

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061118\
 Data File : VX002453.D
 Acq On : 11 Jun 2018 19:48
 Operator : JC/MD
 Sample : J3406-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW608-180606

Quant Time: Jun 12 01:54:38 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	216674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	320688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	165048	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	174254	56.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.40%	
35) Dibromofluoromethane	5.51	113	132685	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	8.72	98	515035	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
62) 4-Bromofluorobenzene	11.14	95	181476	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

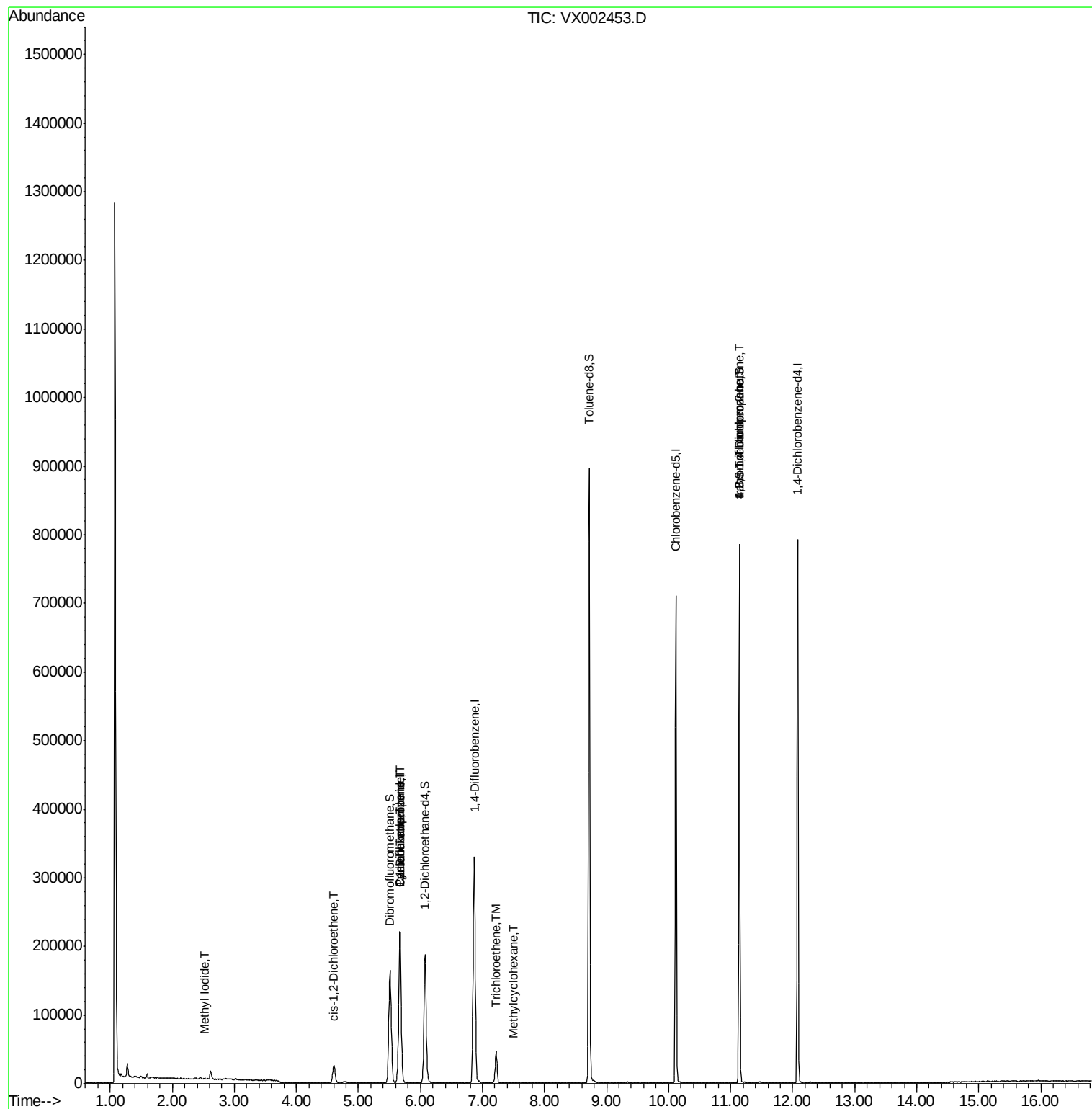
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	610	Below Cal	#	73
5) Bromomethane	1.66	94	1234	Below Cal		95
8) Diethyl Ether	2.29	74	53	Below Cal		99
10) Methyl Iodide	2.52	142	1194	0.36	ug/l	# 90
11) Tert butyl alcohol	3.07	59	393	Below Cal	#	1
13) Acrolein	2.28	56	148	Below Cal	#	63
15) Acrylonitrile	3.15	53	404	Below Cal	#	36
16) Acetone	2.45	43	2523	Below Cal		96
18) Methyl Acetate	2.70	43	158	Below Cal	#	55
19) Methyl tert-butyl Ether	3.20	73	47	Below Cal	#	56
20) Methylene Chloride	2.86	84	241	Below Cal	#	26
22) Diisopropyl ether	3.89	45	251	Below Cal	#	76
27) cis-1,2-Dichloroethene	4.60	96	15363	5.55	ug/l	90
28) Bromochloromethane	5.02	49	32	Below Cal	#	13
31) Cyclohexane	5.67	56	4807	1.23	ug/l	# 19
36) 1,1-Dichloropropene	5.66	75	15240	4.52	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	20470	5.80	ug/l	# 15
39) Methylcyclohexane	7.50	83	42	0.27	ug/l	# 16
44) Trichloroethene	7.22	130	16967	5.91	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	98435	27.18	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	98435	95.28	ug/l	# 6

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX061118\
Data File : VX002453.D
Acq On : 11 Jun 2018 19:48
Operator : JC/MD
Sample : J3406-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS050MW608-180606

Quant Time: Jun 12 01:54:38 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: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

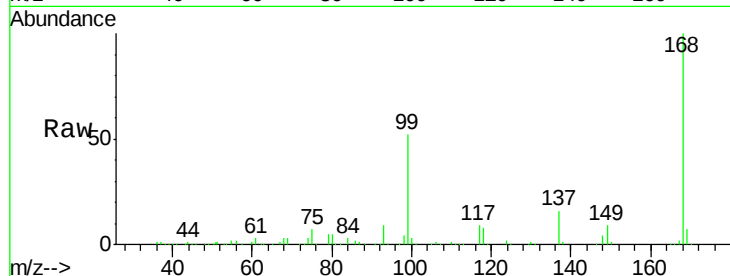
SS050MW608-180606

Tgt Ion:168 Resp: 216674

Ion Ratio Lower Upper

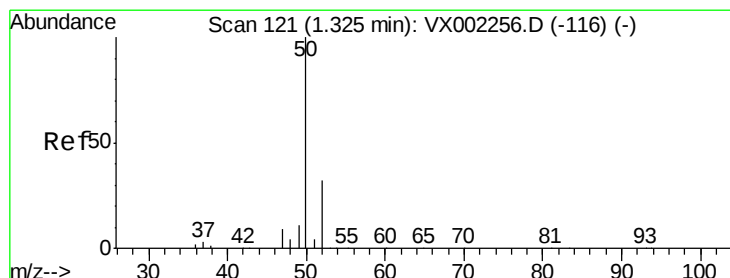
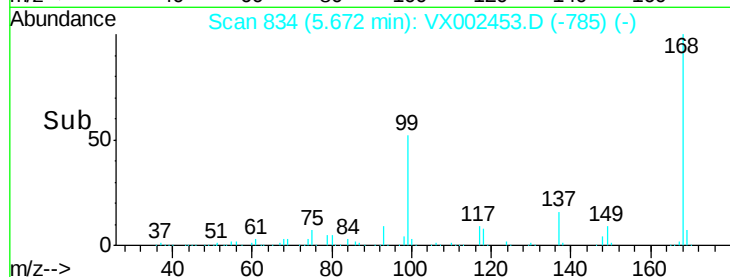
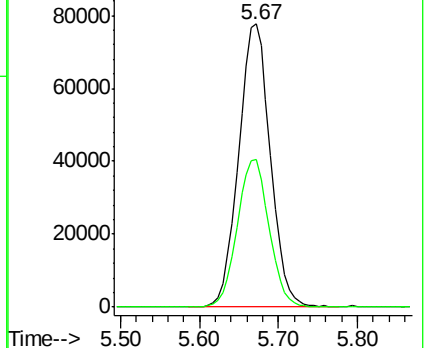
168 100

99 52.3 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: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002453.D

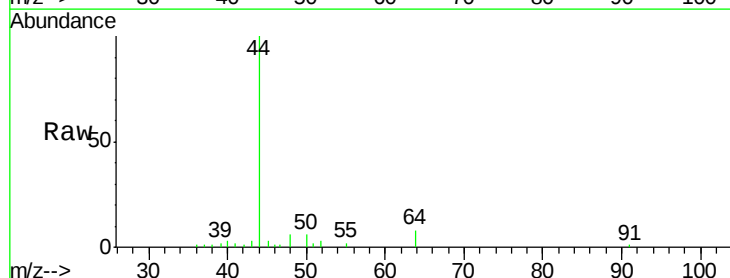
Acq: 11 Jun 2018 19:48

Tgt Ion: 50 Resp: 610

Ion Ratio Lower Upper

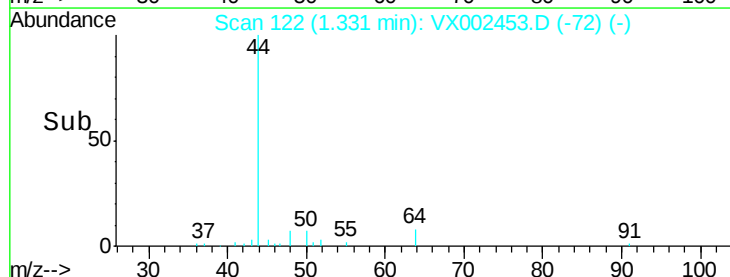
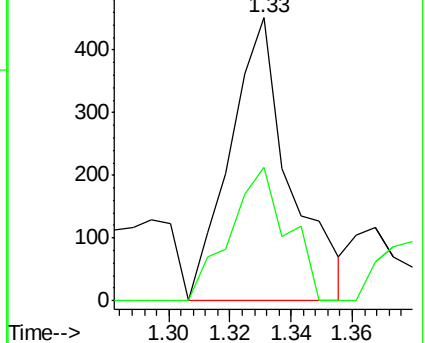
50 100

