

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060718\
 Data File : VX002370.D
 Acq On : 07 Jun 2018 11:54
 Operator : JC/MD
 Sample : VX0607MBL01
 Misc : 5.00g/10mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBL01

Quant Time: Jun 07 14:41:58 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	256603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193289	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	178255	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	5.51	113	131794	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
50) Toluene-d8	8.72	98	540421	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.14	95	188788	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	

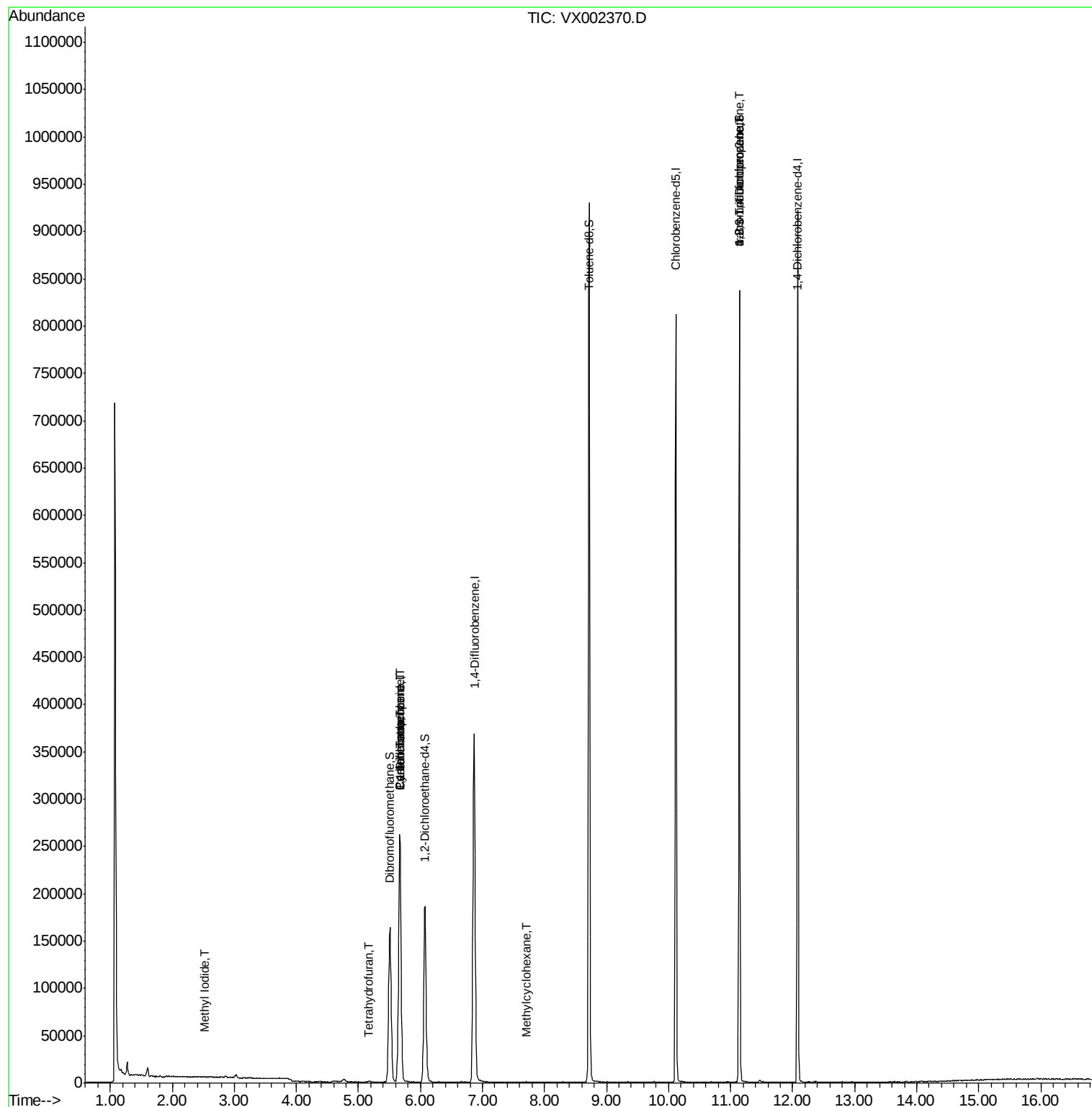
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	401	Below Cal		95
5) Bromomethane	1.65	94	1002	Below Cal	#	71
8) Diethyl Ether	2.39	74	19	Below Cal		60
10) Methyl Iodide	2.53	142	1122	0.289	ug/l	98
11) Tert butyl alcohol	3.02	59	1923	Below Cal	#	89
13) Acrolein	2.34	56	83	Below Cal	#	77
15) Acrylonitrile	3.14	53	191	Below Cal	#	18
16) Acetone	2.45	43	685	Below Cal		92
18) Methyl Acetate	2.78	43	339	Below Cal	#	74
19) Methyl tert-butyl Ether	3.21	73	75	Below Cal	#	90
20) Methylene Chloride	2.86	84	525	Below Cal	#	72
22) Diisopropyl ether	3.85	45	99	Below Cal	#	35
28) Bromochloromethane	4.99	49	23	Below Cal	#	13
29) Tetrahydrofuran	5.16	42	446	0.275	ug/l #	72
31) Cyclohexane	5.67	56	5378	1.161	ug/l #	2
36) 1,1-Dichloropropene	5.67	75	17963	4.590	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23760	5.804	ug/l #	15
39) Methylcyclohexane	7.70	83	20	0.267	ug/l #	27
76) 1,2,3-Trichloropropane	11.14	75	102175	24.091	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	102175	84.446	ug/l #	6

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jun 07 14:41:58 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: VX002370.D

Acq: 07 Jun 2018 11:54

Instrument :

MSVOA_X

ClientSampleId :

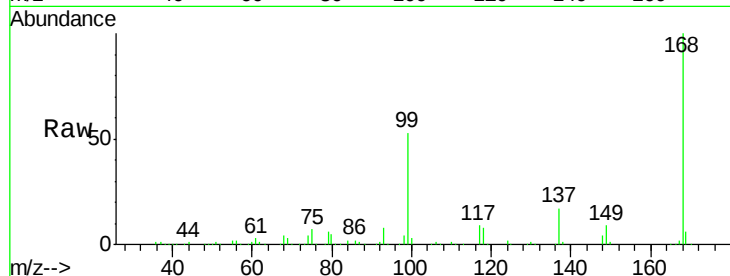
VX0607MBL01

Tot Ion:168 Resp: 256603

Ion Ratio Lower Upper

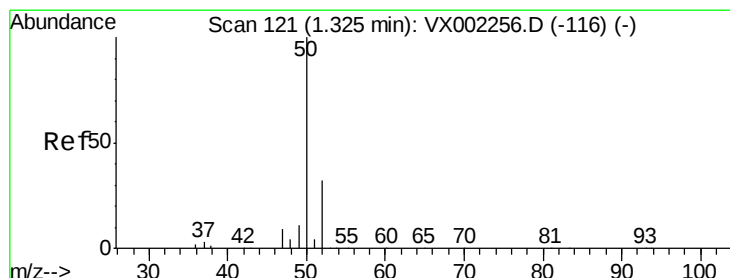
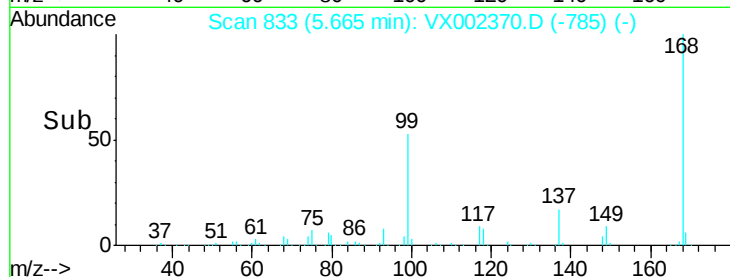
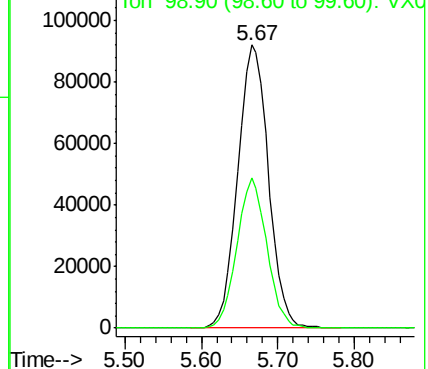
168 100

99 53.3 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: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002370.D

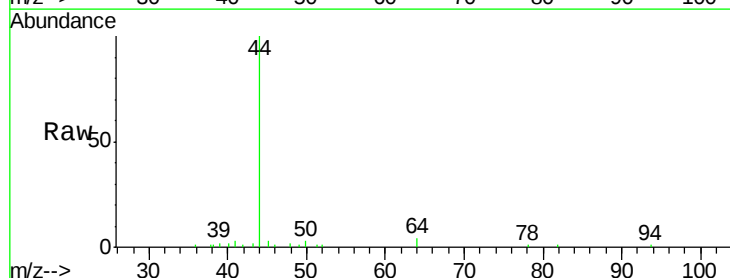
Acq: 07 Jun 2018 11:54

Tgt Ion: 50 Resp: 401

Ion Ratio Lower Upper

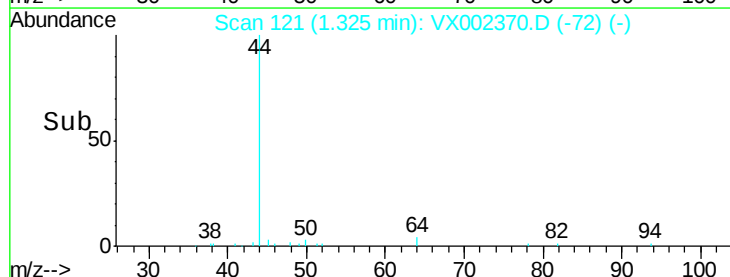
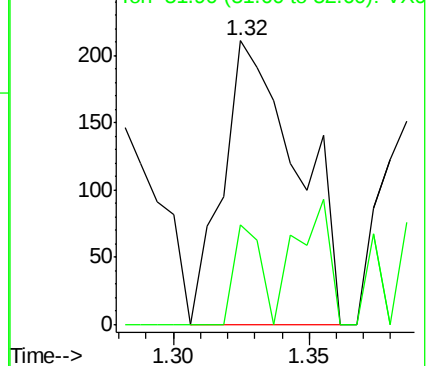
50 100

