

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
 Data File : VX000502.D
 Acq On : 28 Mar 2018 20:58
 Operator : JC/MD
 Sample : J2102-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 7005

Quant Time: Mar 29 04:13:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	93174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	170855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	166833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	91506	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	69022	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	
35) Dibromofluoromethane	5.51	113	55249	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	8.73	98	212155	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.15	95	74129	40.66	ug/l	0.00
Spiked Amount			Recovery	=	81.32%	

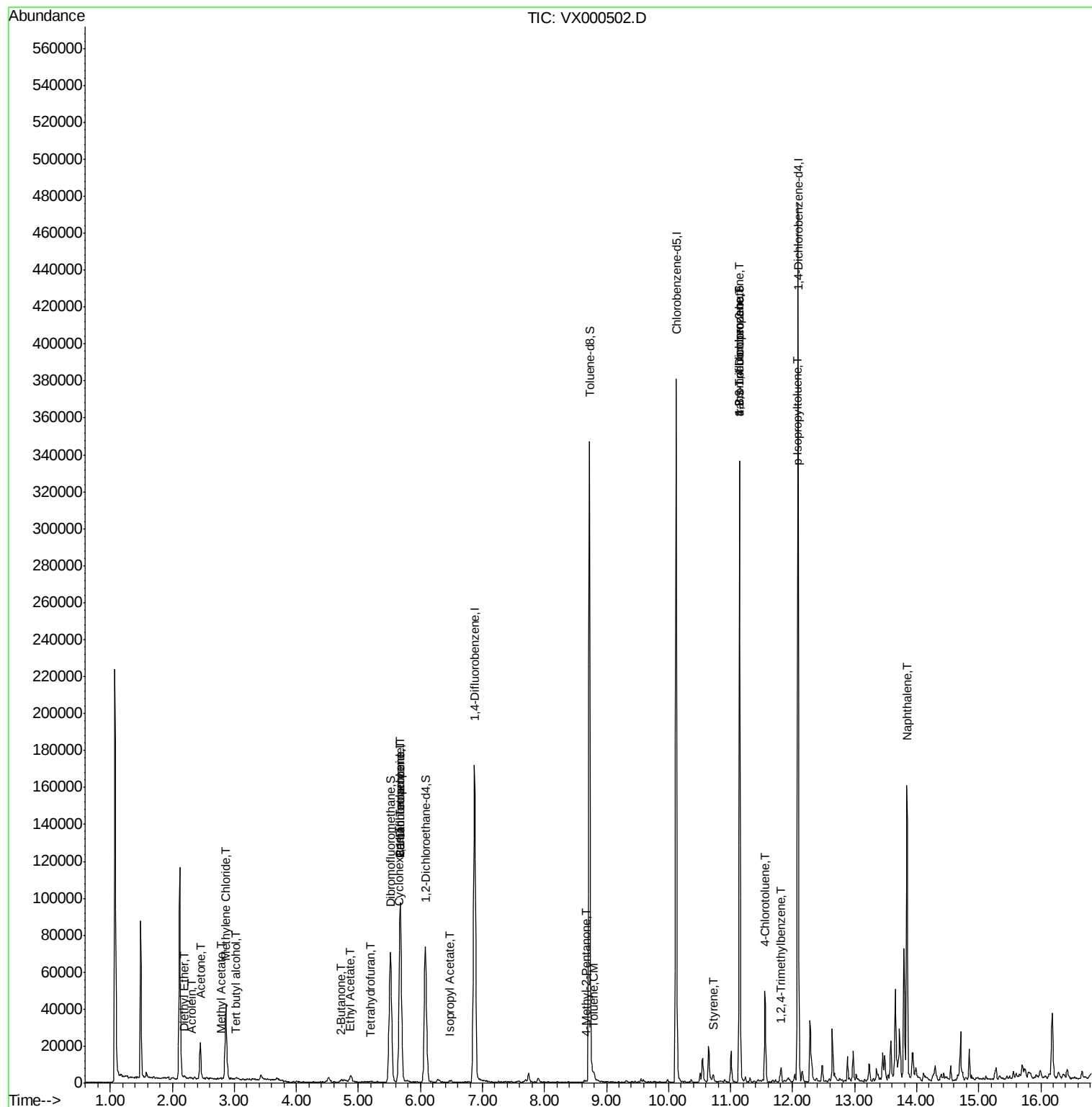
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	80	Below Cal	#	44
8) Diethyl Ether	2.19	74	298	0.40	ug/l	# 4
11) Tert butyl alcohol	3.03	59	442	1.06	ug/l	96
13) Acrolein	2.31	56	46	14.90	ug/l	# 13
14) Allyl chloride	2.74	41	55	Below Cal	#	22
16) Acetone	2.45	43	20654	20.41	ug/l	98
18) Methyl Acetate	2.79	43	640	0.30	ug/l	# 51
20) Methylene Chloride	2.86	84	17396	14.89	ug/l	95
25) 2-Butanone	4.72	43	2443	2.15	ug/l	# 75
29) Tetrahydrofuran	5.18	42	259	0.37	ug/l	# 56
31) Cyclohexane	5.65	56	2598	1.69	ug/l	# 64
36) 1,1-Dichloropropene	5.67	75	7371	4.61	ug/l	# 50
37) Ethyl Acetate	4.87	43	6838	3.13	ug/l	# 95
38) Carbon Tetrachloride	5.67	117	9219	5.49	ug/l	# 15
43) Isopropyl Acetate	6.48	43	993	0.31	ug/l	# 82
51) 4-Methyl-2-Pentanone	8.66	43	1005	0.40	ug/l	# 65
52) Toluene	8.79	92	890	0.27	ug/l	94
70) Styrene	10.72	104	1512	0.38	ug/l	93
74) N-amyl acetate	6.48	43	993	Below Cal	#	76
76) 1,2,3-Trichloropropane	11.15	75	42105	21.41	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	42105	69.32	ug/l	# 9
82) 4-Chlorotoluene	11.55	91	5607	1.12	ug/l	# 44
84) 1,2,4-Trimethylbenzene	11.82	105	2553	0.48	ug/l	99
86) p-Isopropyltoluene	12.07	119	2231	0.39	ug/l	# 62
95) Naphthalene	13.84	128	92904	12.43	ug/l	99

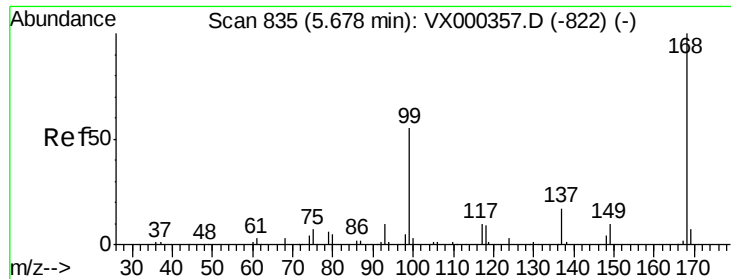
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032818\
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Instrument :
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ClientSampleId :
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Quant Time: Mar 29 04:13:41 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

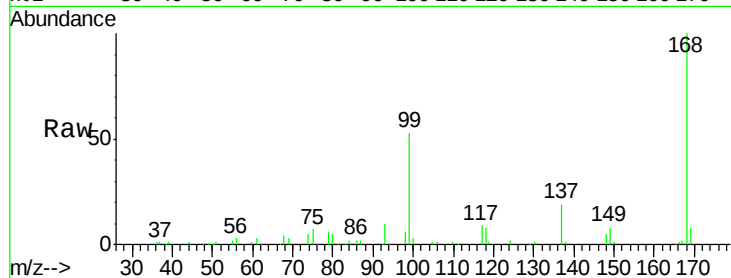
7005

Tgt Ion:168 Resp: 93174

Ion Ratio Lower Upper

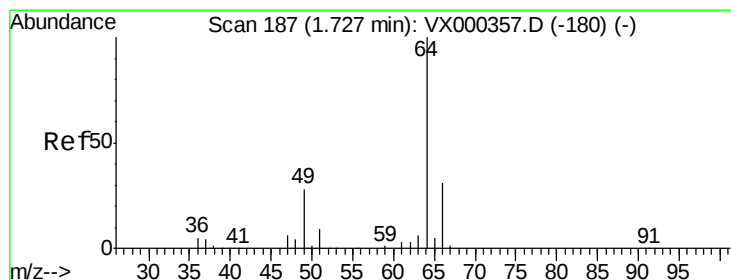
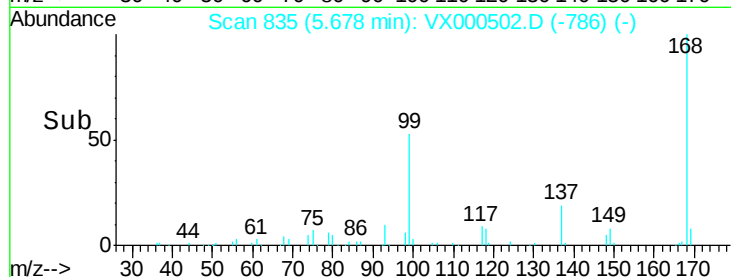
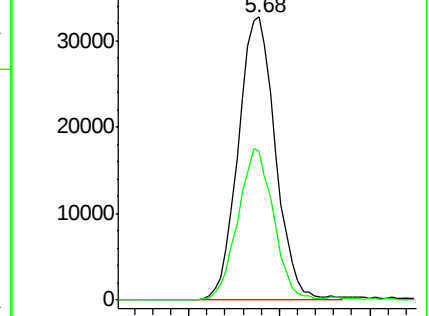
168 100

