

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061118\
 Data File : VX002452.D
 Acq On : 11 Jun 2018 19:22
 Operator : JC/MD
 Sample : J3406-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW059-180606

Quant Time: Jun 12 01:54:16 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	219049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	169240	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	175681	56.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.08%		
35) Dibromofluoromethane	5.51	113	133017	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.28%		
50) Toluene-d8	8.72	98	511175	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.56%		
62) 4-Bromofluorobenzene	11.14	95	178355	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.70%		

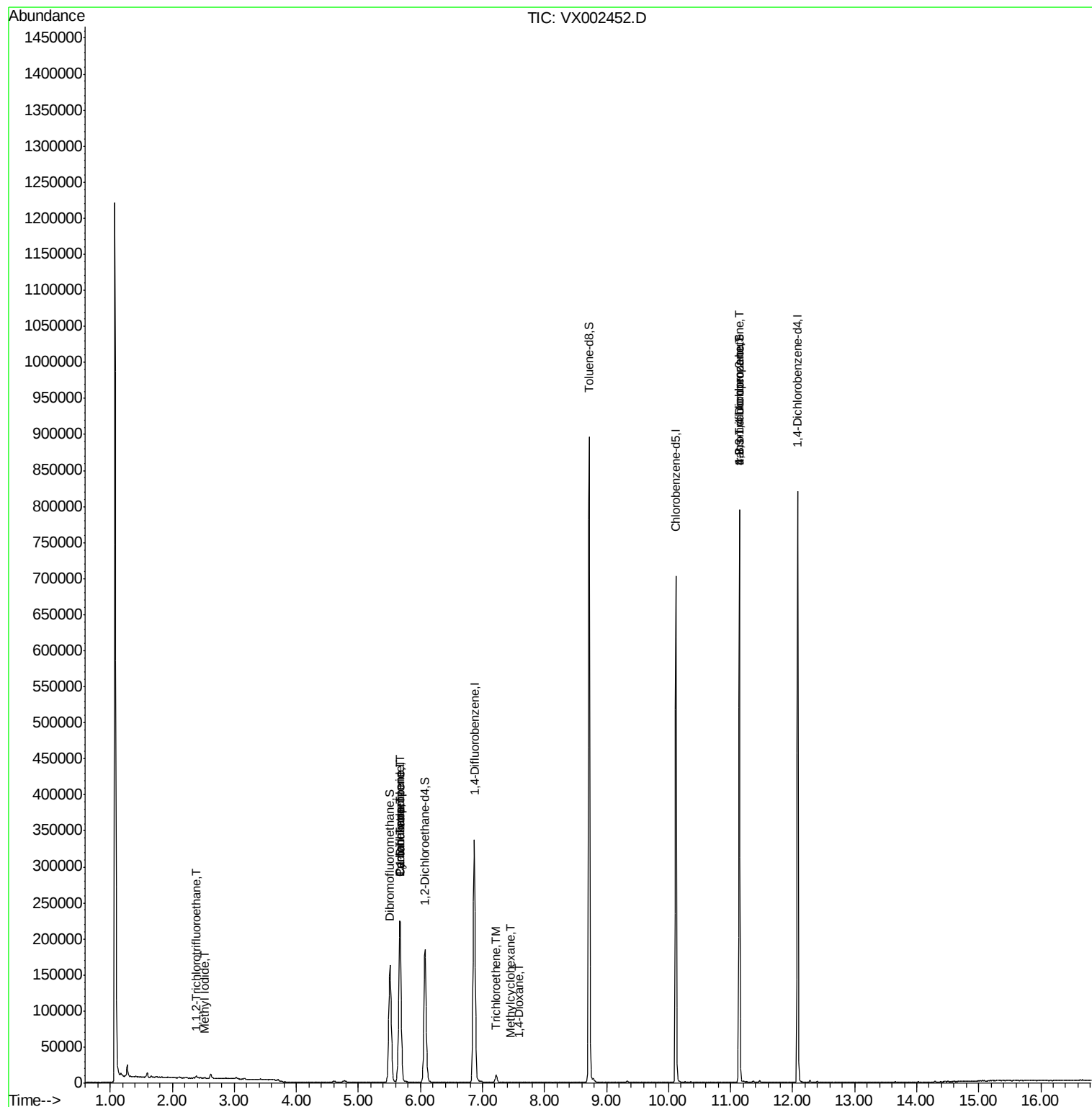
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	286	Below Cal	#	55
5) Bromomethane	1.67	94	1438	Below Cal	#	98
8) Diethyl Ether	2.25	74	51	Below Cal	#	78
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1073	0.45	ug/l	95
10) Methyl Iodide	2.53	142	1392	0.42	ug/l	98
11) Tert butyl alcohol	3.03	59	1020	Below Cal	#	82
13) Acrolein	2.31	56	75	Below Cal	#	1
15) Acrylonitrile	3.16	53	320	Below Cal	#	69
16) Acetone	2.45	43	676	Below Cal	#	61
18) Methyl Acetate	2.76	43	56	Below Cal	#	1
19) Methyl tert-butyl Ether	3.20	73	21	Below Cal	#	54
20) Methylene Chloride	2.86	84	327	Below Cal	#	82
22) Diisopropyl ether	3.89	45	156	Below Cal	#	42
28) Bromochloromethane	5.02	49	19	Below Cal	#	13
31) Cyclohexane	5.67	56	5079	1.28	ug/l	13
36) 1,1-Dichloropropene	5.66	75	16266	4.72	ug/l	50
38) Carbon Tetrachloride	5.66	117	20907	5.80	ug/l	15
39) Methylcyclohexane	7.45	83	70	0.28	ug/l	53
44) Trichloroethene	7.22	130	3818	1.30	ug/l	100
49) 1,4-Dioxane	7.59	88	60	0.91	ug/l	22
76) 1,2,3-Trichloropropane	11.14	75	96861	26.08	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96861	91.43	ug/l	6

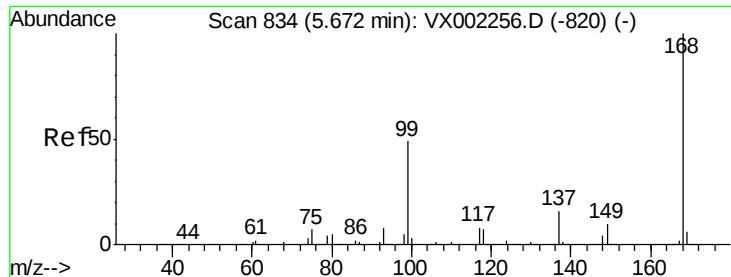
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX061118\
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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: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

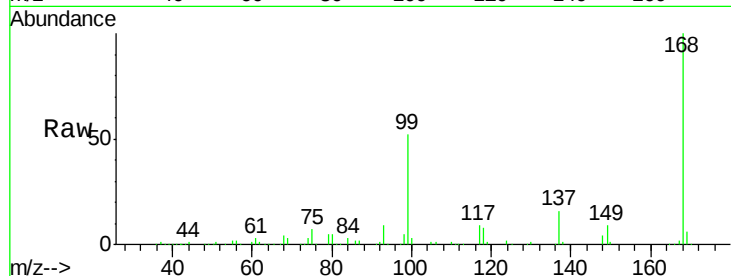
SS050MW059-180606

Tgt Ion:168 Resp: 219049

Ion Ratio Lower Upper

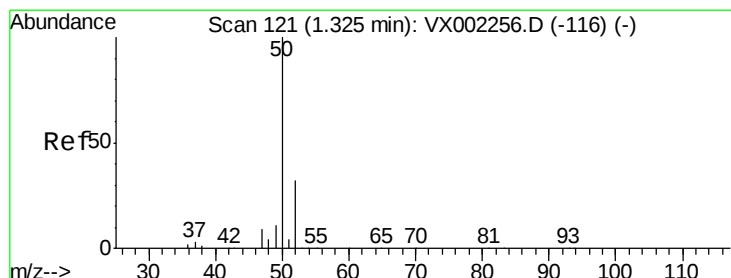
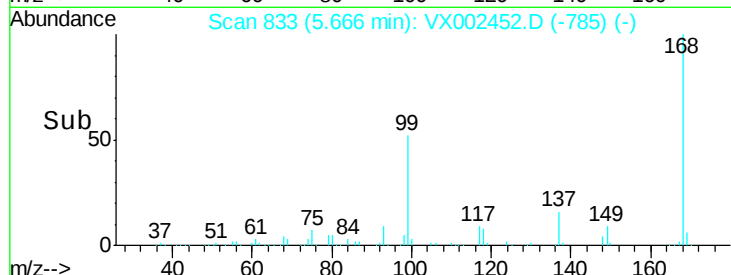
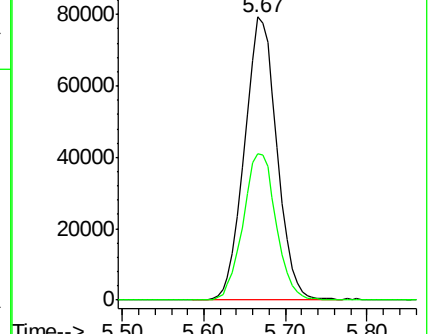
168 100

99 51.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002452.D

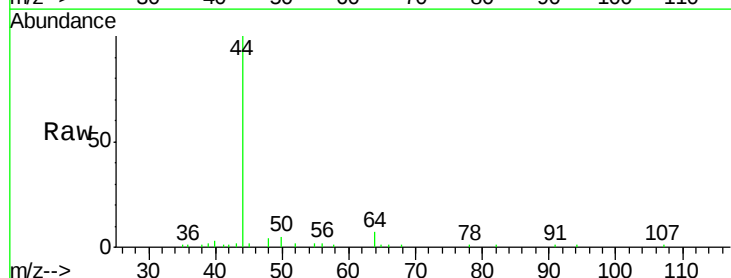
Acq: 11 Jun 2018 19:22

Tgt Ion: 50 Resp: 286

Ion Ratio Lower Upper

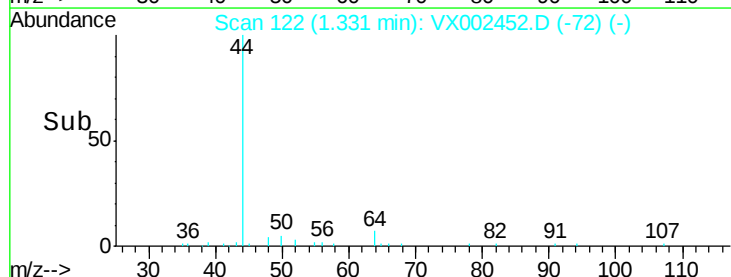
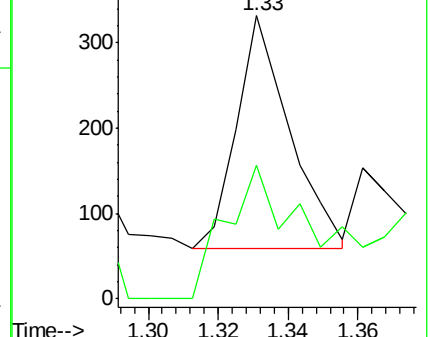
50 100