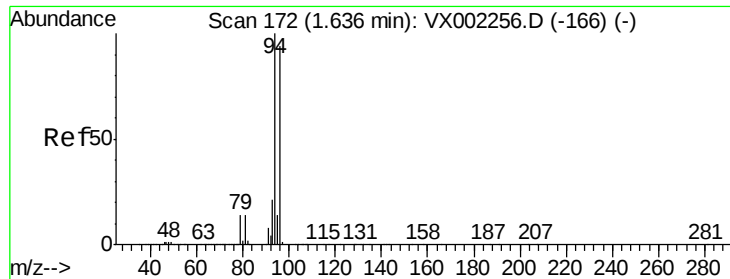
52 35.1 25.7 38.5



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: VX002370.D

Acq: 07 Jun 2018 11:54

Instrument :

MSVOA_X

ClientSampleId :

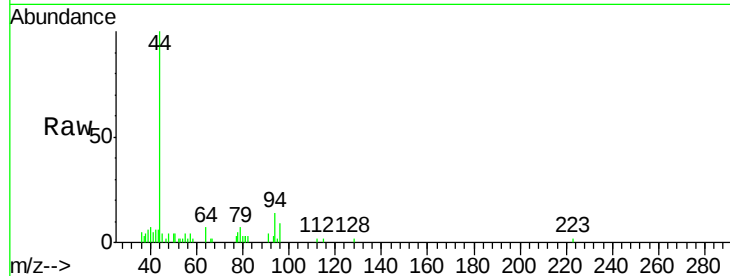
VX0607MBL01

Tot Ion: 94 Resp: 1002

Ion Ratio Lower Upper

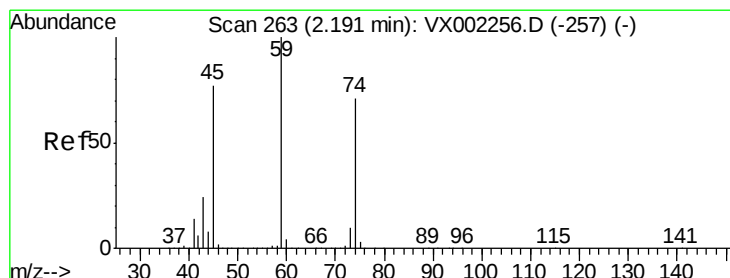
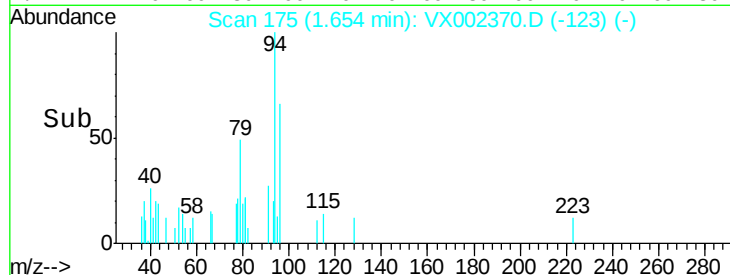
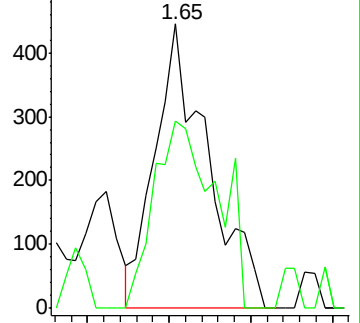
94 100

96 65.7 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.39 min Scan# 296

Delta R.T. 0.20 min

Lab File: VX002370.D

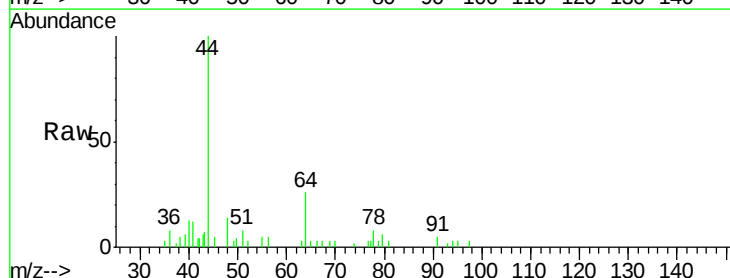
Acq: 07 Jun 2018 11:54

Tgt Ion: 74 Resp: 19

Ion Ratio Lower Upper

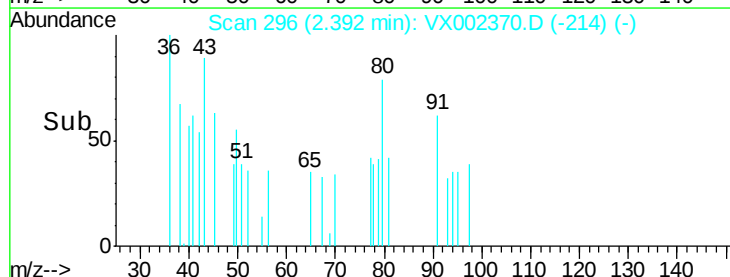
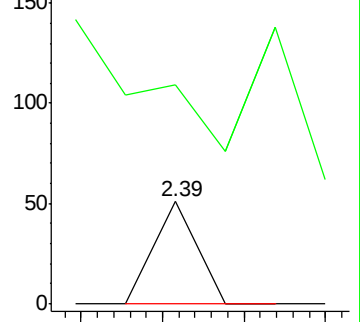
74 100

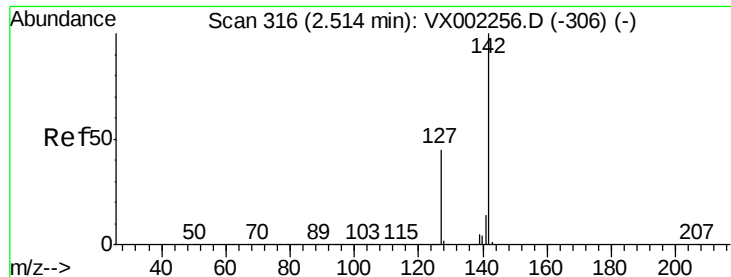
45 147.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

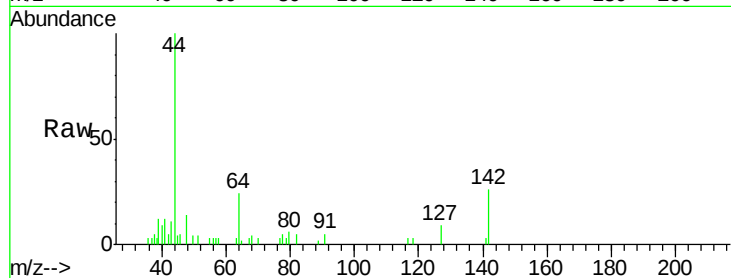




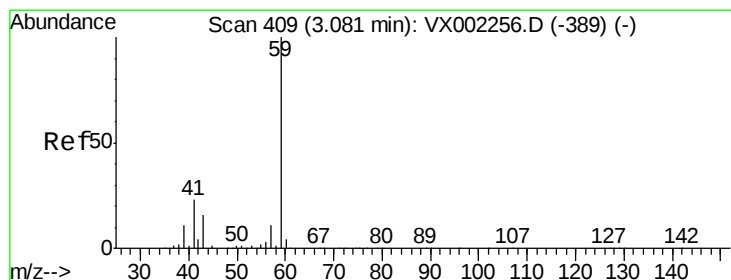
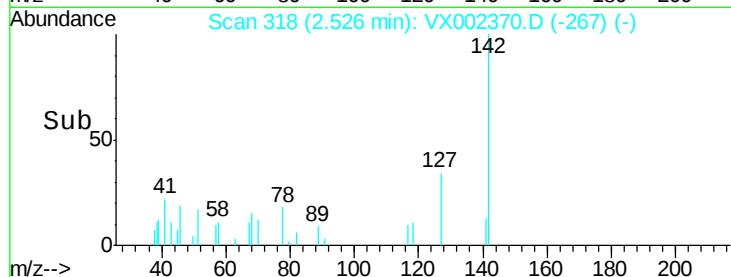
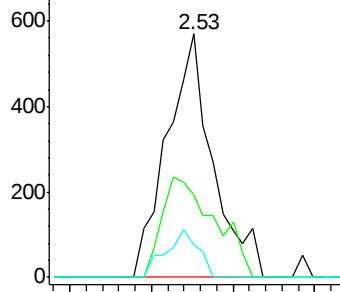
#10
Methyl Iodide
Concen: 0.289 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Instrument :
MSVOA_X
ClientSampled :
VX0607MBL01

Tot Ion:142 Resp: 1122
Ion Ratio Lower Upper
142 100
127 47.1 36.6 55.0
141 13.7 11.3 16.9

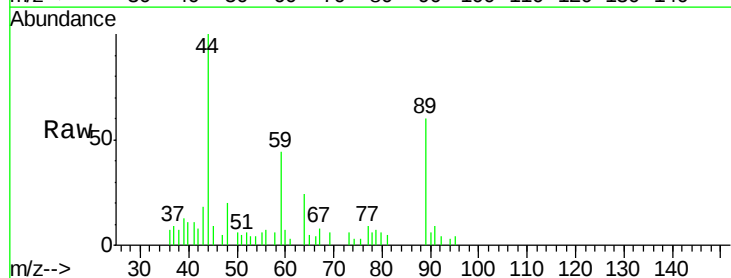


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

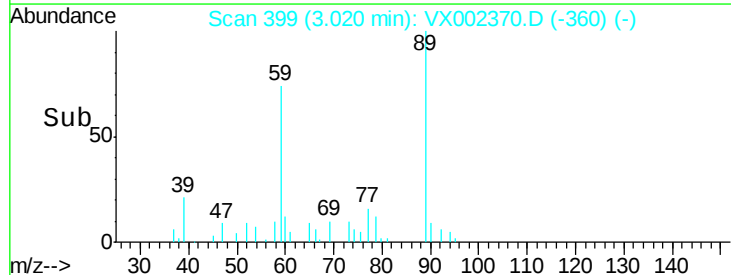
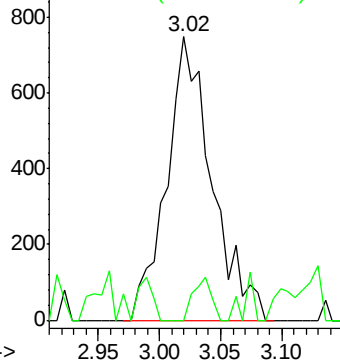