99 52.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX000502.D

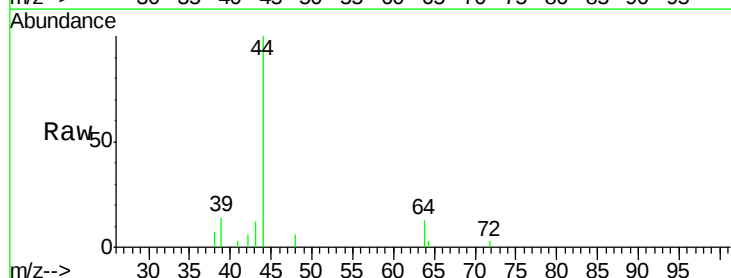
Acq: 28 Mar 2018 20:58

Tgt Ion: 64 Resp: 80

Ion Ratio Lower Upper

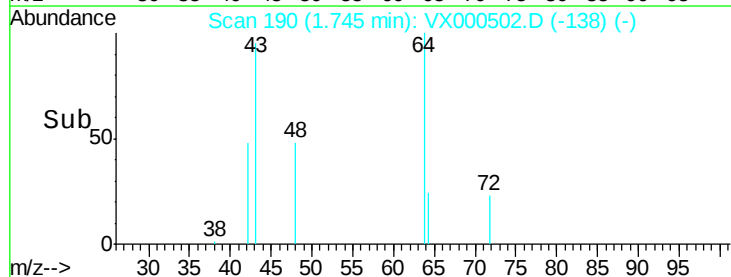
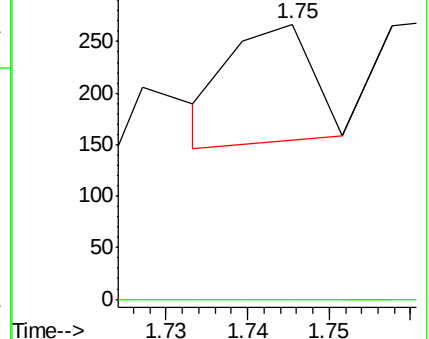
64 100

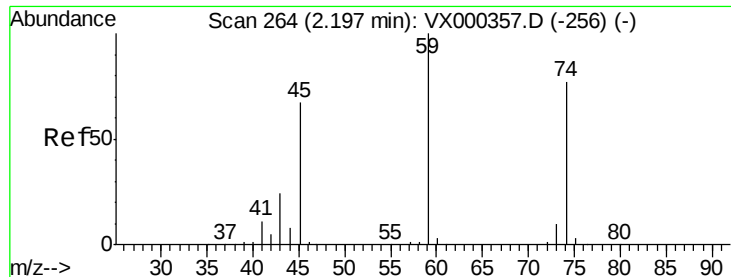
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

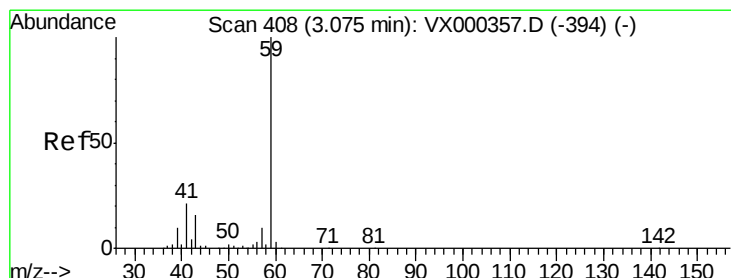
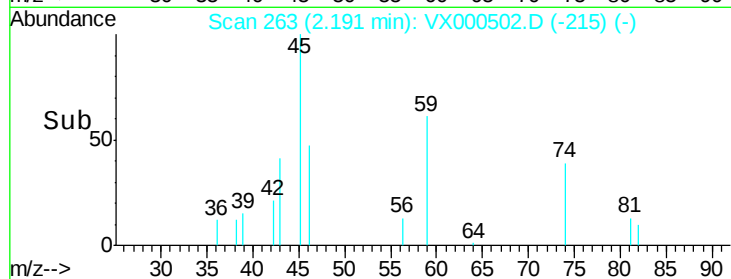
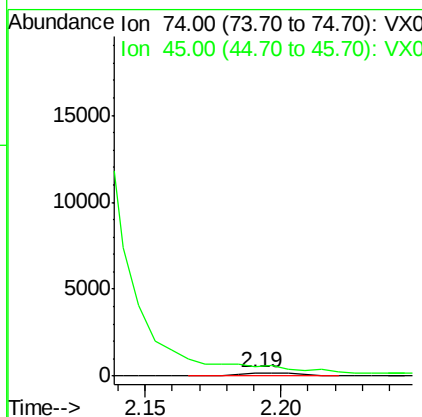
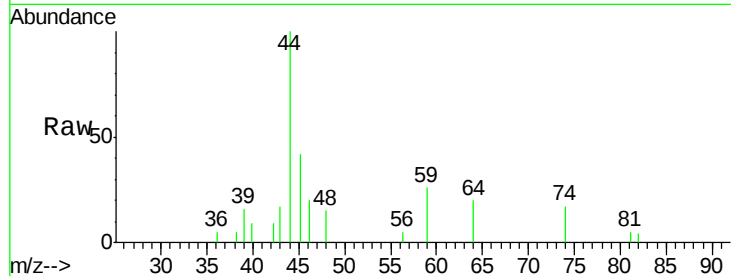




#8
 Diethyl Ether
 Concen: 0.40 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000502.D
 Acq: 28 Mar 2018 20:58

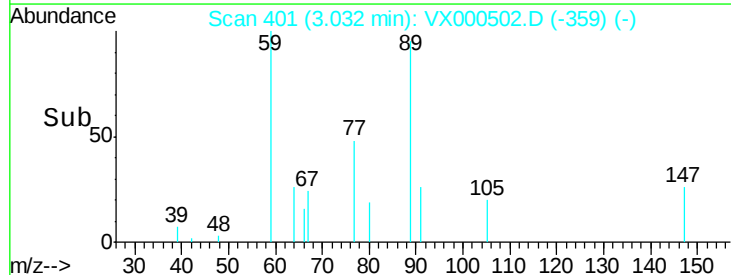
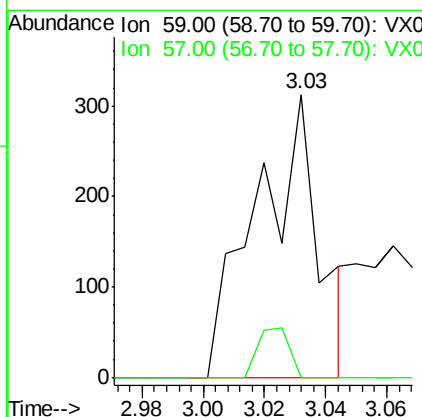
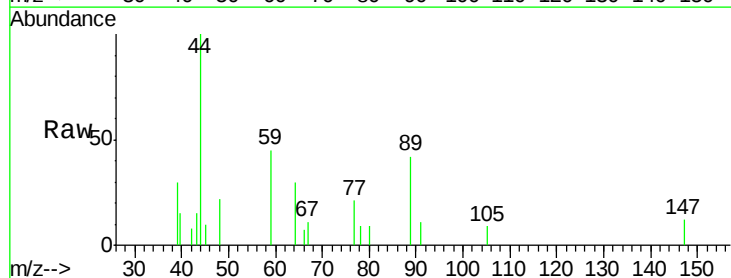
Instrument :
 MSVOA_X
 ClientSampled :
 7005

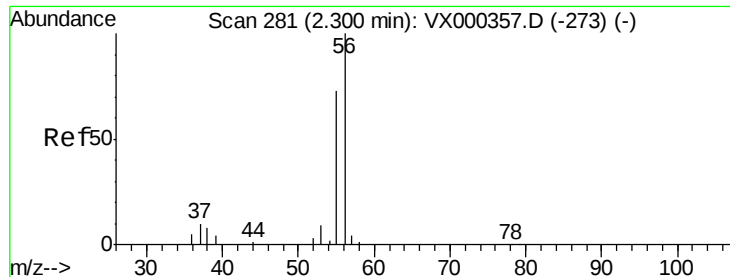
Tgt Ion: 74 Resp: 298
 Ion Ratio Lower Upper
 74 100
 45 0.0 45.1 135.3#



#11
 Tert butyl alcohol
 Concen: 1.06 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.04 min
 Lab File: VX000502.D
 Acq: 28 Mar 2018 20:58

