

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002344.D
 Acq On : 06 Jun 2018 11:05
 Operator : JC/MD
 Sample : VX0606WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBL01

Quant Time: Jun 07 03:19:33 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	235857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	350031	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	177615	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	191887	57.41	ug/l	0.00
Spiked Amount			Recovery	=	114.82%	
35) Dibromofluoromethane	5.51	113	143093	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
50) Toluene-d8	8.72	98	580834	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
62) 4-Bromofluorobenzene	11.14	95	200050	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

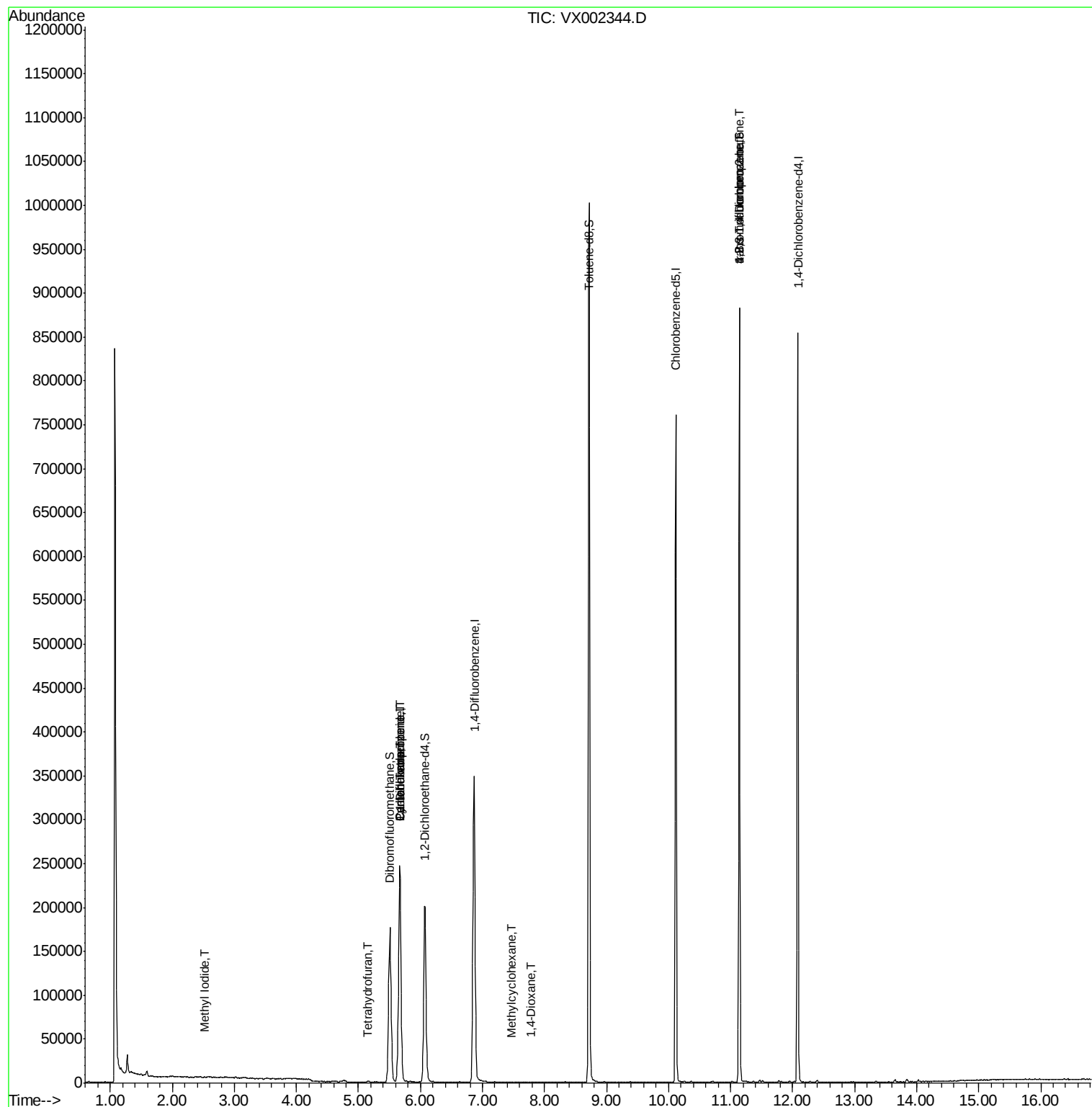
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	200	Below Cal	#	84
5) Bromomethane	1.67	94	665	Below Cal	#	79
8) Diethyl Ether	2.18	74	23	Below Cal	#	1
10) Methyl Iodide	2.53	142	772	0.22	ug/l	97
11) Tert butyl alcohol	3.03	59	700	Below Cal	#	83
13) Acrolein	2.29	56	143	Below Cal	#	51
15) Acrylonitrile	3.15	53	780	Below Cal	#	91
16) Acetone	2.45	43	744	Below Cal	#	75
18) Methyl Acetate	2.78	43	180	Below Cal	#	1
19) Methyl tert-butyl Ether	3.20	73	95	Below Cal	#	54
20) Methylene Chloride	2.86	84	492	Below Cal	#	90
22) Diisopropyl ether	3.87	45	147	Below Cal	#	70
28) Bromochloromethane	5.03	49	71	Below Cal	#	13
29) Tetrahydrofuran	5.14	42	998	0.67	ug/l	52
31) Cyclohexane	5.67	56	5514	1.29	ug/l	1
36) 1,1-Dichloropropene	5.67	75	16785	4.56	ug/l	51
38) Carbon Tetrachloride	5.67	117	22068	5.73	ug/l	15
39) Methylcyclohexane	7.48	83	48	0.27	ug/l	16
49) 1,4-Dioxane	7.79	88	19	0.27	ug/l	1
76) 1,2,3-Trichloropropane	11.14	75	107979	27.71	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	107979	97.12	ug/l	6

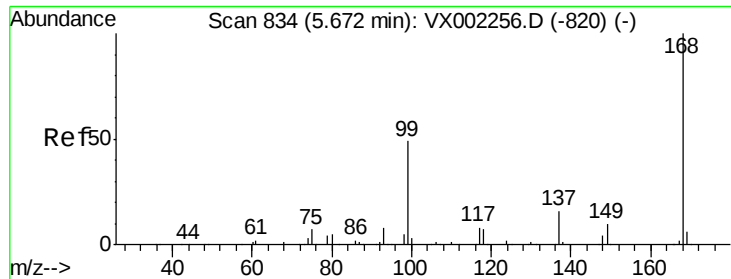
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

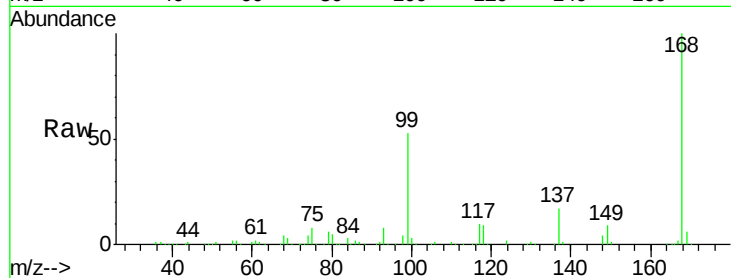
VX0606WBL01

Tot Ion:168 Resp: 235857

Ion Ratio Lower Upper

168 100

99 53.1 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

80000

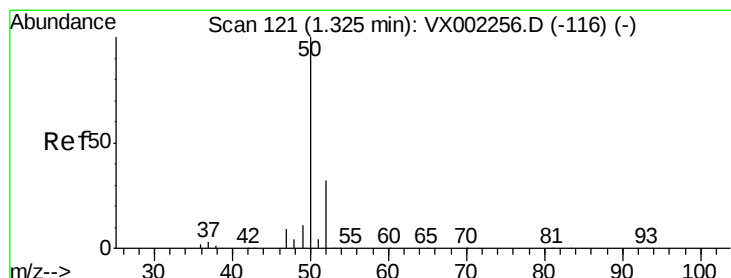
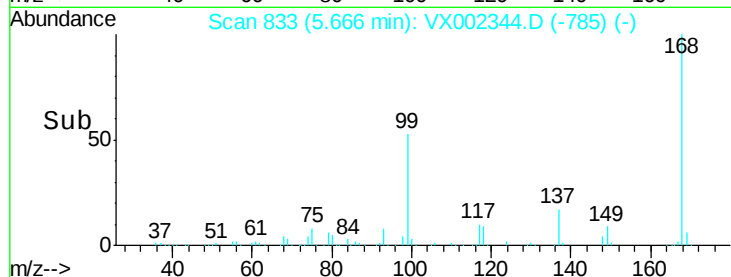
60000

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: VX002344.D

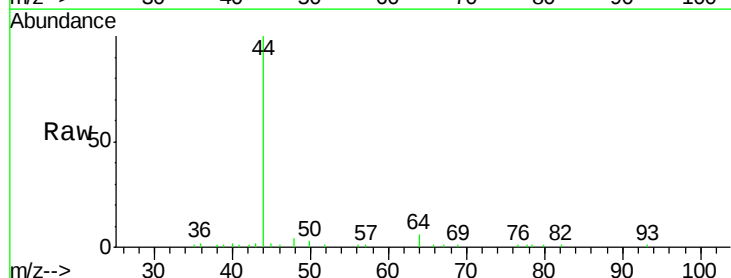
Acq: 06 Jun 2018 11:05

Tgt Ion: 50 Resp: 200

Ion Ratio Lower Upper

50 100

52 40.9 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

300

250

200

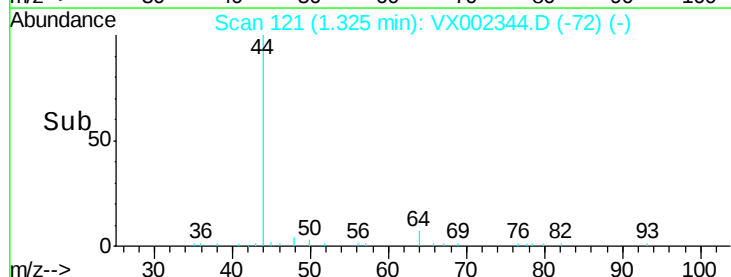
150

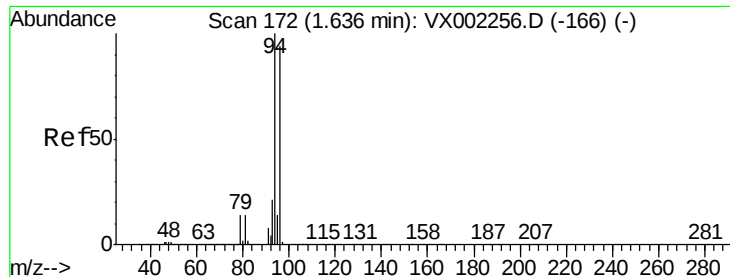
100

50

0

Time--> 1.30 1.32 1.34





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampled :