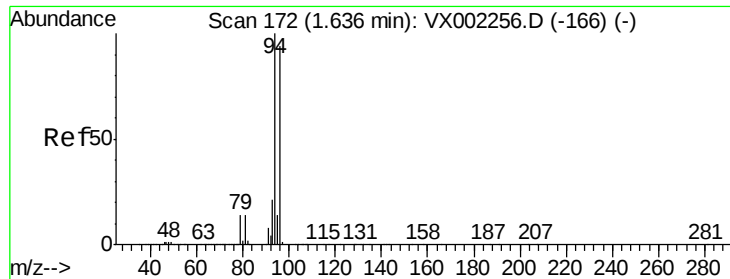
52 57.1 25.7 38.5#



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: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

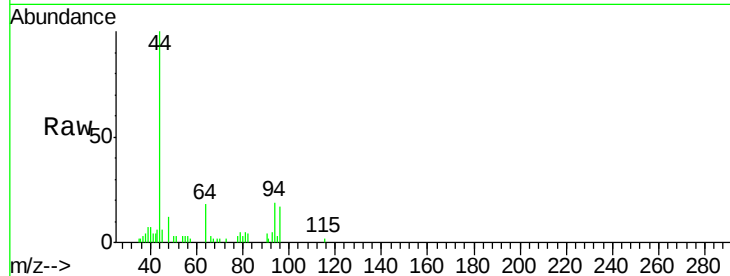
SS050MW059-180606

Tgt Ion: 94 Resp: 1438

Ion Ratio Lower Upper

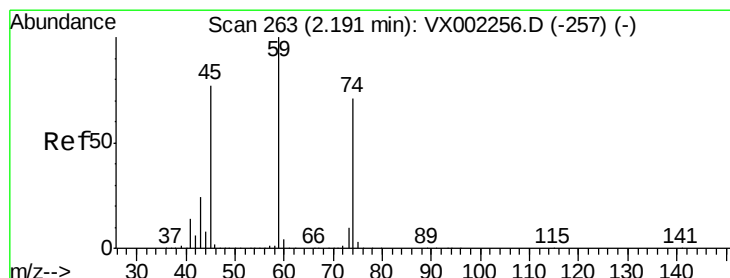
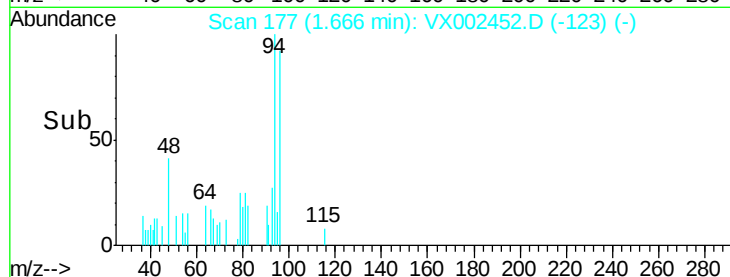
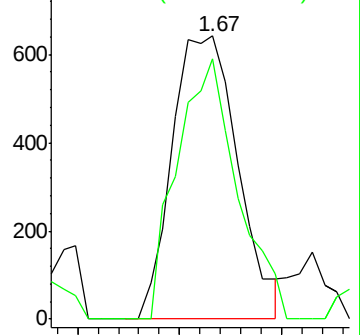
94 100

96 91.9 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: 2.25 min Scan# 273

Delta R.T. 0.06 min

Lab File: VX002452.D

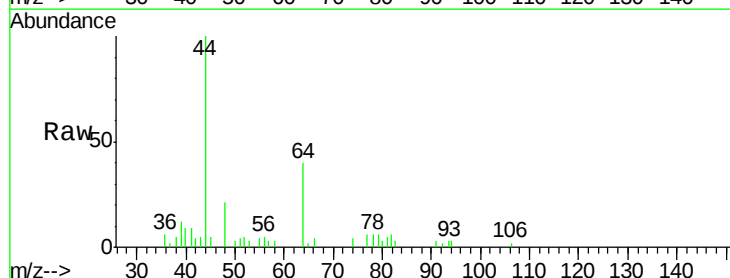
Acq: 11 Jun 2018 19:22

Tgt Ion: 74 Resp: 51

Ion Ratio Lower Upper

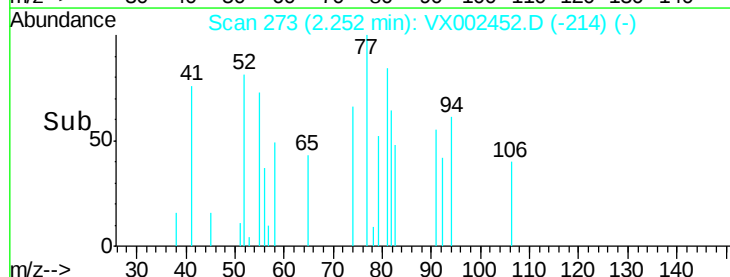
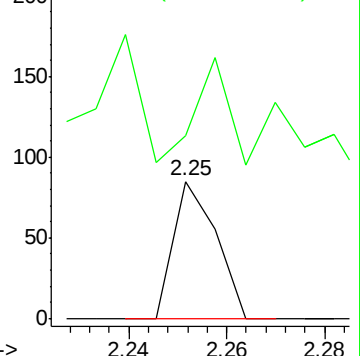
74 100

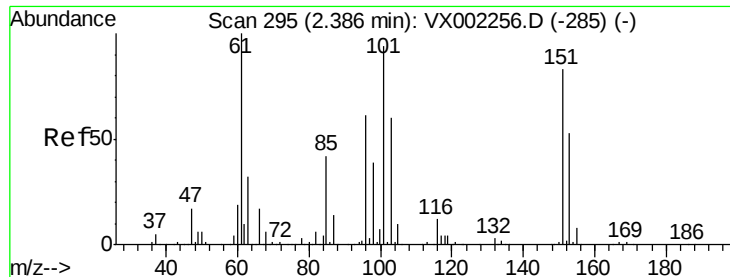
45 129.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.45 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW059-180606

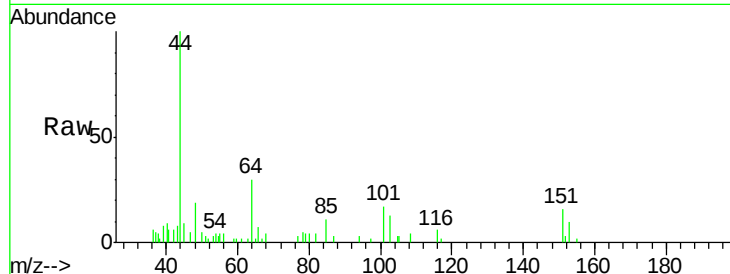
Tgt Ion:101 Resp: 1073

Ion Ratio Lower Upper

101 100

85 50.0 36.0 54.0

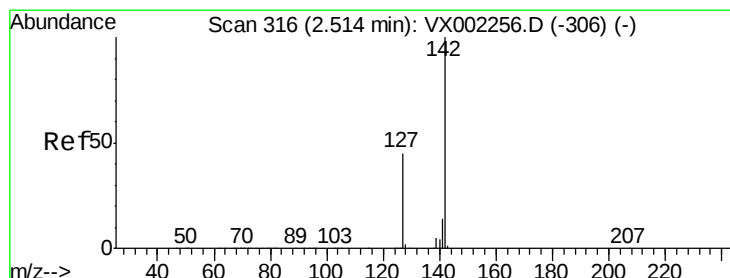
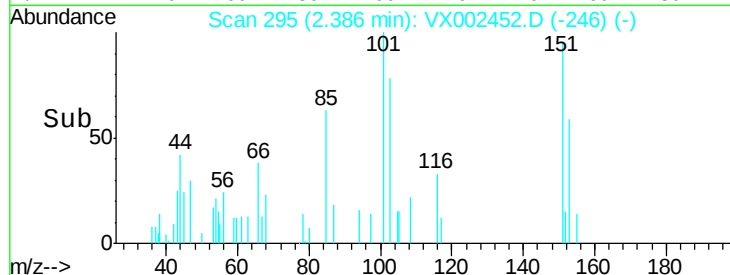
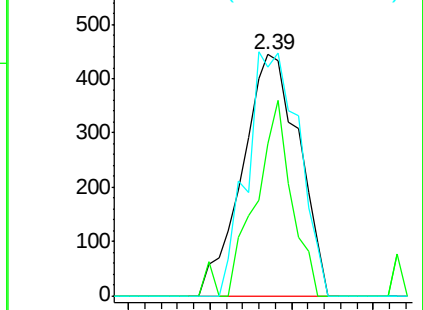
151 92.5 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.42 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

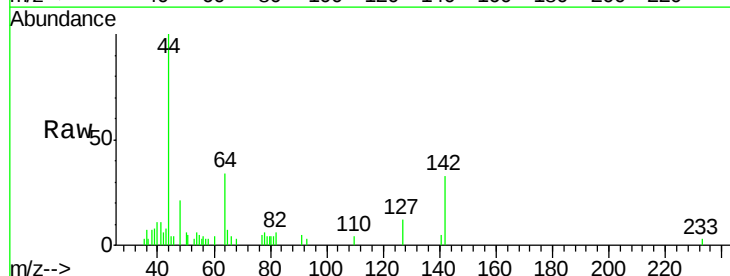
Tgt Ion:142 Resp: 1392

Ion Ratio Lower Upper

142 100

127 45.1 36.6 55.0

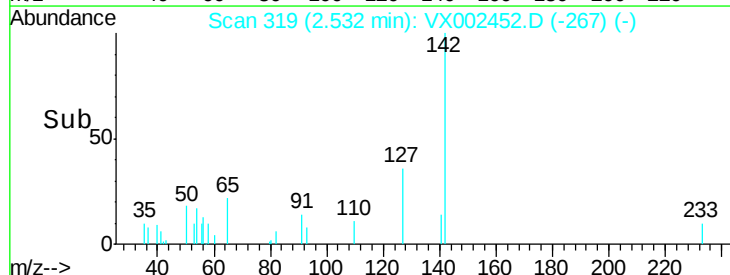
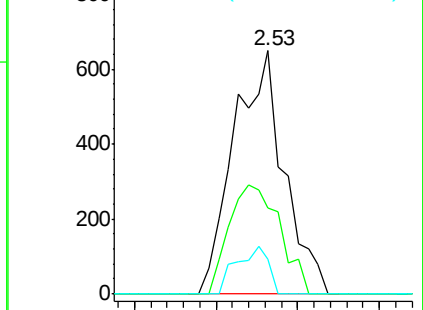
141 12.5 11.3 16.9