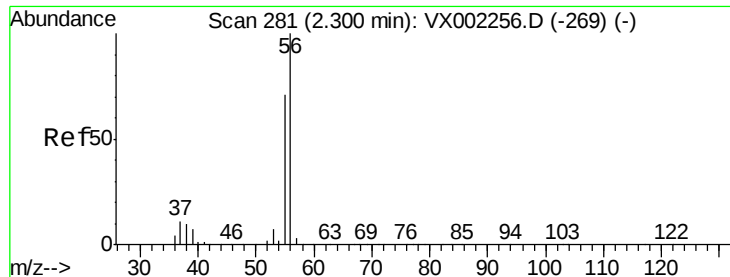
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Tgt Ion: 59 Resp: 1923
Ion Ratio Lower Upper
59 100
57 6.2 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: 2.34 min Scan# 288

Delta R.T. 0.04 min

Lab File: VX002370.D

Acq: 07 Jun 2018 11:54

Instrument :

MSVOA_X

ClientSampled :

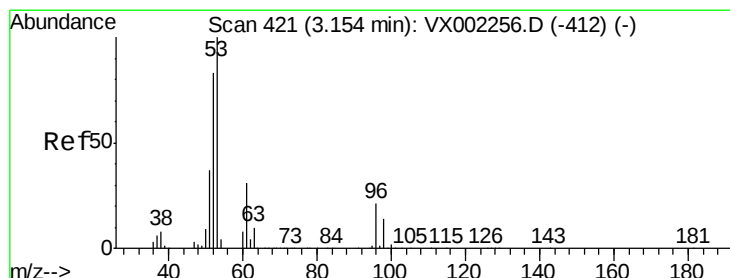
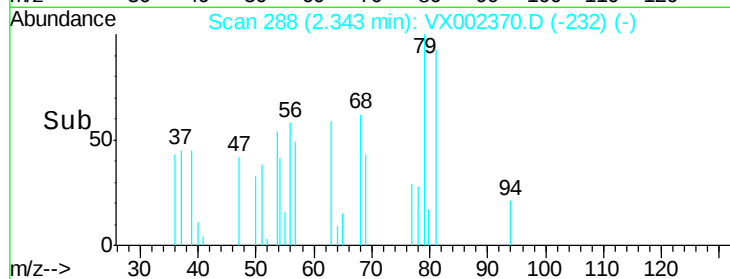
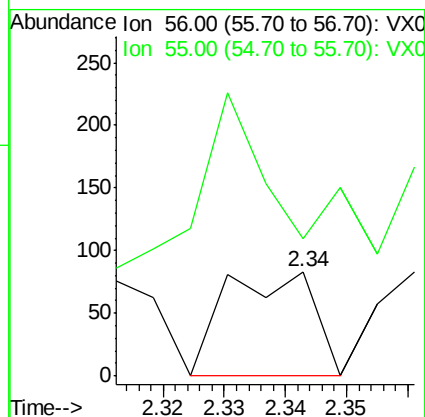
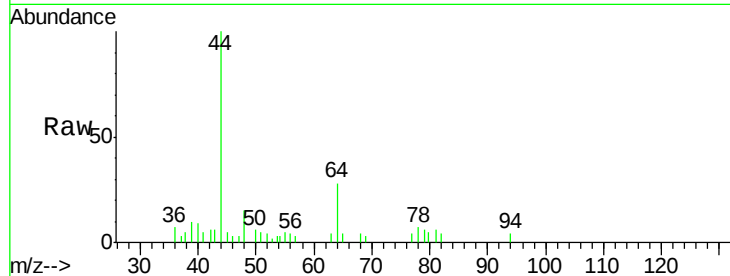
VX0607MBL01

Tot Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 90.4 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002370.D

Acq: 07 Jun 2018 11:54

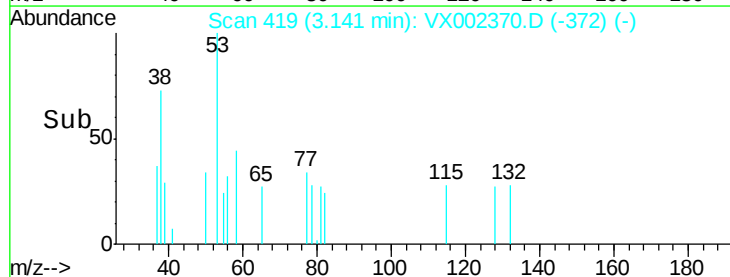
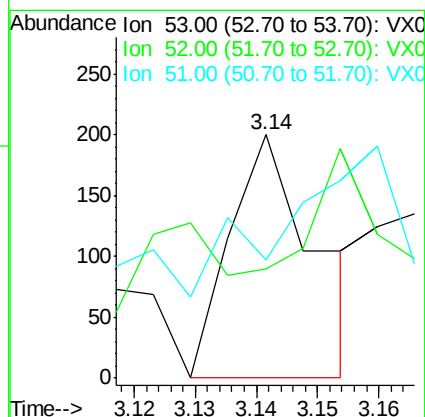
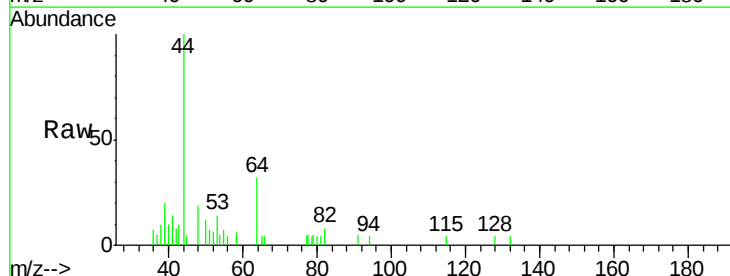
Tgt Ion: 53 Resp: 191

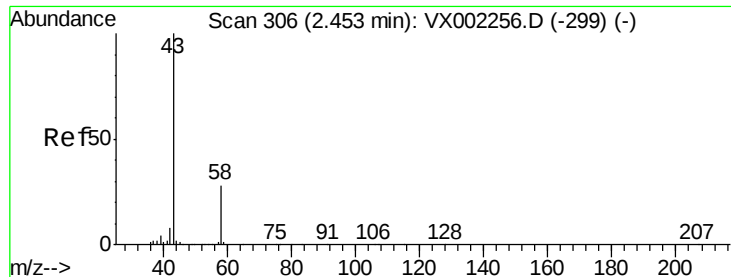
Ion Ratio Lower Upper

53 100

52 143.5 66.7 100.1#

51 107.9 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002370.D

Acq: 07 Jun 2018 11:54

Instrument :

MSVOA_X

ClientSampled :

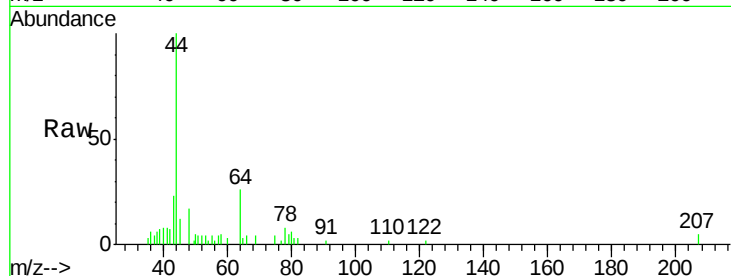
VX0607MBL01

Tot Ion: 43 Resp: 685

Ion Ratio Lower Upper

43 100

58 32.0 22.1 33.1



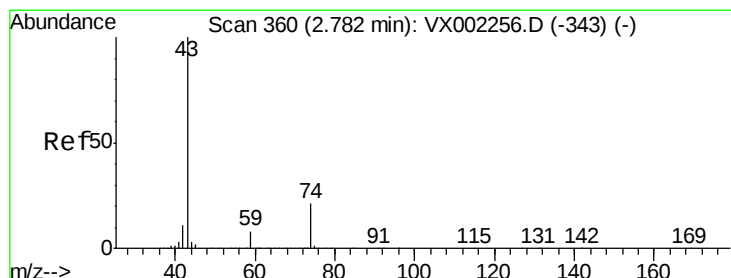
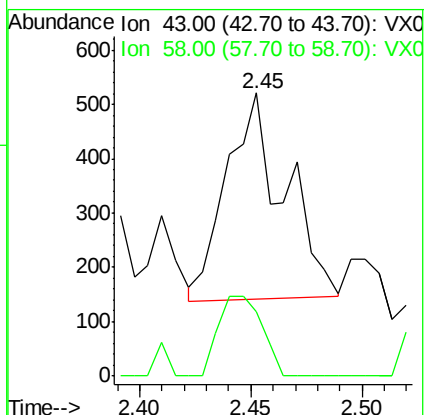
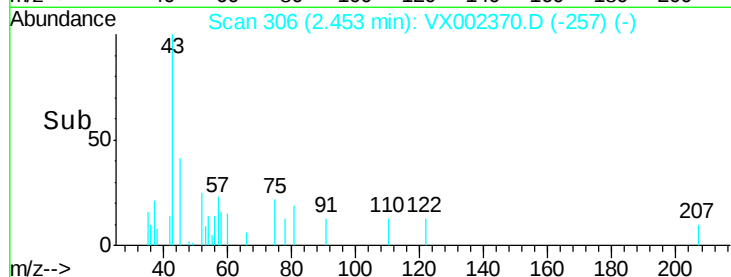
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2.45