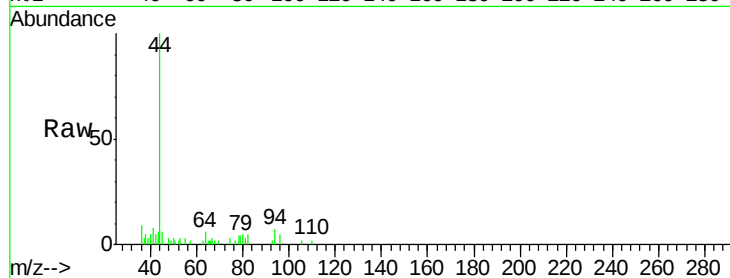
VX0606WBL01

Tot Ion: 94 Resp: 665

Ion Ratio Lower Upper

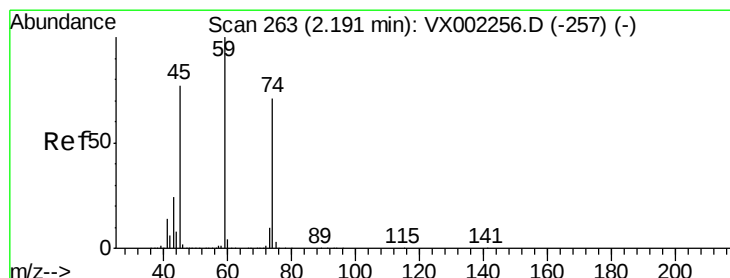
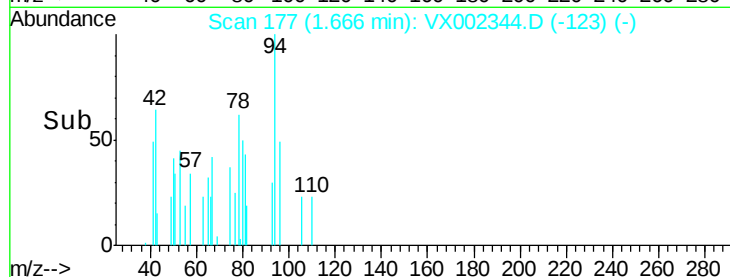
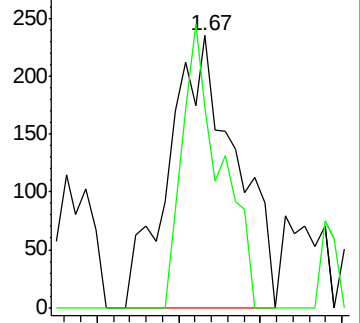
94 100

96 73.6 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: 2.18 min Scan# 261

Delta R.T. -0.01 min

Lab File: VX002344.D

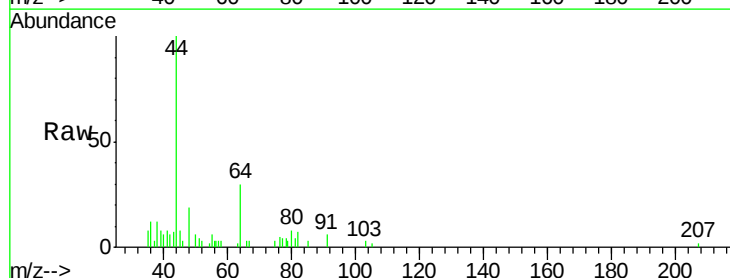
Acq: 06 Jun 2018 11:05

Tgt Ion: 74 Resp: 23

Ion Ratio Lower Upper

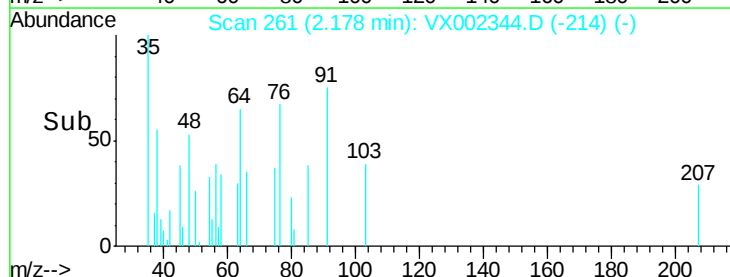
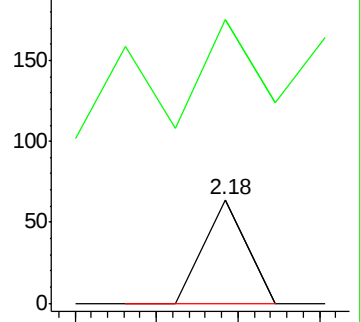
74 100

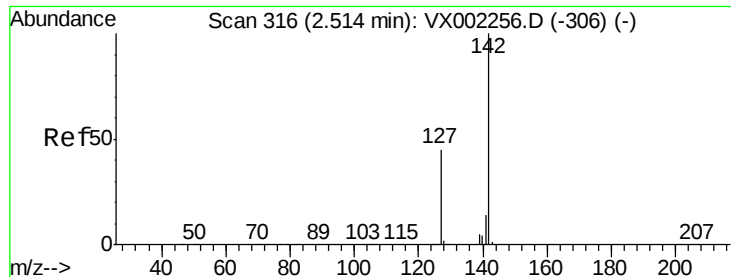
45 513.0 53.1 159.4#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

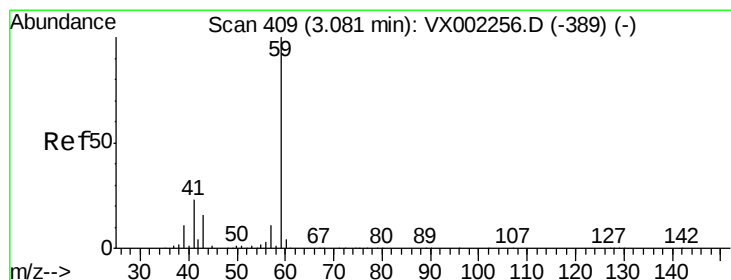
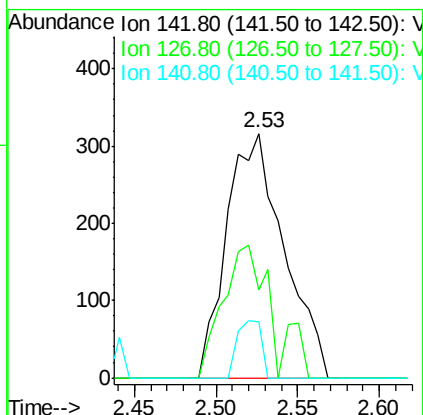
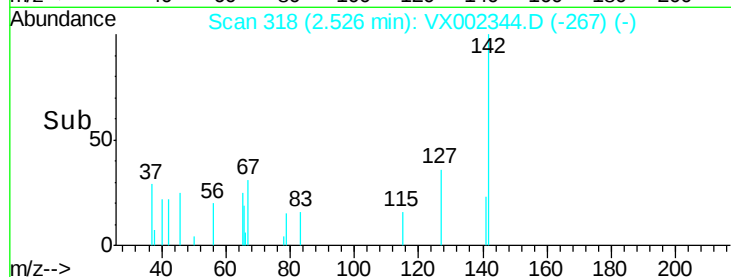
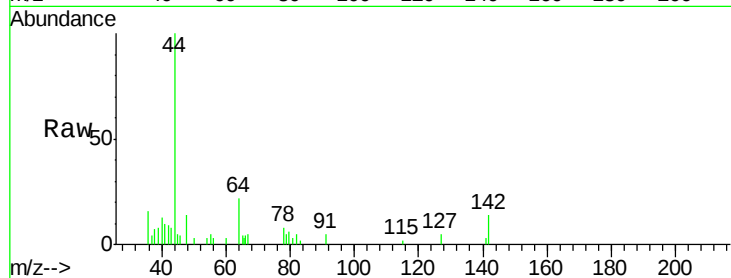




#10
Methyl Iodide
Concen: 0.22 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

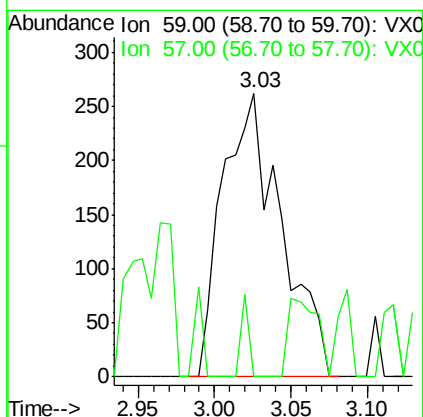
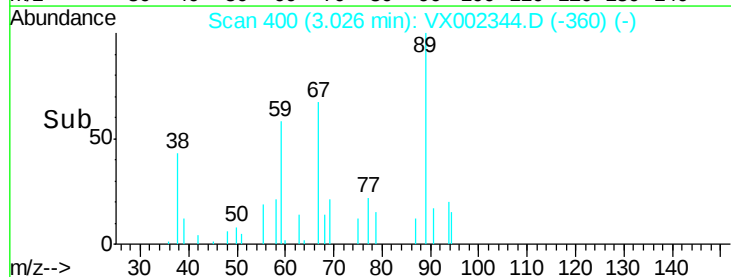
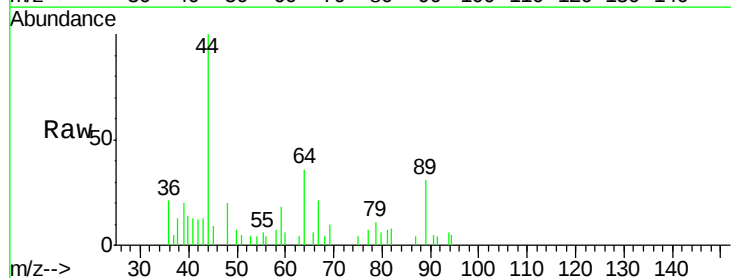
Instrument :
MSVOA_X
ClientSampled :
VX0606WBL01

