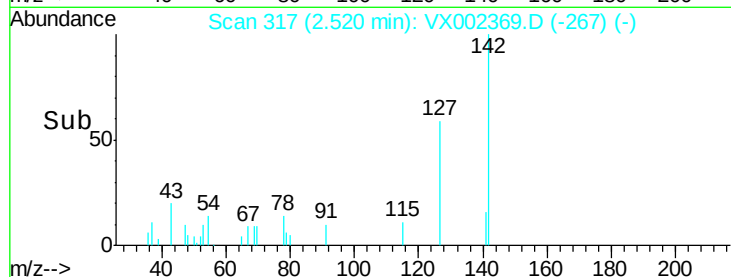
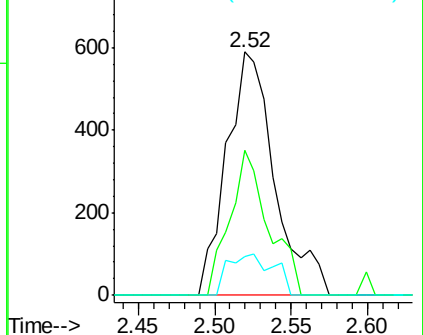
#10
Methvl Iodide
Concen: 0.343 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBL01

Tot Ion:142 Resp: 1292
Ion Ratio Lower Upper
142 100
127 48.1 36.6 55.0
141 15.9 11.3 16.9

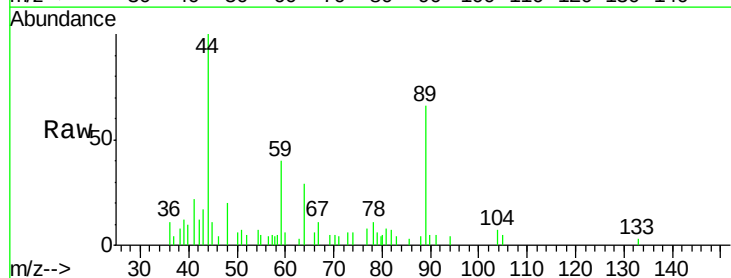


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

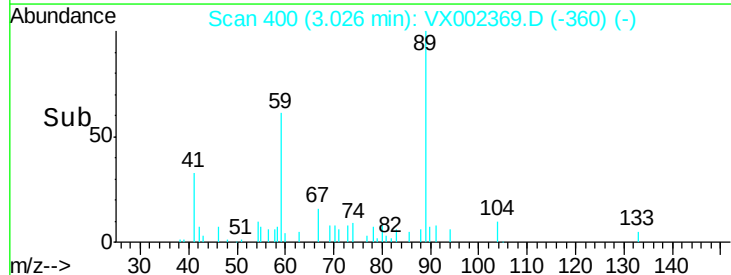
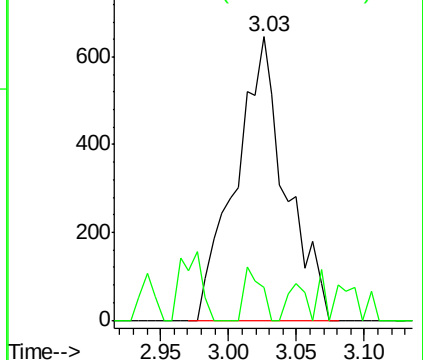


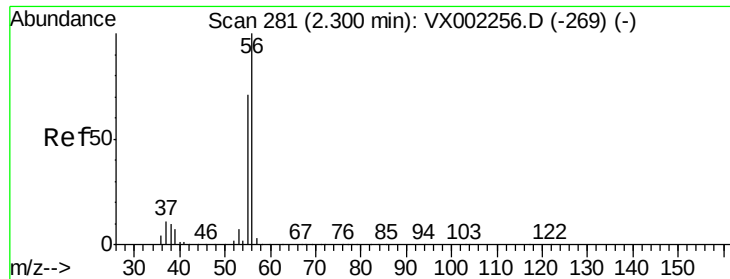
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Tgt Ion: 59 Resp: 1661
Ion Ratio Lower Upper
59 100
57 6.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

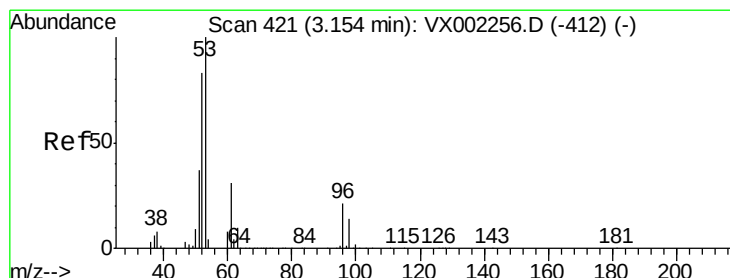
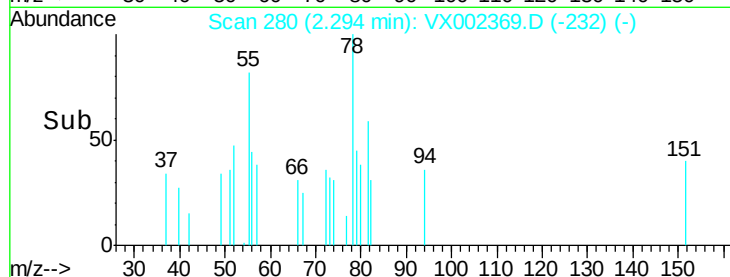
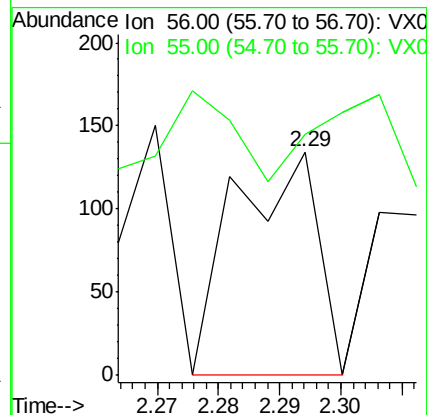
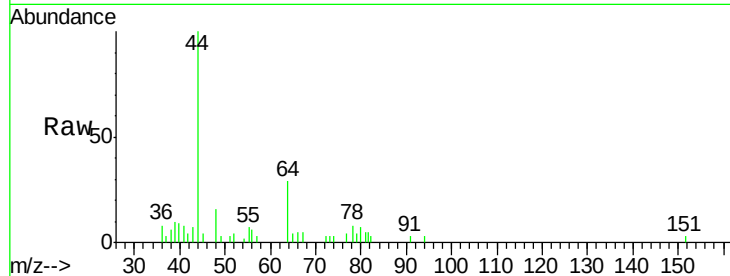
VX0607WBL01