Tgt Ion: 59 Resp: 442
 Ion Ratio Lower Upper
 59 100
 57 8.8 8.4 12.6





#13

Acrolein

Concen: 14.90 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

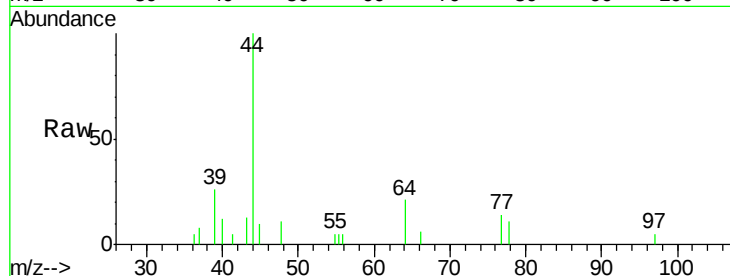
7005

Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

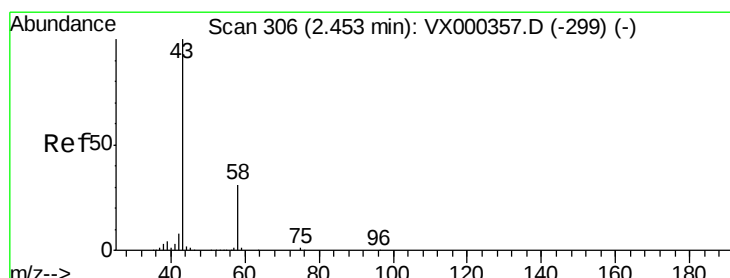
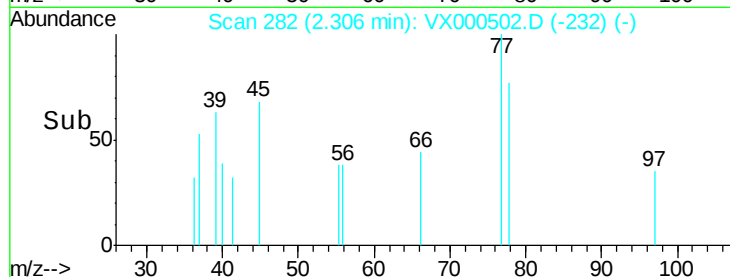
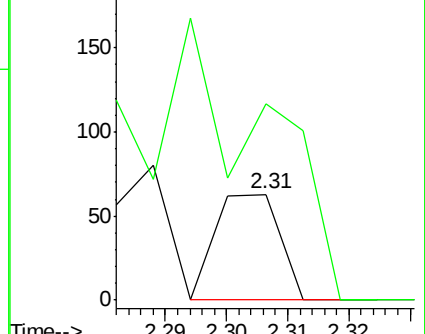
56 100

55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 20.41 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000502.D

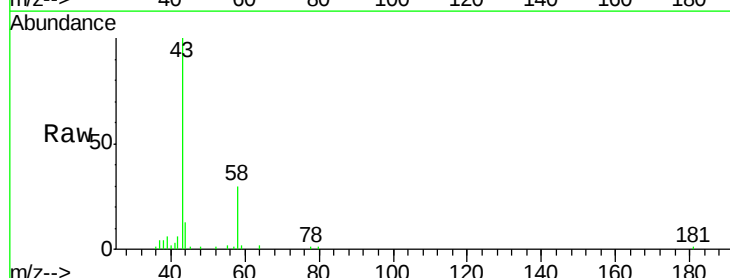
Acq: 28 Mar 2018 20:58

Tgt Ion: 43 Resp: 20654

Ion Ratio Lower Upper

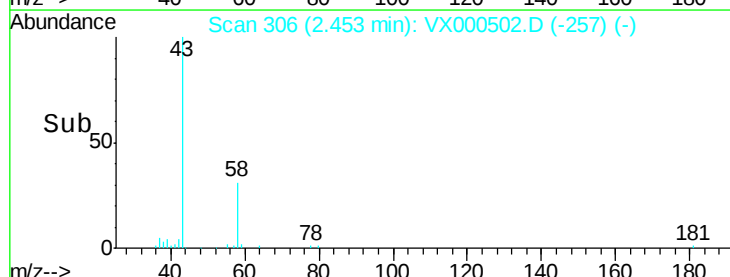
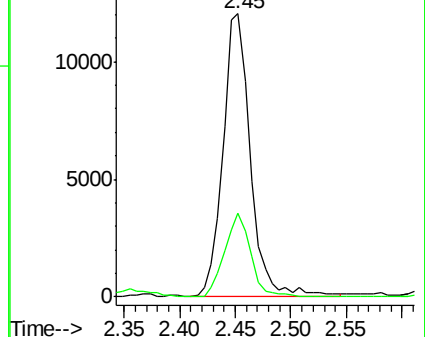
43 100

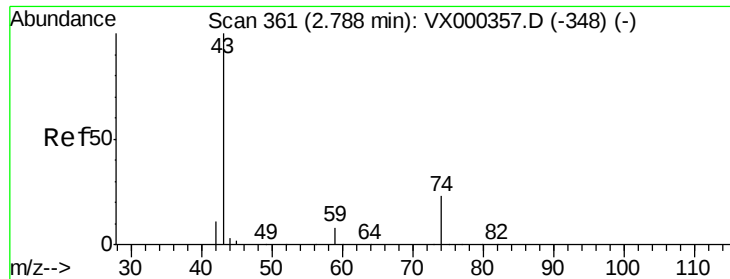
58 29.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

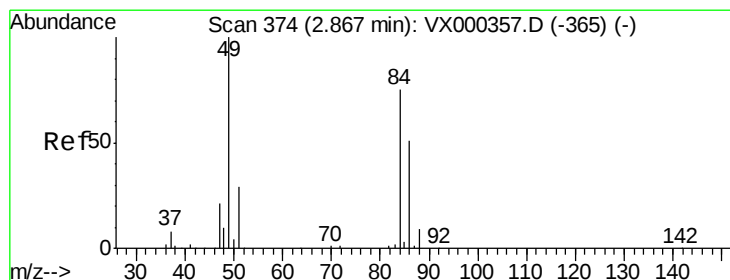
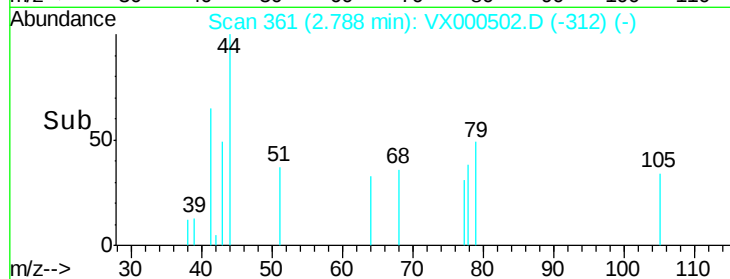
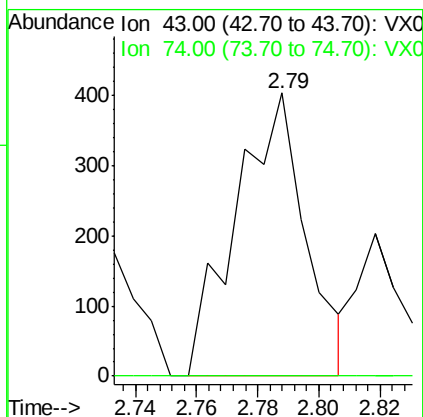
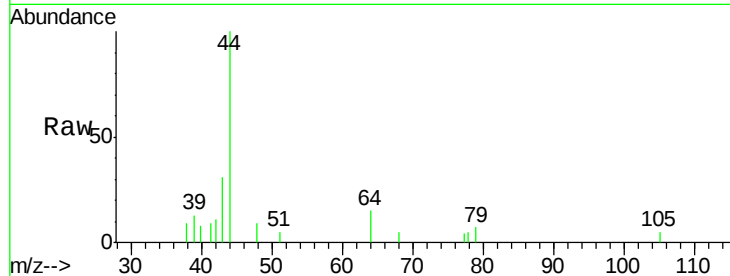