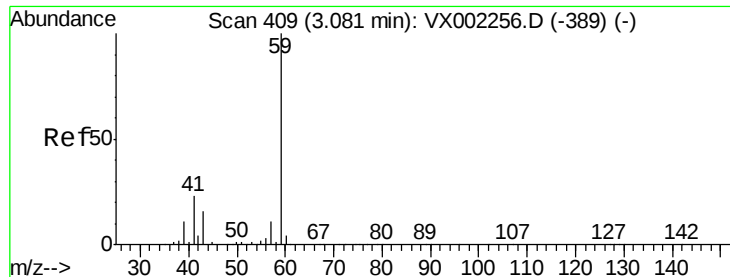


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



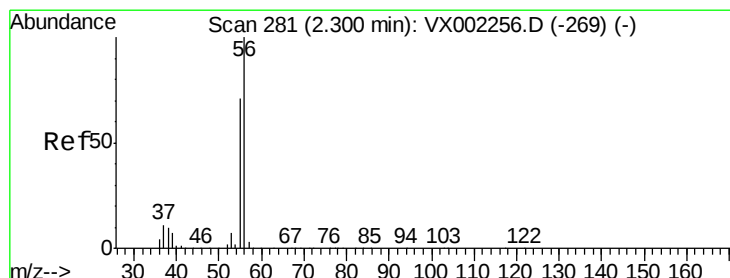
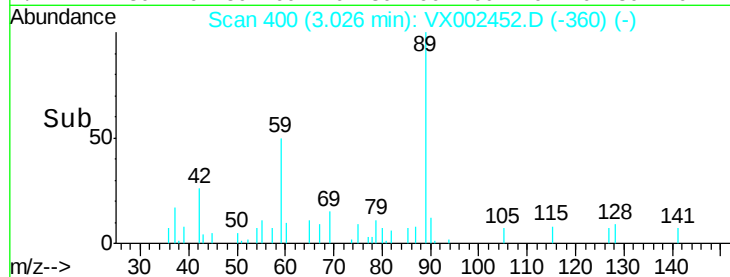
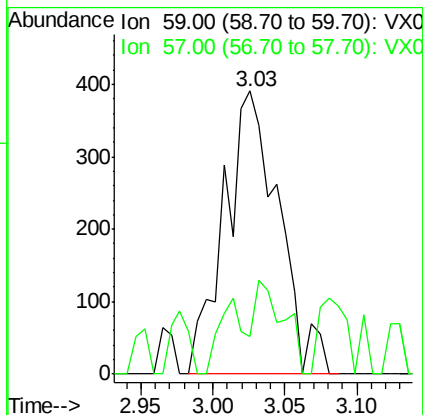
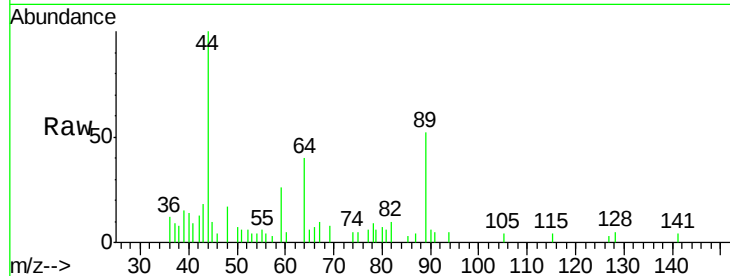


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
SS050MW059-180606

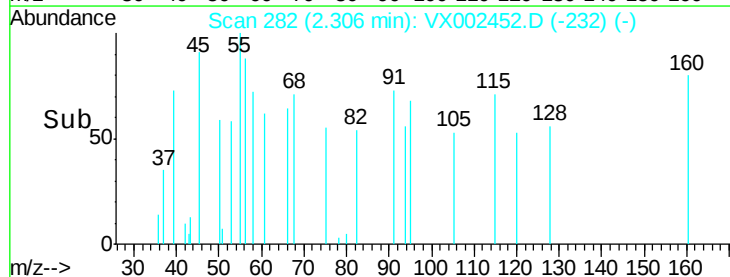
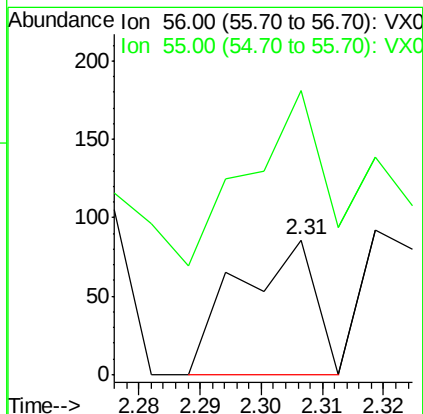
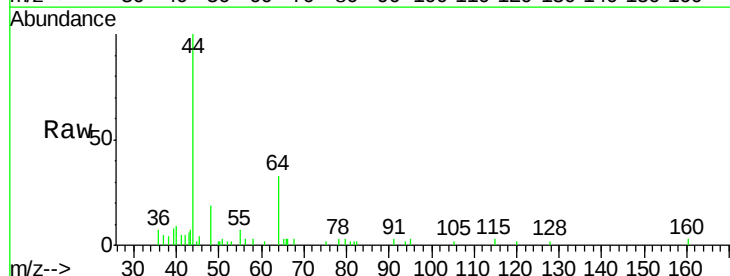
Tgt Ion: 59 Resp: 1020
Ion Ratio Lower Upper
59 100
57 17.1 8.2 12.2#

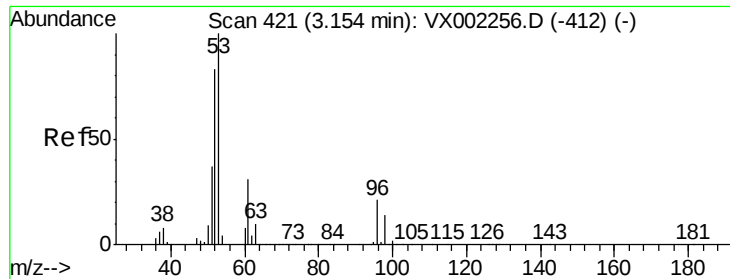


#13

Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 208.0 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW059-180606

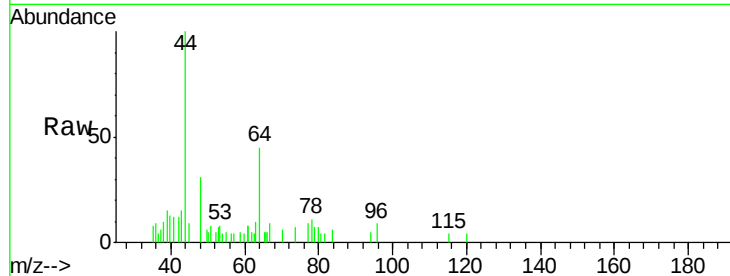
Tgt Ion: 53 Resp: 320

Ion Ratio Lower Upper

53 100

52 50.9 66.7 100.1#

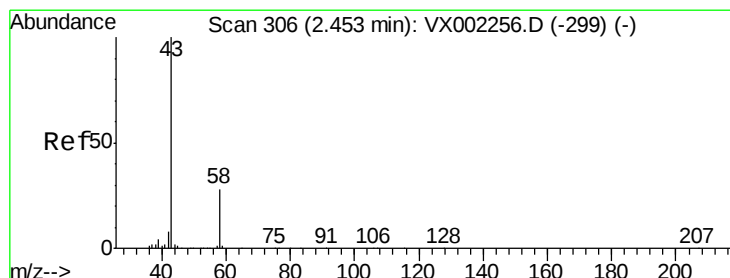
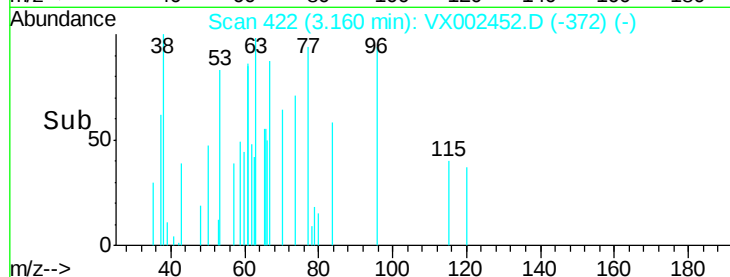
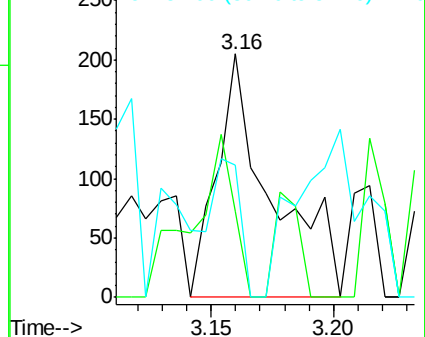
51 25.9 29.9 44.9#