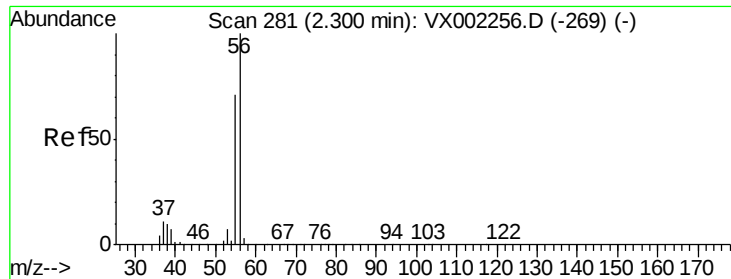
Tot Ion:142 Resp: 772
Ion Ratio Lower Upper
142 100
127 46.4 36.6 55.0
141 9.8 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 4.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

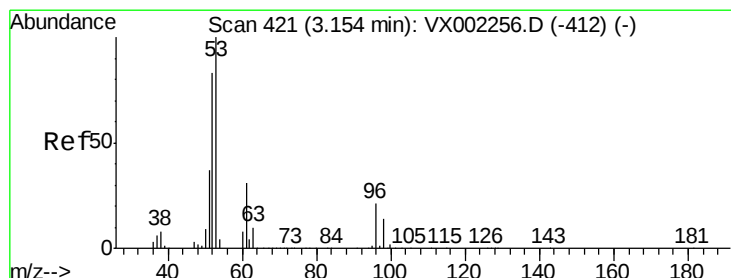
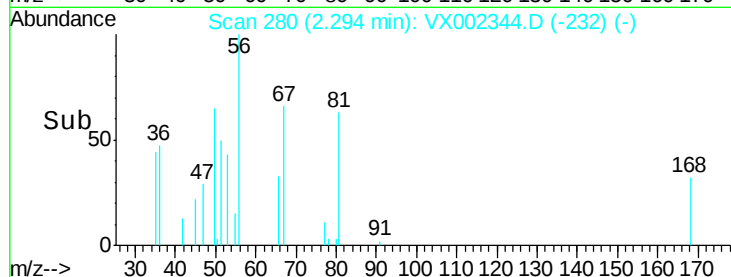
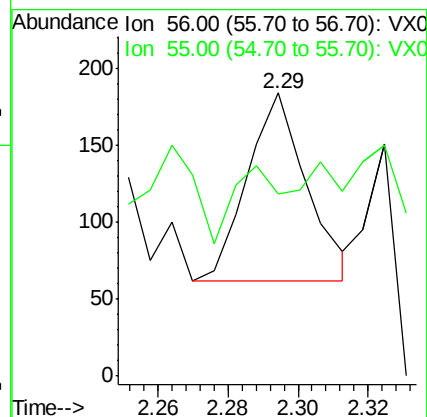
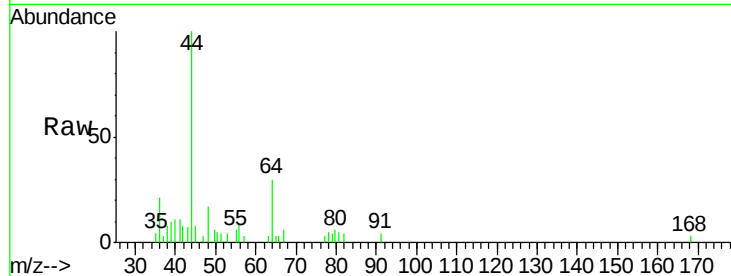
VX0606WBL01

Tot Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 30.8 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

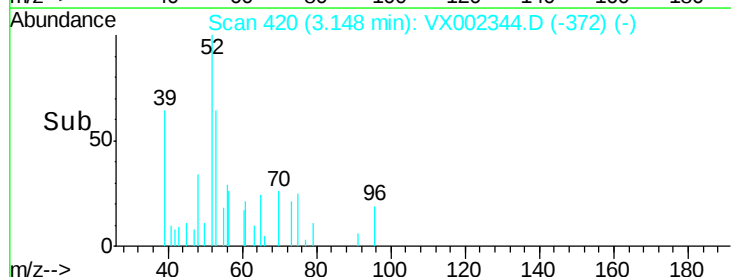
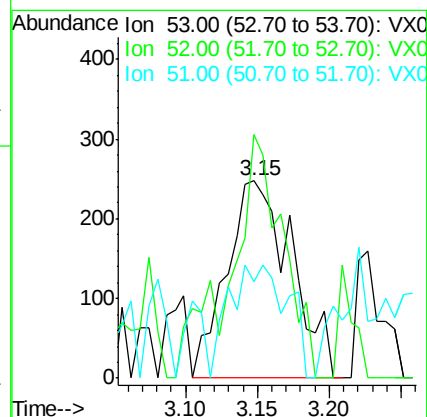
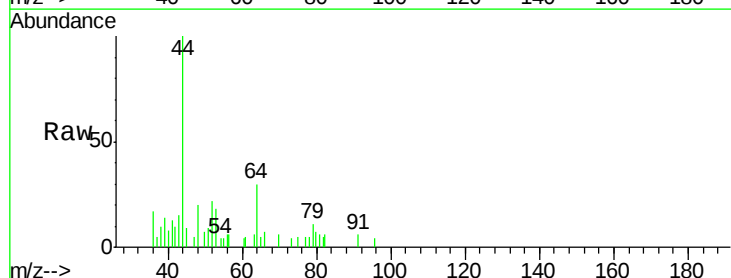
Tgt Ion: 53 Resp: 780

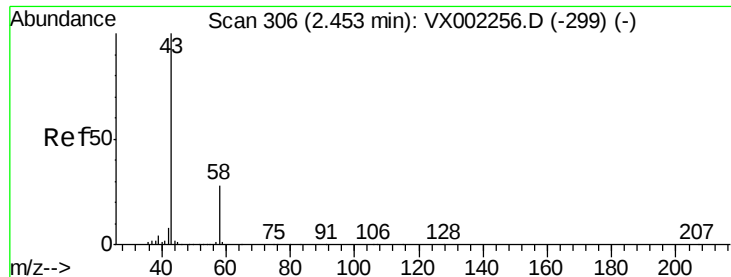
Ion Ratio Lower Upper

53 100

52 81.4 66.7 100.1

51 51.5 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

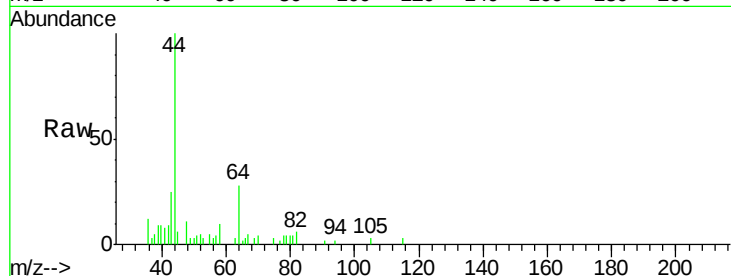
VX0606WBL01

Tot Ion: 43 Resp: 744

Ion Ratio Lower Upper

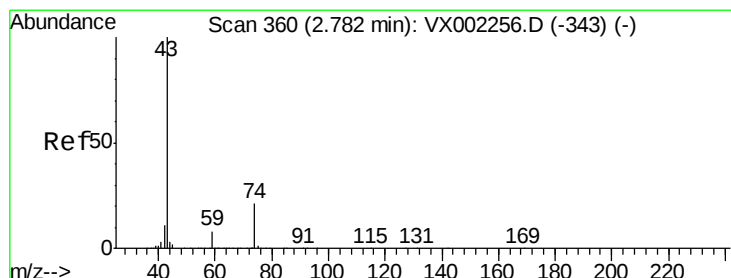
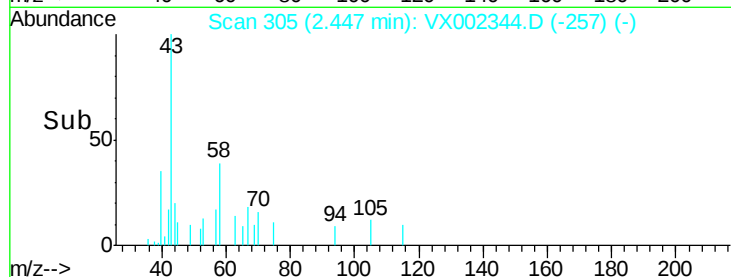
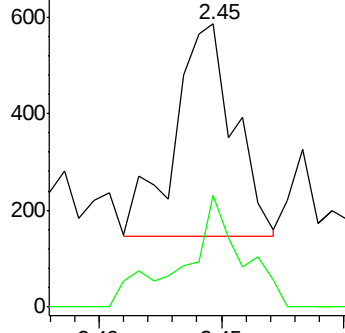
43 100

58 40.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002344.D

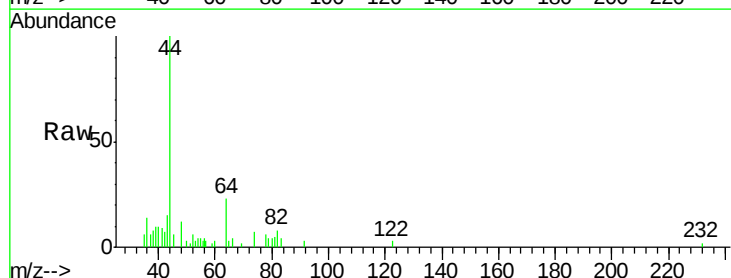
Acq: 06 Jun 2018 11:05

Tgt Ion: 43 Resp: 180

Ion Ratio Lower Upper

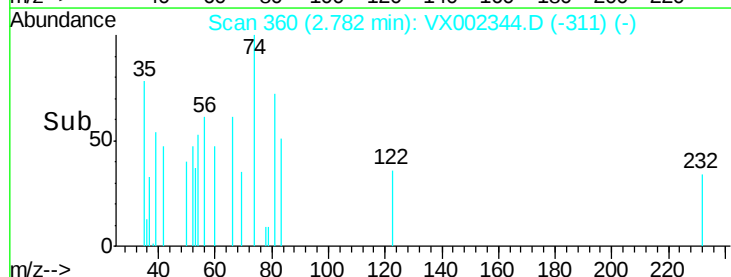
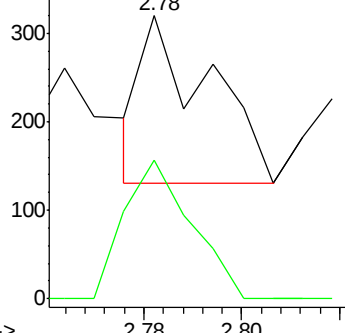
43 100