2.50



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002370.D

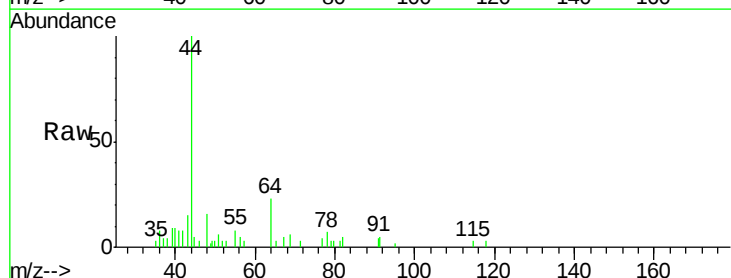
Acq: 07 Jun 2018 11:54

Tgt Ion: 43 Resp: 339

Ion Ratio Lower Upper

43 100

74 8.8 16.7 25.1#



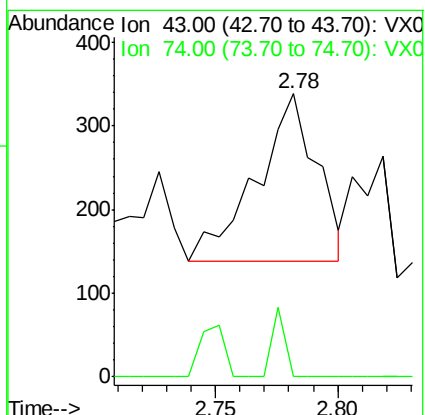
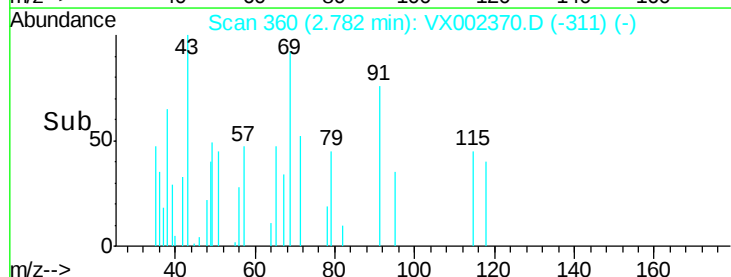
Abundance Ion 43.00 (42.70 to 43.70): VX0

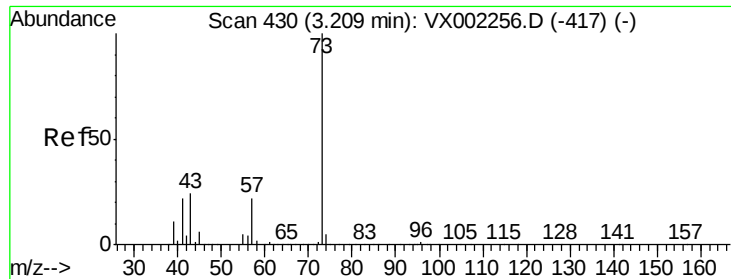
Ion 74.00 (73.70 to 74.70): VX0

2.78

2.78

2.80



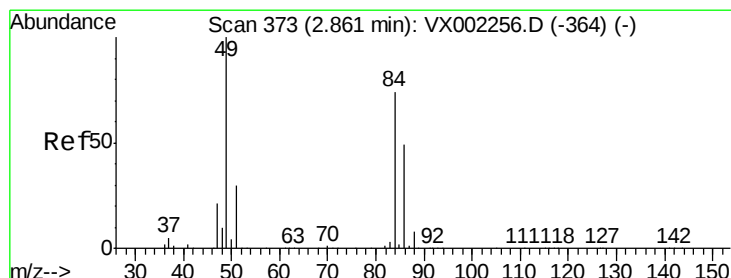
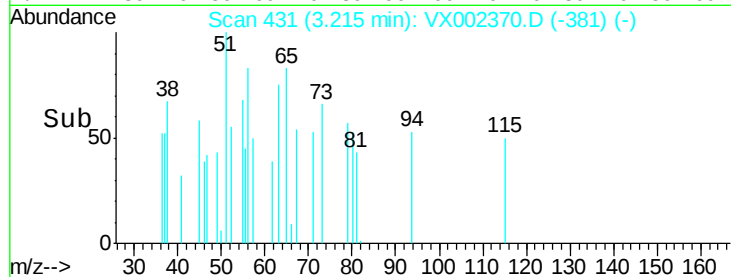
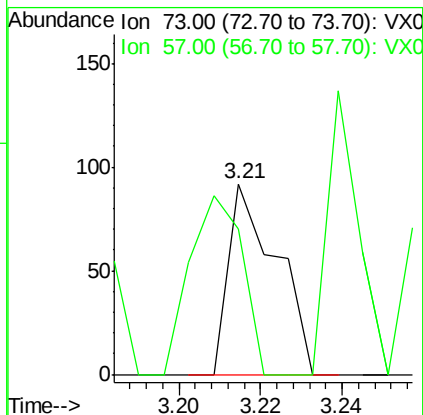
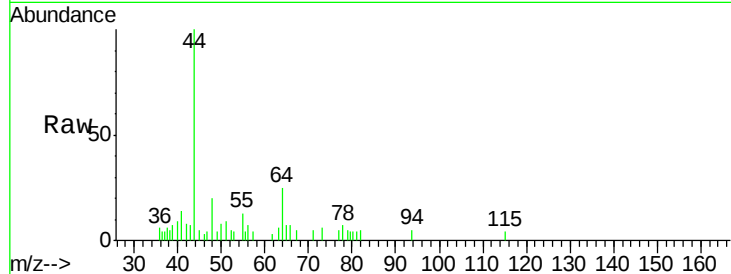


#19

Methyl tert-butyl Ether
 Concen: Below Cal
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX002370.D
 Acq: 07 Jun 2018 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607MBL01

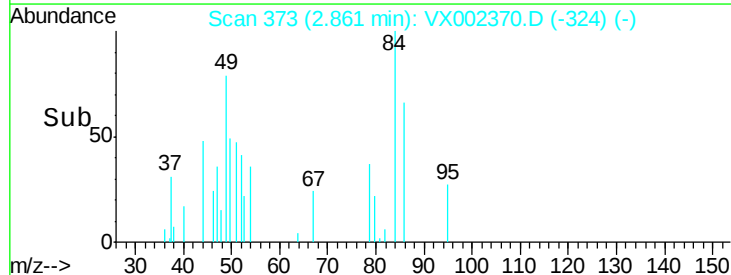
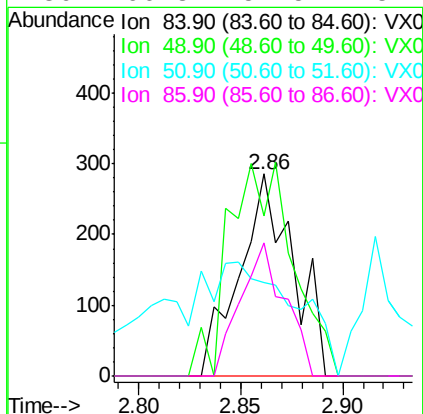
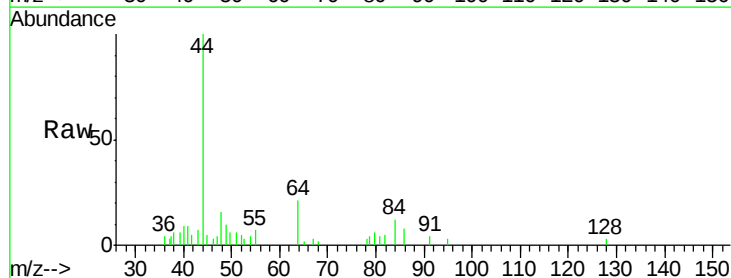
Tot Ion: 73 Resp: 75
 Ion Ratio Lower Upper
 73 100
 57 17.4 17.7 26.5#

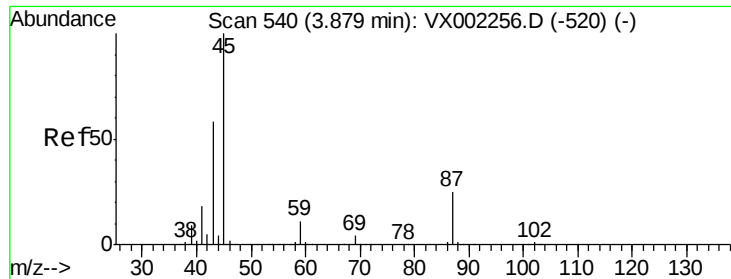


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002370.D
 Acq: 07 Jun 2018 11:54

Tgt Ion: 84 Resp: 525
 Ion Ratio Lower Upper
 84 100
 49 79.3 107.8 161.6#
 51 46.7 32.8 49.2
 86 66.3 52.5 78.7



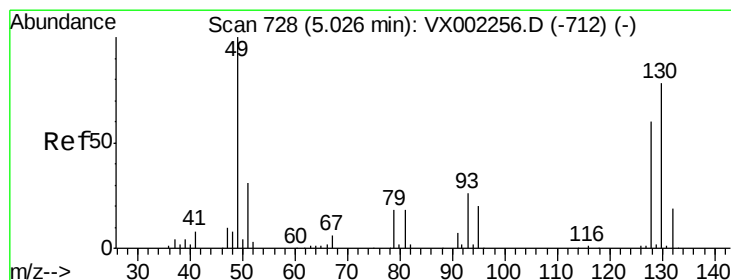
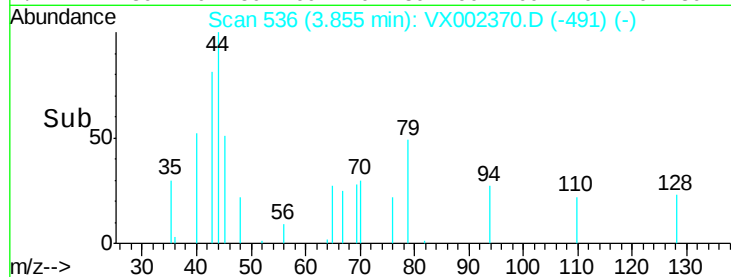
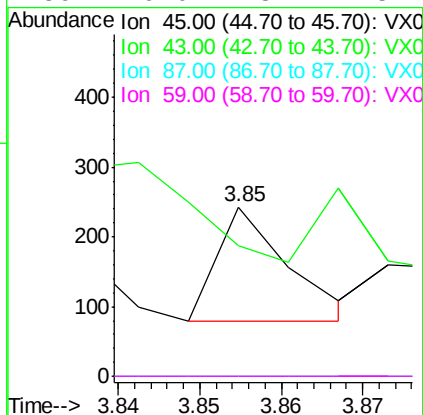
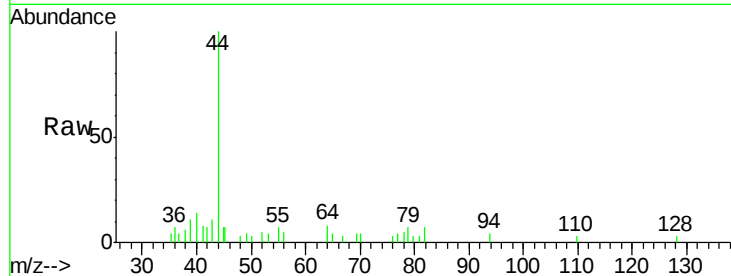