#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

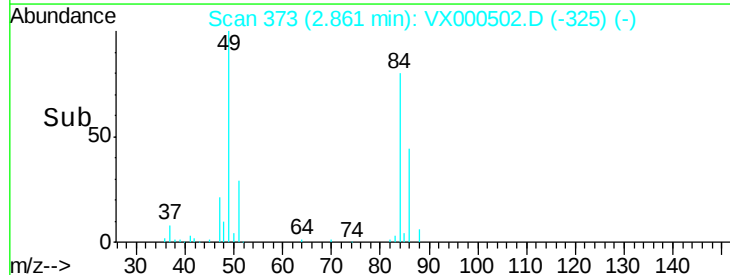
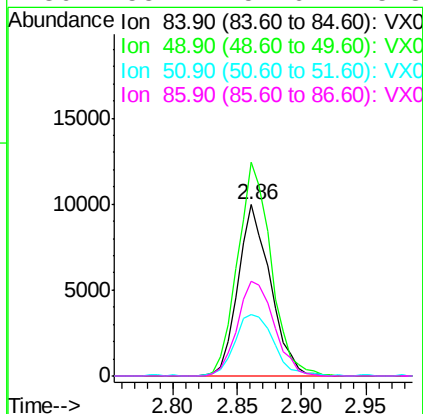
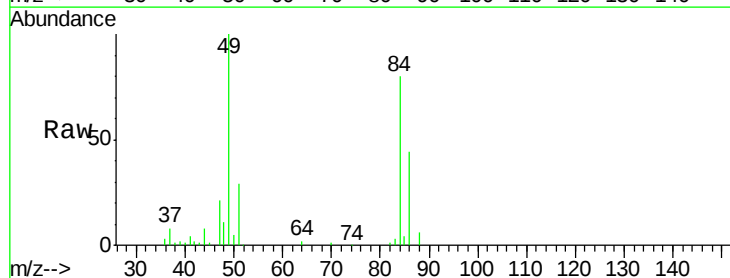
Instrument :
MSVOA_X
ClientSampleId :
7005

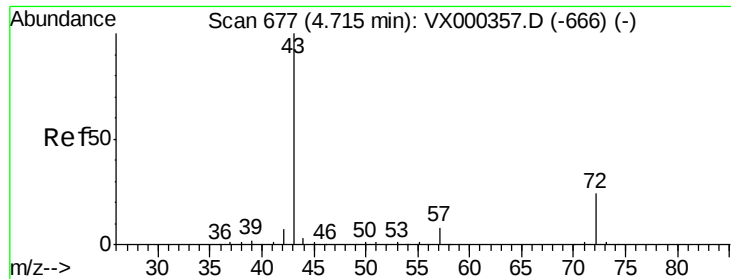
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 14.89 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Tgt Ion: 84 Resp: 17396
Ion Ratio Lower Upper
84 100
49 124.5 100.6 151.0
51 36.1 31.6 47.4
86 55.1 52.6 78.8





#25

2-Butanone

Concen: 2.15 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

Instrument :

MSVOA_X

ClientSampled :

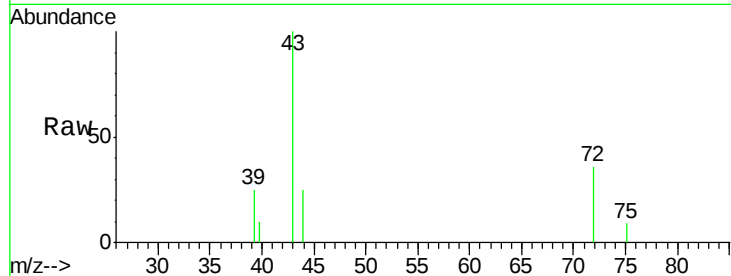
7005

Tgt Ion: 43 Resp: 2443

Ion Ratio Lower Upper

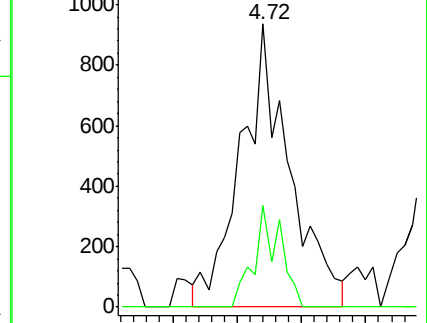
43 100

72 38.9 21.0 31.6#

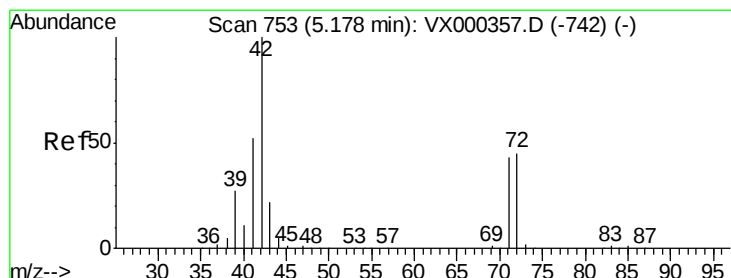
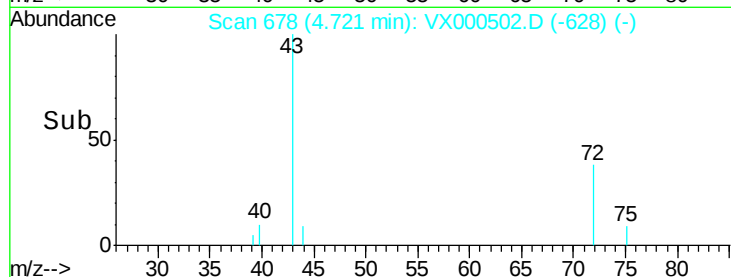


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

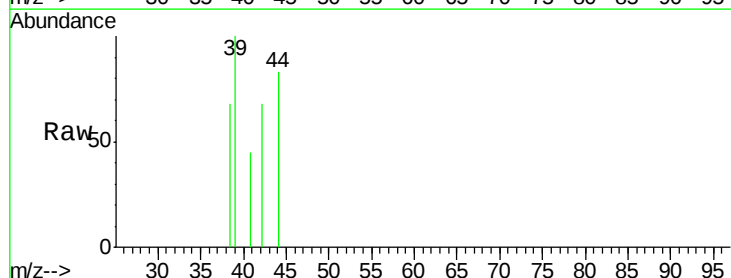
Tgt Ion: 42 Resp: 259

Ion Ratio Lower Upper

42 100

72 32.0 37.9 56.9#

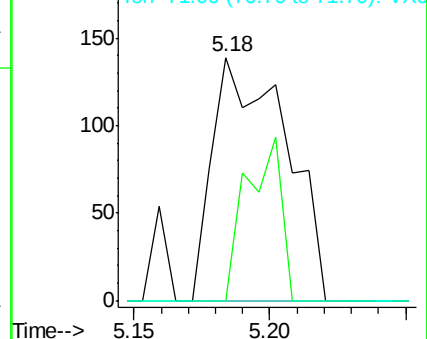
71 0.0 34.4 51.6#



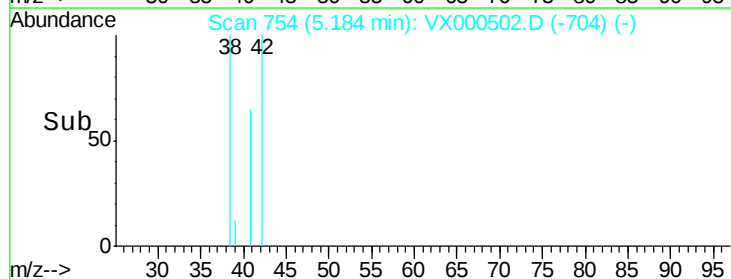
Abundance Ion 42.00 (41.70 to 42.70): VX0

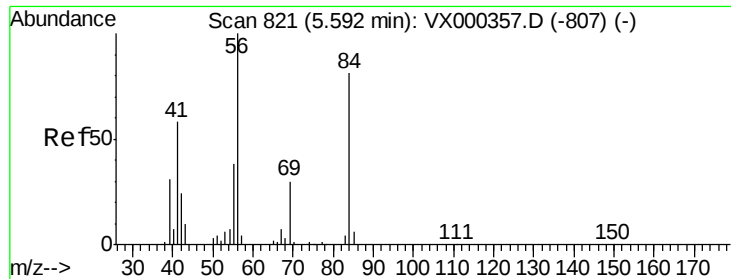
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

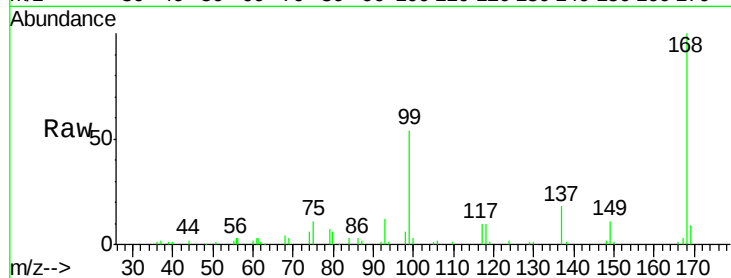




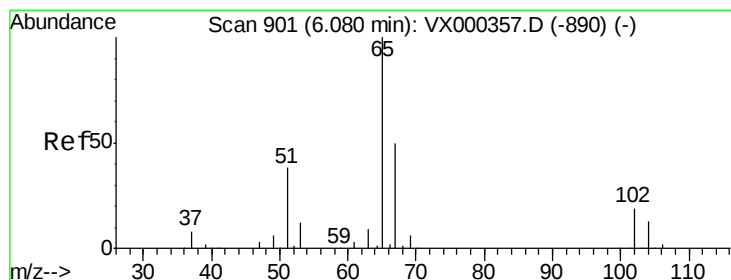
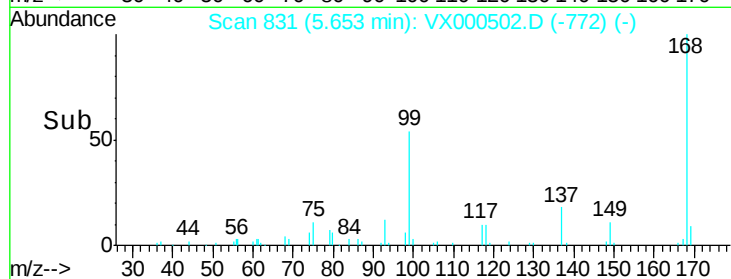
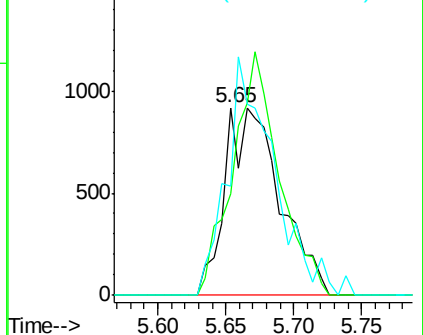
#31
Cyclohexane
Concen: 1.69 ug/l
RT: 5.65 min Scan# 831
Delta R.T. 0.06 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
7005