52 46.9 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: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

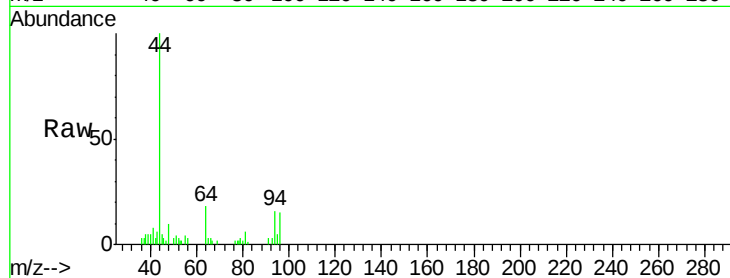
SS050MW608-180606

Tgt Ion: 94 Resp: 1234

Ion Ratio Lower Upper

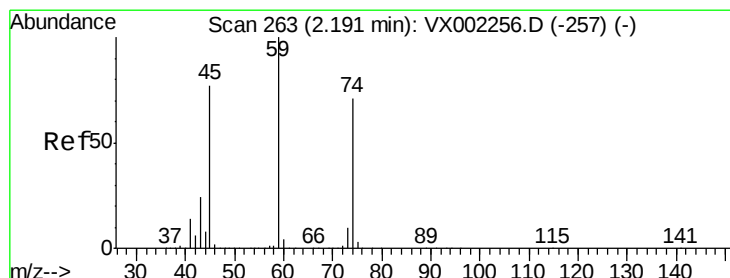
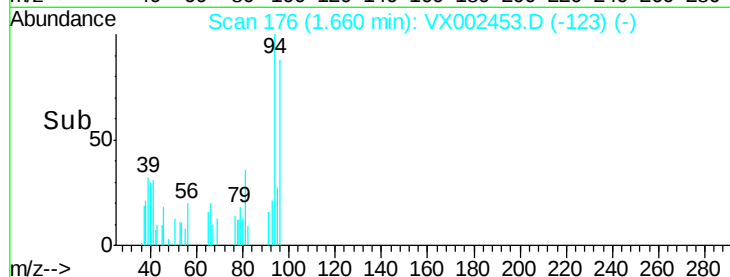
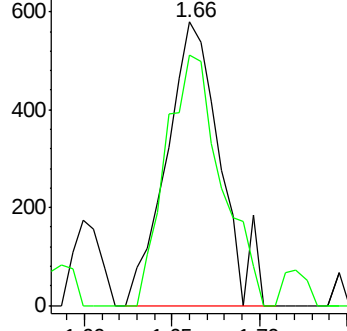
94 100

96 88.4 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: 2.29 min Scan# 279

Delta R.T. 0.10 min

Lab File: VX002453.D

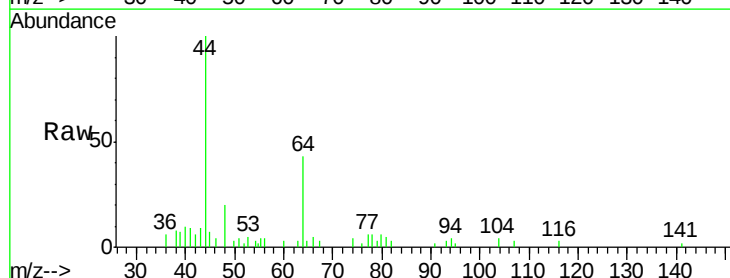
Acq: 11 Jun 2018 19:48

Tgt Ion: 74 Resp: 53

Ion Ratio Lower Upper

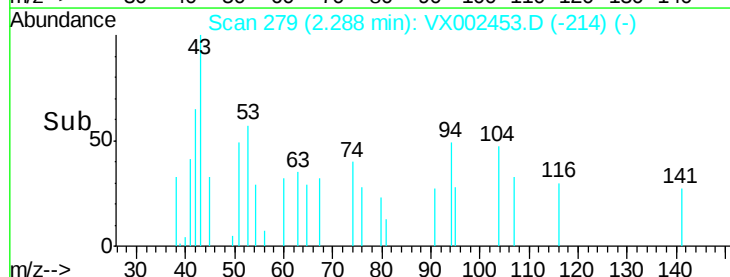
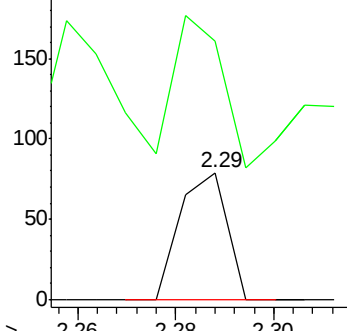
74 100

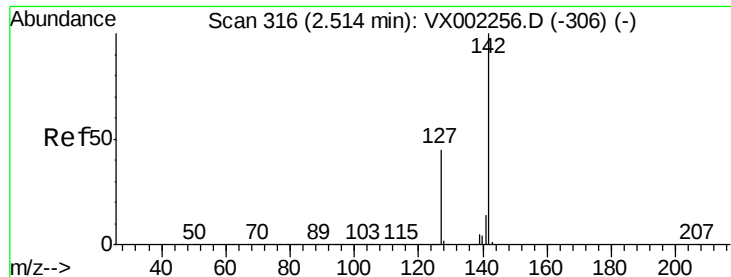
45 107.5 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

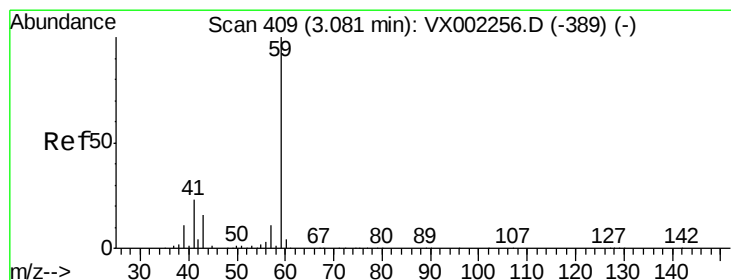
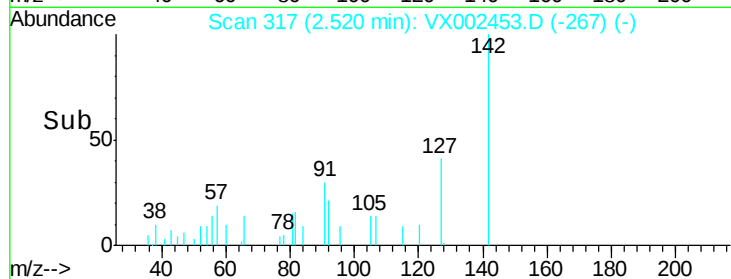
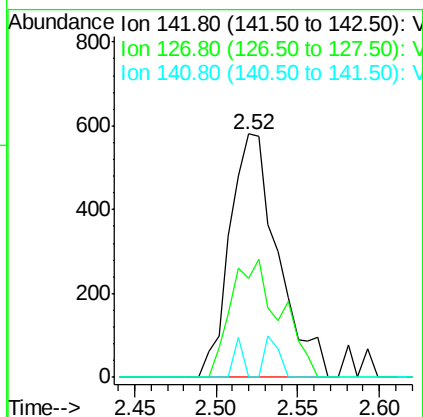
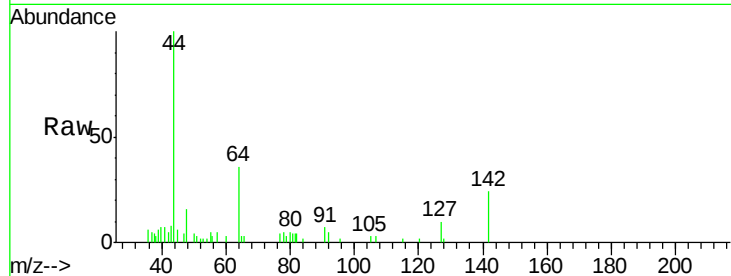




#10
Methyl Iodide
Concen: 0.36 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002453.D
Acq: 11 Jun 2018 19:48

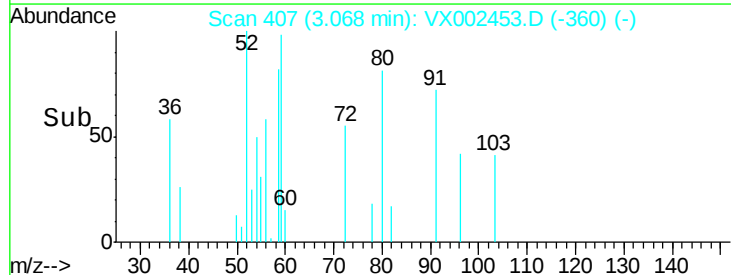
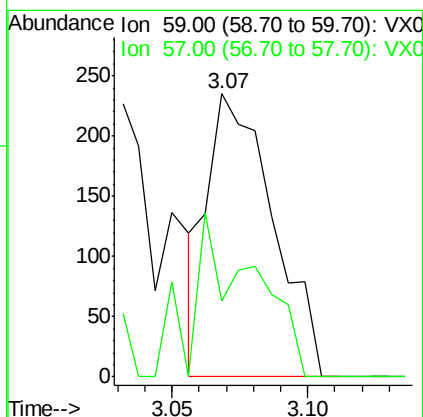
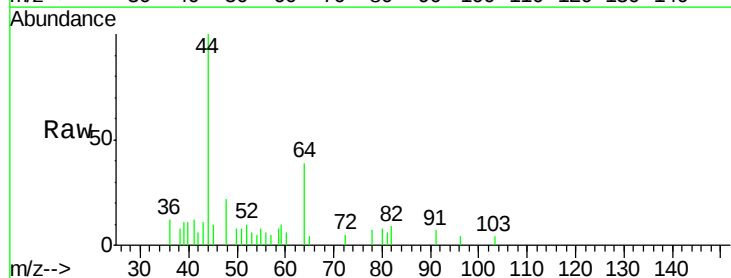
Instrument :
MSVOA_X
ClientSampleId :
SS050MW608-180606