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



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002452.D

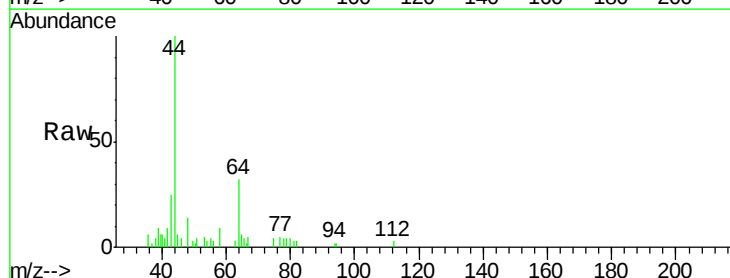
Acq: 11 Jun 2018 19:22

Tgt Ion: 43 Resp: 676

Ion Ratio Lower Upper

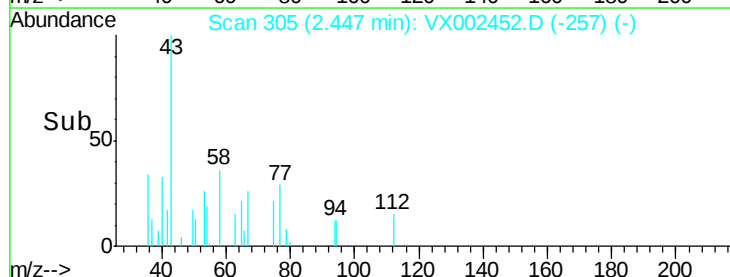
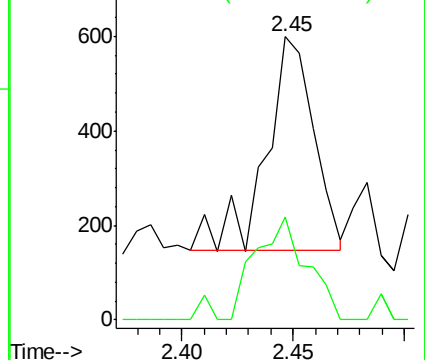
43 100

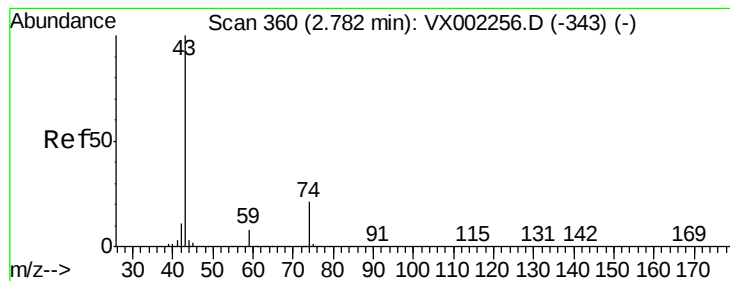
58 48.1 22.1 33.1#



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: 2.76 min Scan# 357

Delta R.T. -0.02 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

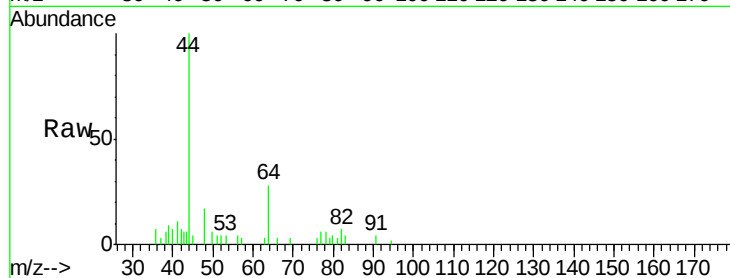
SS050MW059-180606

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

74 94.6 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

250

200

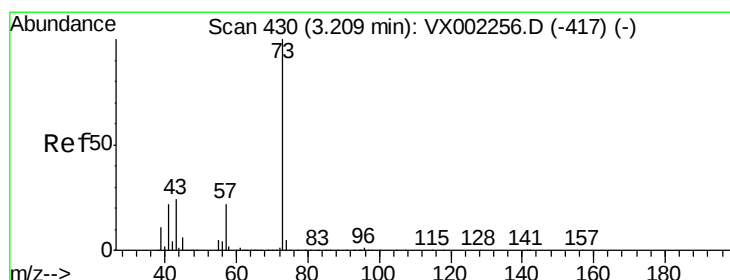
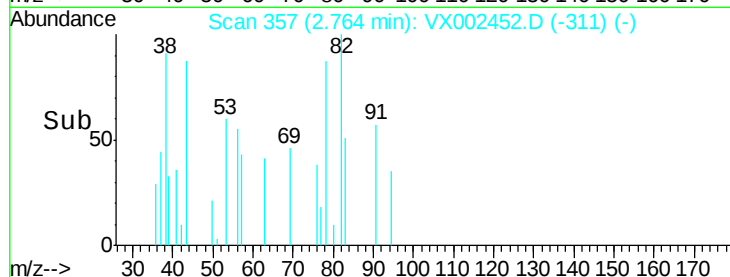
150

100

50

0

Time-->



#19

Methyl tert-butyl Ether

Concen: Below Cal

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX002452.D

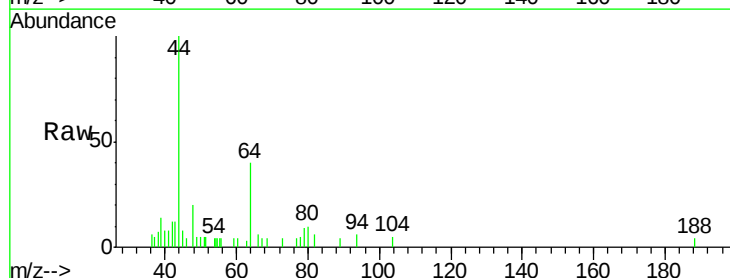
Acq: 11 Jun 2018 19:22

Tgt Ion: 73 Resp: 21

Ion Ratio Lower Upper

73 100

57 0.0 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

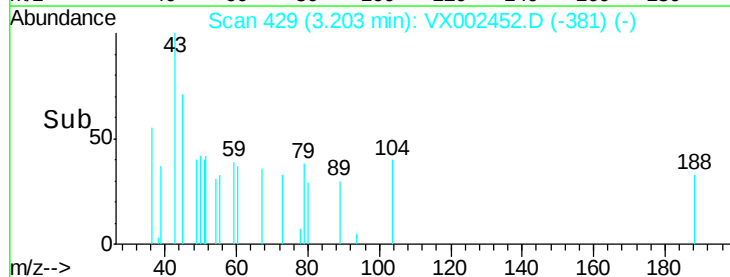
150

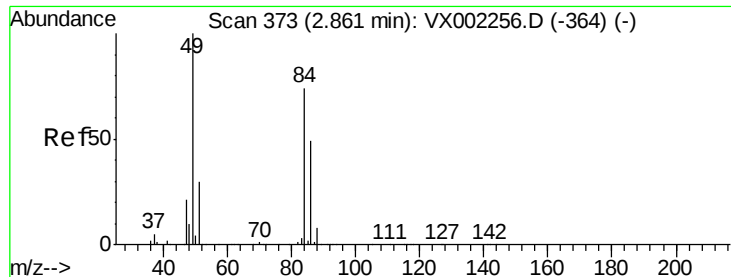
100

50

0

Time-->

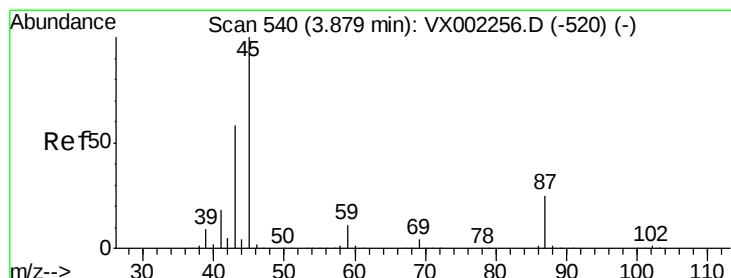
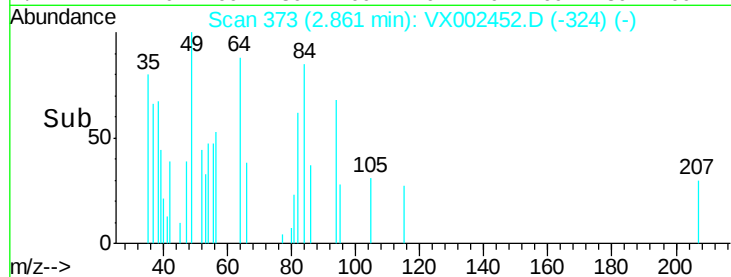
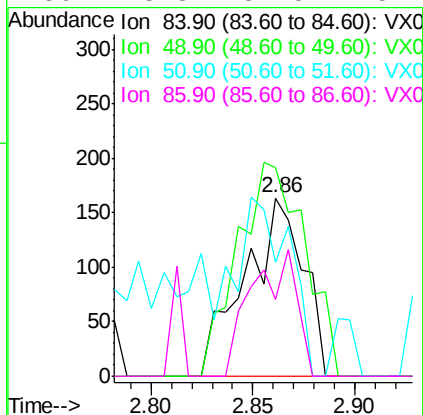
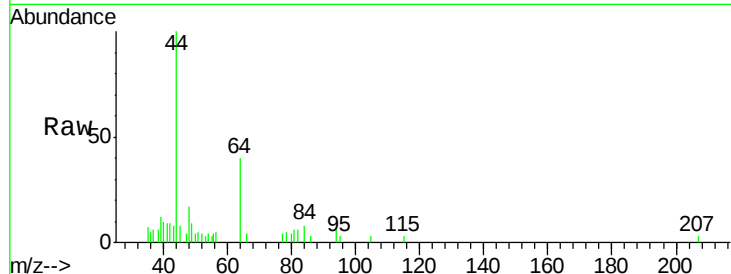




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

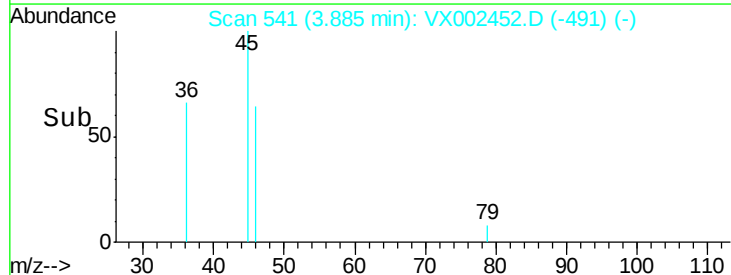
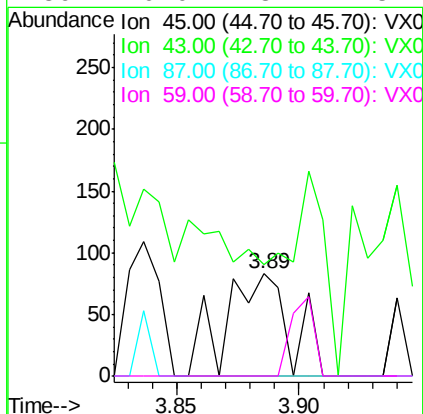
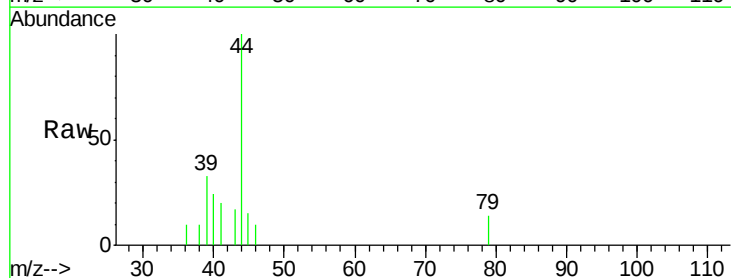
Instrument :
MSVOA_X
ClientSampleId :
SS050MW059-180606