Tgt Ion: 56 Resp: 2598
Ion Ratio Lower Upper
56 100
69 53.8 23.4 35.0#
84 58.0 71.0 106.4#

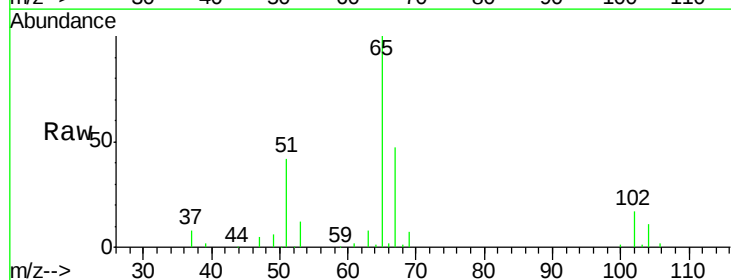


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

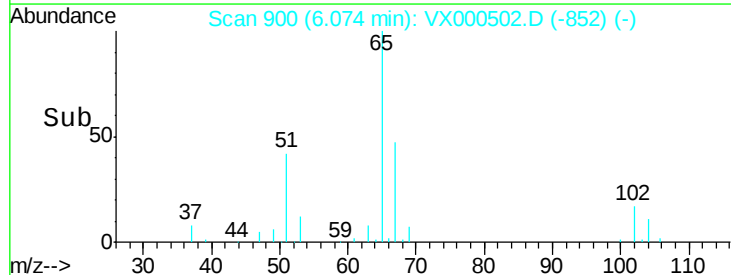
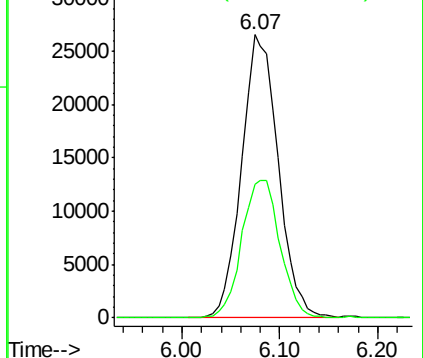


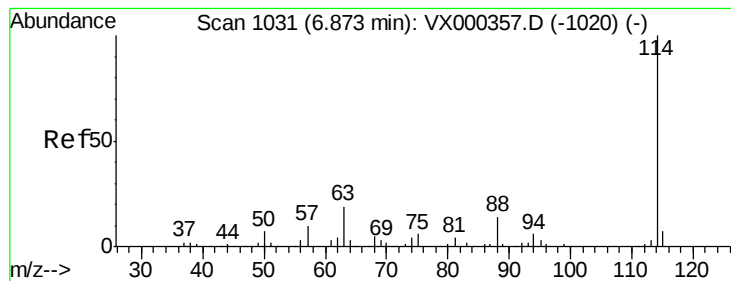
#33
1,2-Dichloroethane-d4
Concen: 56.75 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Tgt Ion: 65 Resp: 69022
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.2



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# 1031

Delta R.T. -0.00 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

7005

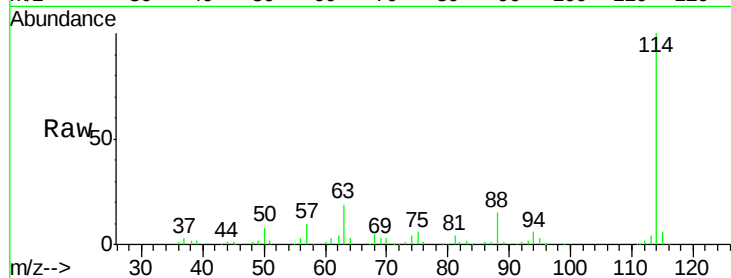
Tgt Ion:114 Resp: 170855

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

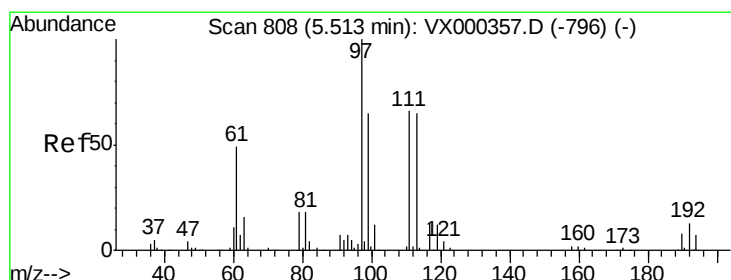
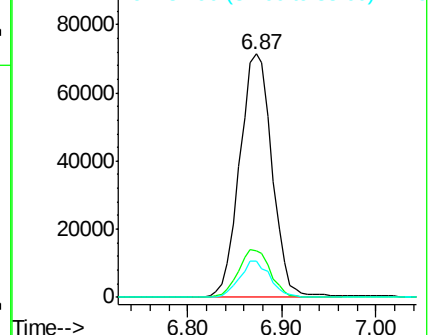
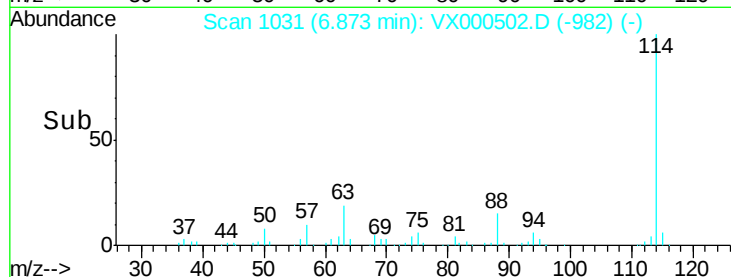
88 14.9 0.0 27.0



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: 51.32 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

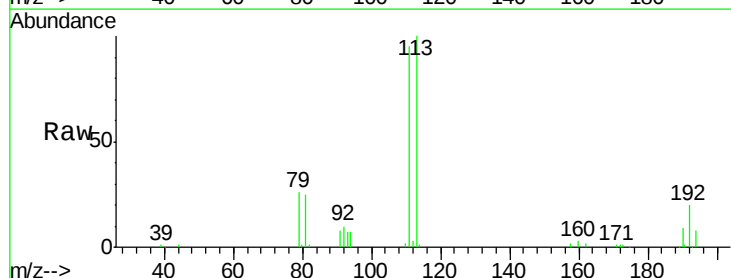
Tgt Ion:113 Resp: 55249

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

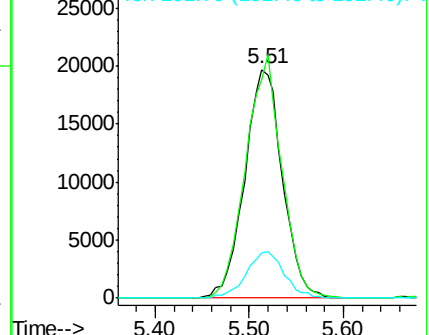
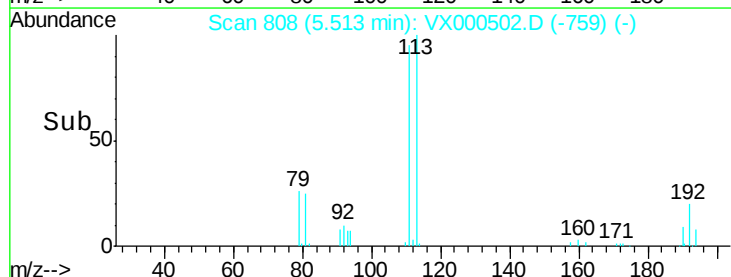
192 20.4 15.8 23.6