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.85 min Scan# 536
Delta R.T. -0.02 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Instrument :
MSVOA_X
ClientSampled :
VX0607MBL01

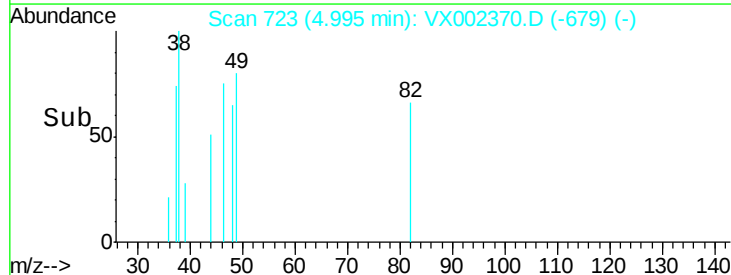
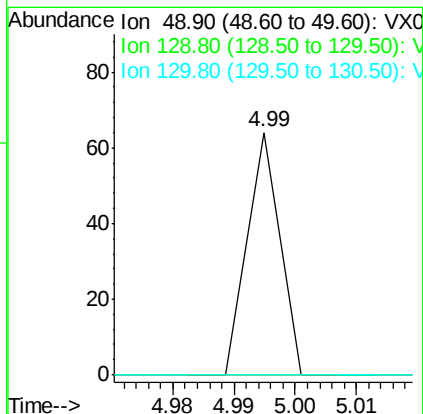
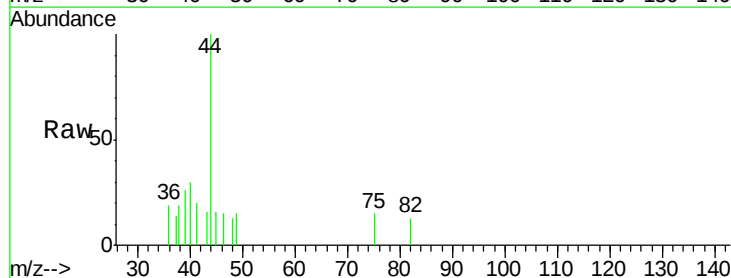
Tot Ion:	45	Resp:	99
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

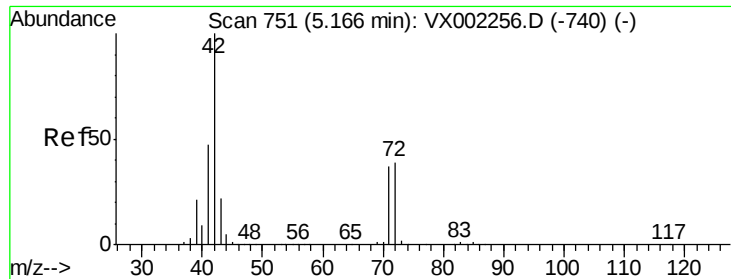


#28

Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 723
Delta R.T. -0.03 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Tgt Ion:	49	Resp:	23
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#

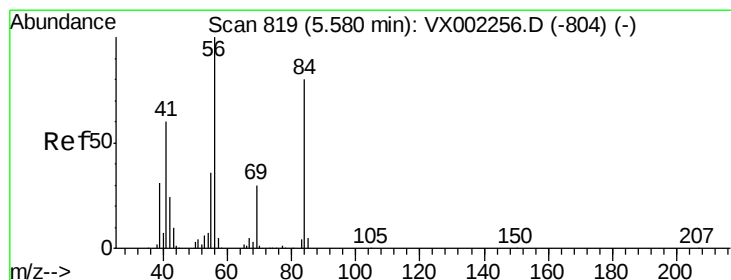
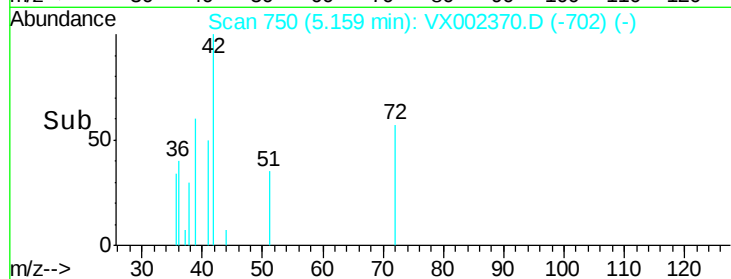
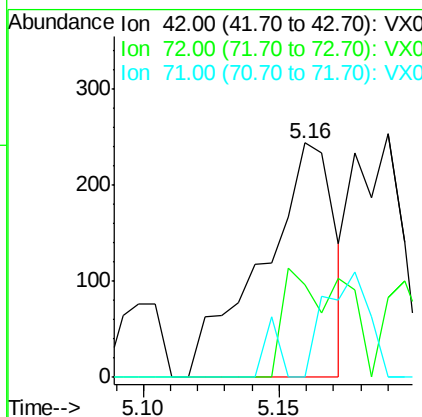
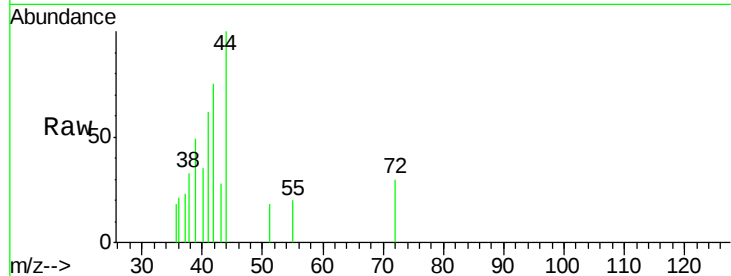




#29
Tetrahydrofuran
Concen: 0.275 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

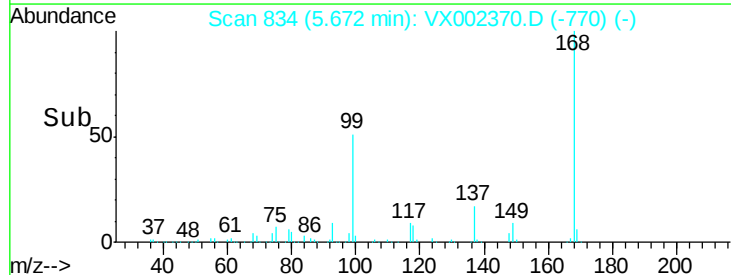
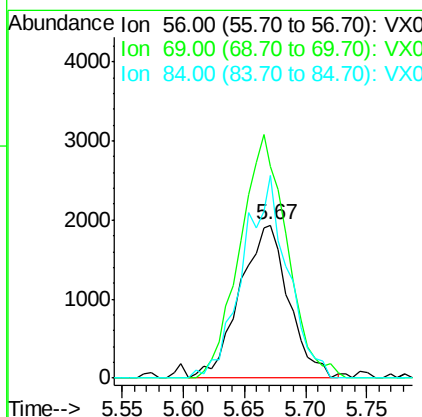
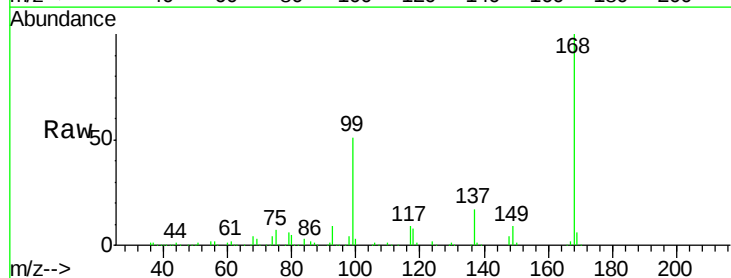
Instrument :
MSVOA_X
ClientSampled :
VX0607MBL01

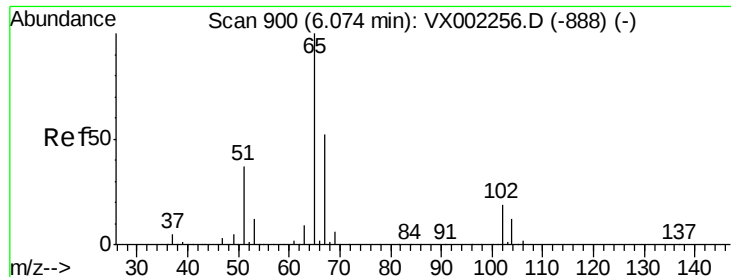
Tot Ion: 42 Resp: 446
Ion Ratio Lower Upper
42 100
72 38.3 32.0 48.0
71 5.2 30.1 45.1#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Tgt Ion: 56 Resp: 5378
Ion Ratio Lower Upper
56 100
69 138.3 23.7 35.5#
84 132.9 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 48.473 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002370.D

Acq: 07 Jun 2018 11:54

Instrument :

MSVOA_X

ClientSampleId :