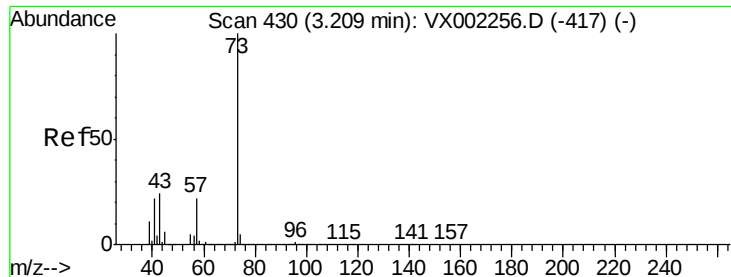
74 82.2 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



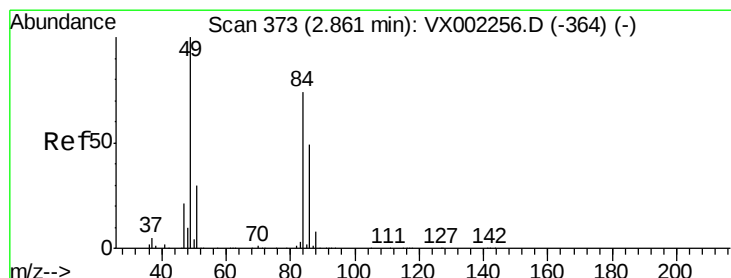
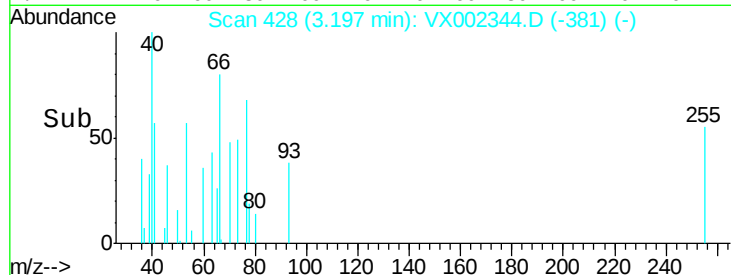
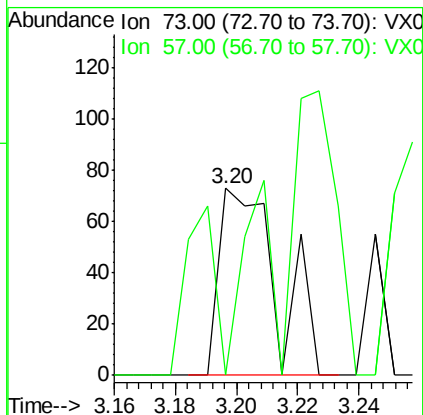
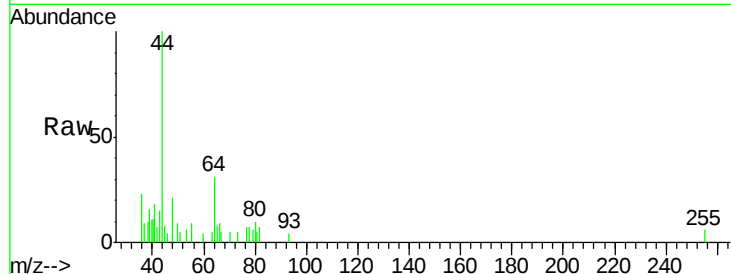


#19

Methyl tert-butyl Ether
 Concen: Below Cal
 RT: 3.20 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VX002344.D
 Acq: 06 Jun 2018 11:05

Instrument :
 MSVOA_X
 ClientSampled :
 VX0606WBL01

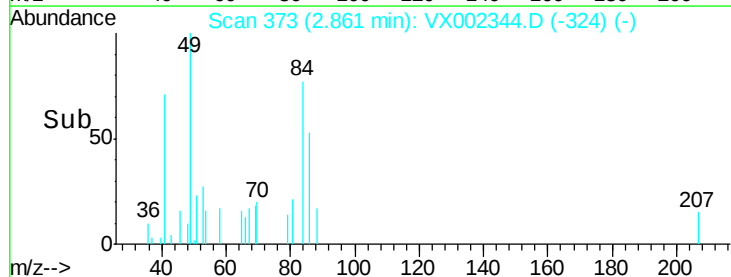
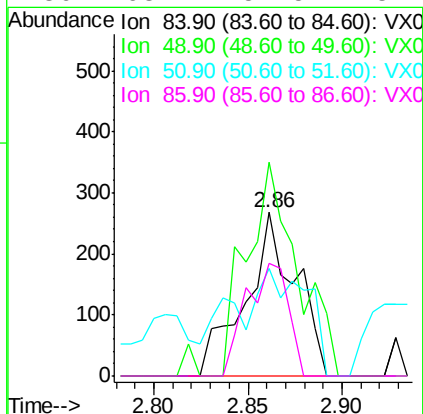
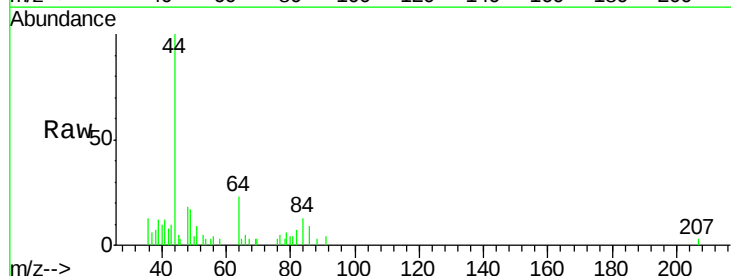
Tot Ion: 73 Resp: 95
 Ion Ratio Lower Upper
 73 100
 57 0.0 17.7 26.5#

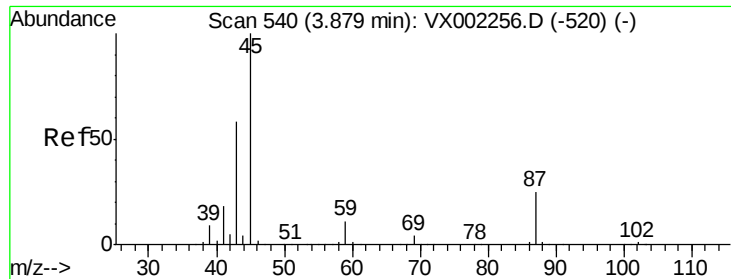


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002344.D
 Acq: 06 Jun 2018 11:05

Tgt Ion: 84 Resp: 492
 Ion Ratio Lower Upper
 84 100
 49 130.6 107.8 161.6
 51 65.3 32.8 49.2#
 86 68.7 52.5 78.7



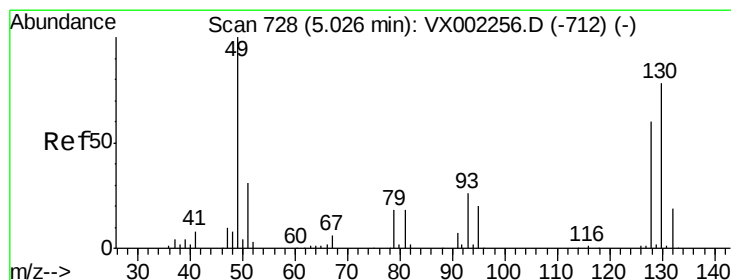
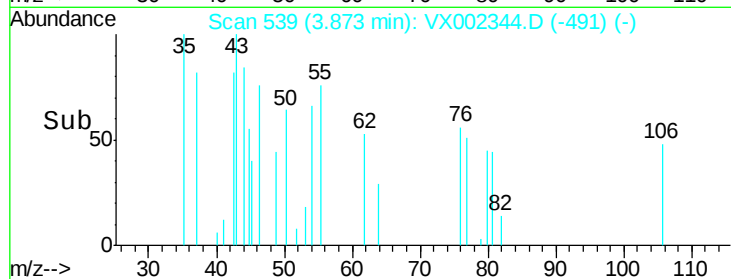
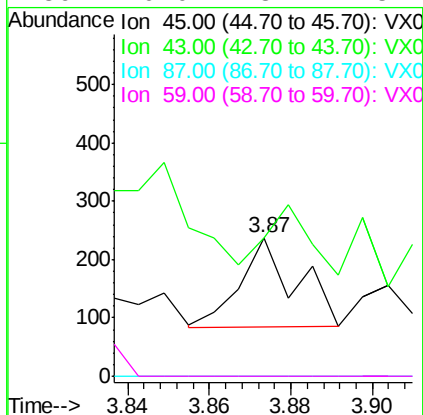
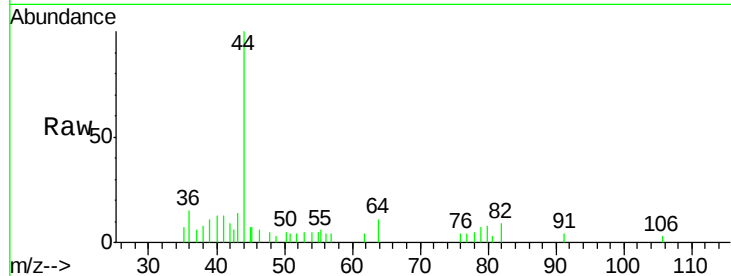