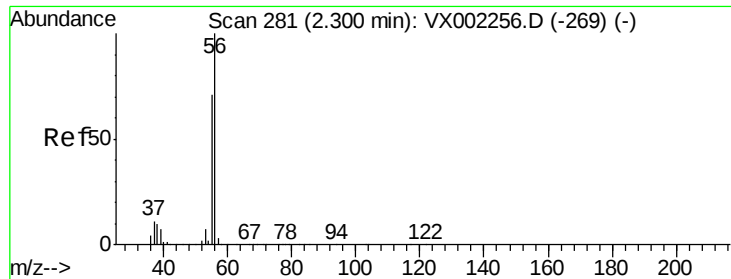
Tgt Ion: 142 Resp: 1194
Ion Ratio Lower Upper
142 100
127 49.8 36.6 55.0
141 5.1 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002453.D
Acq: 11 Jun 2018 19:48

Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 54.7 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

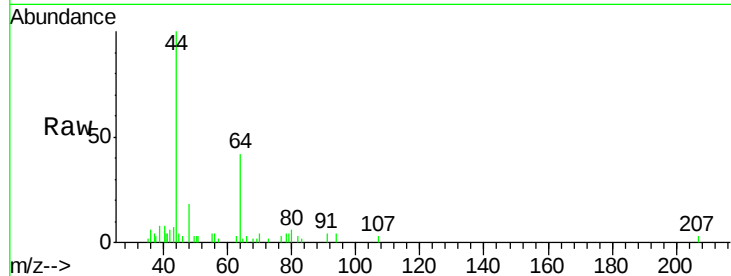
SS050MW608-180606

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

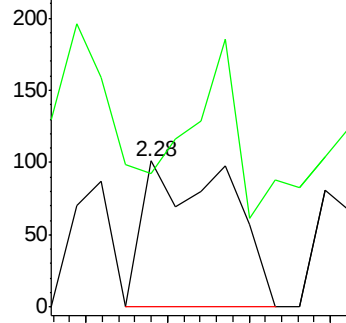
56 100

55 40.5 57.0 85.4#

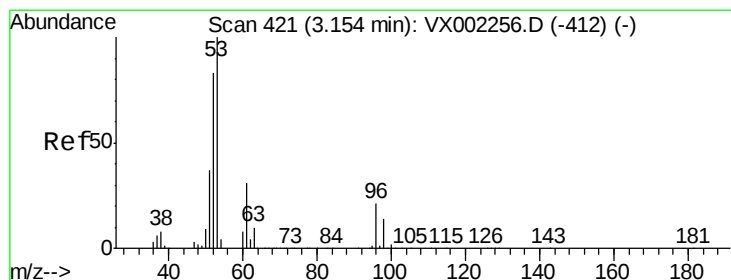
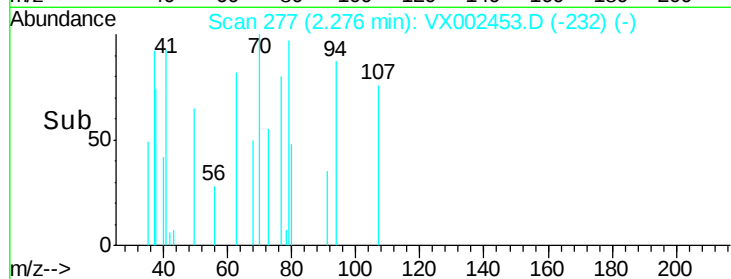


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

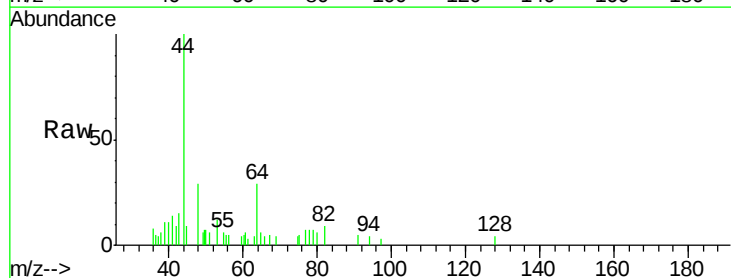
Tgt Ion: 53 Resp: 404

Ion Ratio Lower Upper

53 100

52 12.9 66.7 100.1#

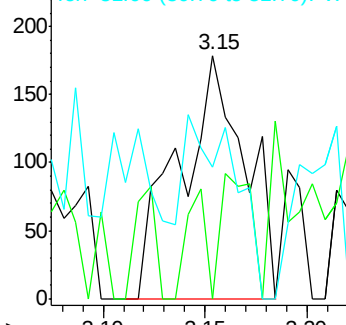
51 56.9 29.9 44.9#



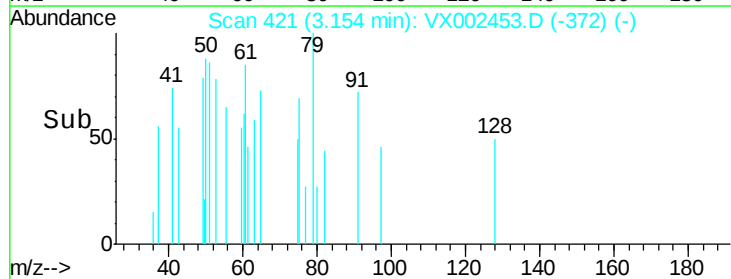
Abundance Ion 53.00 (52.70 to 53.70): VX0

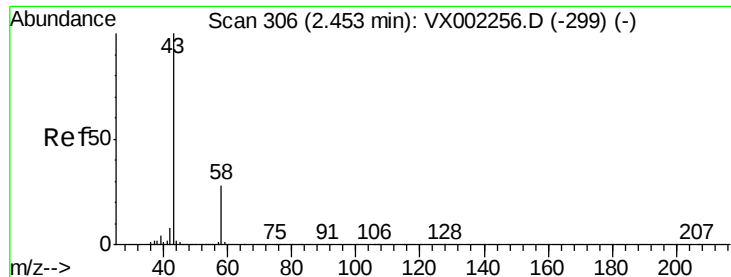
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

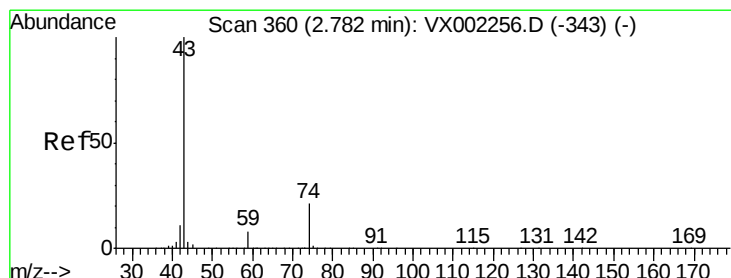
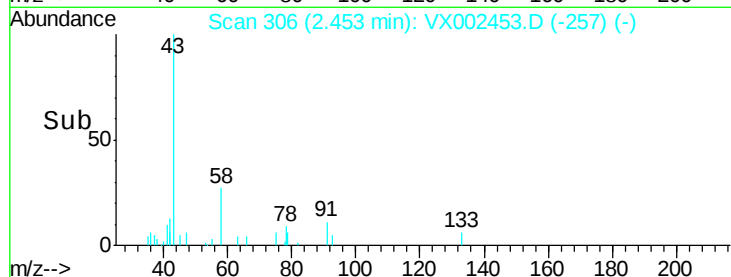
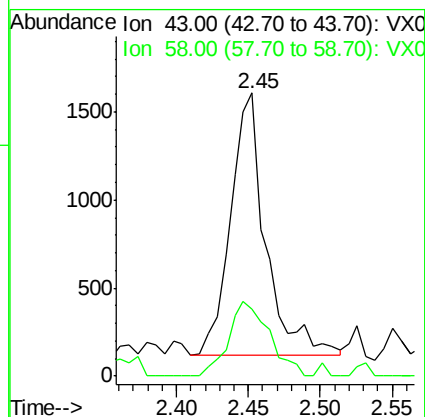
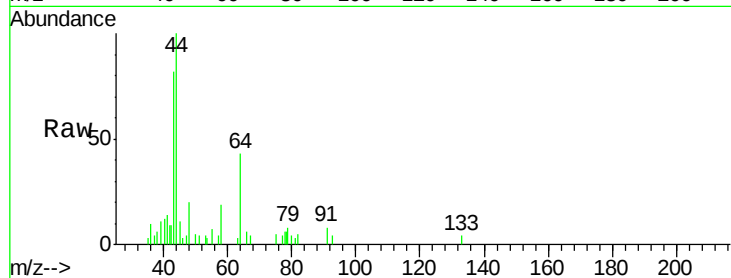
SS050MW608-180606