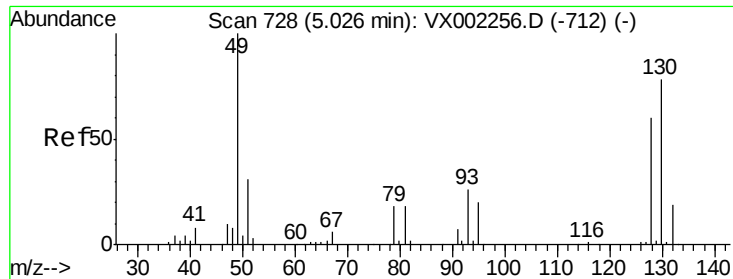
Tgt Ion: 84 Resp: 327
Ion Ratio Lower Upper
84 100
49 117.1 107.8 161.6
51 31.7 32.8 49.2#
86 43.3 52.5 78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.89 min Scan# 541
Delta R.T. 0.01 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Tgt Ion: 45 Resp: 156
Ion Ratio Lower Upper
45 100
43 108.4 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

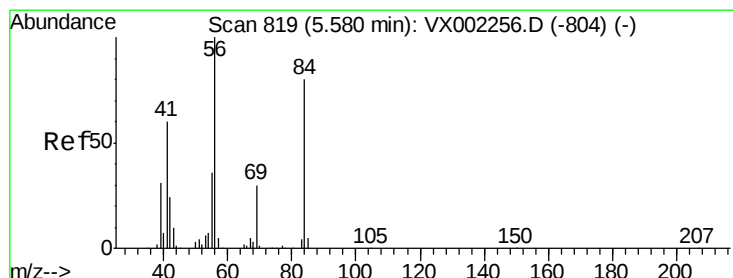
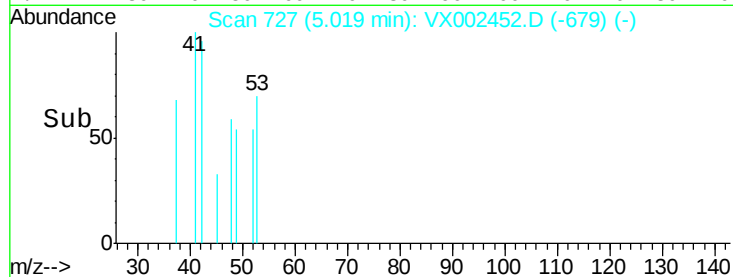
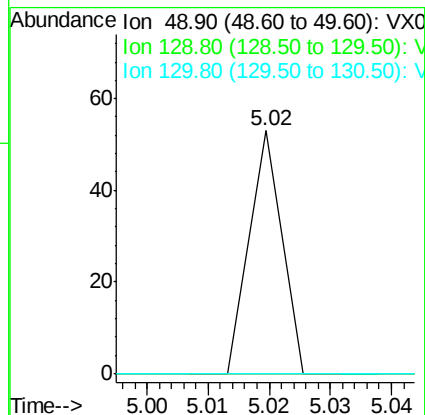
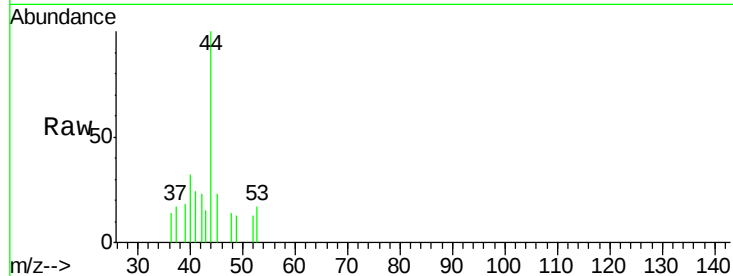
MSVOA_X

ClientSampleId :

SS050MW059-180606

Tgt Ion: 49 Resp: 19

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



#31

Cyclohexane

Concen: 1.28 ug/l

RT: 5.67 min Scan# 834

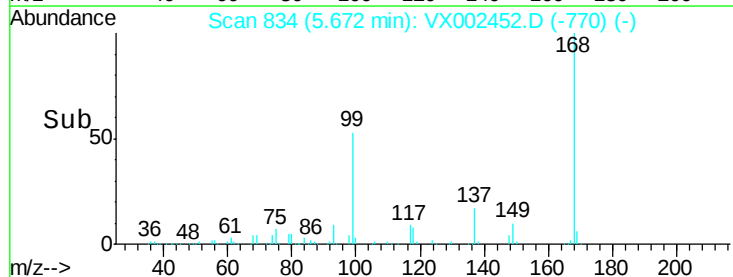
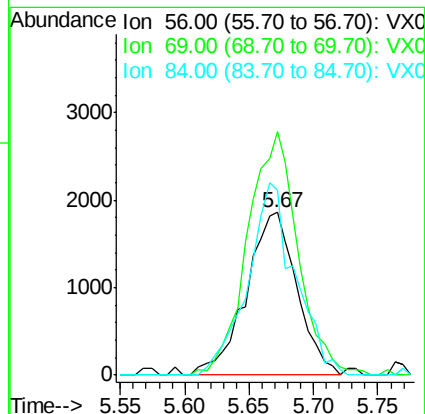
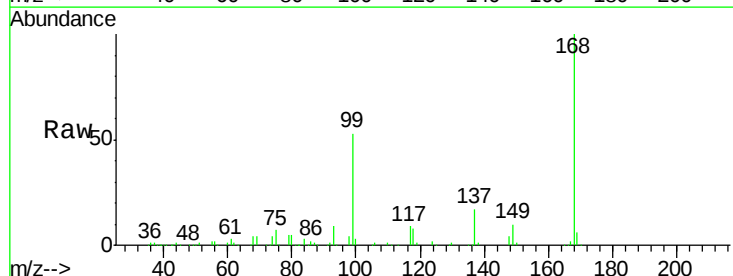
Delta R.T. 0.09 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Tgt Ion: 56 Resp: 5079

Ion	Ratio	Lower	Upper
56	100		
69	149.4	23.7	35.5#
84	113.2	64.1	96.1#

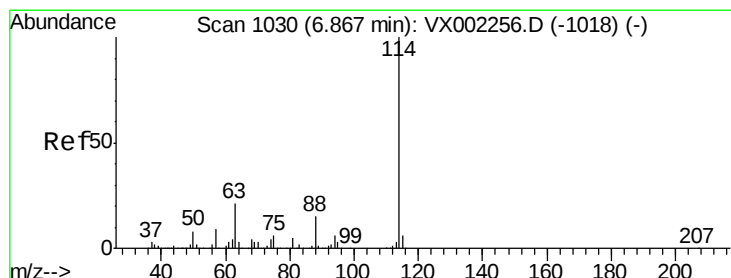
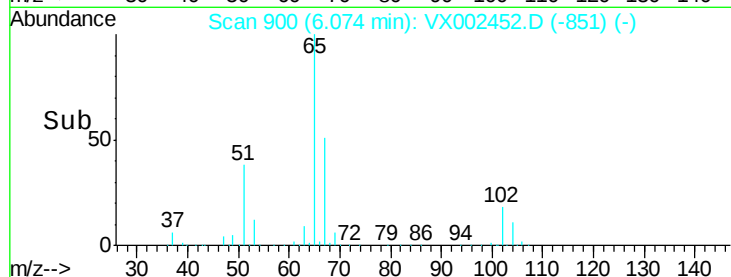
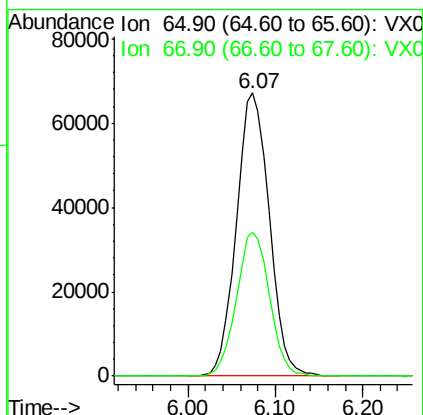
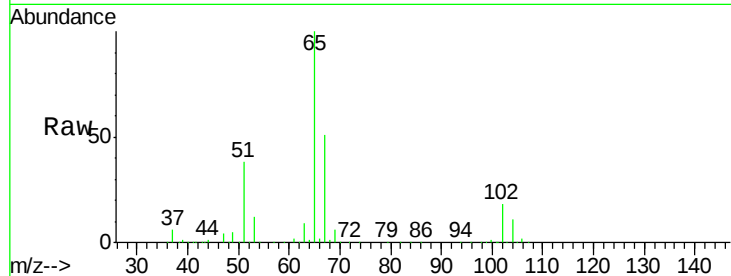




#33
 1,2-Dichloroethane-d4
 Concen: 56.54 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002452.D
 Acq: 11 Jun 2018 19:22