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

Instrument :
MSVOA_X
ClientSampled :
VX0606WBL01

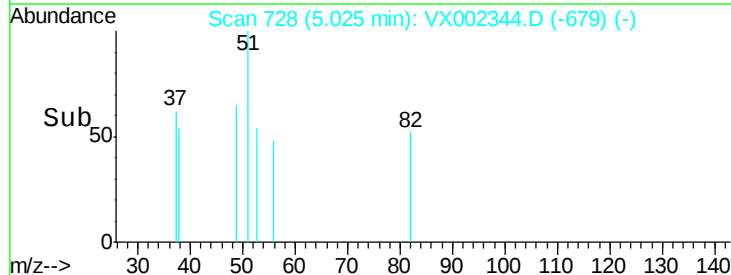
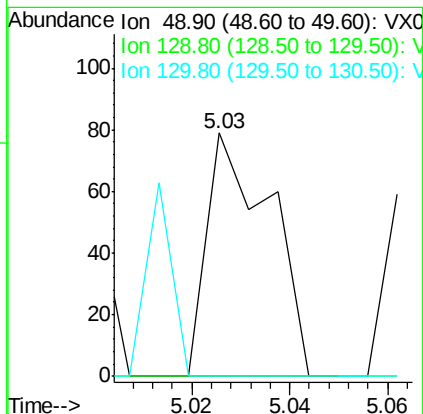
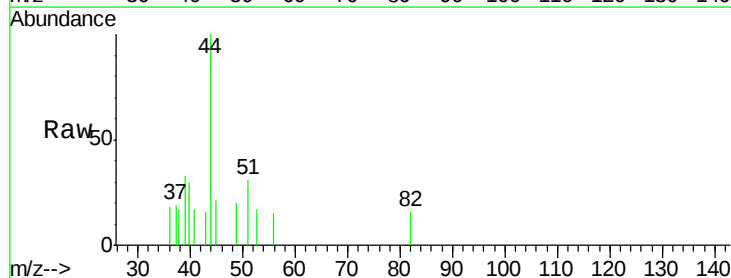
Tot Ion: 45 Resp: 147
Ion Ratio Lower Upper
45 100
43 42.0 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#

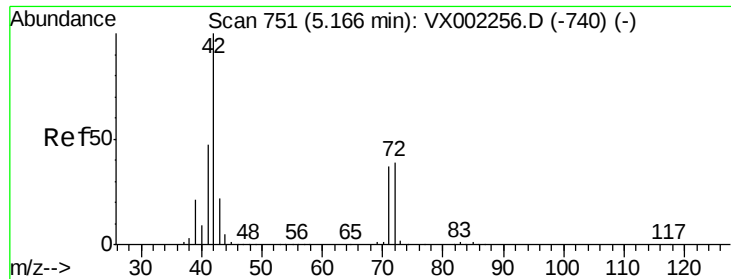


#28

Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

Tgt Ion: 49 Resp: 71
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 61.2 91.8#

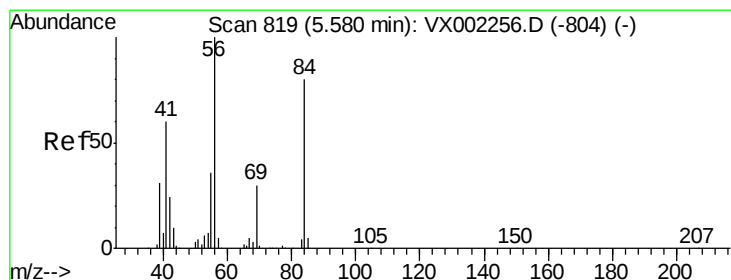
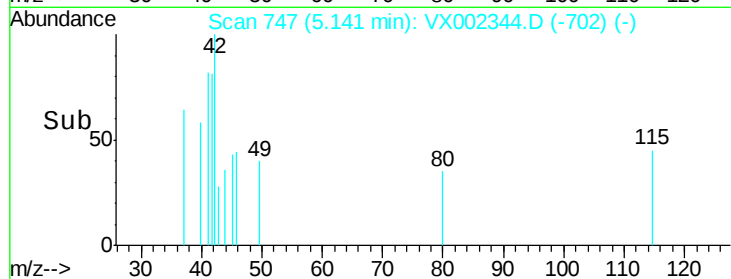
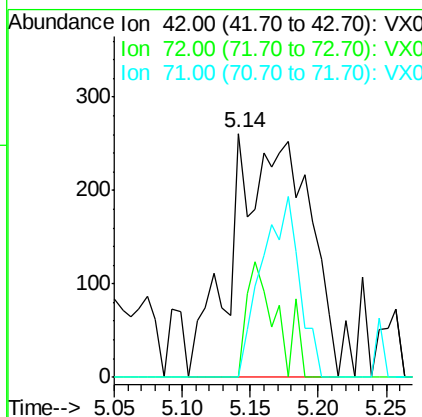
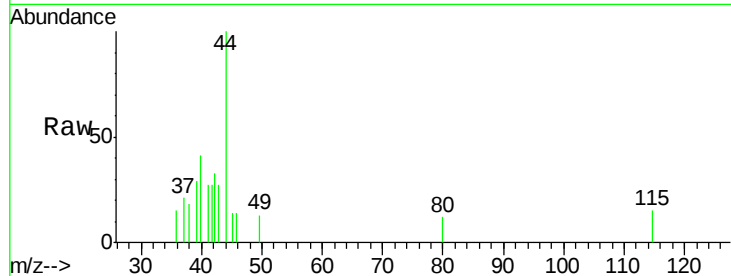




#29
Tetrahydrofuran
Concen: 0.67 ug/l
RT: 5.14 min Scan# 747
Delta R.T. -0.02 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

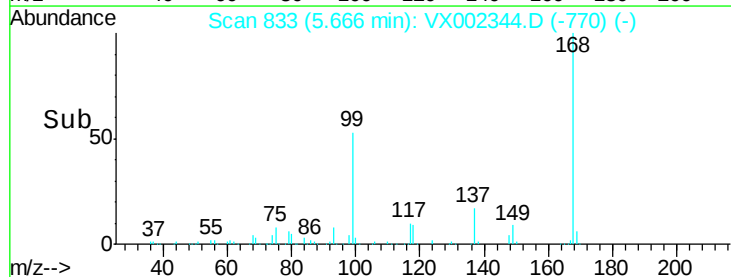
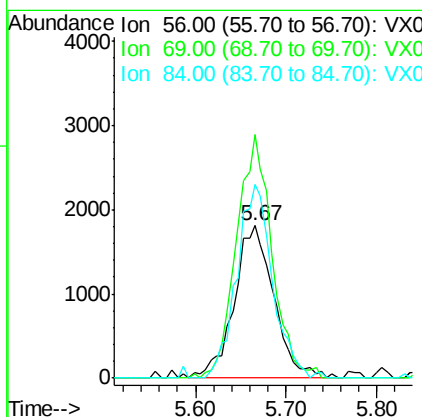
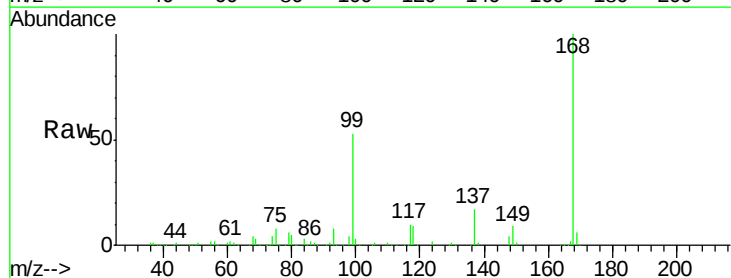
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL01

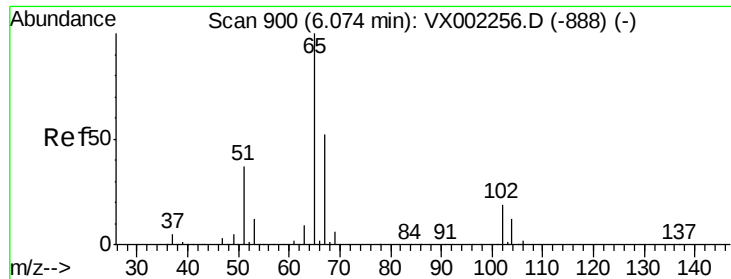
Tot Ion: 42 Resp: 998
Ion Ratio Lower Upper
42 100
72 19.0 32.0 48.0#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: 1.29 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

Tgt Ion: 56 Resp: 5514
Ion Ratio Lower Upper
56 100
69 159.7 23.7 35.5#
84 136.1 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 57.41 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

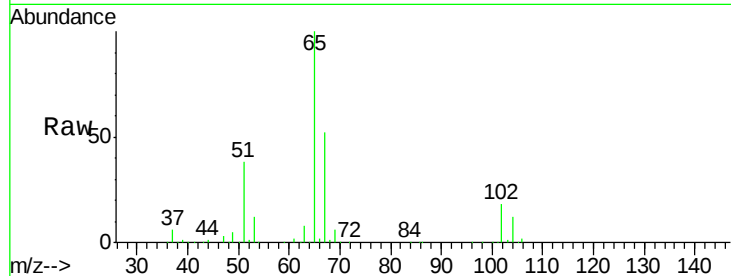
VX0606WBL01

Tot Ion: 65 Resp: 191887

Ion Ratio Lower Upper

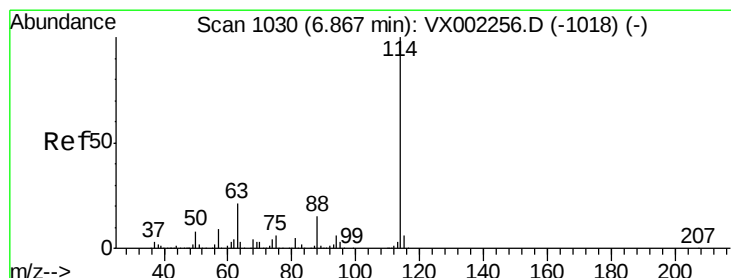
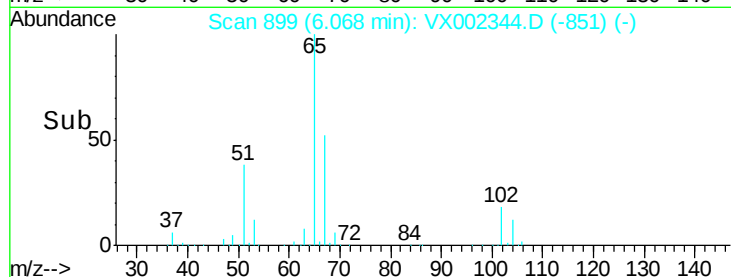
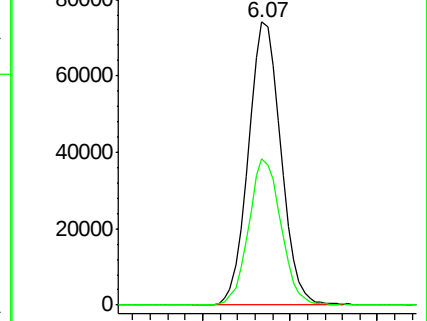
65 100