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

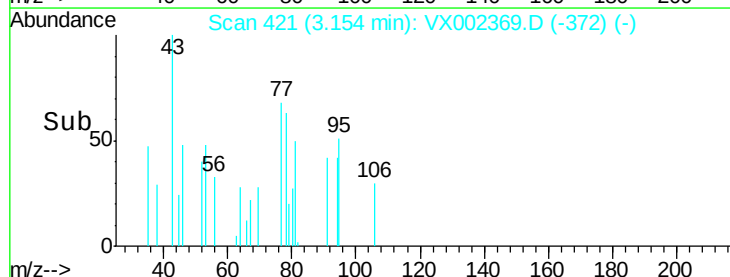
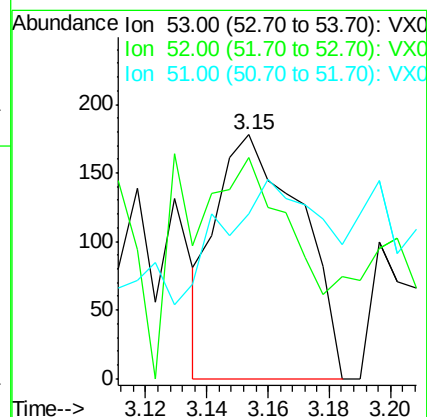
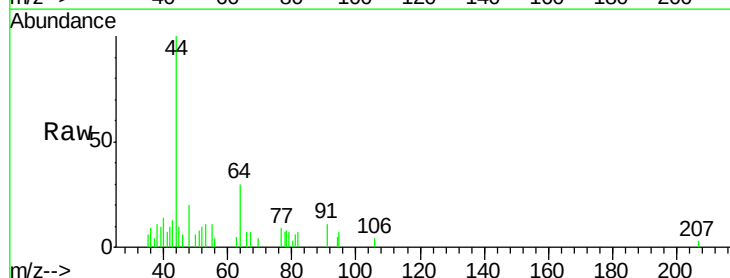
Tgt Ion: 53 Resp: 341

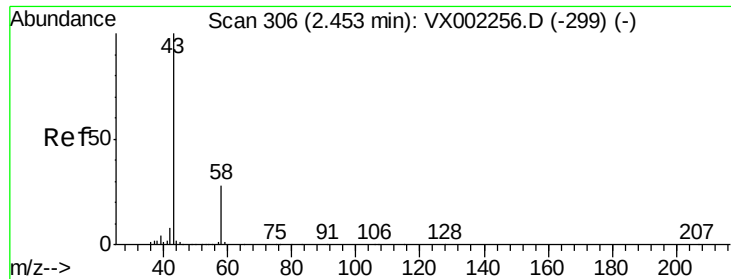
Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 58.4 29.9 44.9#

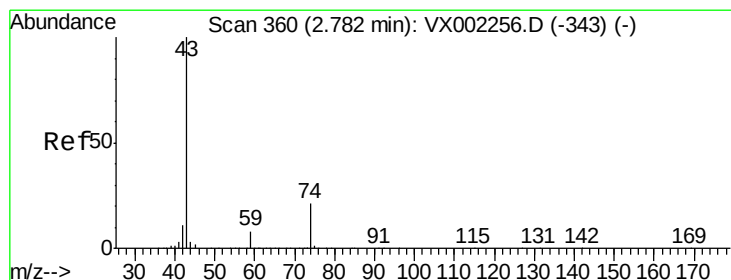
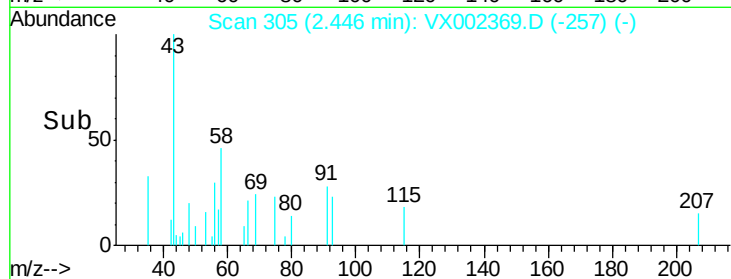
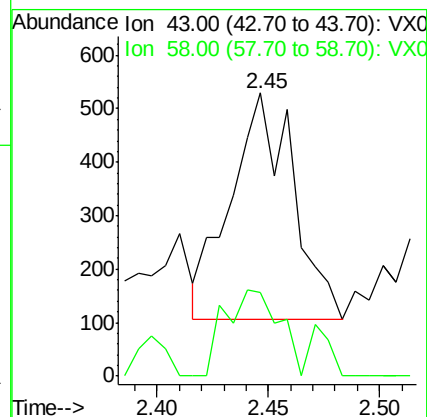
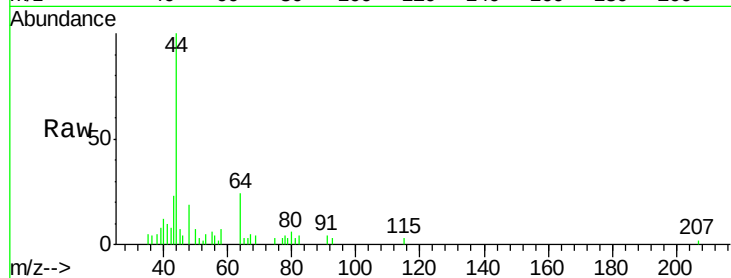




#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

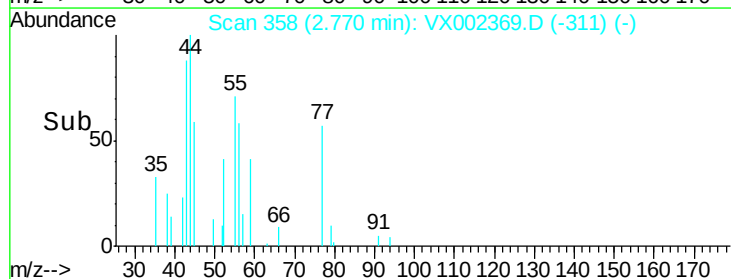
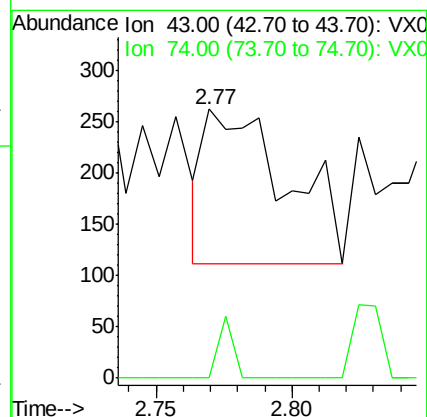
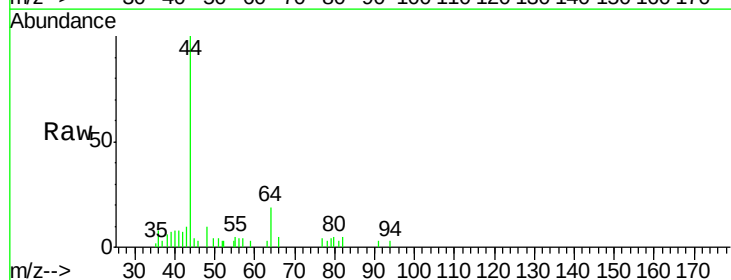
Instrument :
MSVOA_X
ClientSampled :
VX0607WBL01