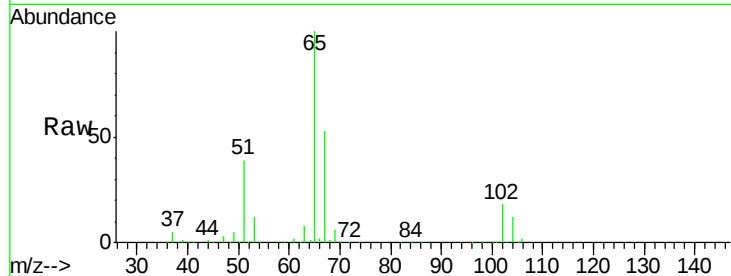
VX0607MBL01

Tot Ion: 65 Resp: 178255

Ion Ratio Lower Upper

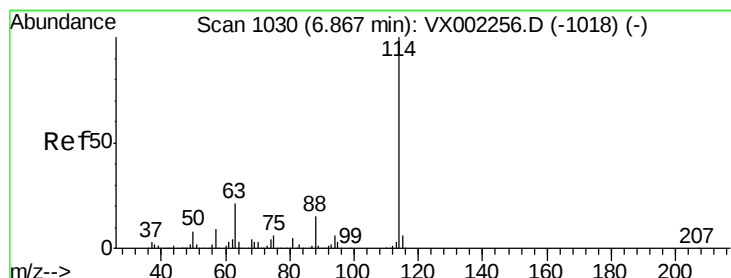
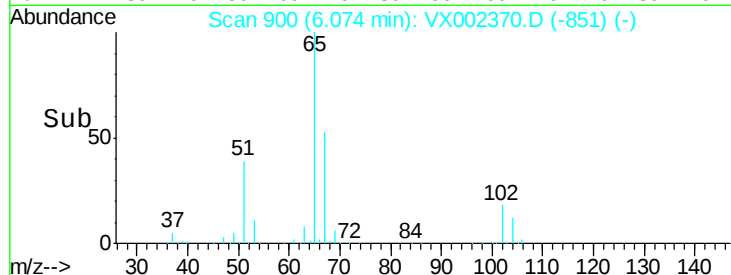
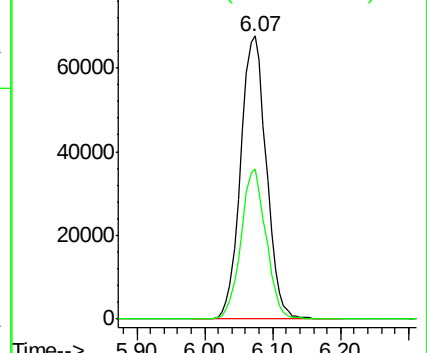
65 100

67 51.4 0.0 102.6



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# 1030

Delta R.T. -0.00 min

Lab File: VX002370.D

Acq: 07 Jun 2018 11:54

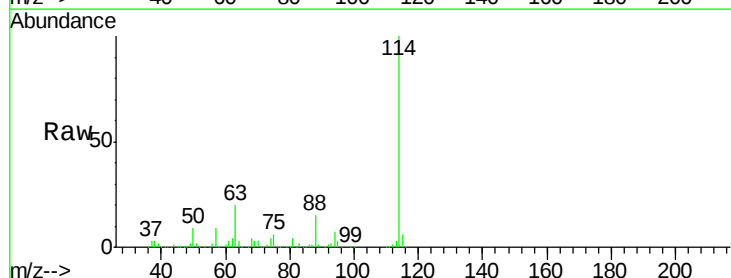
Tgt Ion: 114 Resp: 372248

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

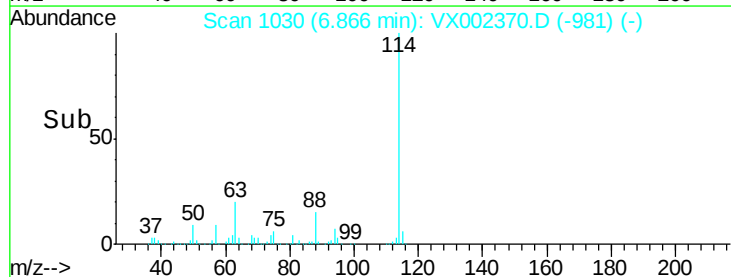
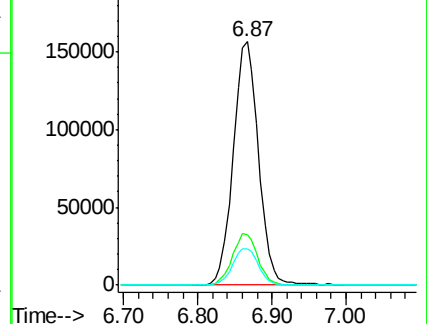
88 14.7 0.0 30.0

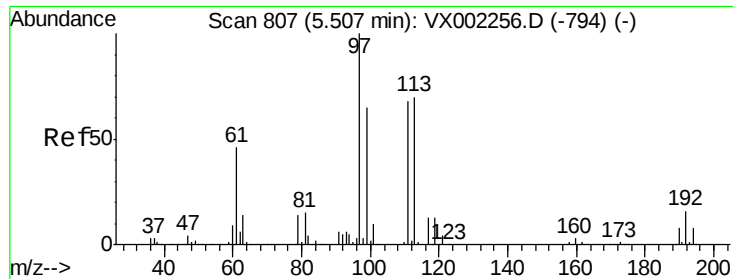


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

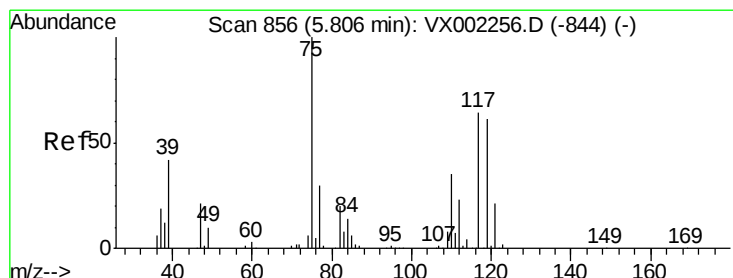
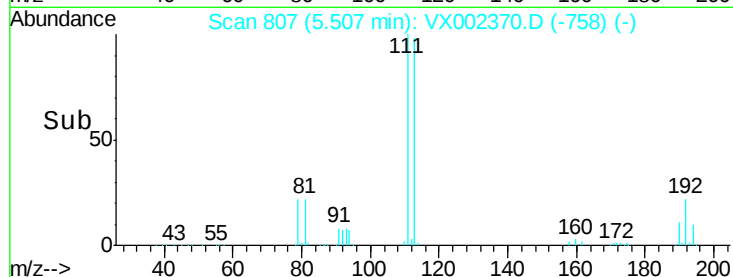
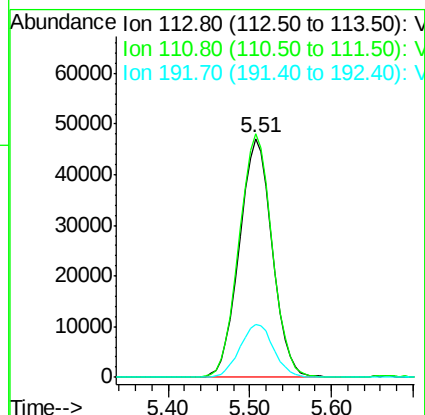
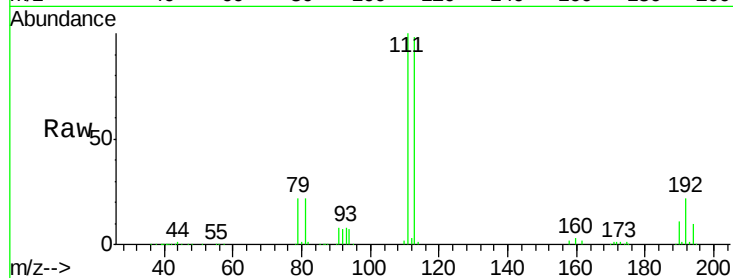




#35
Dibromofluoromethane
Concen: 45.021 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

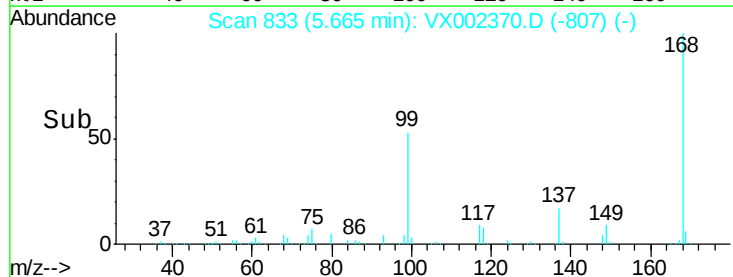
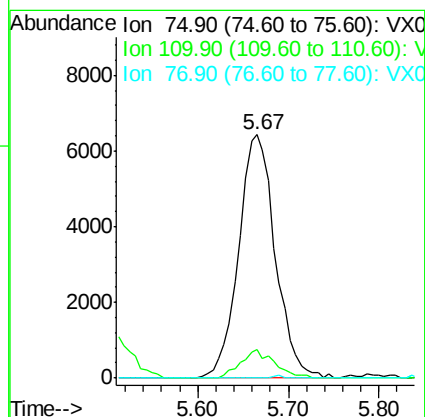
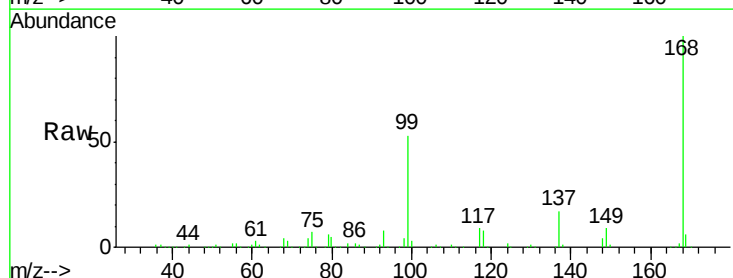
Instrument :
MSVOA_X
ClientSampleId :
VX0607MBL01