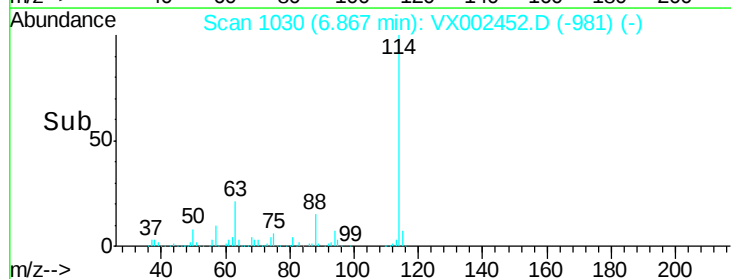
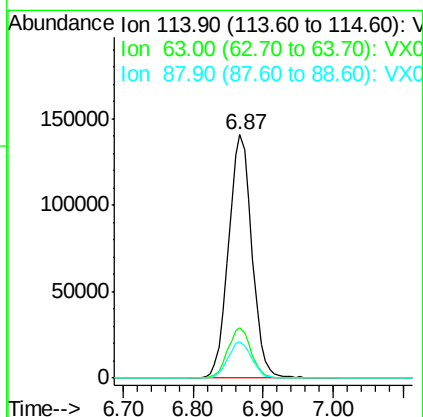
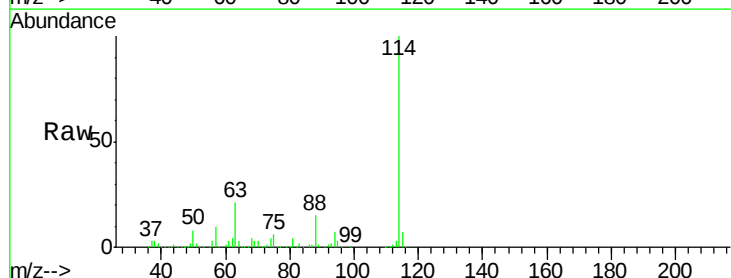
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW059-180606

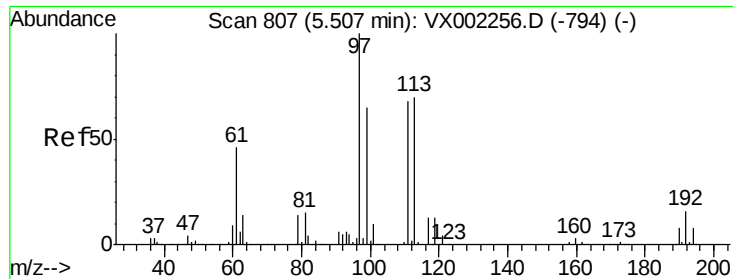
Tgt Ion: 65 Resp: 175681
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002452.D
 Acq: 11 Jun 2018 19:22

Tgt Ion: 114 Resp: 327531
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.64 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW059-180606

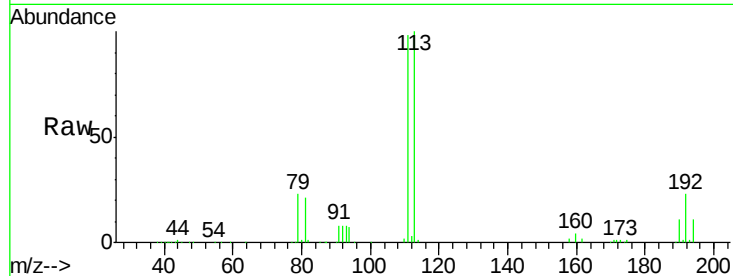
Tgt Ion:113 Resp: 133017

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

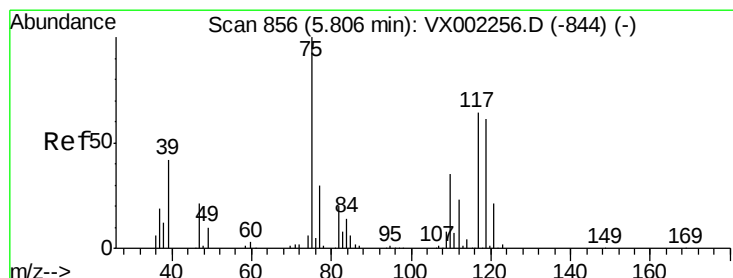
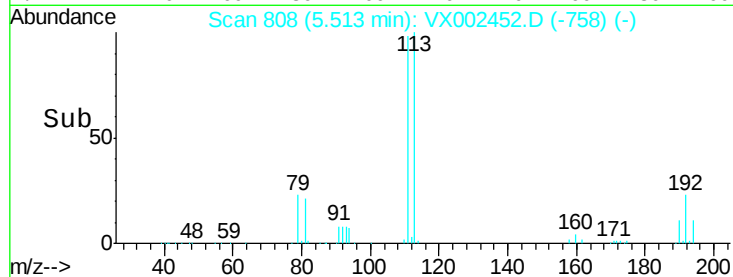
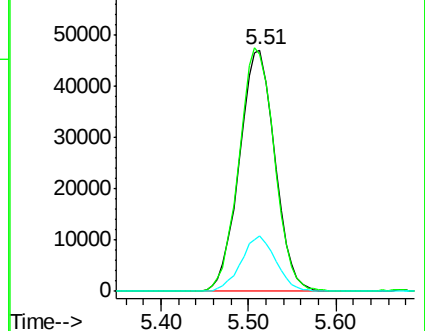
192 22.3 19.1 28.7



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: 4.72 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.15 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

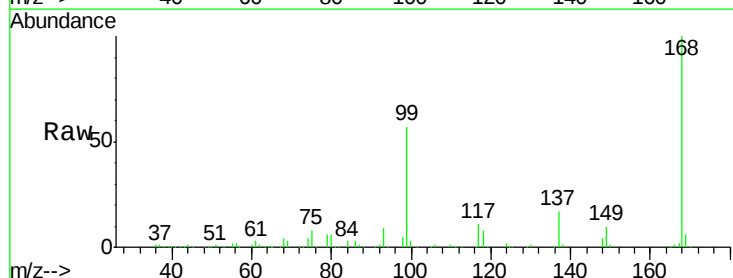
Tgt Ion: 75 Resp: 16266

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

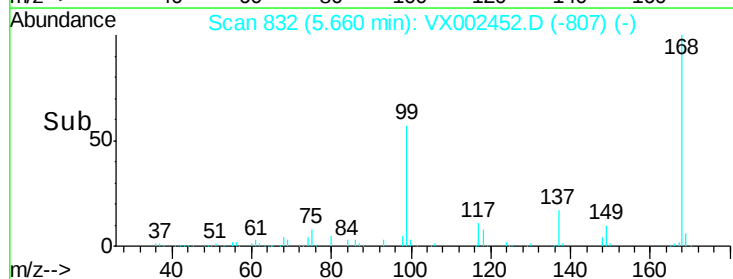
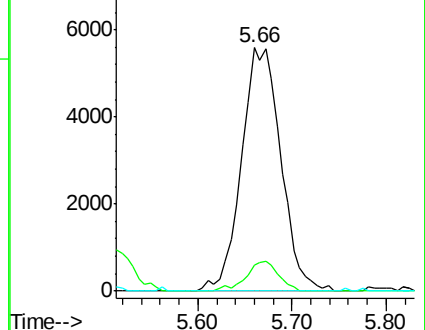
77 0.0 24.3 36.5#

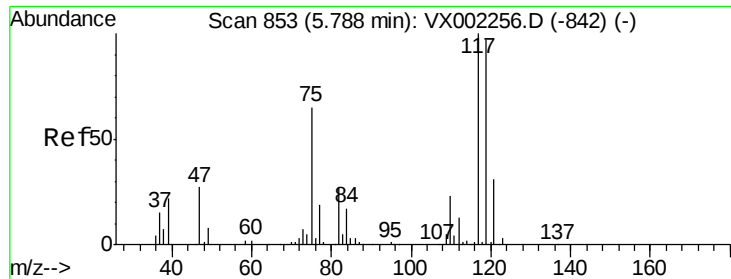


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

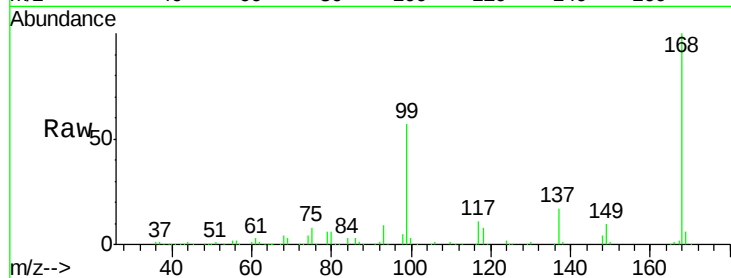




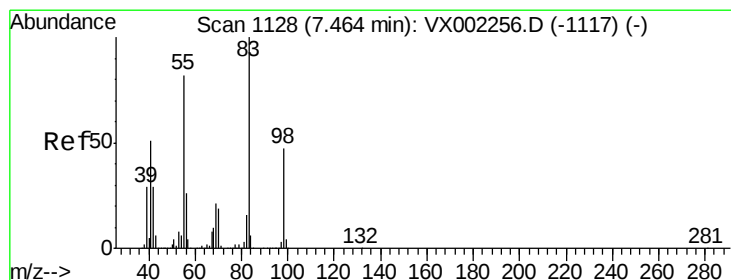
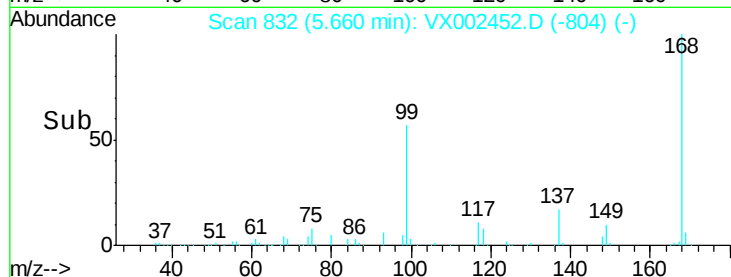
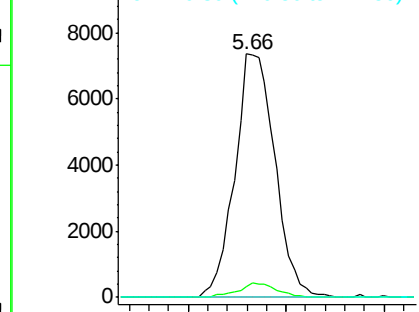
#38
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
SS050MW059-180606

Tgt Ion:117 Resp: 20907
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 24.4 36.6#