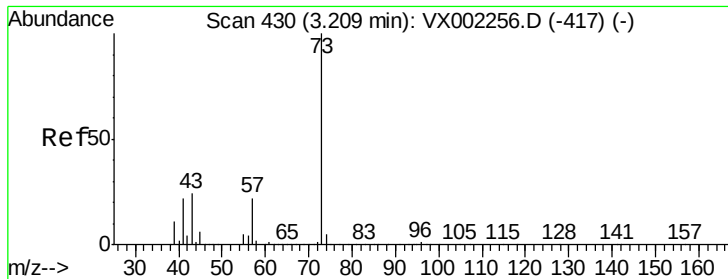
Tot Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
58 37.2 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Tgt Ion: 43 Resp: 314
Ion Ratio Lower Upper
43 100
74 7.0 16.7 25.1#



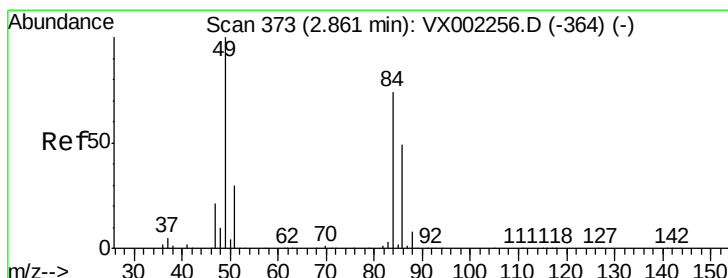
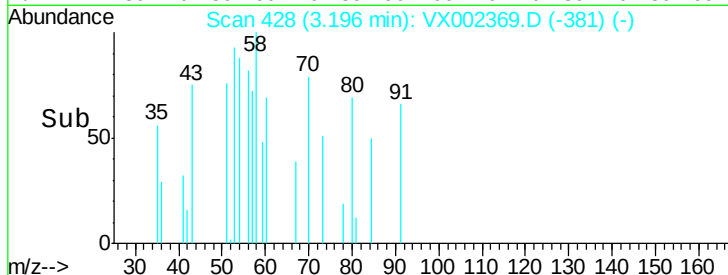
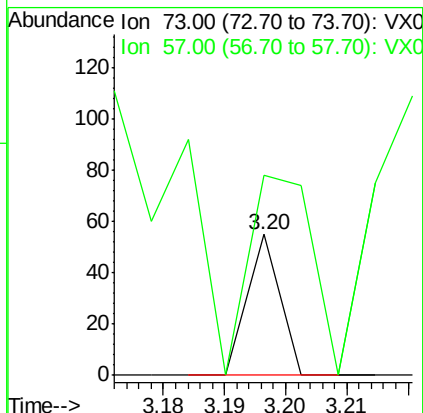
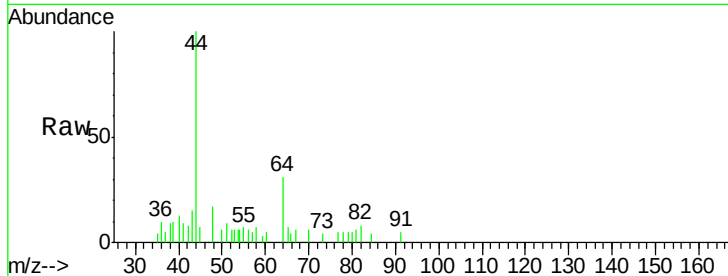


#19

Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBL01

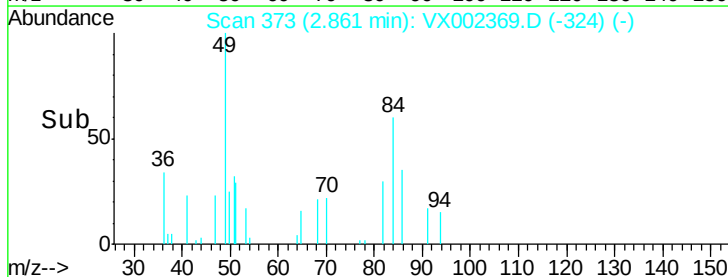
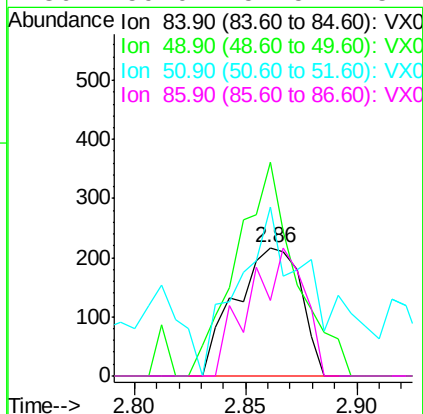
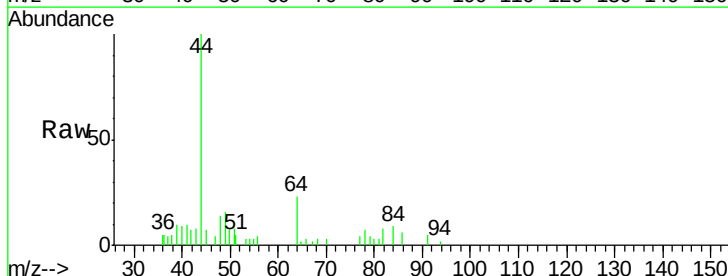
Tot Ion: 73 Resp: 20
Ion Ratio Lower Upper
73 100
57 141.8 17.7 26.5#

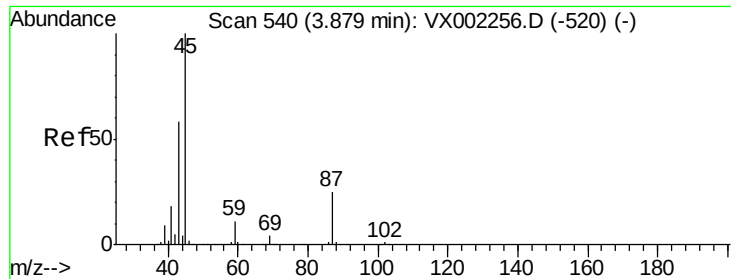


#20

Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Tgt Ion: 84 Resp: 442
Ion Ratio Lower Upper
84 100
49 166.4 107.8 161.6#
51 94.0 32.8 49.2#
86 59.0 52.5 78.7





#22

Diisopropyl ether

Concen: Below Cal

RT: 3.85 min Scan# 535

Delta R.T. -0.03 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

Instrument :

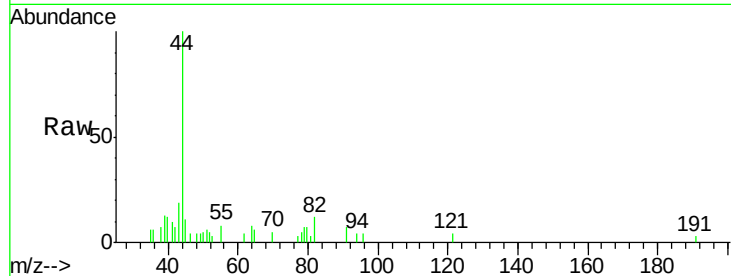
MSVOA_X

ClientSampleId :