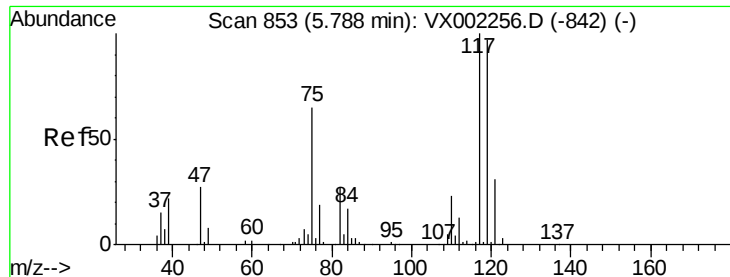
Tot Ion:113 Resp: 131794
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 22.8 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.14 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Tgt Ion: 75 Resp: 17963
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.4#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.804 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002370.D

Acq: 07 Jun 2018 11:54

Instrument :

MSVOA_X

ClientSampleId :

VX0607MBL01

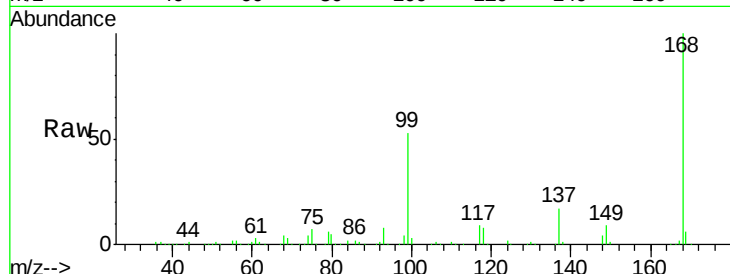
Tot Ion:117 Resp: 23760

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.0#

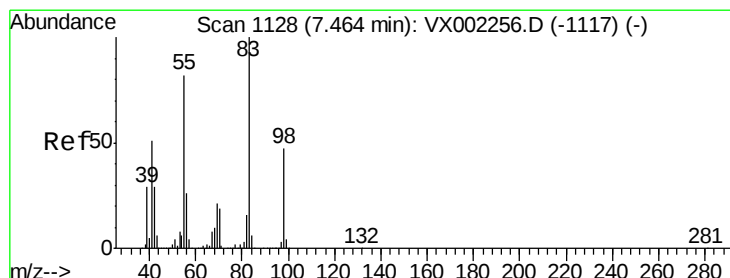
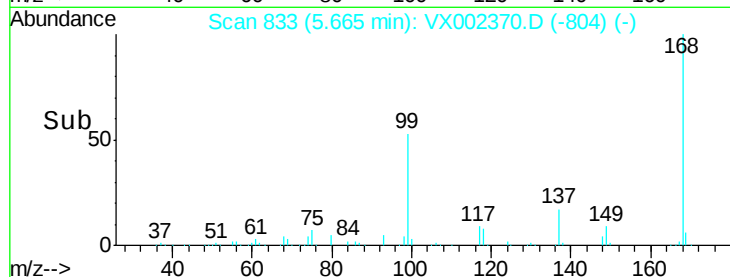
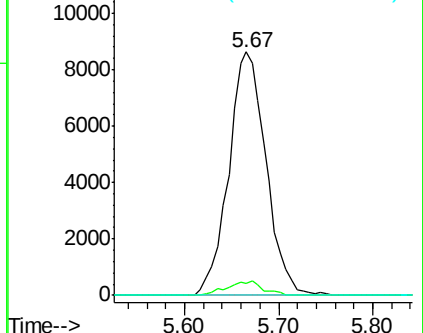
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.267 ug/l

RT: 7.70 min Scan# 1166

Delta R.T. 0.23 min

Lab File: VX002370.D

Acq: 07 Jun 2018 11:54

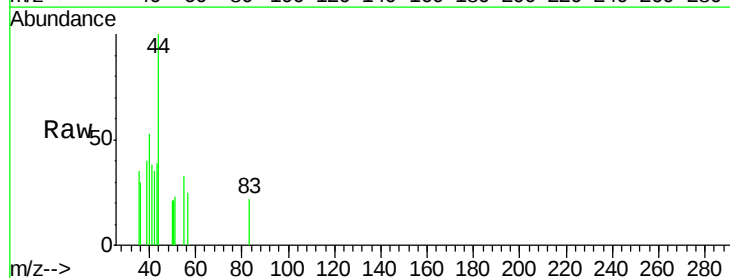
Tgt Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

55 148.2 65.4 98.0#

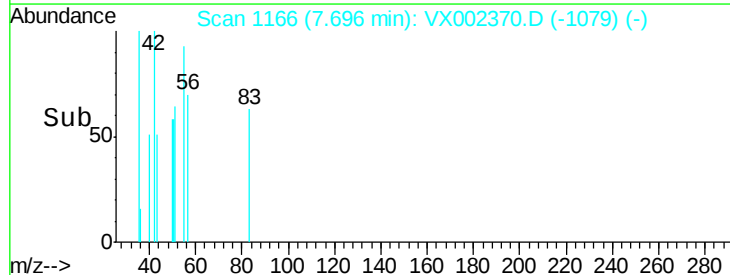
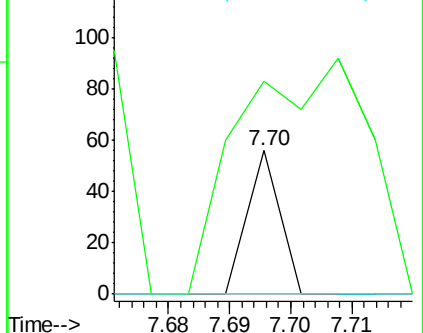
98 0.0 37.4 56.0#

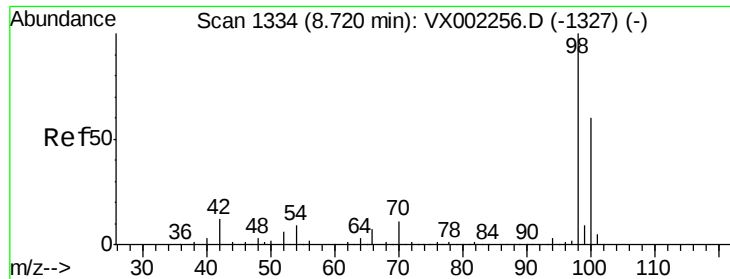


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

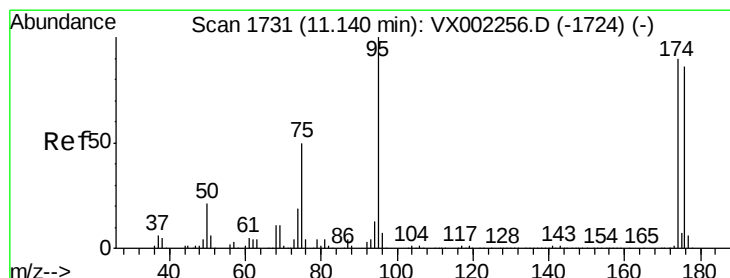
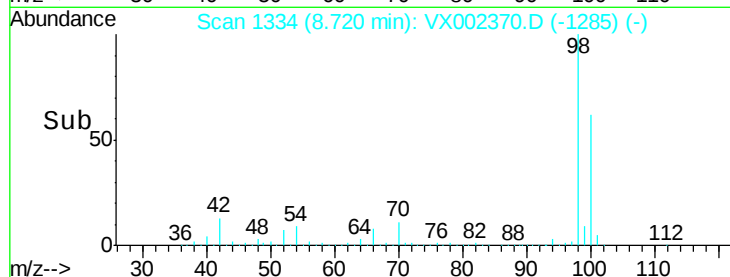
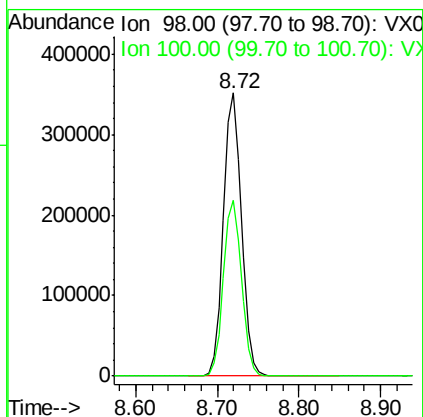
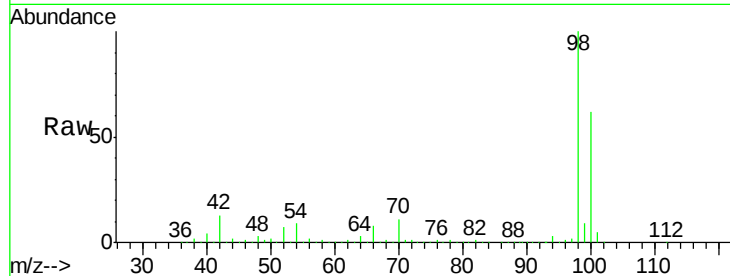




#50
Toluene-d8
Concen: 48.164 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

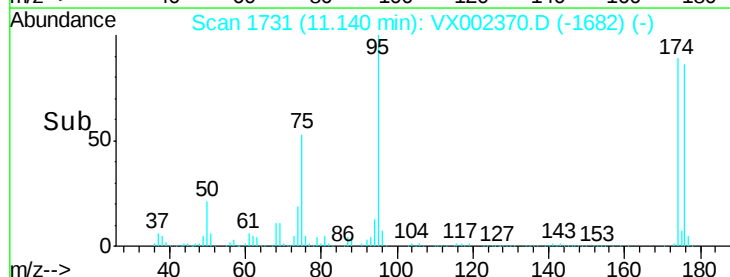
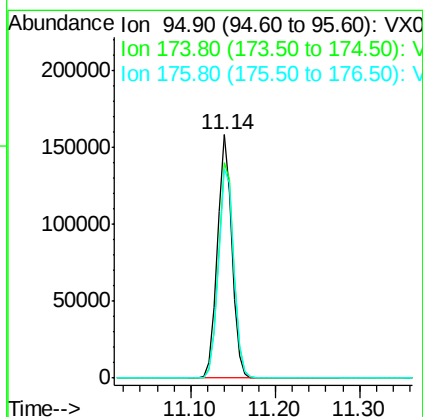
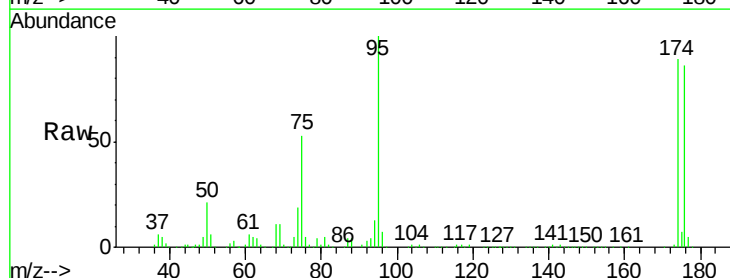
Instrument :
MSVOA_X
ClientSampleId :
VX0607MBL01