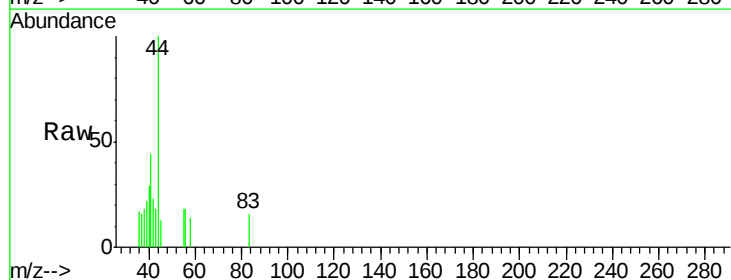


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

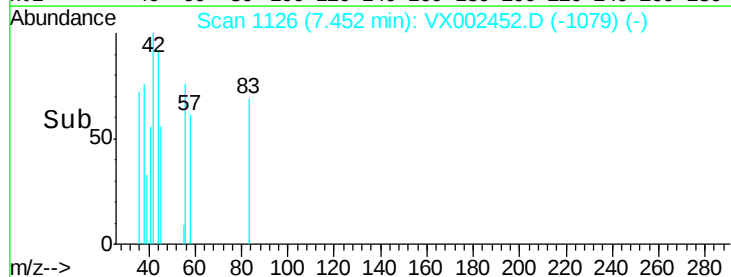
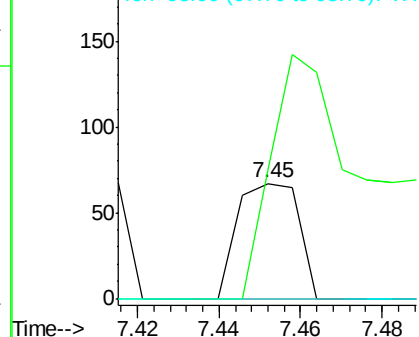


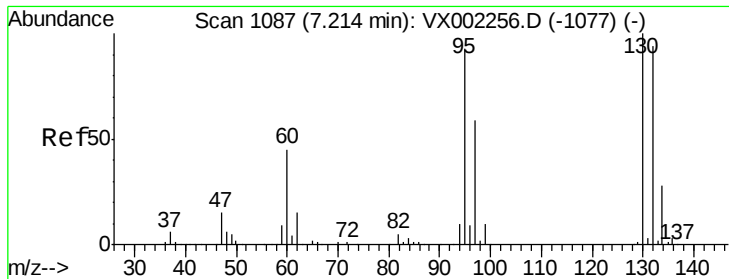
#39
Methylcyclohexane
Concen: 0.28 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Tgt Ion: 83 Resp: 70
Ion Ratio Lower Upper
83 100
55 111.9 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: 1.30 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

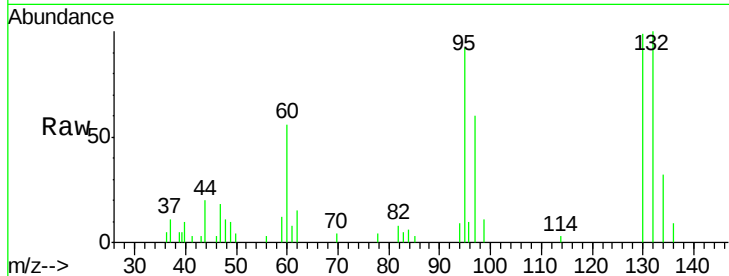
SS050MW059-180606

Tgt Ion:130 Resp: 3818

Ion Ratio Lower Upper

130 100

95 92.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

2000

1500

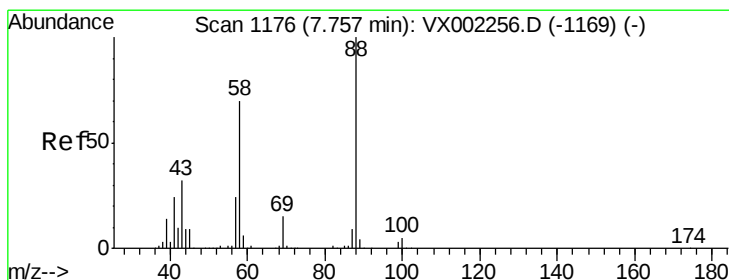
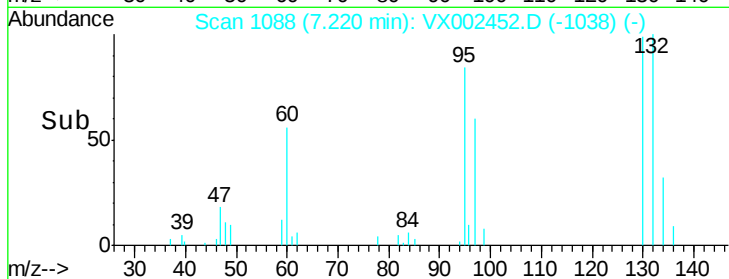
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 0.91 ug/l

RT: 7.59 min Scan# 1148

Delta R.T. -0.17 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

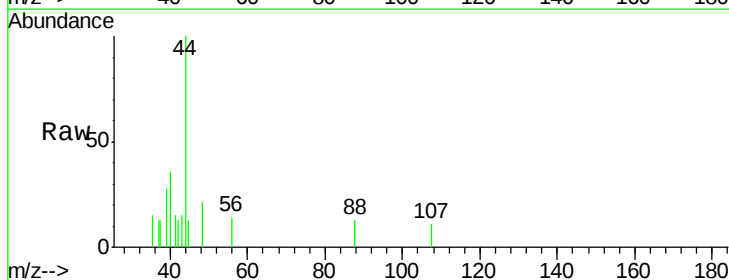
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

58 0.0 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

120

100

80

60

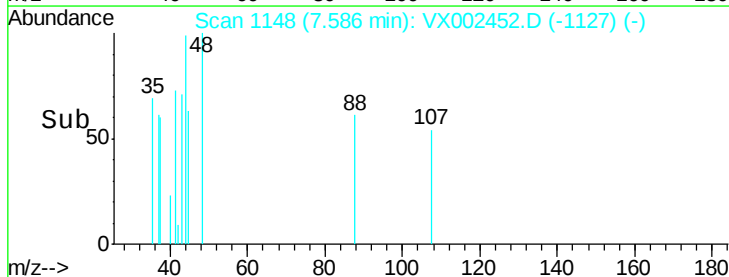
40

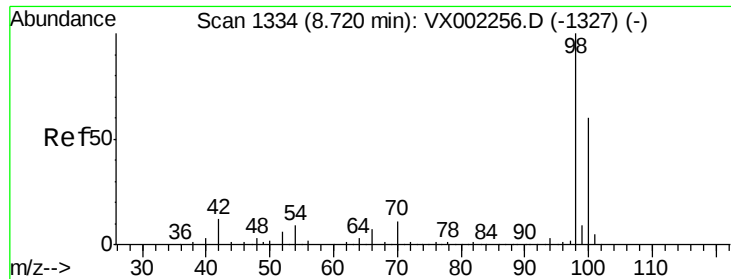
20

0

7.56 7.58 7.60 7.62

Time-->

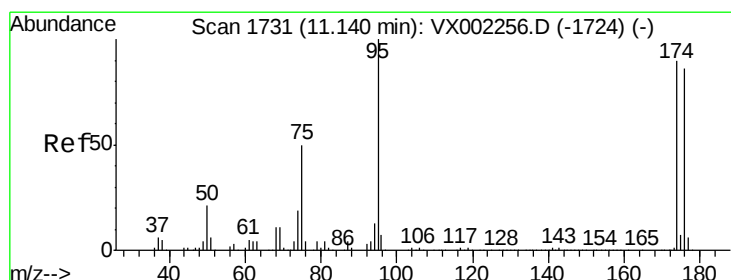
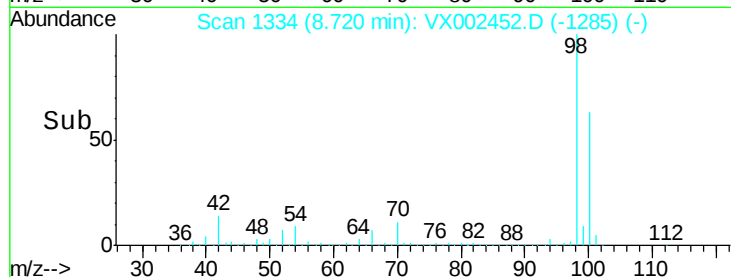
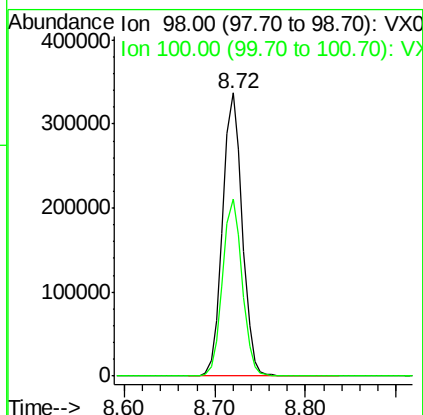
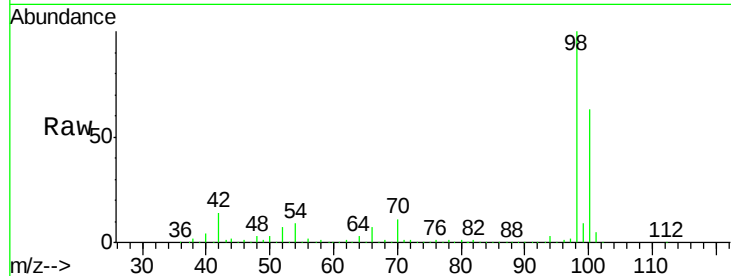




#50
Toluene-d8
Concen: 51.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

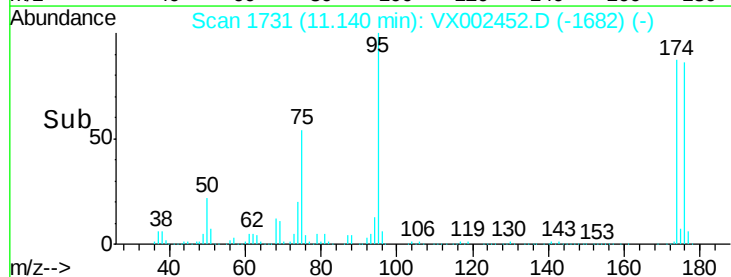
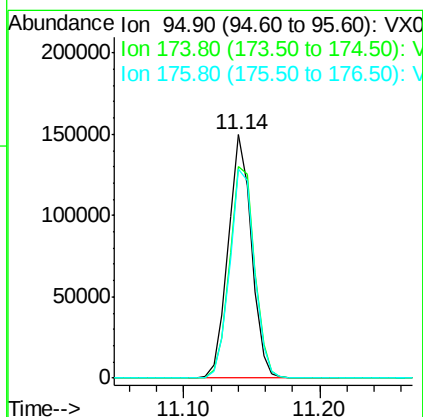
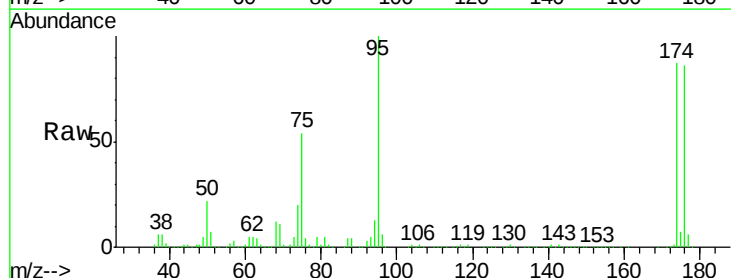
Instrument :
MSVOA_X
ClientSampleId :
SS050MW059-180606