VX0607WBL01

Tot Ion: 45 Resp: 81

Ion	Ratio	Lower	Upper
45	100		
43	111.5	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

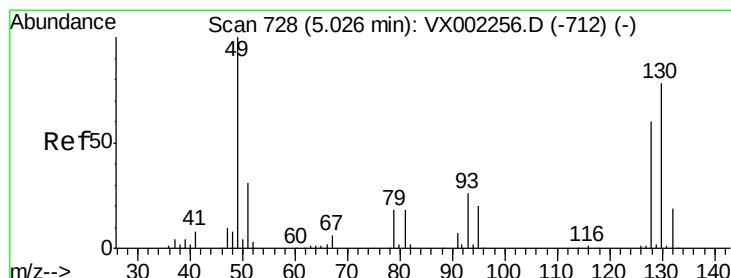
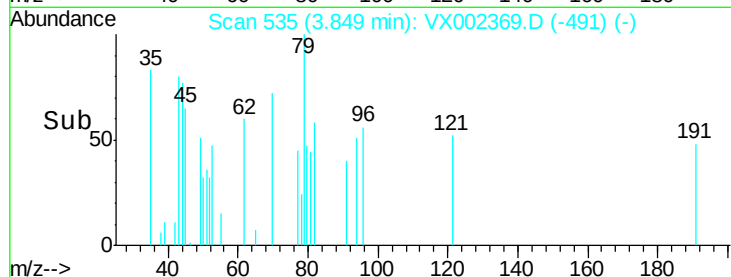
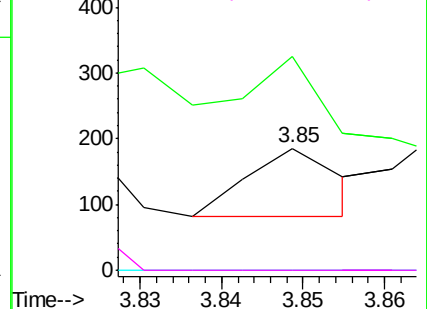


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 725

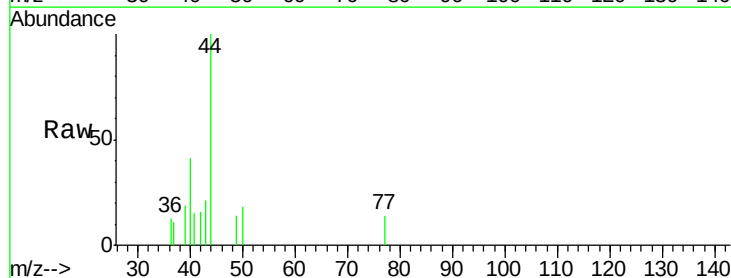
Delta R.T. -0.02 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

Tgt Ion: 49 Resp: 26

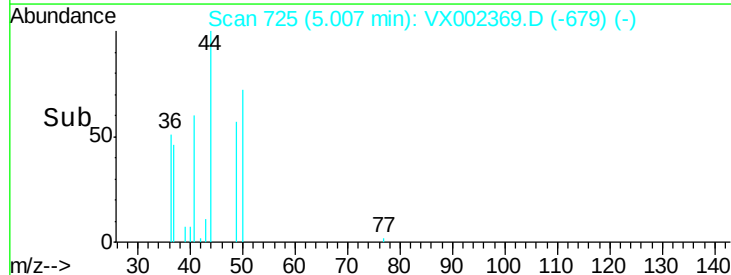
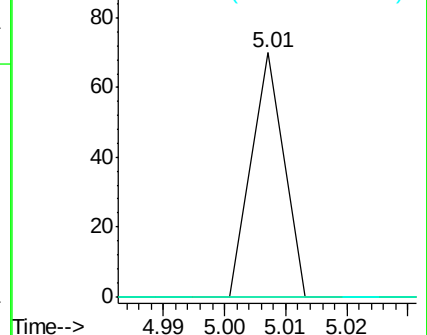
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#

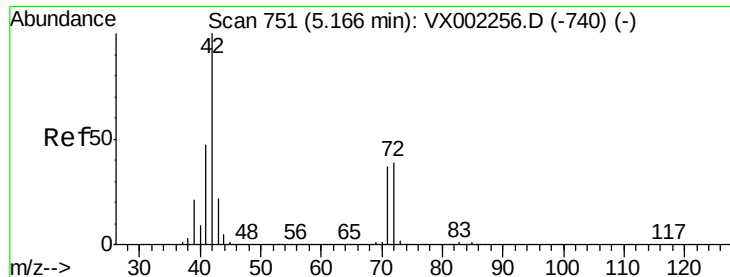


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

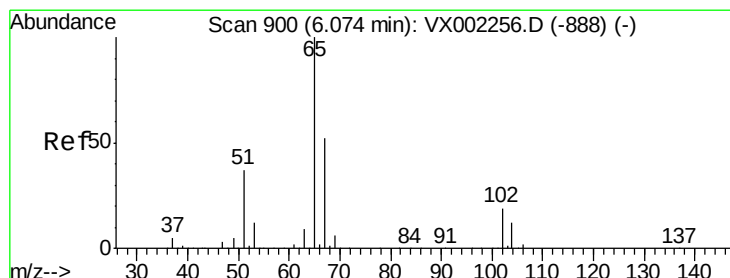
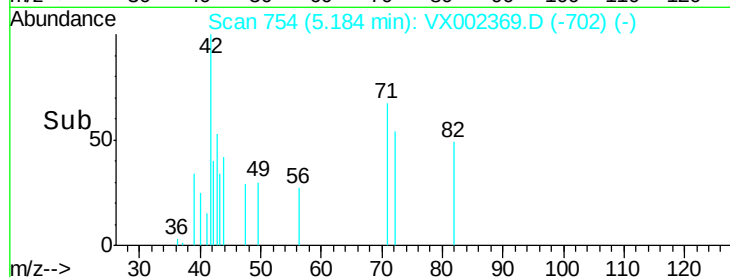
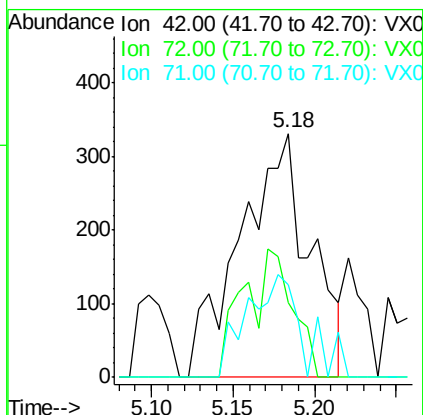
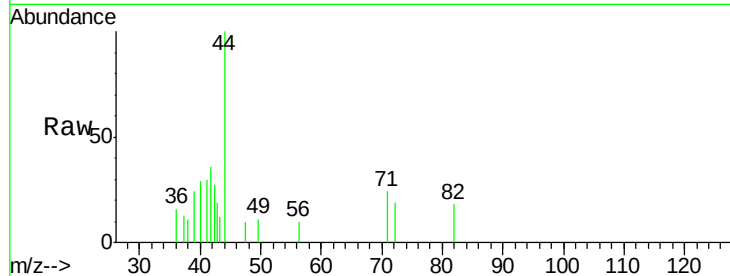