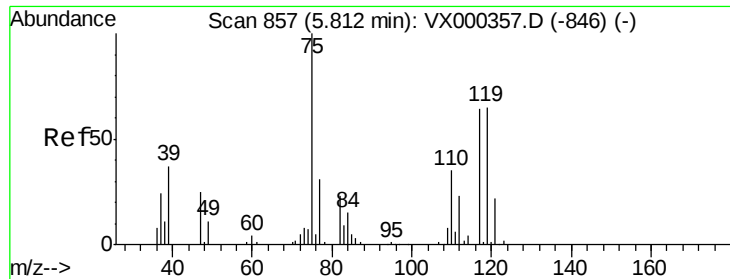


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

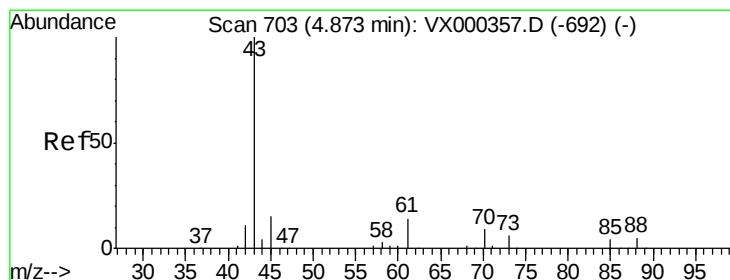
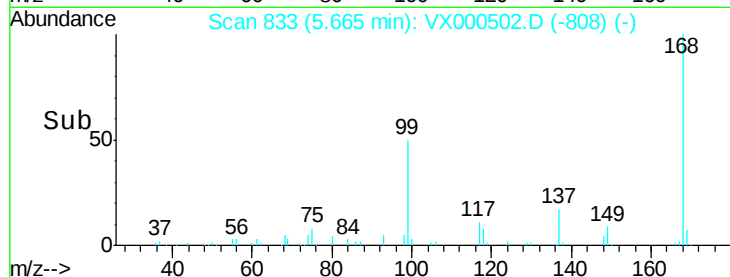
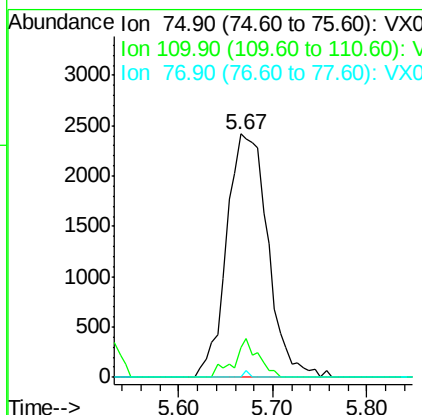
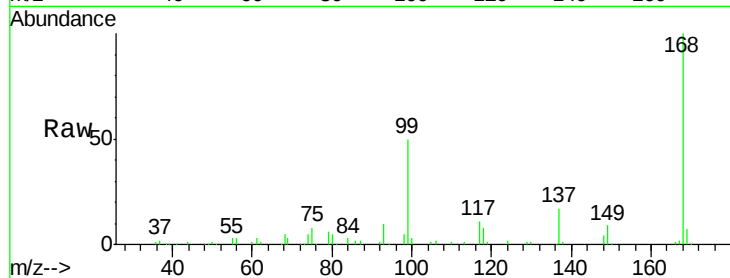




#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: VX000502.D
 Acq: 28 Mar 2018 20:58

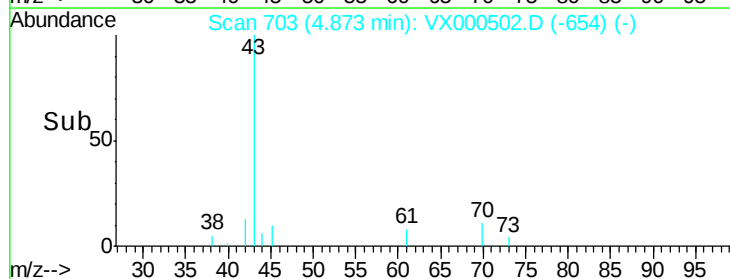
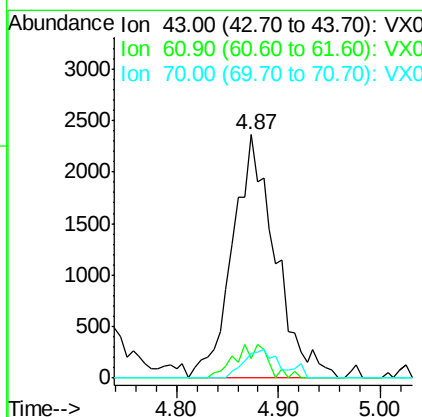
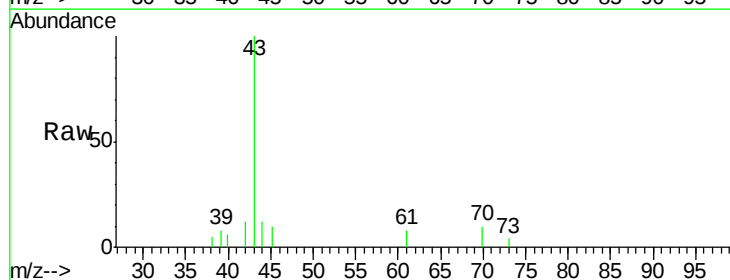
Instrument :
 MSVOA_X
 ClientSampleId :
 7005

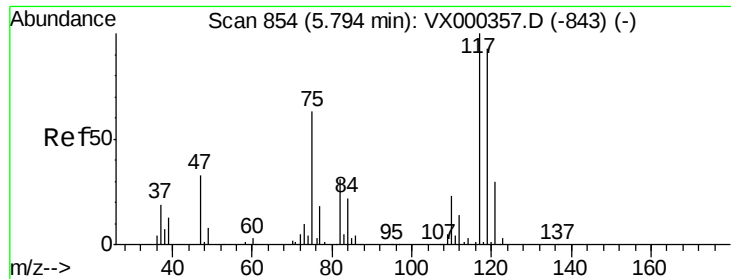
Tgt Ion: 75 Resp: 7371
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.9 53.7#
 77 0.4 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 3.13 ug/l
 RT: 4.87 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VX000502.D
 Acq: 28 Mar 2018 20:58

Tgt Ion: 43 Resp: 6838
 Ion Ratio Lower Upper
 43 100
 61 10.9 11.1 16.7#
 70 8.9 7.7 11.5

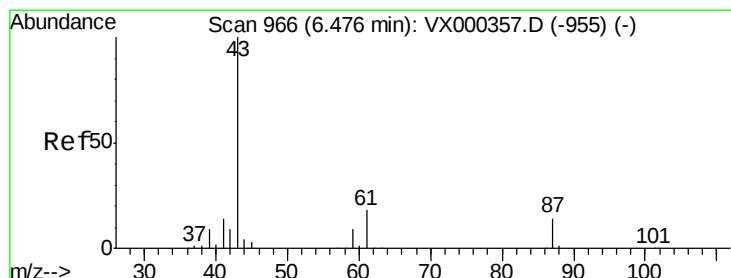
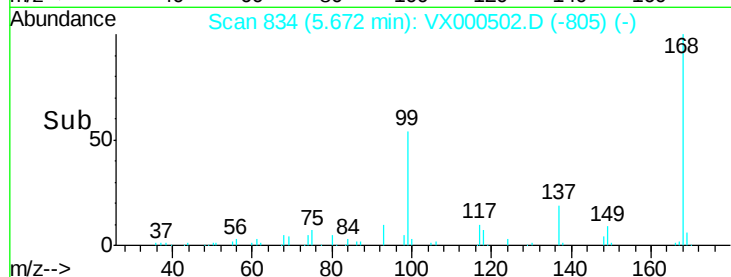
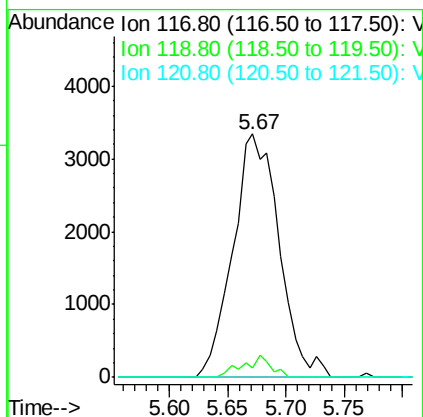
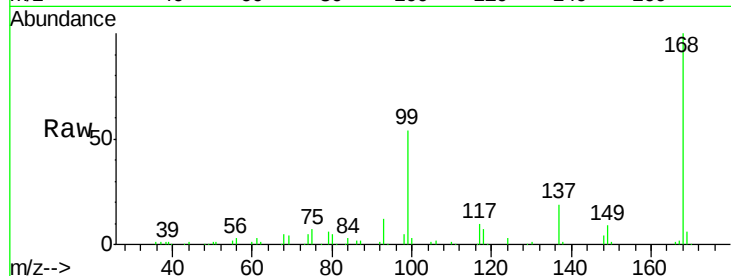




#38
Carbon Tetrachloride
Concen: 5.49 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