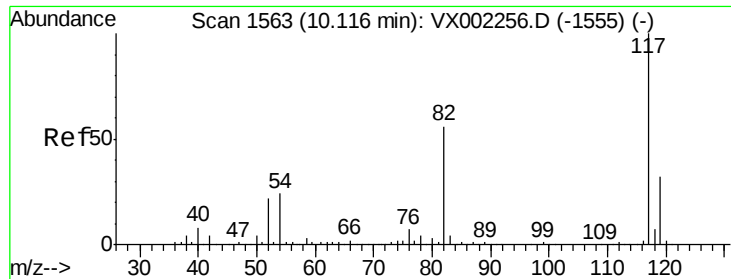
Tgt Ion: 98 Resp: 511175
Ion Ratio Lower Upper
98 100
100 62.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Tgt Ion: 95 Resp: 178355
Ion Ratio Lower Upper
95 100
174 93.6 0.0 187.4
176 90.6 0.0 181.0

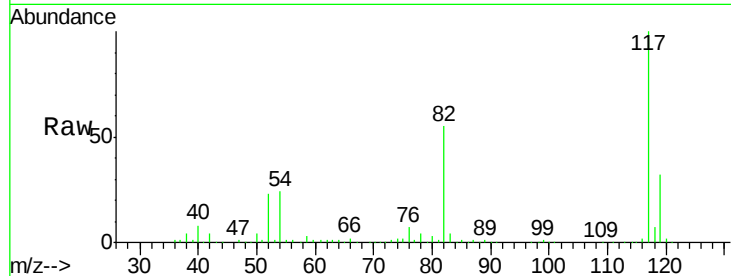




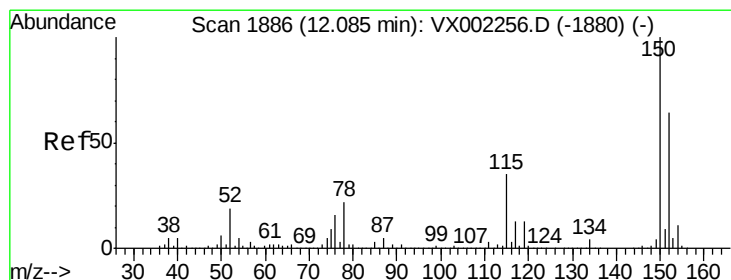
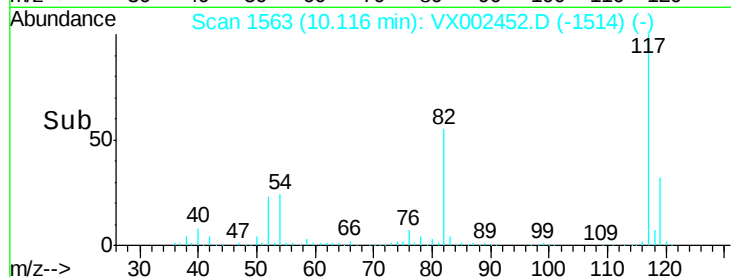
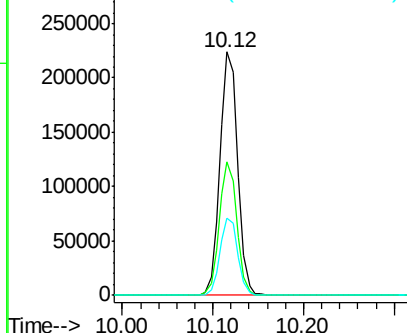
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Instrument :
MSVOA_X
ClientSampleId :
SS050MW059-180606

Tgt Ion:117 Resp: 305301
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 31.8 25.8 38.6

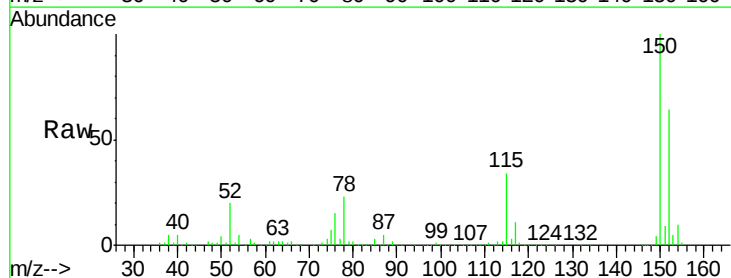


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

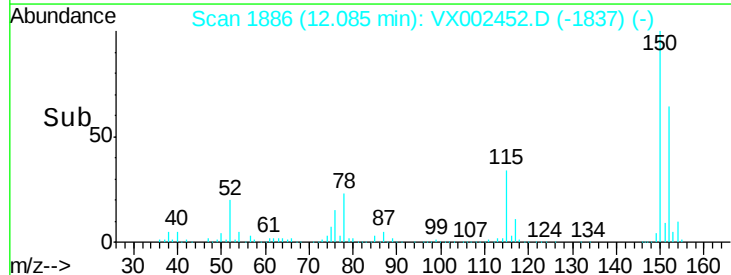
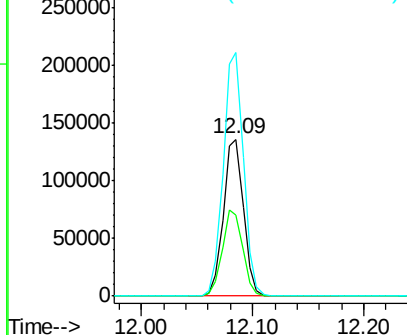


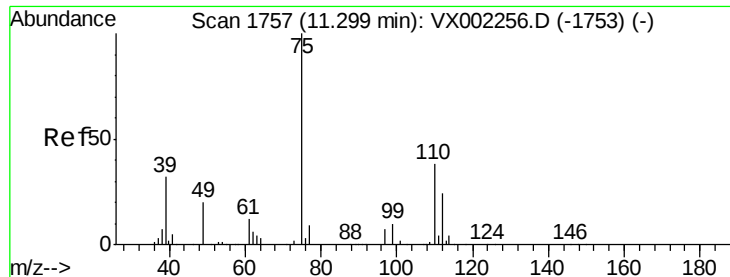
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002452.D
Acq: 11 Jun 2018 19:22

Tgt Ion:152 Resp: 169240
Ion Ratio Lower Upper
152 100
115 55.4 40.1 120.2
150 156.1 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: 26.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

Instrument :

MSVOA_X

ClientSampleId :

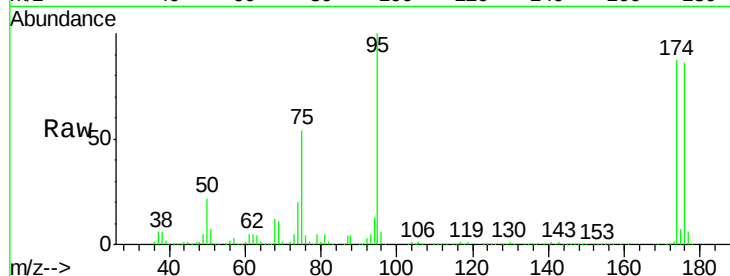
SS050MW059-180606

Tgt Ion: 75 Resp: 96861

Ion Ratio Lower Upper

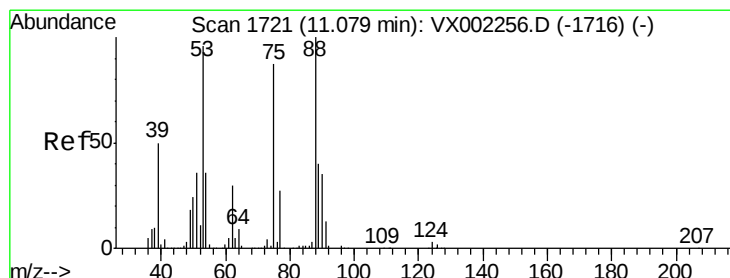
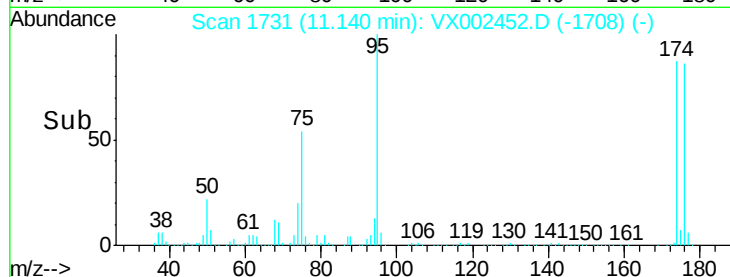
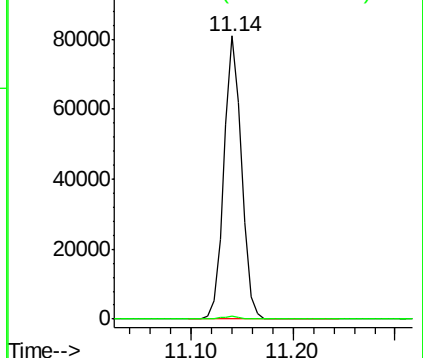
75 100

77 1.1 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: 91.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002452.D

Acq: 11 Jun 2018 19:22

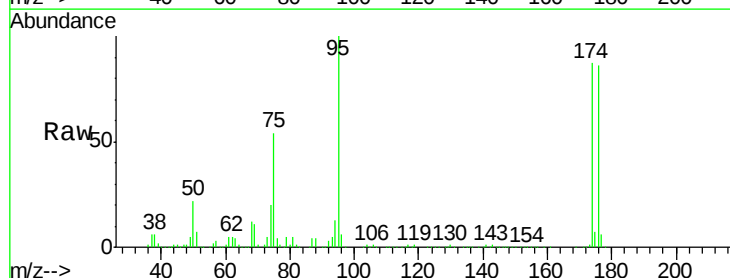
Tgt Ion: 75 Resp: 96861

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