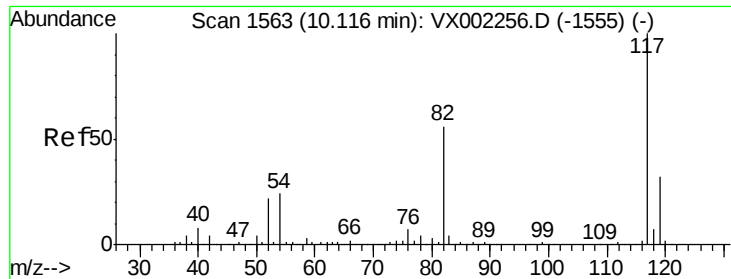
Tot Ion: 98 Resp: 540421
Ion Ratio Lower Upper
98 100
100 62.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.632 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Tgt Ion: 95 Resp: 188788
Ion Ratio Lower Upper
95 100
174 93.8 0.0 187.4
176 91.0 0.0 181.0

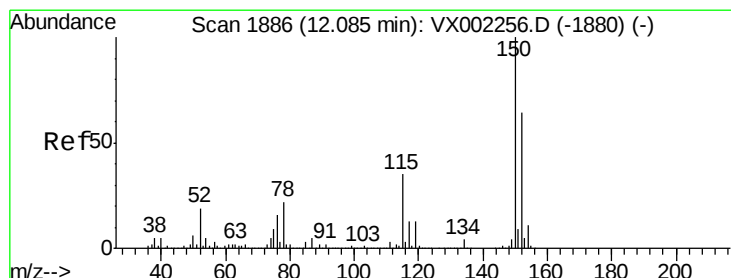
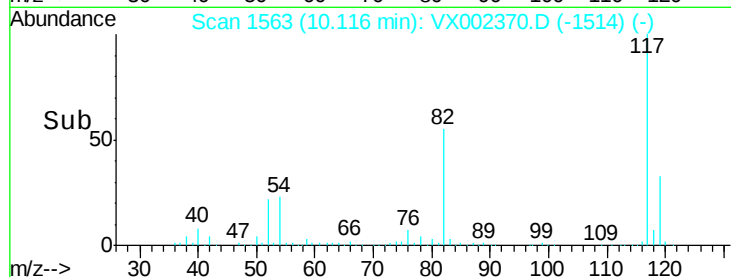
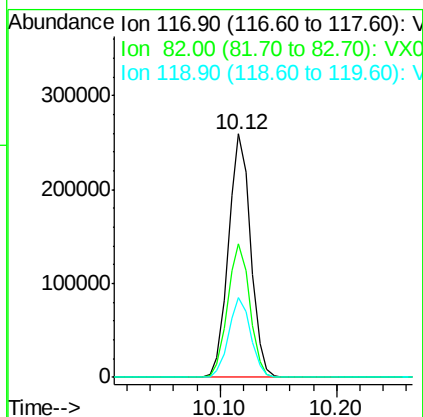
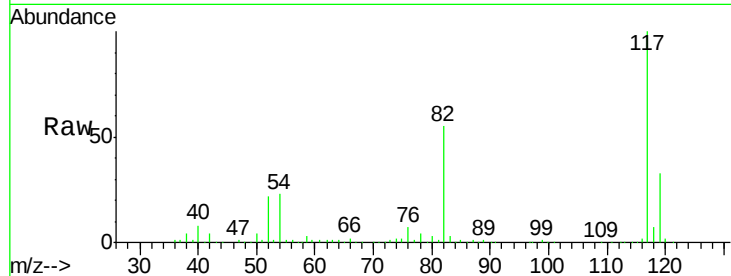




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

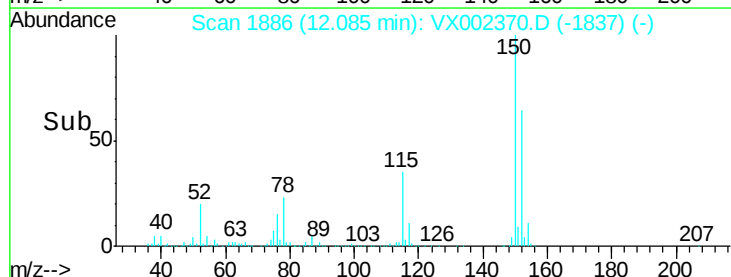
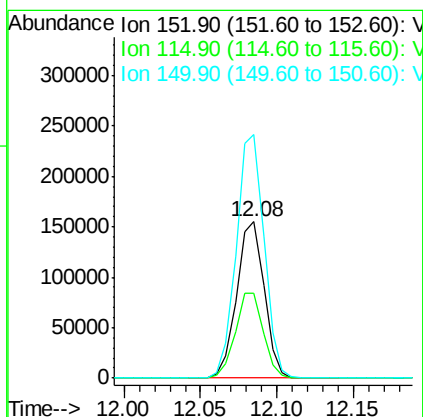
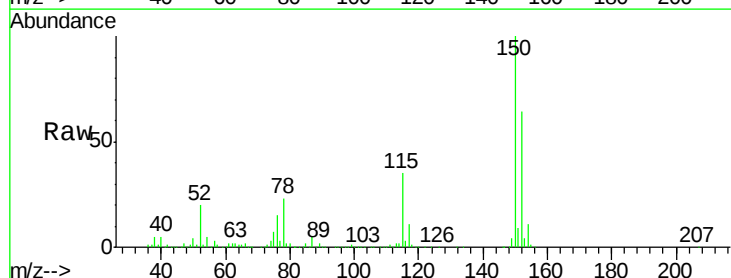
Instrument :
MSVOA_X
ClientSampleId :
VX0607MBL01

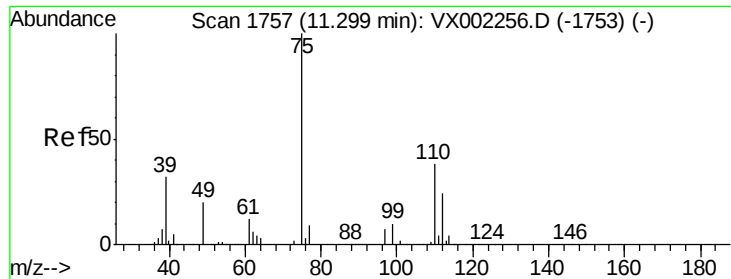
Tot Ion:117 Resp: 343739
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.4
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002370.D
Acq: 07 Jun 2018 11:54

Tgt Ion:152 Resp: 193289
Ion Ratio Lower Upper
152 100
115 55.3 40.1 120.2
150 157.3 0.0 347.2

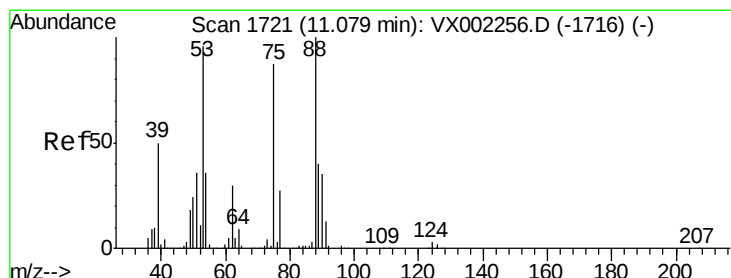
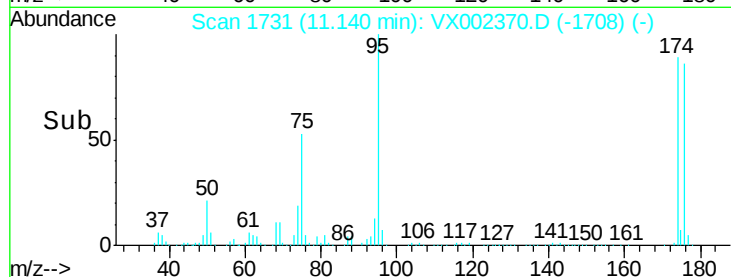
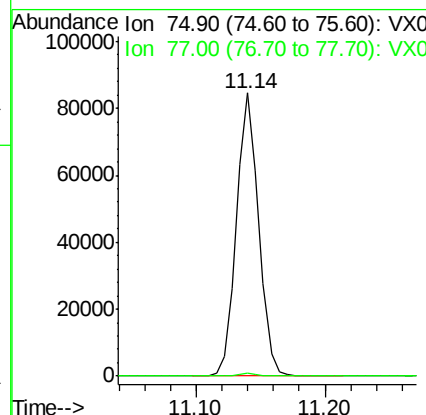
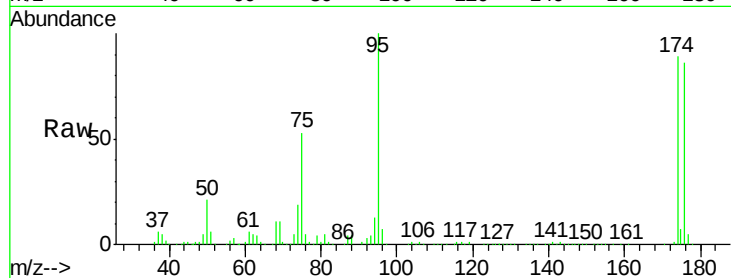




#76
 1,2,3-Trichloropropane
 Concen: 24.091 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002370.D
 Acq: 07 Jun 2018 11:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0607MBL01

Tot Ion: 75 Resp: 102175
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.446 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002370.D
 Acq: 07 Jun 2018 11:54

Tgt Ion: 75 Resp: 102175
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#