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: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

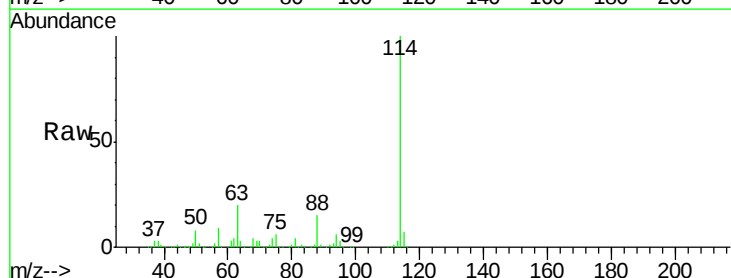
Tgt Ion: 114 Resp: 350031

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

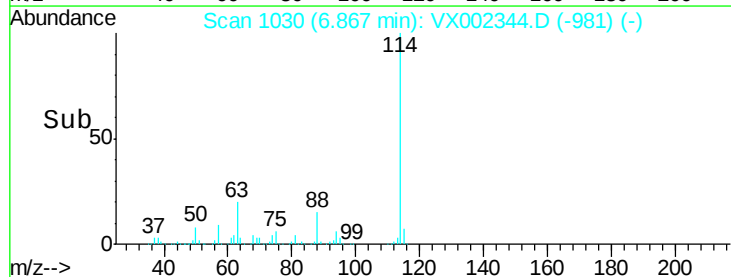
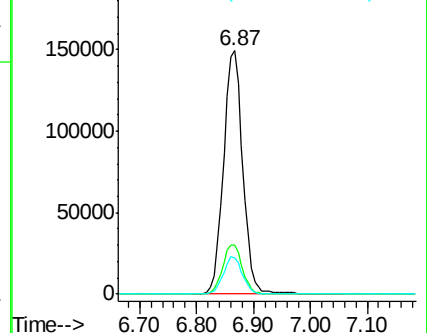
88 14.7 0.0 30.0

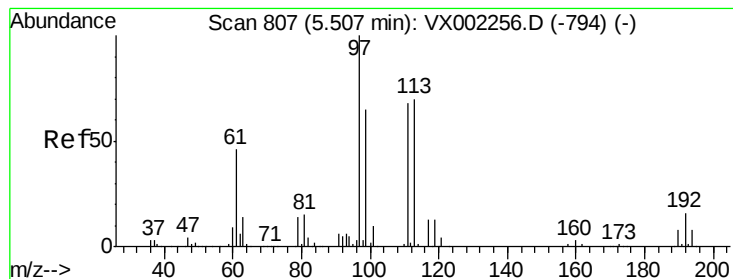


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.98 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBL01

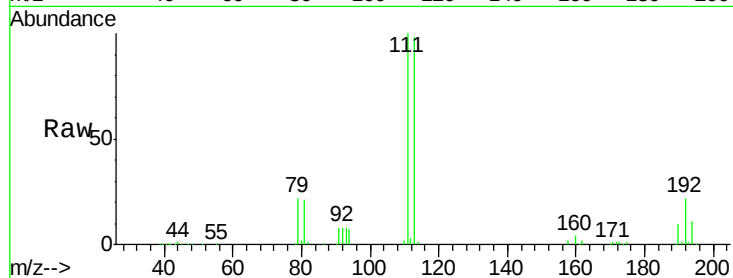
Tot Ion:113 Resp: 143093

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

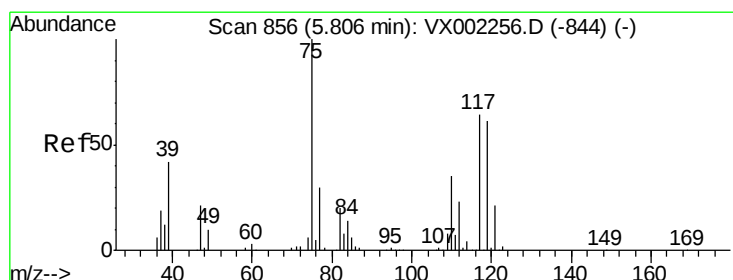
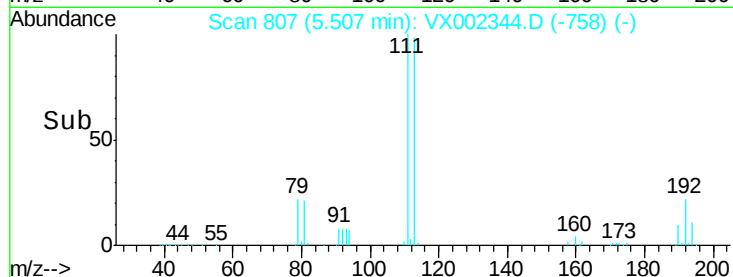
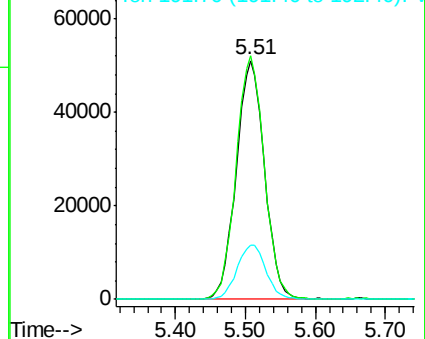
192 23.3 19.1 28.7



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: 4.56 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

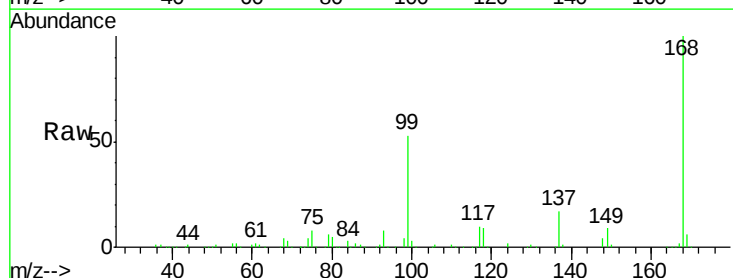
Tgt Ion: 75 Resp: 16785

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

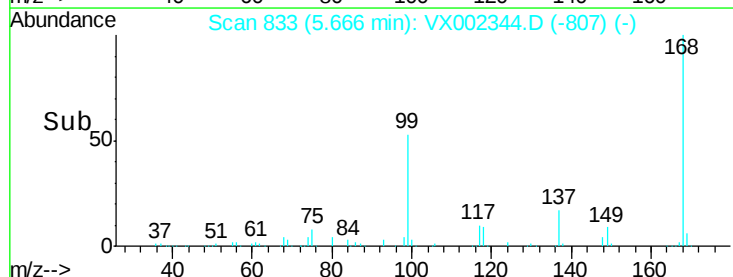
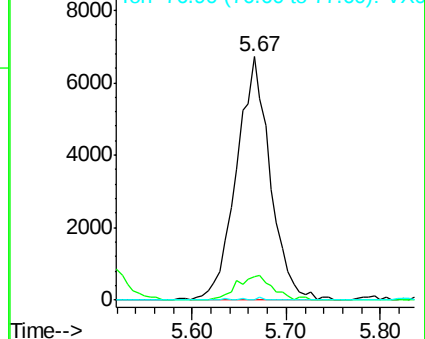
77 0.1 24.3 36.5#

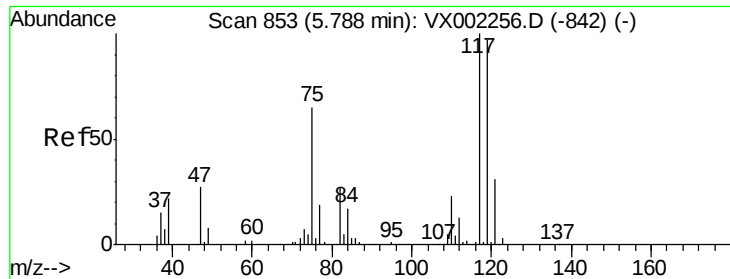


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

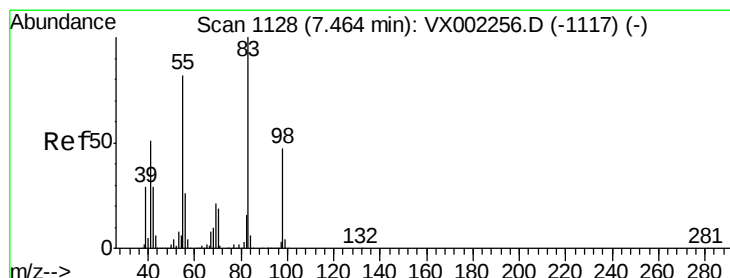
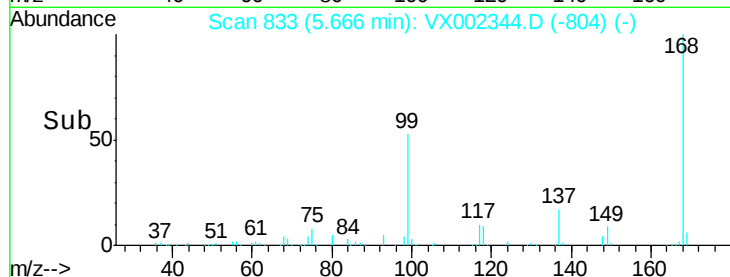
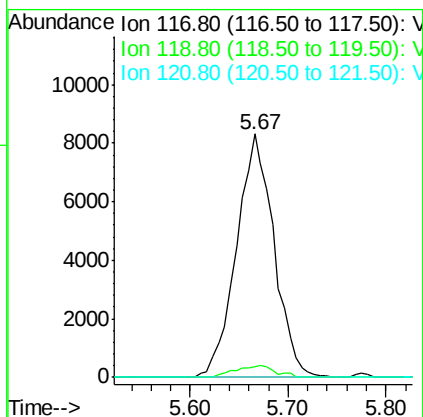
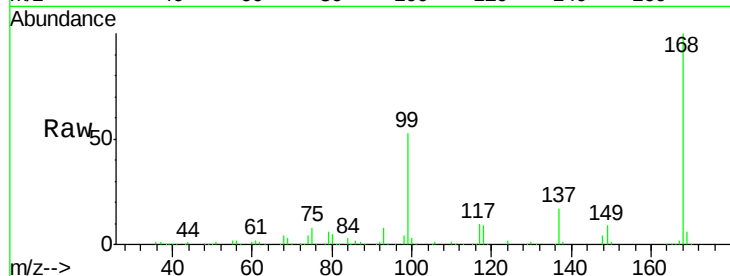