Tgt Ion: 43 Resp: 2523

Ion Ratio Lower Upper

43 100

58 25.7 22.1 33.1



#18

Methyl Acetate

Concen: Below Cal

RT: 2.70 min Scan# 346

Delta R.T. -0.09 min

Lab File: VX002453.D

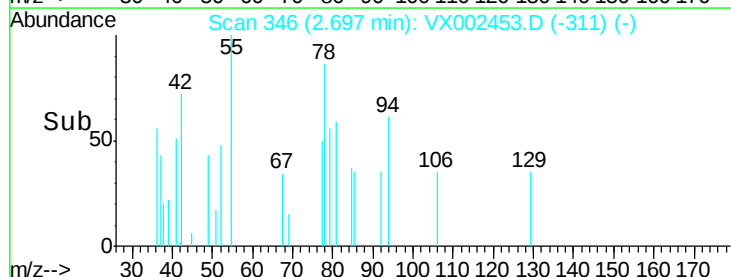
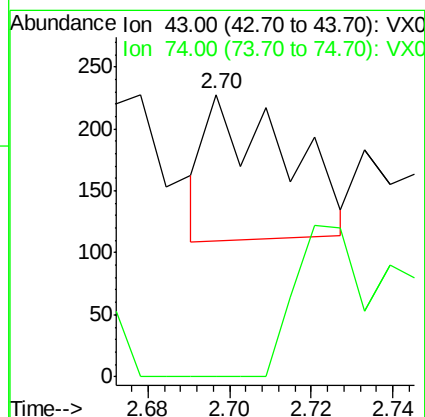
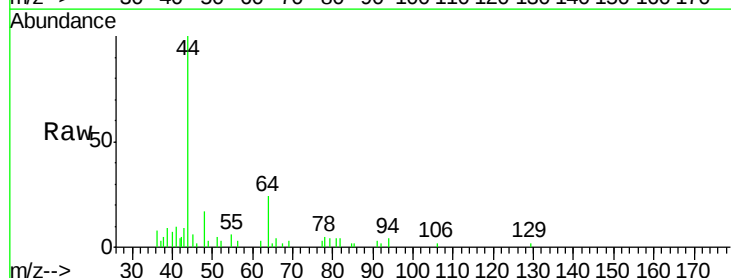
Acq: 11 Jun 2018 19:48

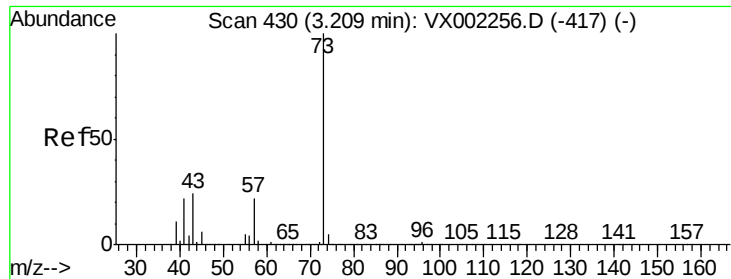
Tgt Ion: 43 Resp: 158

Ion Ratio Lower Upper

43 100

74 0.0 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: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

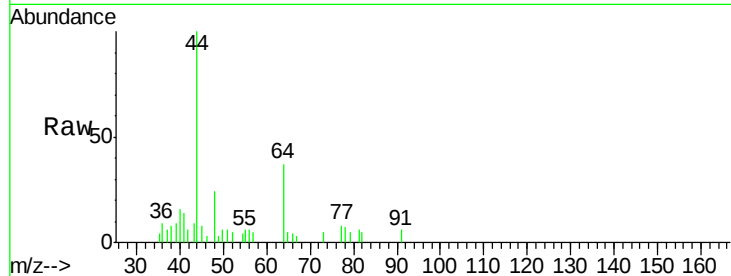
SS050MW608-180606

Tgt Ion: 73 Resp: 47

Ion Ratio Lower Upper

73 100

57 1.3 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150

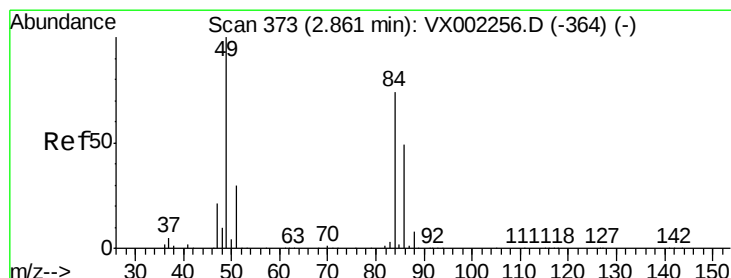
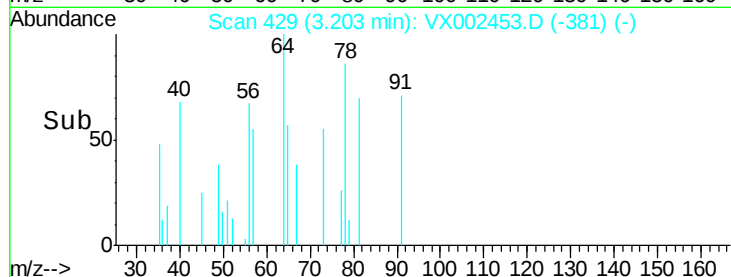
100

50

0

3.18 3.20 3.22 3.24

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Tgt Ion: 84 Resp: 241

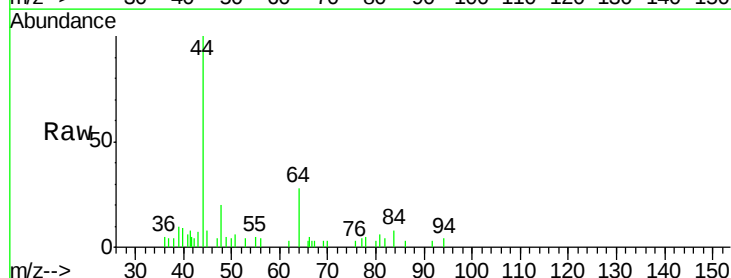
Ion Ratio Lower Upper

84 100

49 10.5 107.8 161.6#

51 21.1 32.8 49.2#

86 36.3 52.5 78.7#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

300

250

200

150

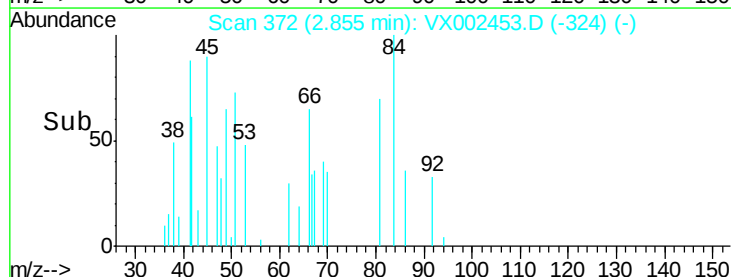
100

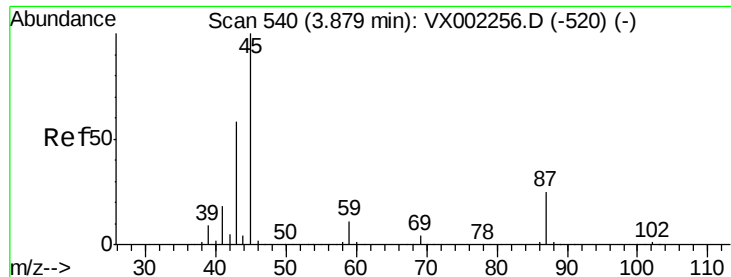
50

0

2.82 2.84 2.86 2.88

Time-->



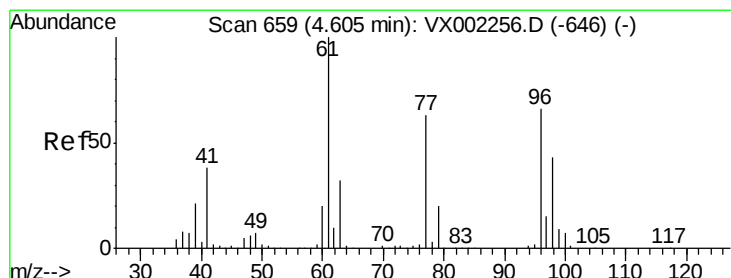
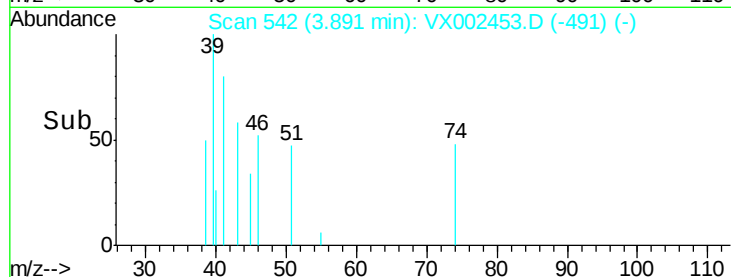
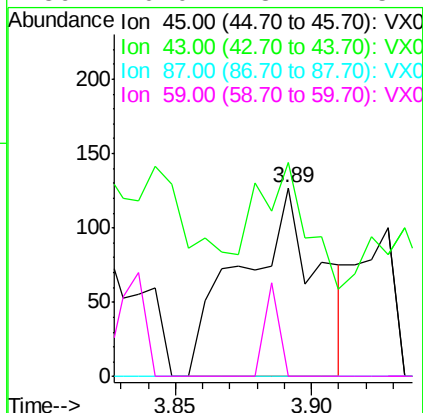
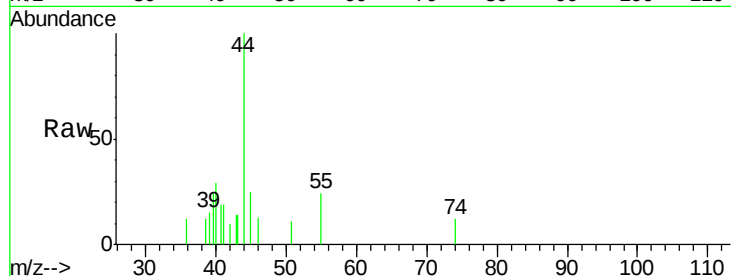


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.89 min Scan# 542
Delta R.T. 0.01 min
Lab File: VX002453.D
Acq: 11 Jun 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
SS050MW608-180606