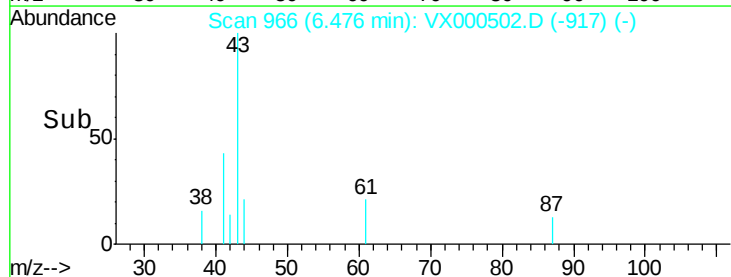
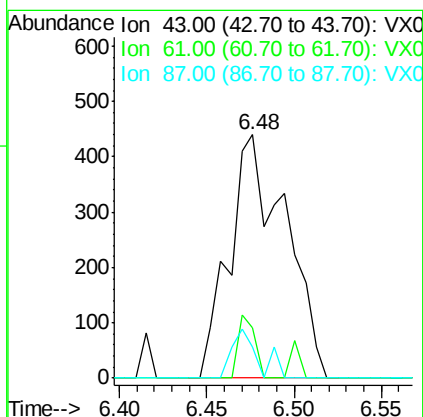
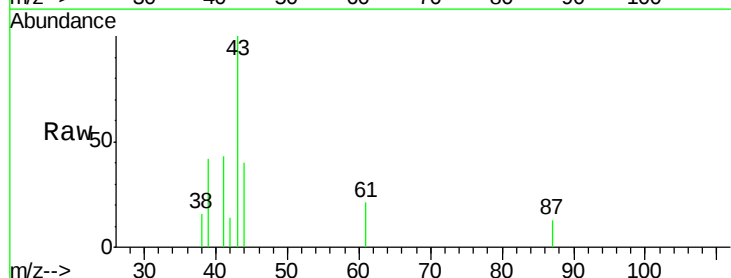
Instrument :
MSVOA_X
ClientSampled :
7005

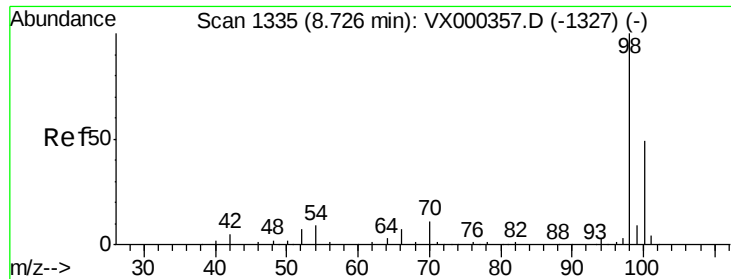
Tgt Ion: 117 Resp: 9219
Ion Ratio Lower Upper
117 100
119 3.7 77.4 116.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 0.31 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
61 7.6 14.4 21.6#
87 9.5 11.0 16.4#

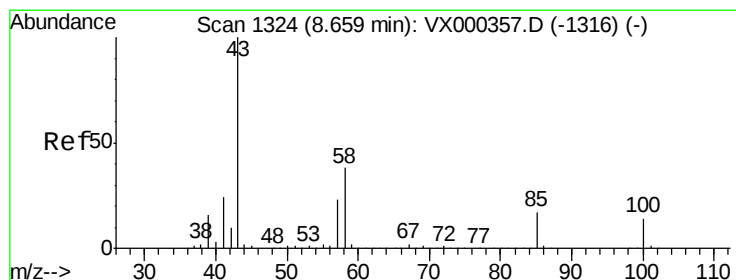
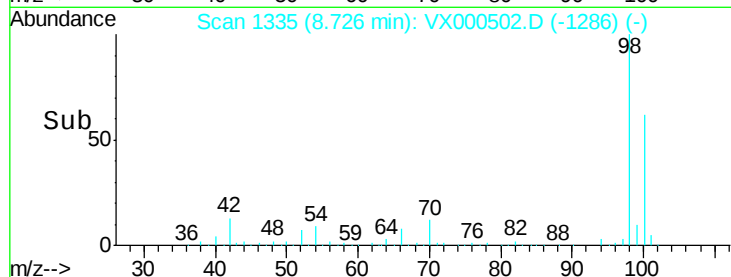
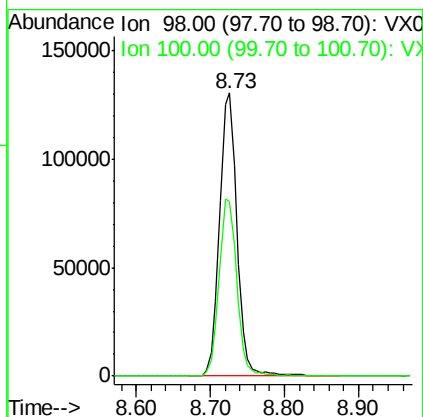
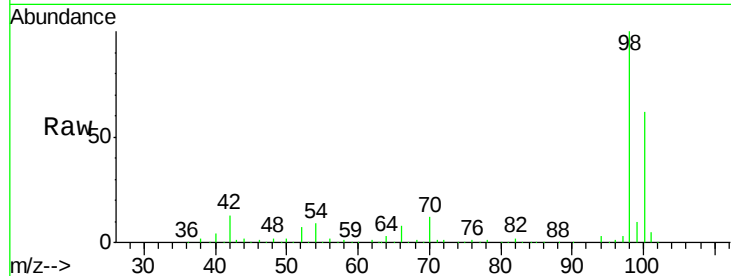




#50
Toluene-d8
Concen: 47.58 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

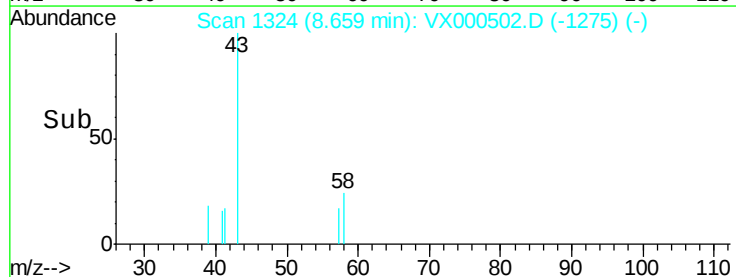
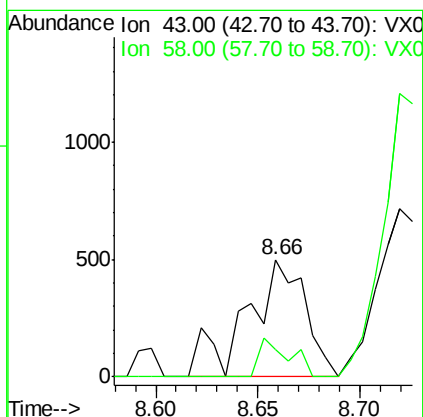
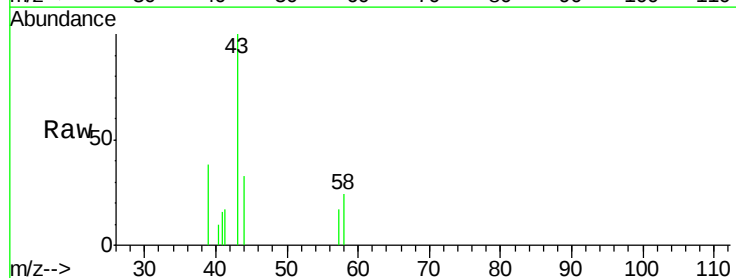
Instrument :
MSVOA_X
ClientSampled :
7005

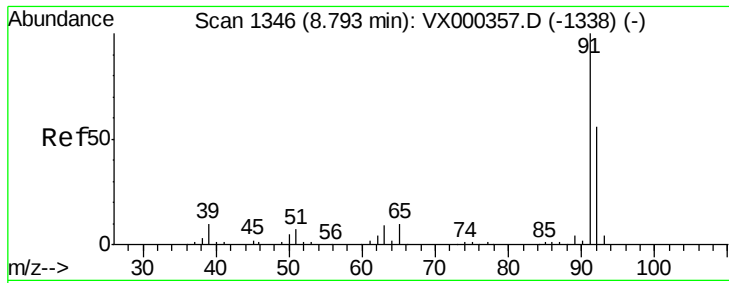
Tgt Ion: 98 Resp: 212155
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.40 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 17.1 30.3 45.5#