#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

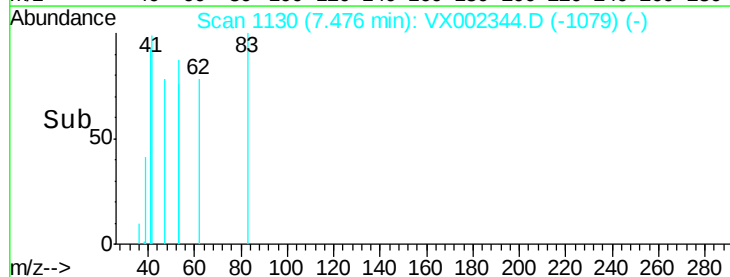
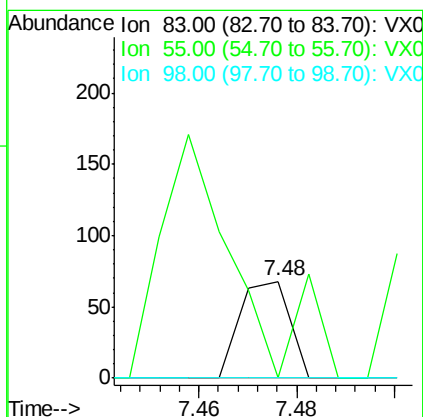
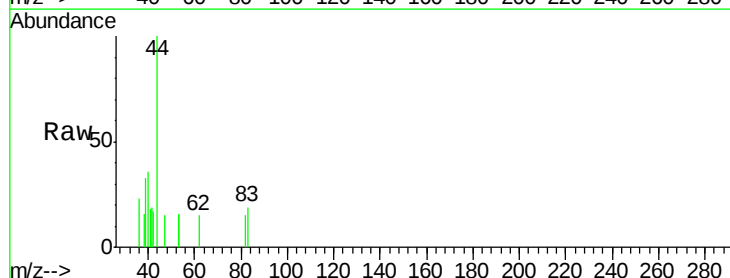
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL01

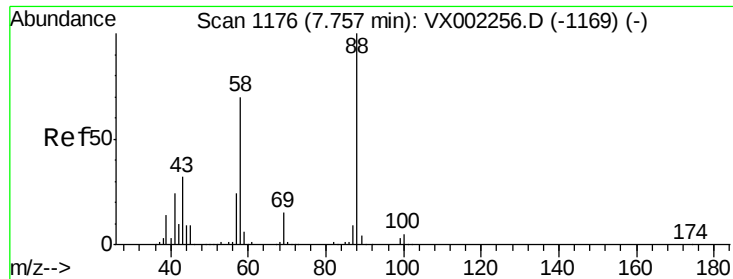
Tot Ion:117 Resp: 22068
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.27 ug/l
RT: 7.48 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

Tgt Ion: 83 Resp: 48
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 37.4 56.0#

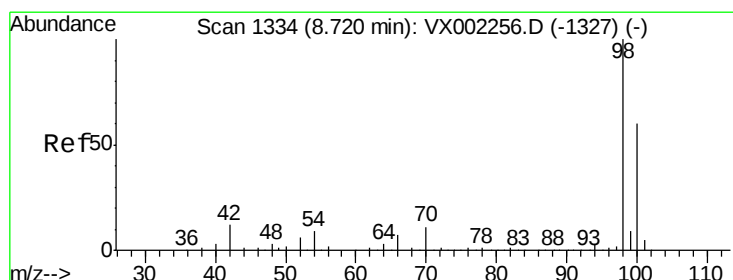
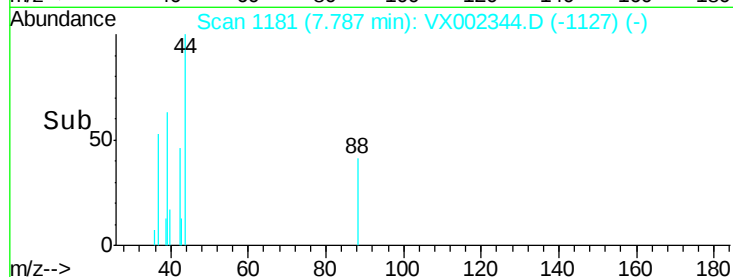
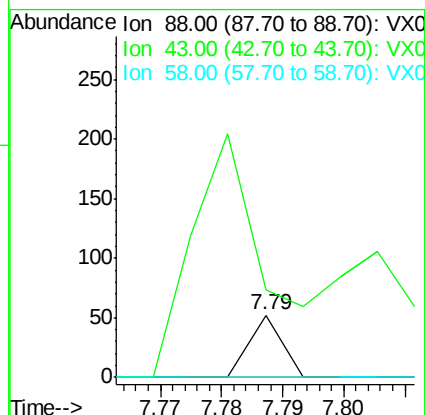
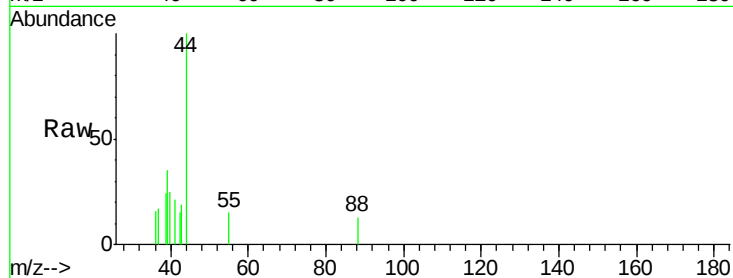




#49
1,4-Dioxane
Concen: 0.27 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.03 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

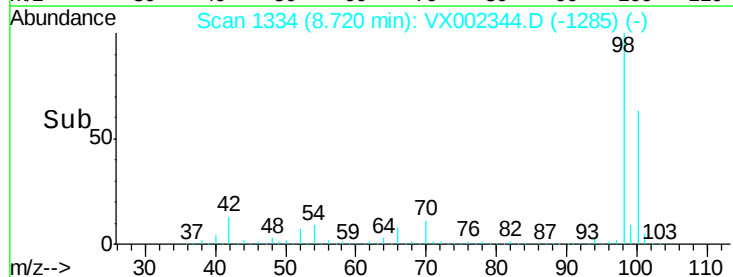
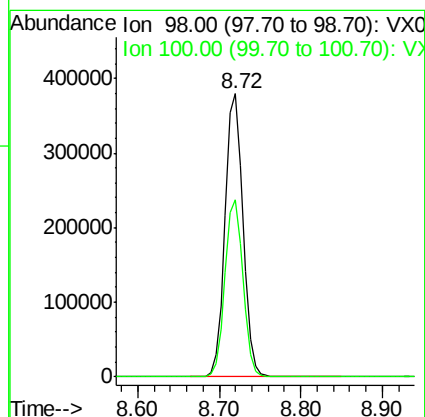
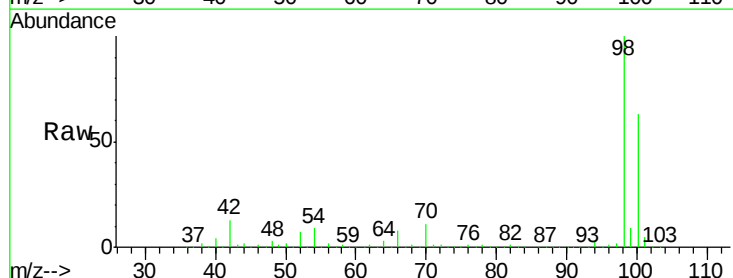
Instrument :
MSVOA_X
ClientSampled :
VX0606WBL01

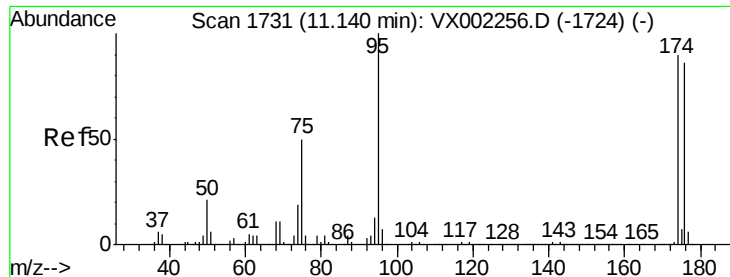
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 873.7 29.8 44.6#
58 0.0 57.1 85.7#



#50
Toluene-d8
Concen: 55.05 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