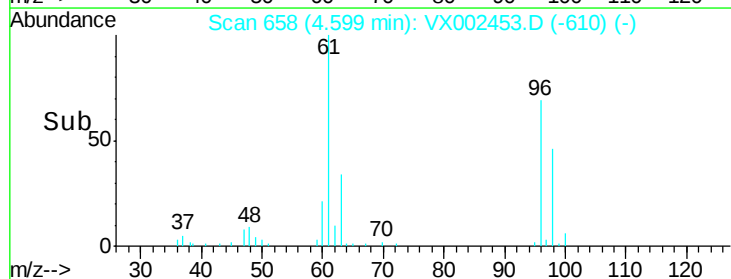
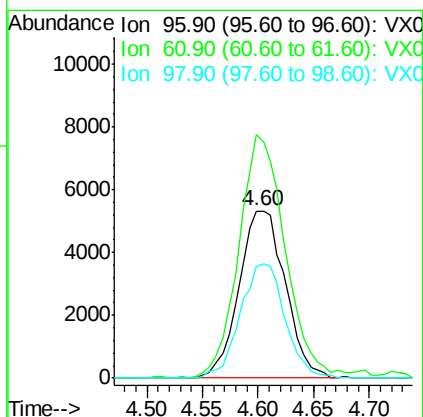
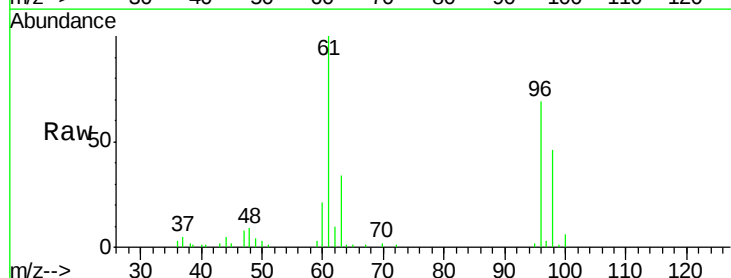
Tgt Ion:	45	Resp:	251
Ion	Ratio	Lower	Upper
45	100		
43	66.9	46.8	70.2
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

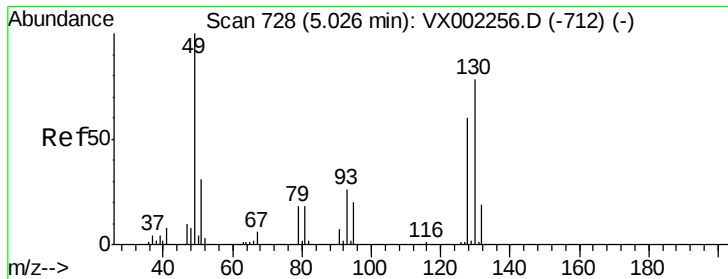


#27

cis-1,2-Dichloroethene
Concen: 5.55 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002453.D
Acq: 11 Jun 2018 19:48

Tgt Ion:	96	Resp:	15363
Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	330.2
98	66.4	0.0	130.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

SS050MW608-180606

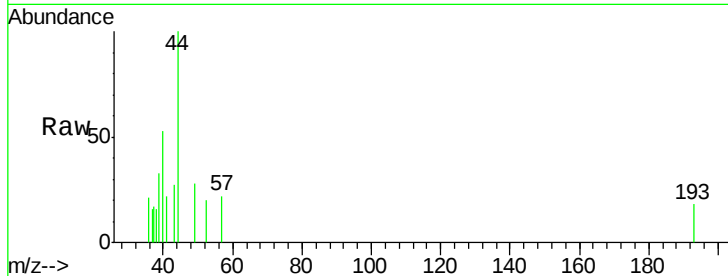
Tgt Ion: 49 Resp: 32

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

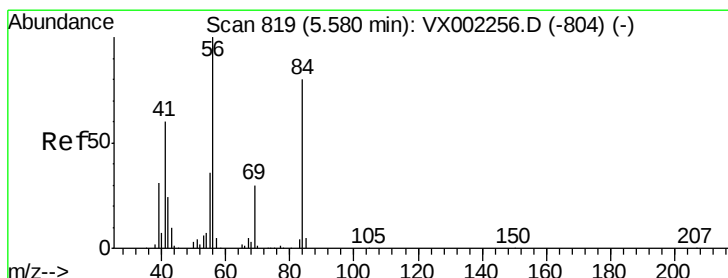
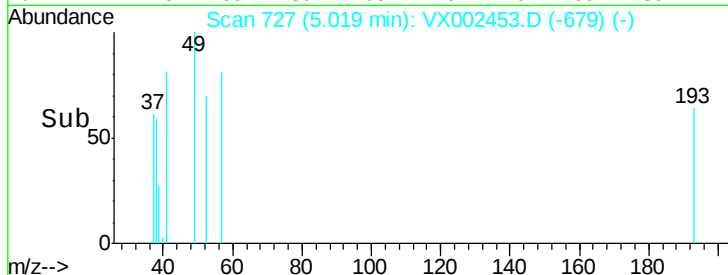
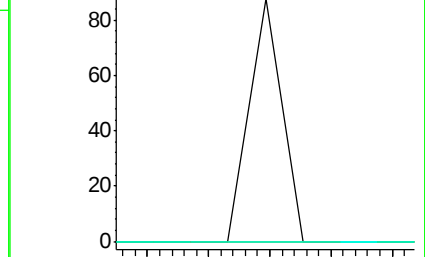
130 0.0 61.2 91.8#



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



#31

Cyclohexane

Concen: 1.23 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

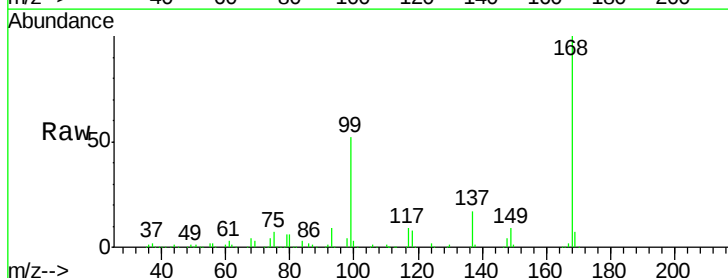
Tgt Ion: 56 Resp: 4807

Ion Ratio Lower Upper

56 100

69 133.7 23.7 35.5#

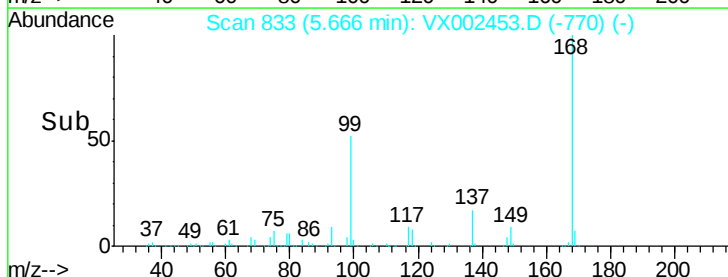
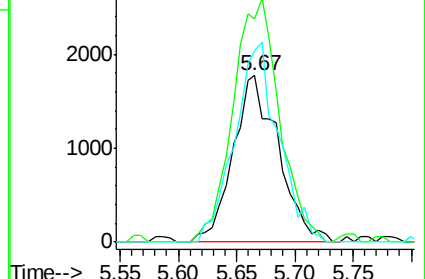
84 115.0 64.1 96.1#

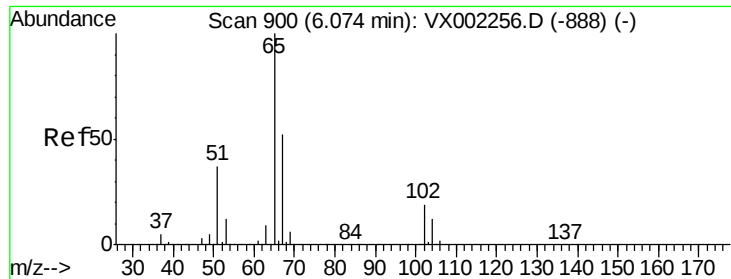


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

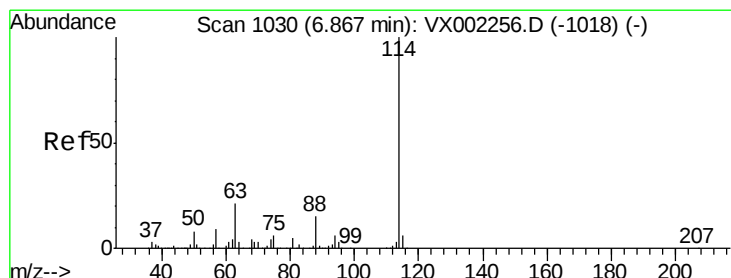
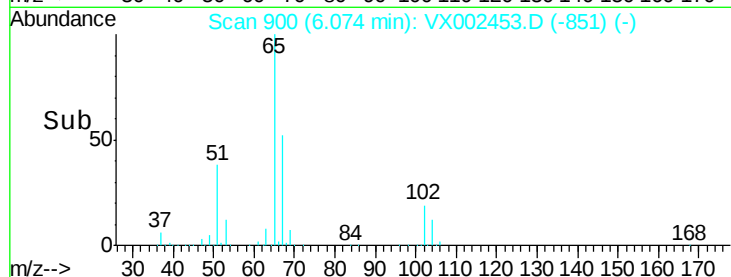
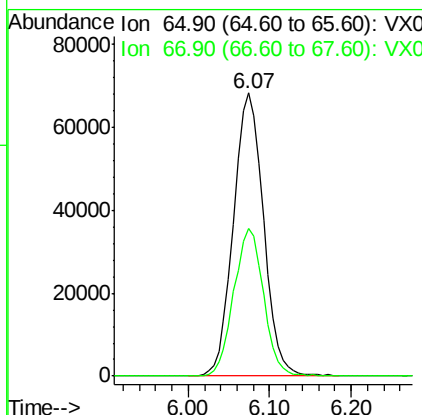
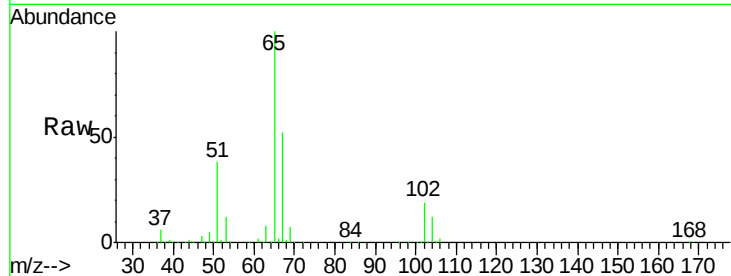