#29
Tetrahydrofuran
Concen: 0.625 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.02 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

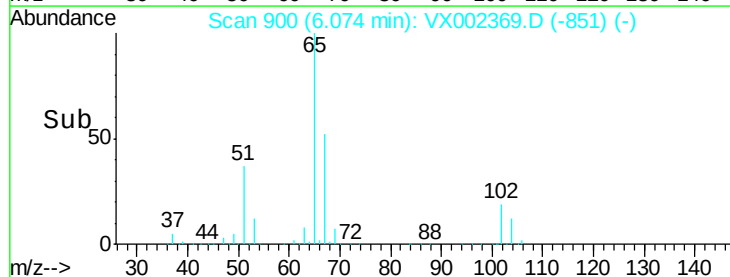
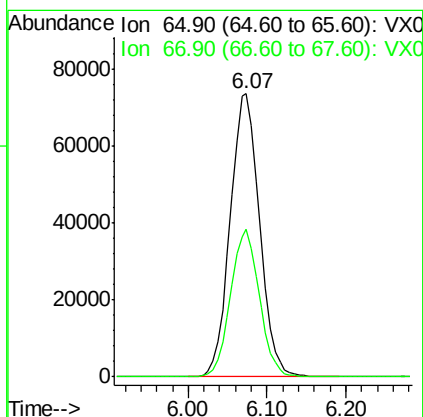
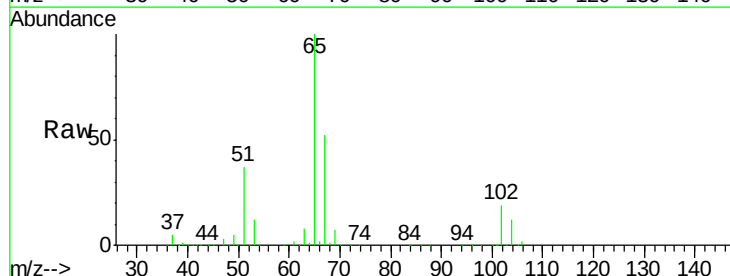
Instrument :
MSVOA_X
ClientSampleId :
VX0607WBL01

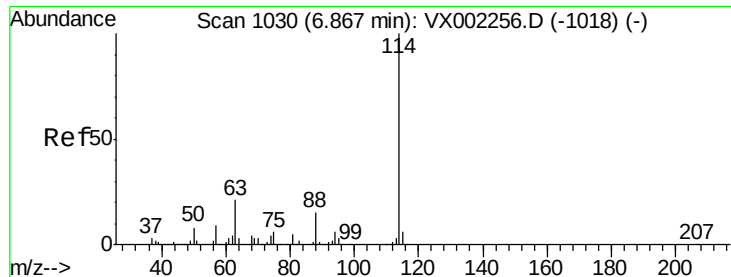
Tot Ion: 42 Resp: 982
Ion Ratio Lower Upper
42 100
72 37.0 32.0 48.0
71 28.6 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 54.116 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Tgt Ion: 65 Resp: 191365
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBL01

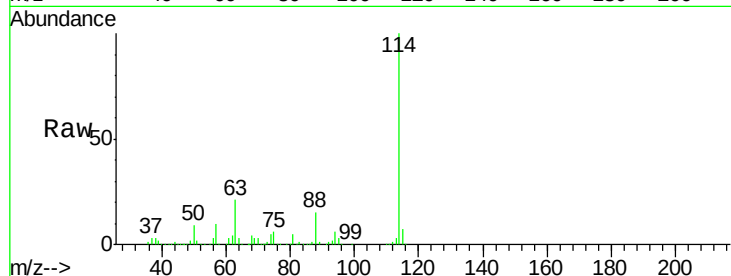
Tot Ion:114 Resp: 365613

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.4

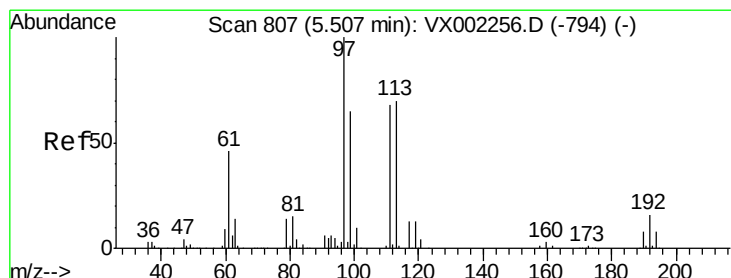
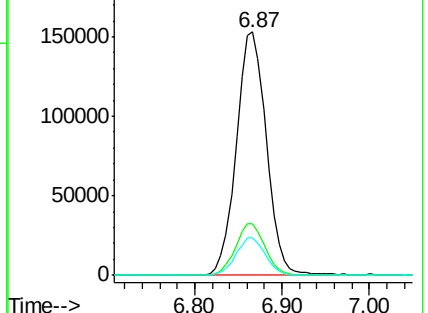
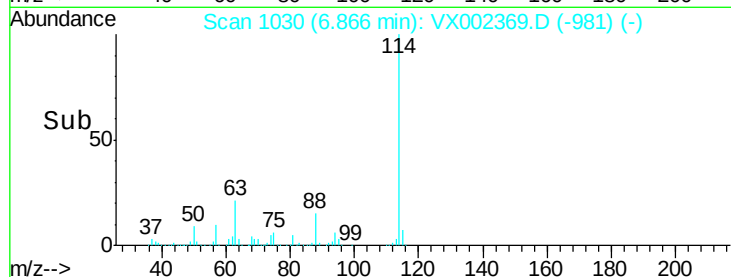
88 15.3 0.0 30.0



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: 49.959 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002369.D

Acq: 07 Jun 2018 11:21

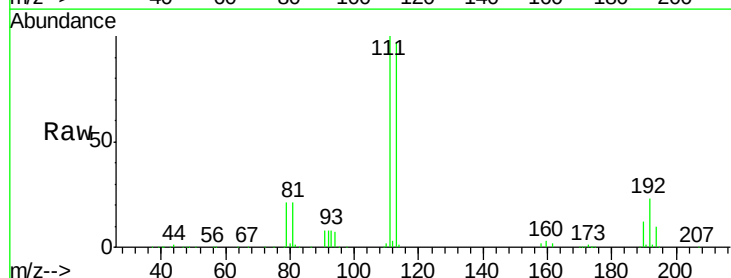
Tgt Ion:113 Resp: 143644

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

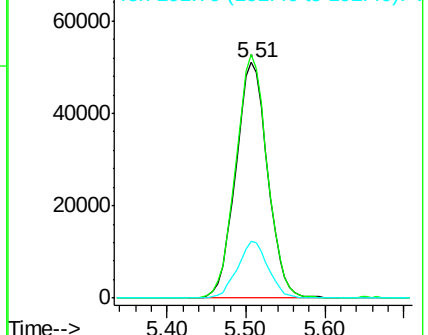
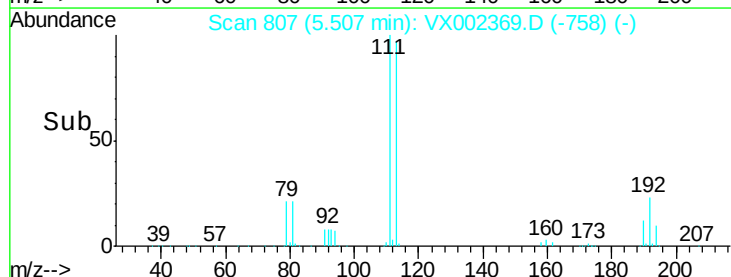
192 23.3 19.1 28.7