Tgt Ion: 98 Resp: 580834
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3

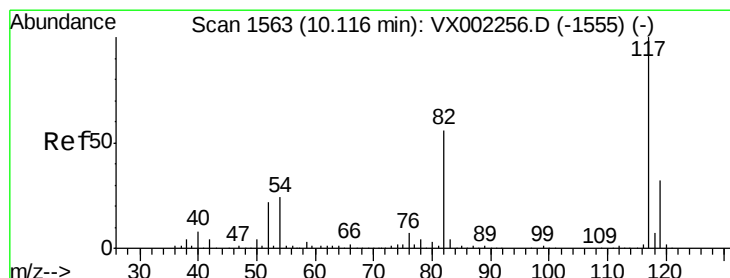
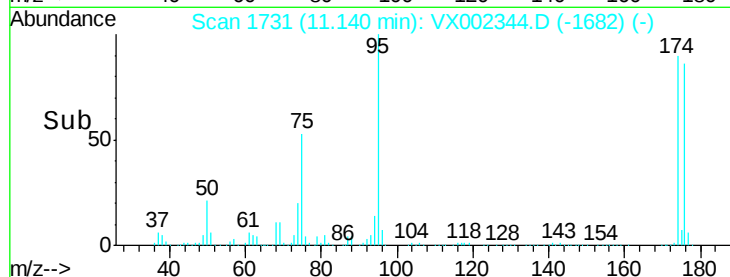
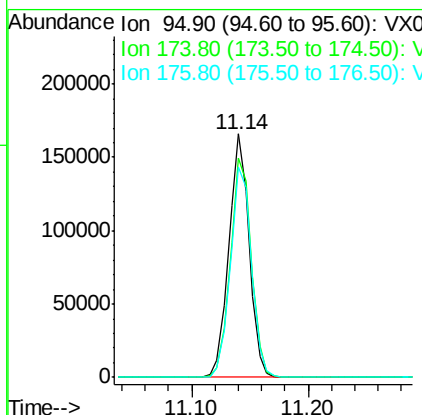
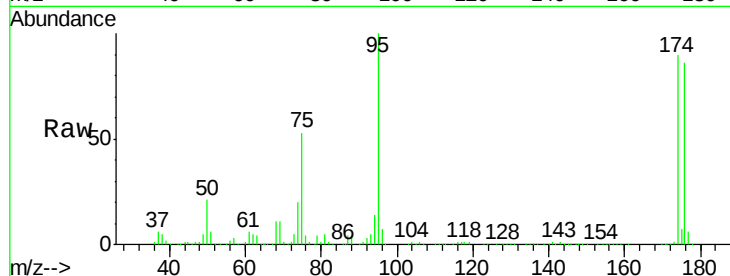




#62
4-Bromofluorobenzene
Concen: 49.17 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

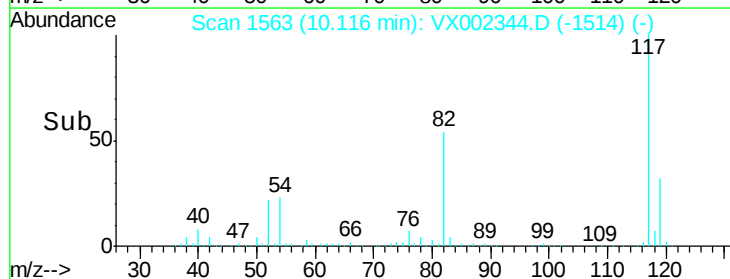
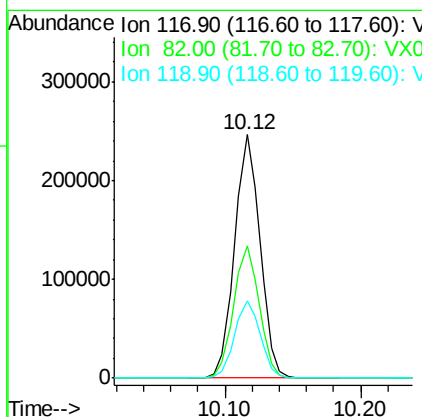
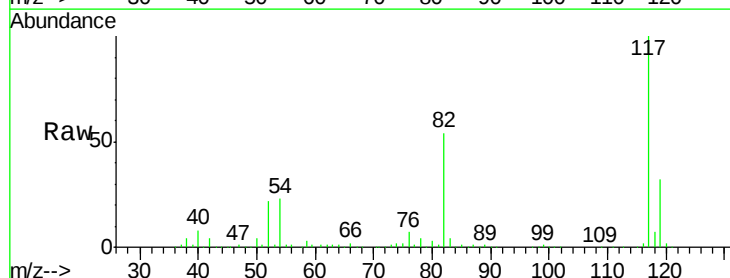
Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL01

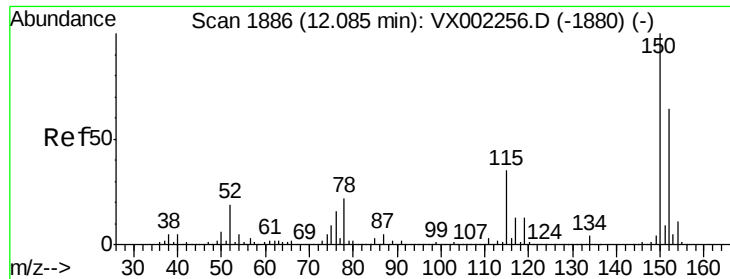
Tot Ion: 95 Resp: 200050
Ion Ratio Lower Upper
95 100
174 93.8 0.0 187.4
176 90.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002344.D
Acq: 06 Jun 2018 11:05

Tgt Ion: 117 Resp: 320776
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBL01

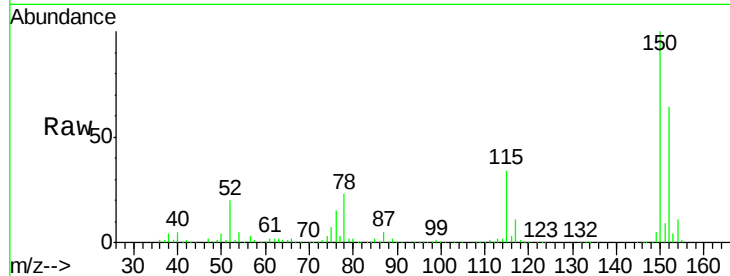
Tot Ion:152 Resp: 177615

Ion Ratio Lower Upper

152 100

115 55.0 40.1 120.2

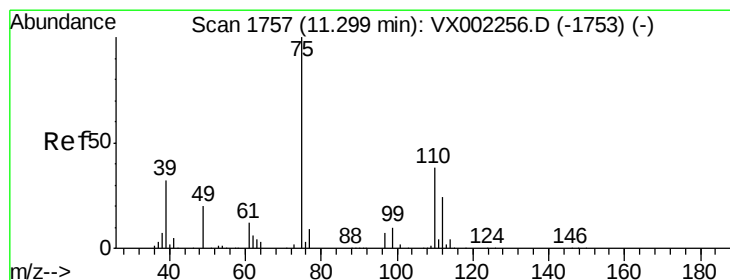
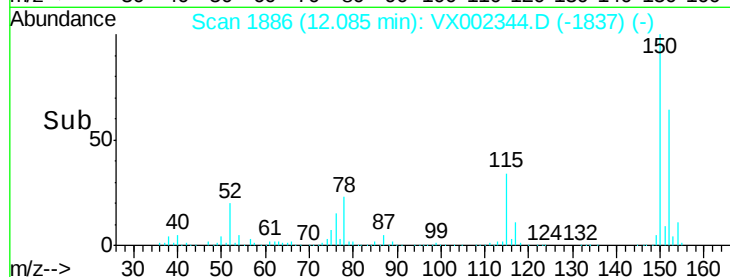
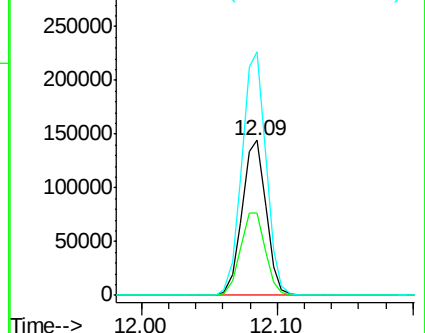
150 157.7 0.0 347.2



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: 27.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002344.D

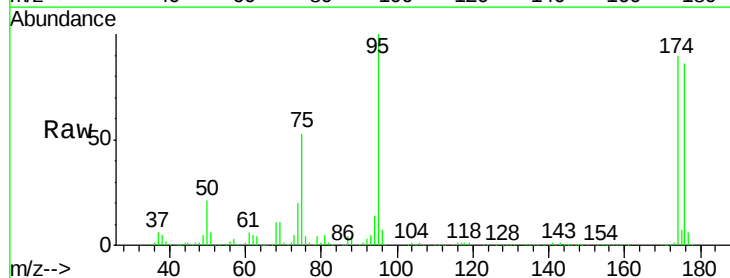
Acq: 06 Jun 2018 11:05

Tgt Ion: 75 Resp: 107979

Ion Ratio Lower Upper

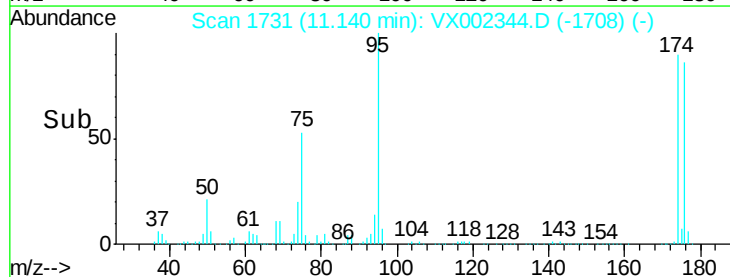
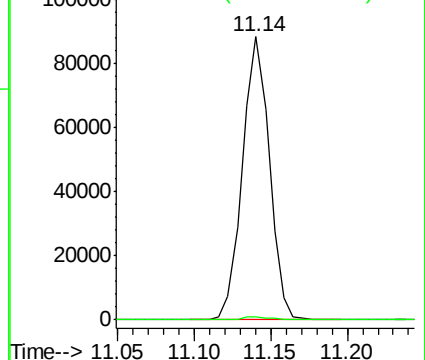
75 100

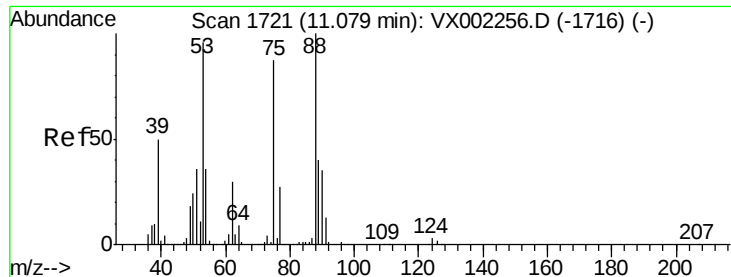
77 1.2 22.8 68.3#



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: 97.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002344.D

Acq: 06 Jun 2018 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0606WBL01

Tot Ion: 75 Resp: 107979

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#