#33
 1,2-Dichloroethane-d4
 Concen: 56.70 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002453.D
 Acq: 11 Jun 2018 19:48

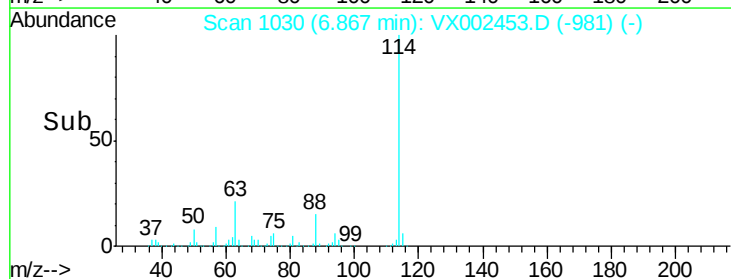
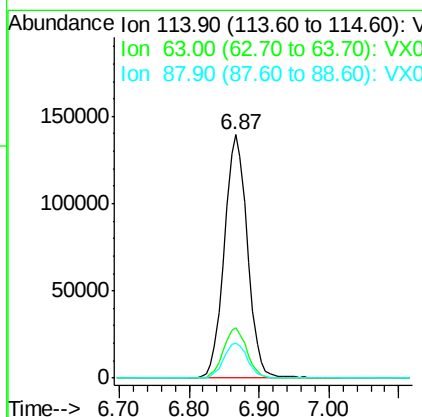
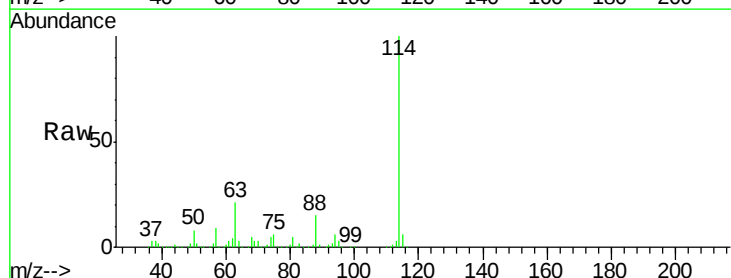
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW608-180606

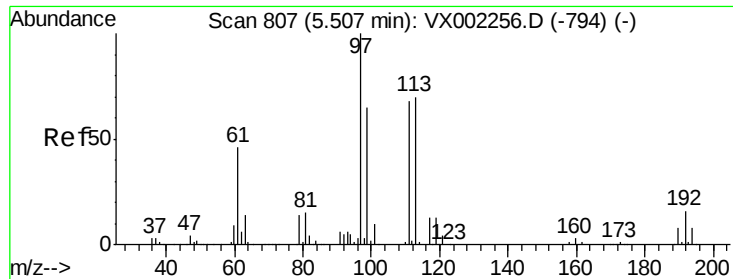
Tgt Ion: 65 Resp: 174254
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002453.D
 Acq: 11 Jun 2018 19:48

Tgt Ion: 114 Resp: 320688
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.4
 88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.61 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

SS050MW608-180606

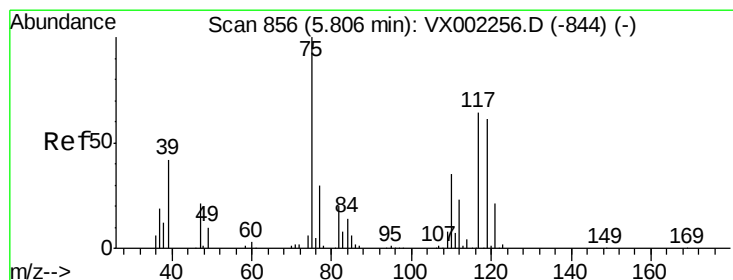
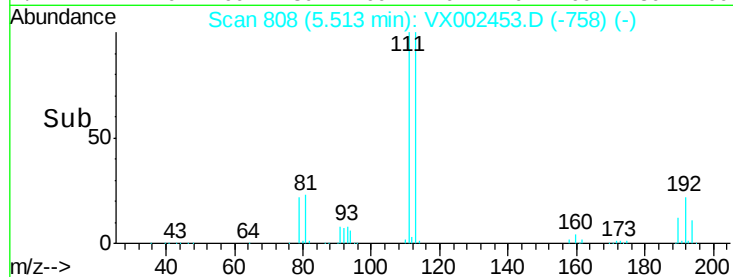
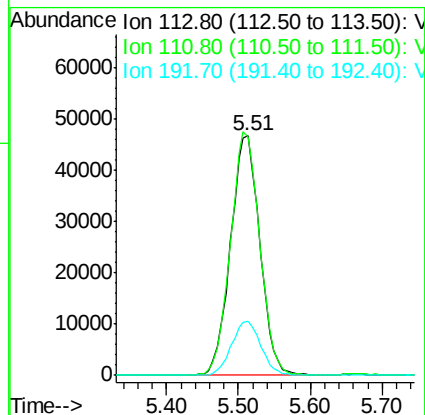
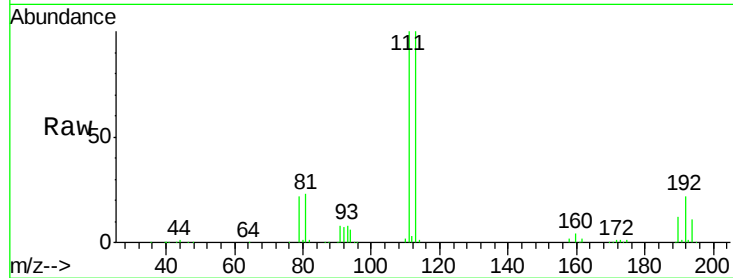
Tgt Ion:113 Resp: 132685

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

192 22.7 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.52 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.15 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

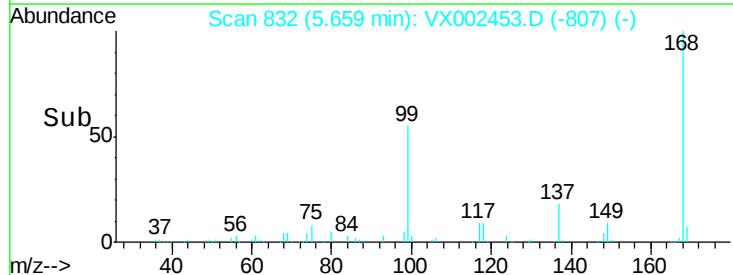
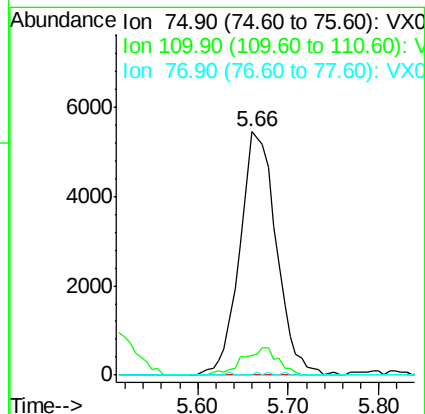
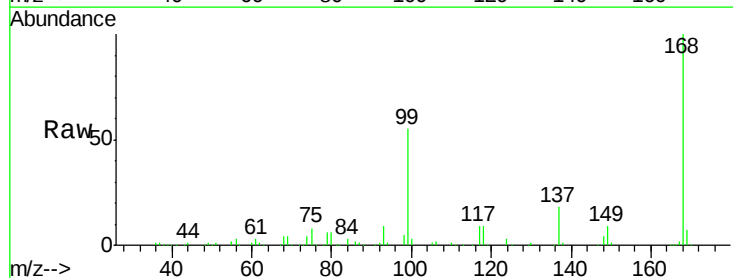
Tgt Ion: 75 Resp: 15240

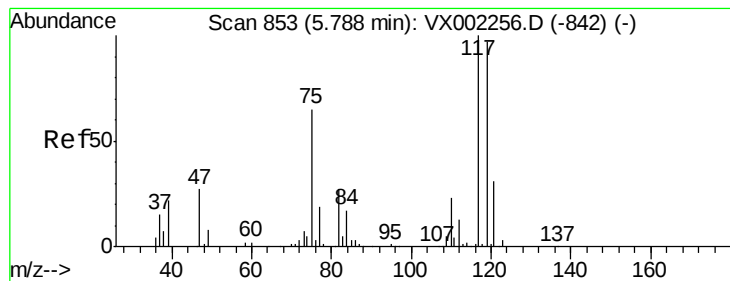
Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.4#

77 0.3 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.80 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