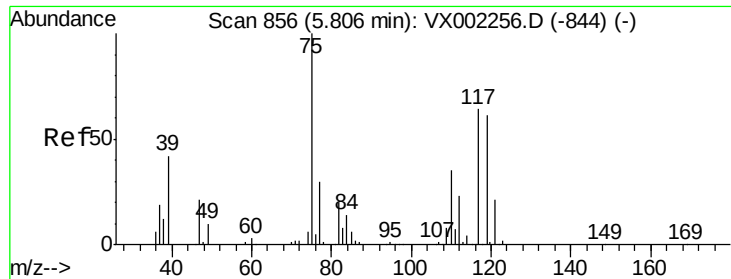


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

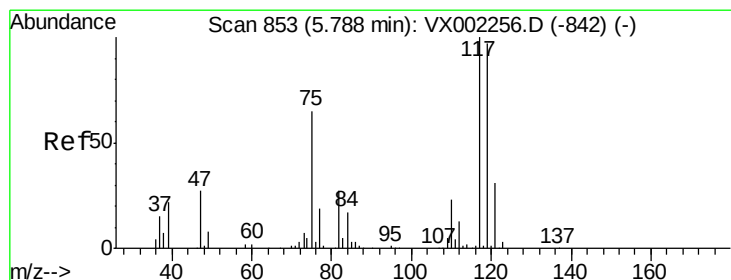
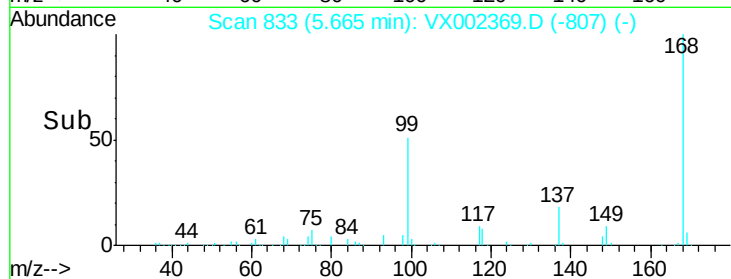
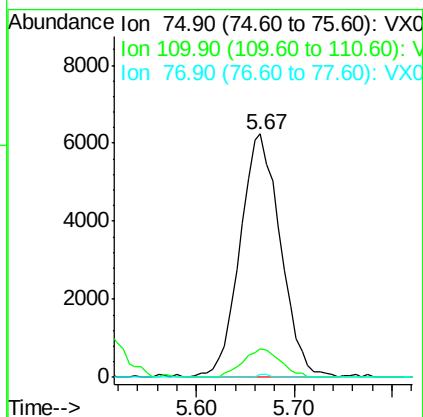
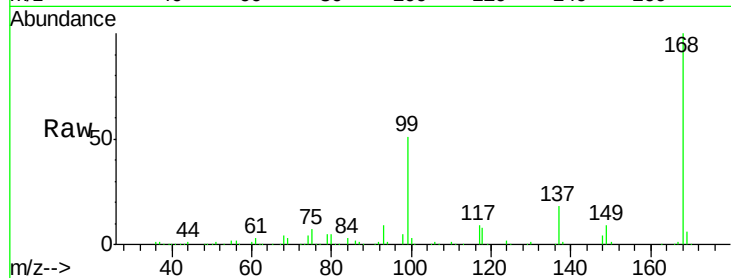




#36
 1,1-Dichloropropene
 Concen: 4.654 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002369.D
 Acq: 07 Jun 2018 11:21

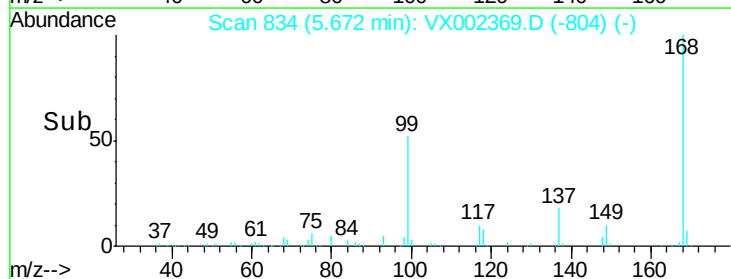
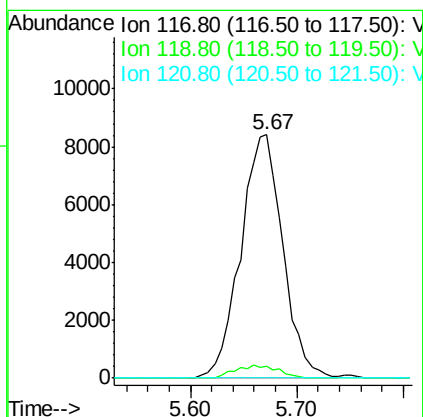
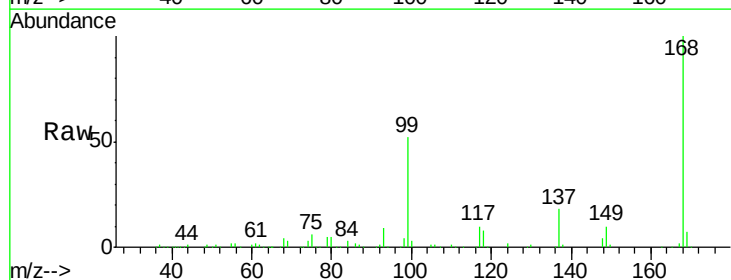
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBL01

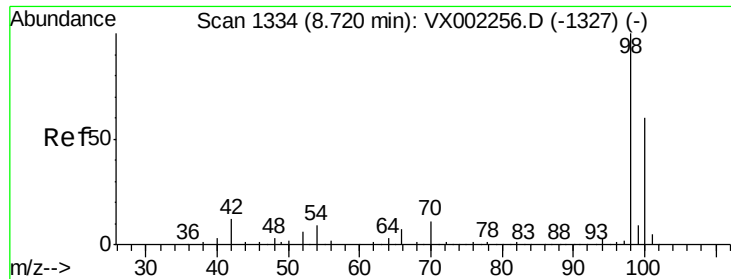
Tot Ion: 75 Resp: 17889
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.1 54.4#
 77 0.3 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.791 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002369.D
 Acq: 07 Jun 2018 11:21