SS050MW608-180606

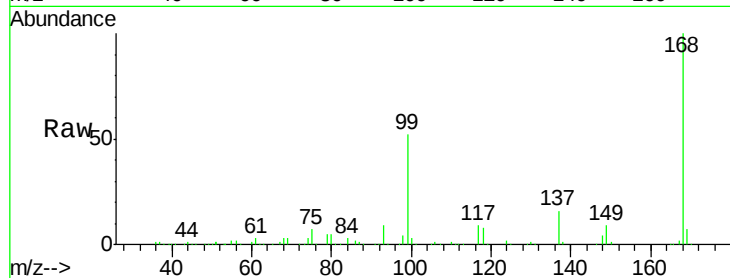
Tgt Ion:117 Resp: 20470

Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.0#

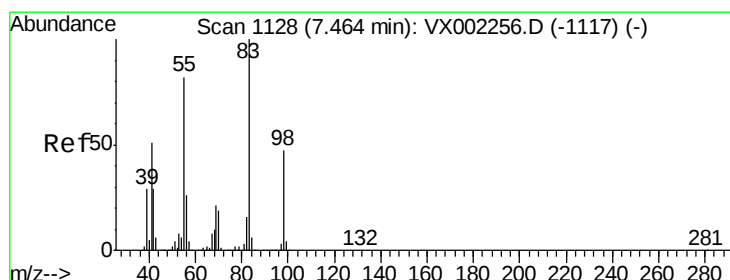
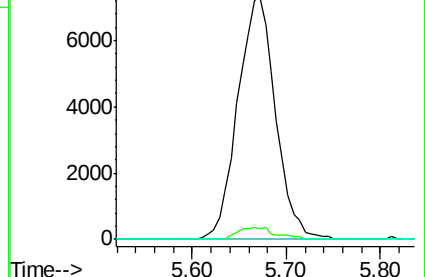
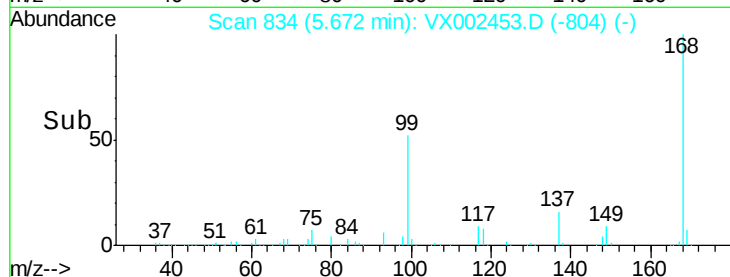
121 0.0 24.4 36.6#



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: 0.27 ug/l

RT: 7.50 min Scan# 1134

Delta R.T. 0.04 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

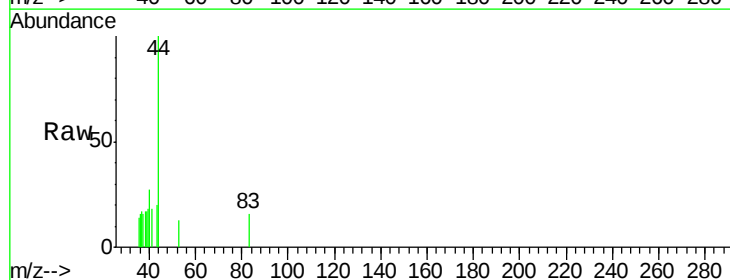
Tgt Ion: 83 Resp: 42

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

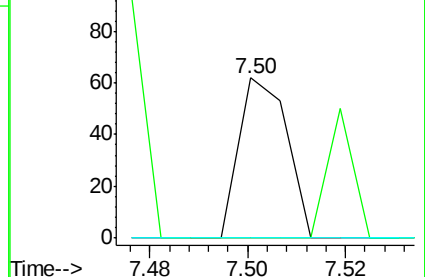
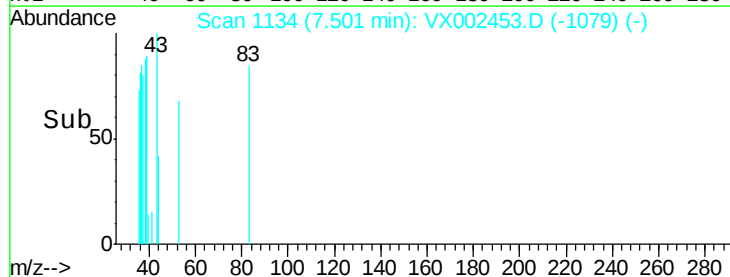
98 0.0 37.4 56.0#

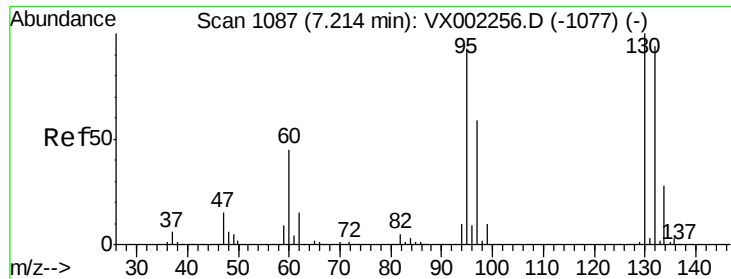


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 5.91 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

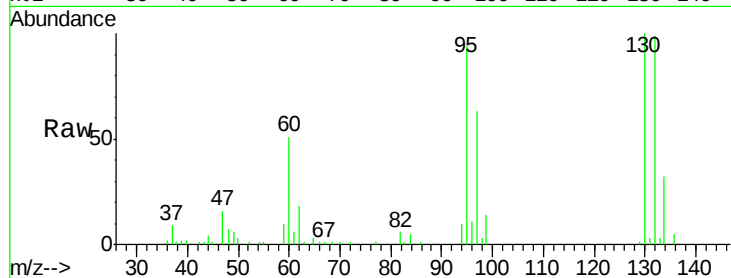
SS050MW608-180606

Tgt Ion:130 Resp: 16967

Ion Ratio Lower Upper

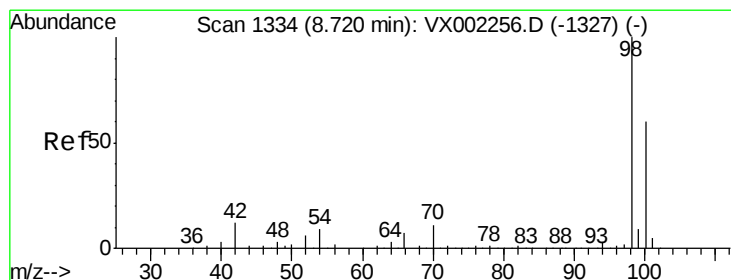
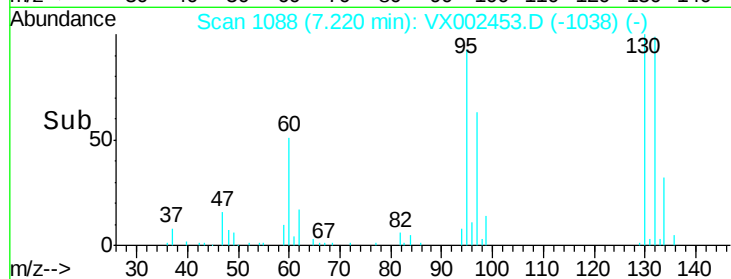
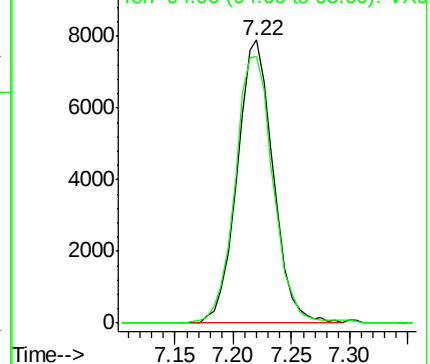
130 100

95 93.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.28 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002453.D

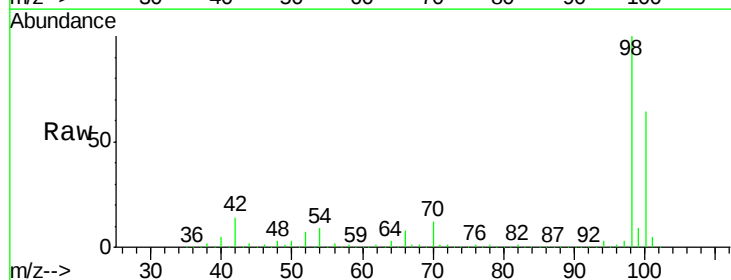
Acq: 11 Jun 2018 19:48

Tgt Ion: 98 Resp: 515035

Ion Ratio Lower Upper

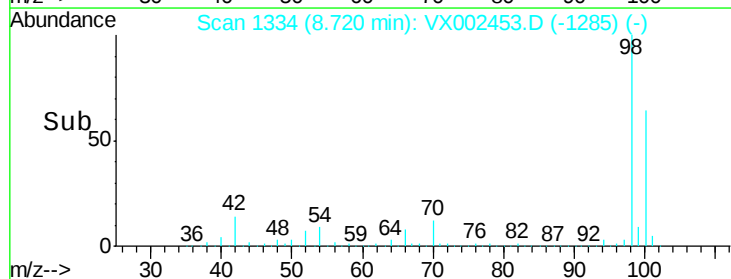
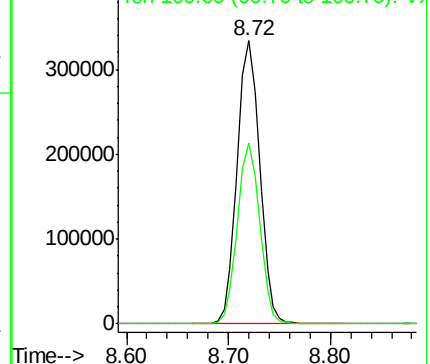
98 100

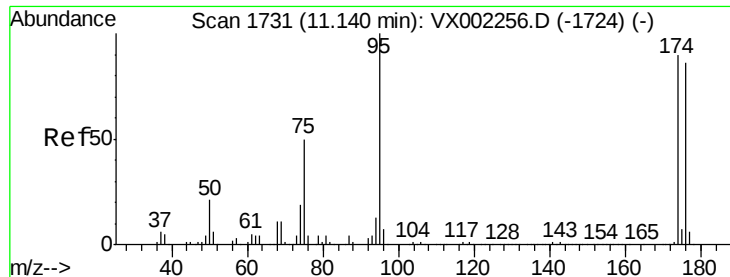
100 62.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

SS050MW608-180606

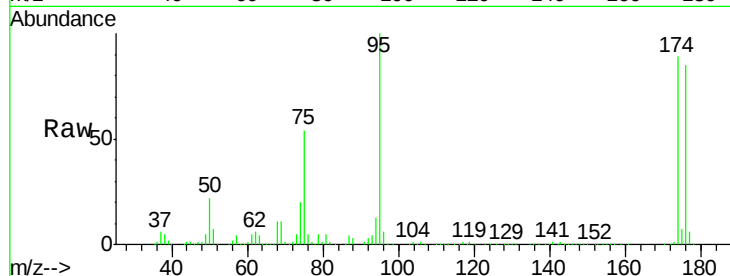
Tgt Ion: 95 Resp: 181476

Ion Ratio Lower Upper

95 100

174 92.0 0.0 187.4

176 89.4 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) (-)

11.14

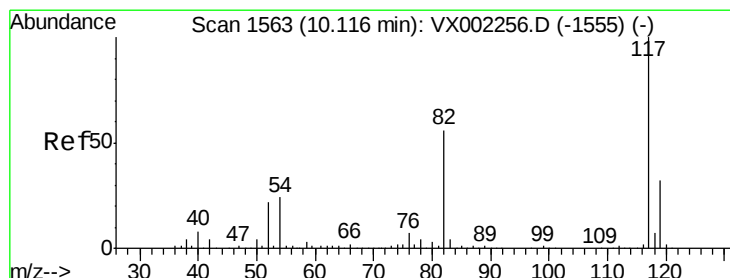
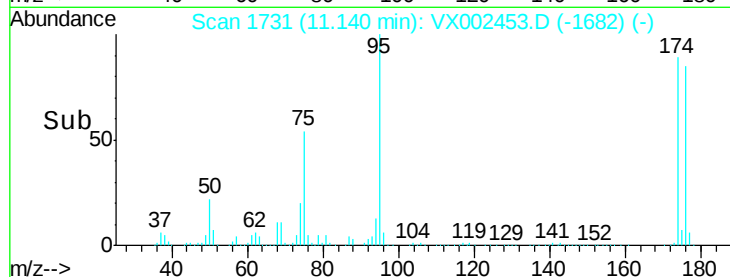
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

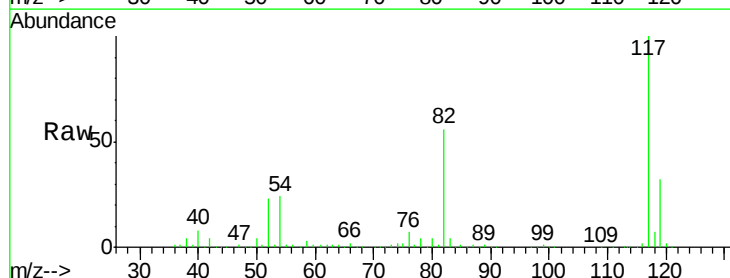
Tgt Ion: 117 Resp: 297144

Ion Ratio Lower Upper

117 100

82 56.0 45.0 67.4

119 32.3 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) (-)

10.12

300000

250000

200000

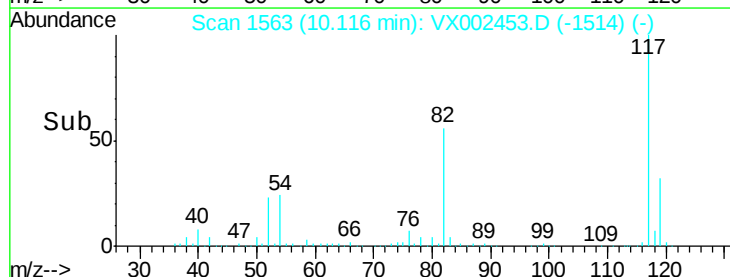
150000

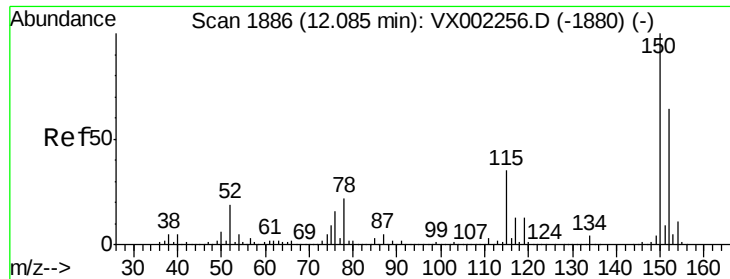
100000

50000

0

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: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

SS050MW608-180606

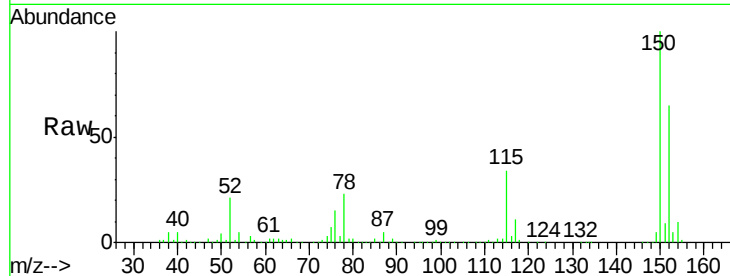
Tgt Ion:152 Resp: 165048

Ion Ratio Lower Upper

152 100

115 55.3 40.1 120.2

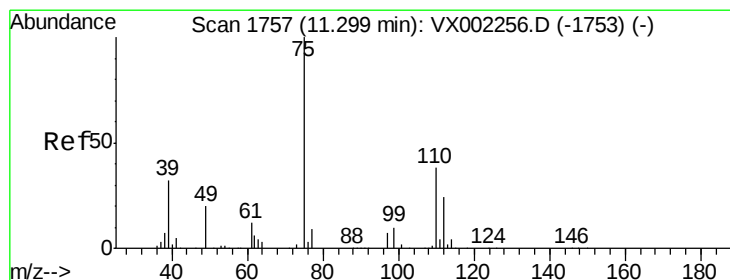
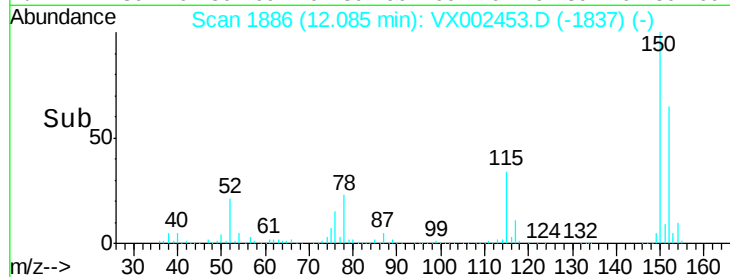
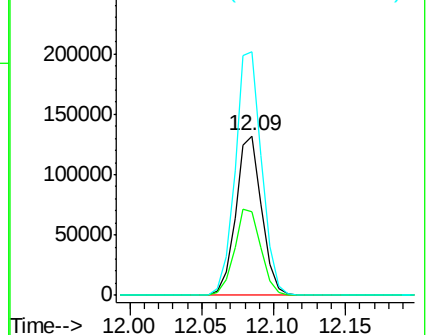
150 157.5 0.0 347.2



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: 27.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002453.D

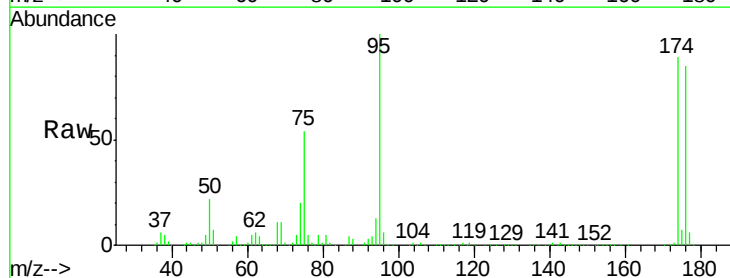
Acq: 11 Jun 2018 19:48

Tgt Ion: 75 Resp: 98435

Ion Ratio Lower Upper

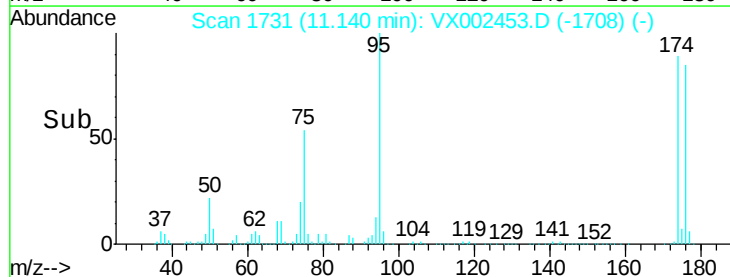
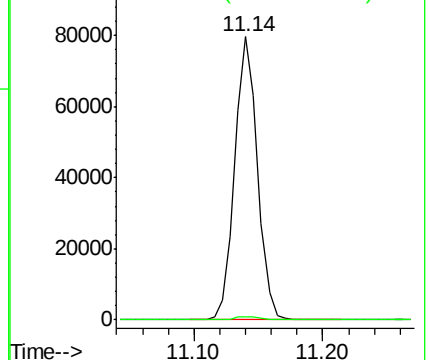
75 100

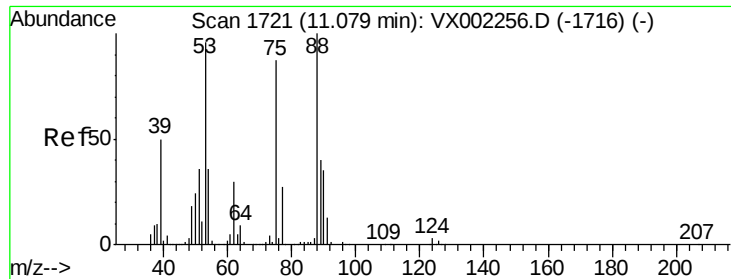
77 1.2 22.8 68.3#



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: 95.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002453.D

Acq: 11 Jun 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

SS050MW608-180606

Tgt Ion: 75 Resp: 98435

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.1 38.2 57.2#