Tgt Ion:117 Resp: 23286
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.4 116.0#
 121 0.0 24.4 36.6#

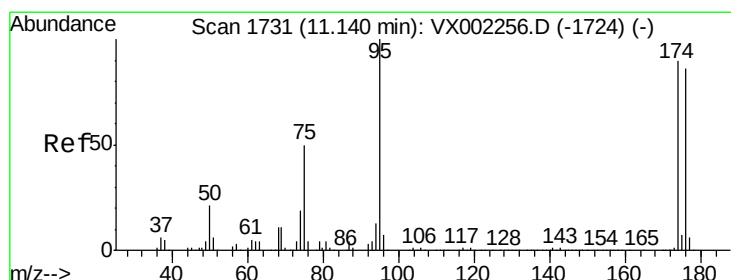
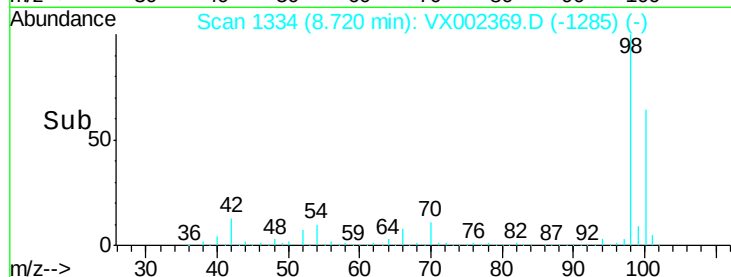
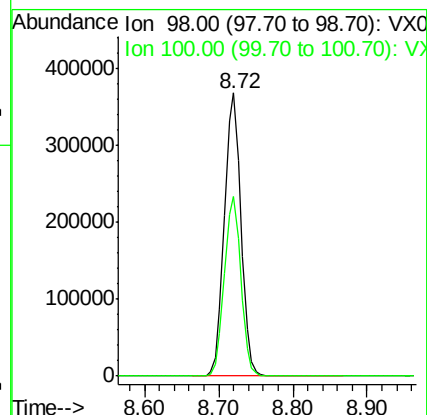
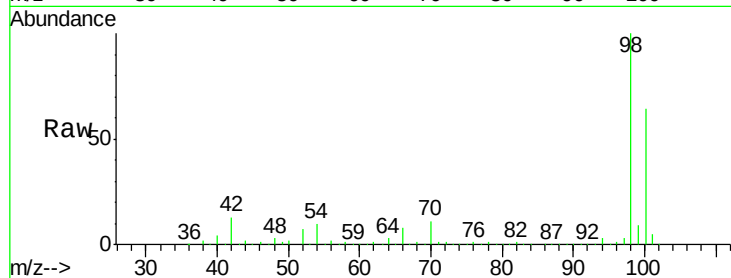




#50
Toluene-d8
Concen: 51.555 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

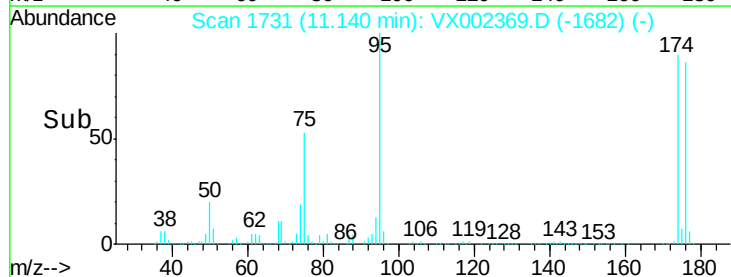
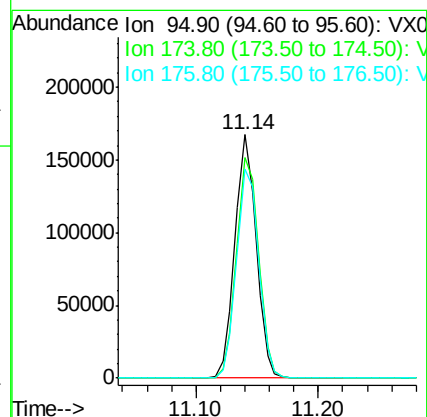
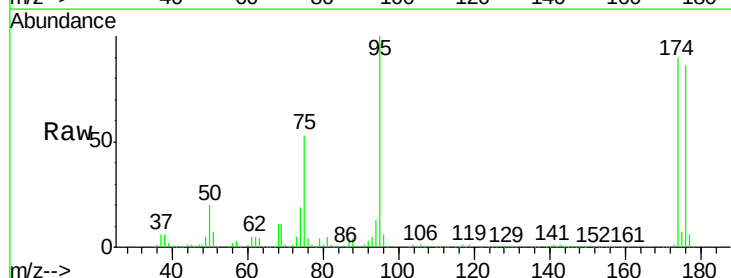
Instrument :
MSVOA_X
ClientSampleId :
VX0607WBL01

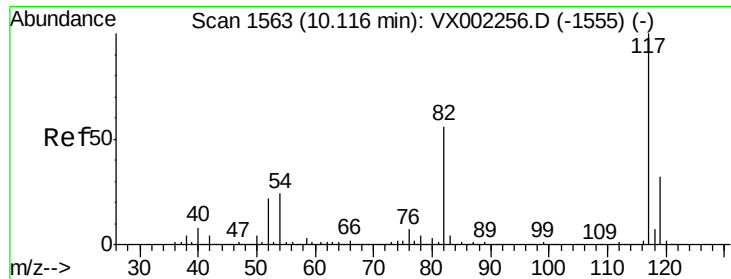
Tot Ion: 98 Resp: 568160
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.270 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Tgt Ion: 95 Resp: 200881
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.4
176 89.9 0.0 181.0

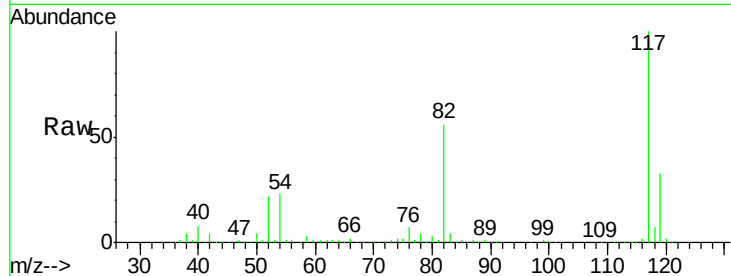




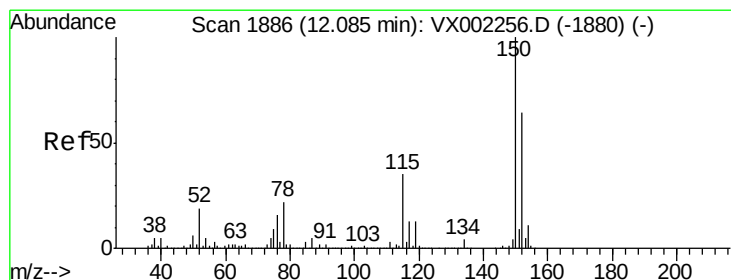
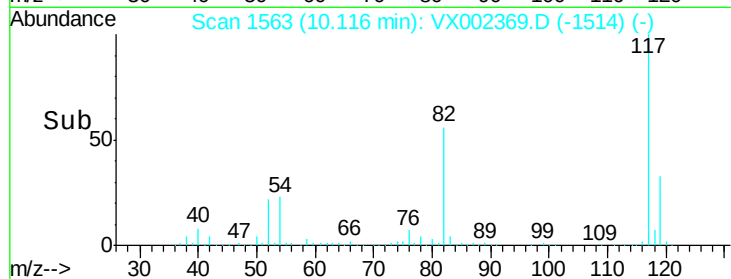
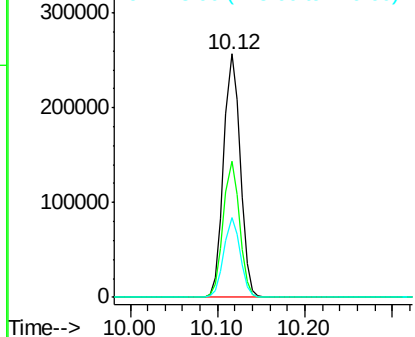
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBL01

Tot Ion:117 Resp: 336180
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.6 25.8 38.6

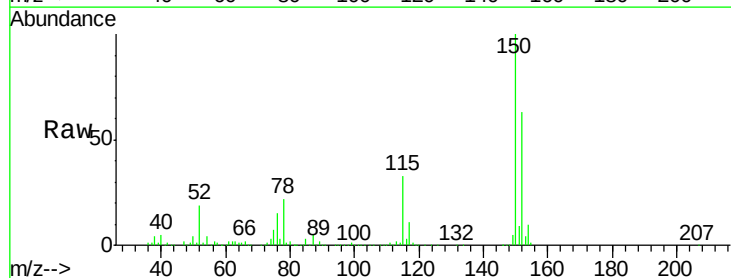


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

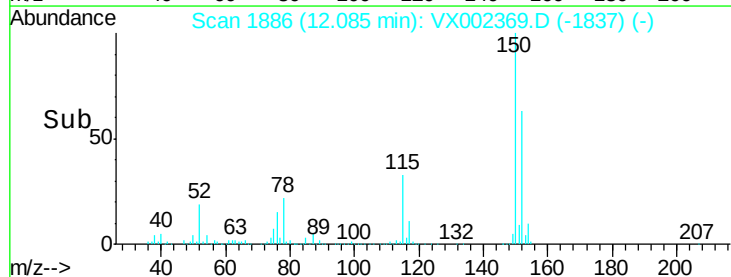
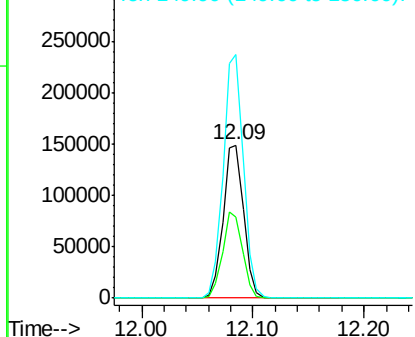


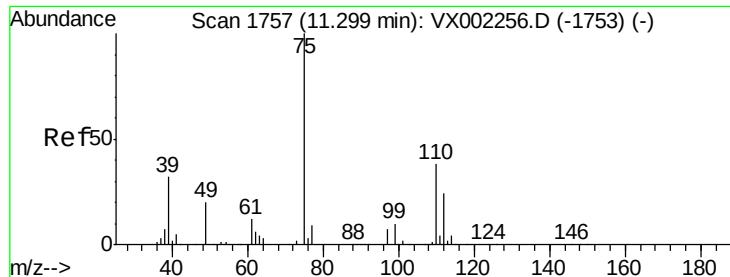
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002369.D
Acq: 07 Jun 2018 11:21

Tgt Ion:152 Resp: 188003
Ion Ratio Lower Upper
152 100
115 55.0 40.1 120.2
150 158.0 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

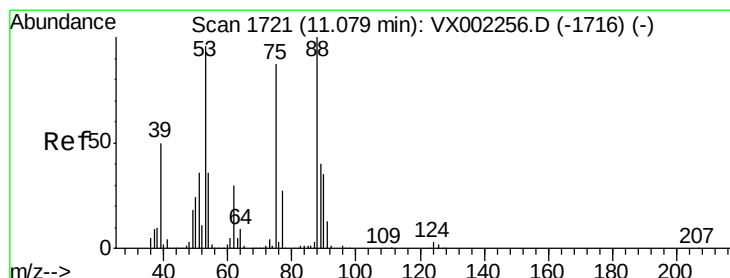
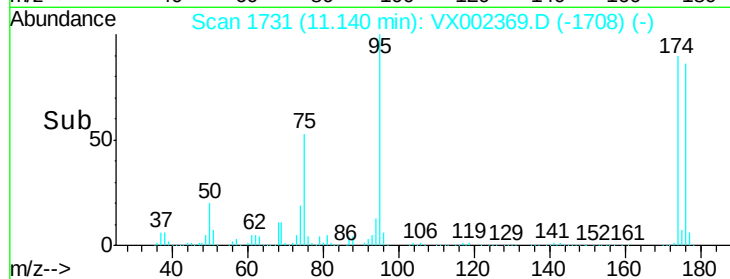
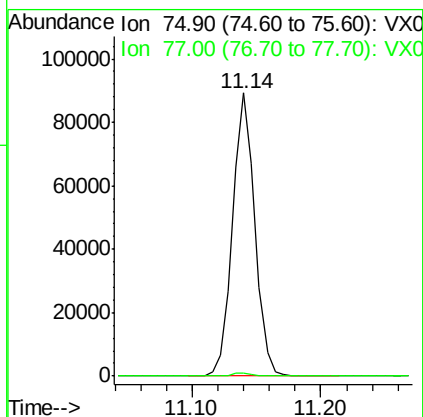
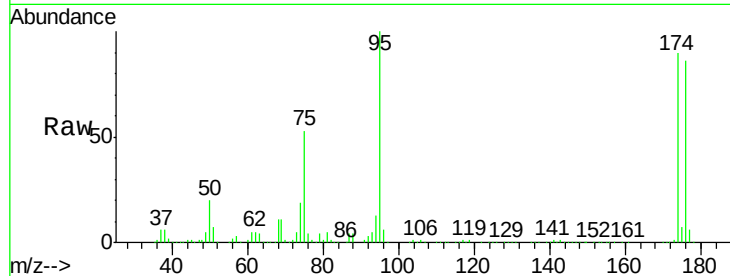




#76
 1,2,3-Trichloropropane
 Concen: 26.199 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002369.D
 Acq: 07 Jun 2018 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBL01

Tot Ion: 75 Resp: 108080
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.838 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002369.D
 Acq: 07 Jun 2018 11:21

Tgt Ion: 75 Resp: 108080
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#