#52

Toluene

Concen: 0.27 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

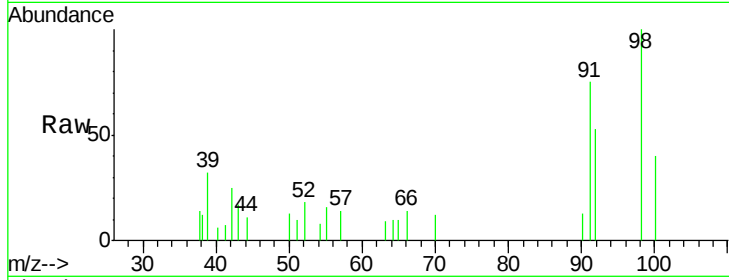
7005

Tgt Ion: 92 Resp: 890

Ion Ratio Lower Upper

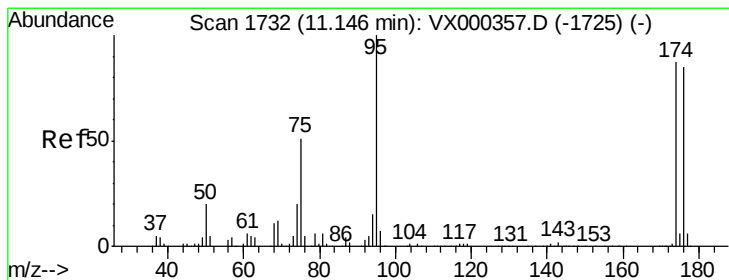
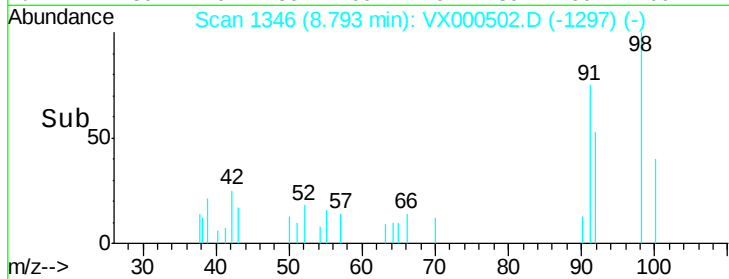
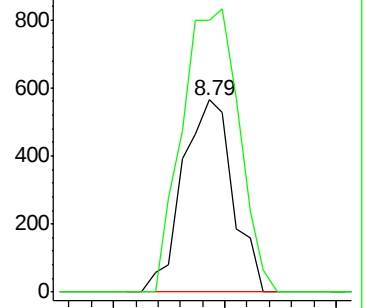
92 100

91 166.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 40.66 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

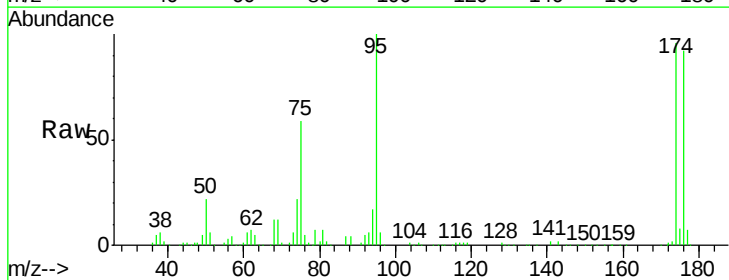
Tgt Ion: 95 Resp: 74129

Ion Ratio Lower Upper

95 100

174 93.1 0.0 173.6

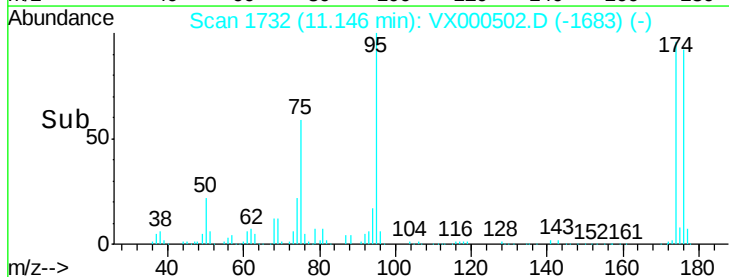
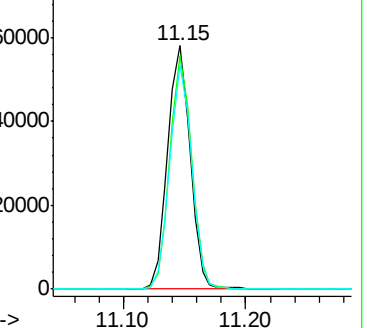
176 89.7 0.0 164.6

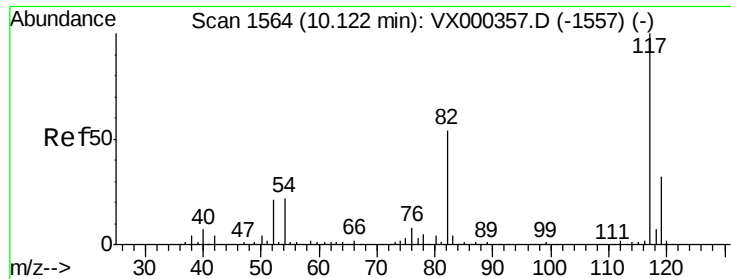


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

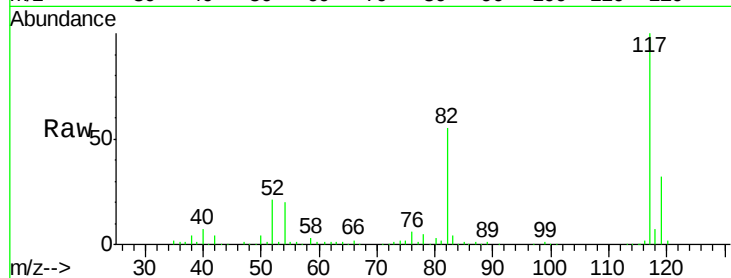




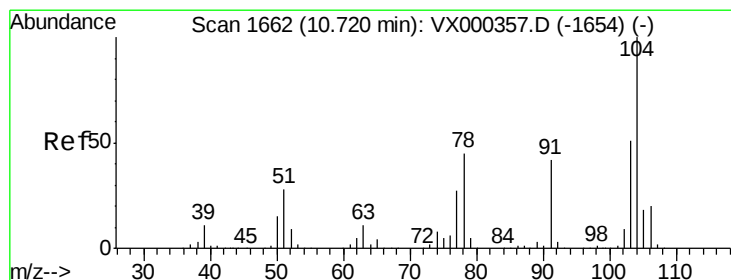
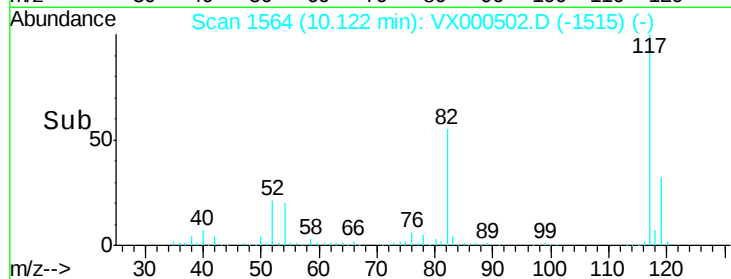
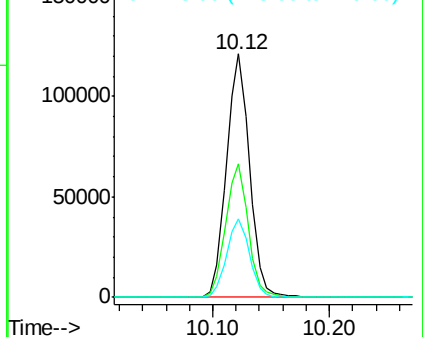
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
7005

Tgt Ion:117 Resp: 166833
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 32.3 24.9 37.3

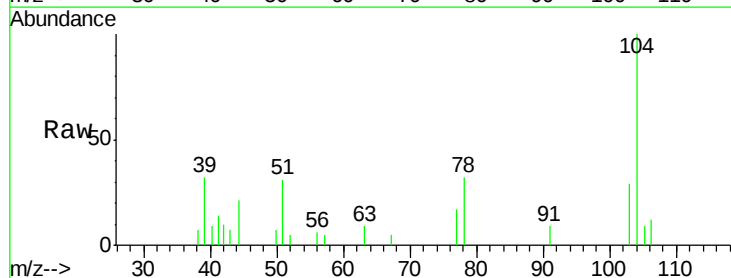


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

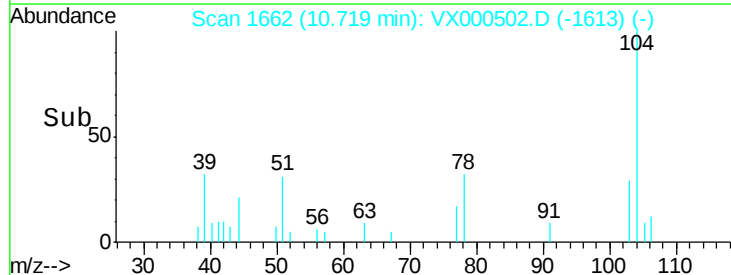
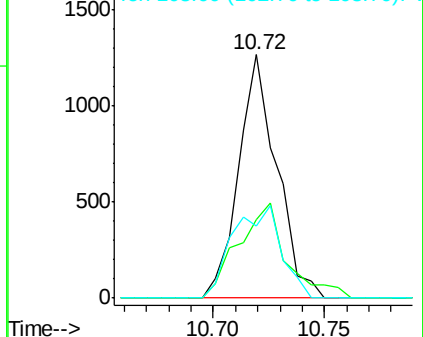


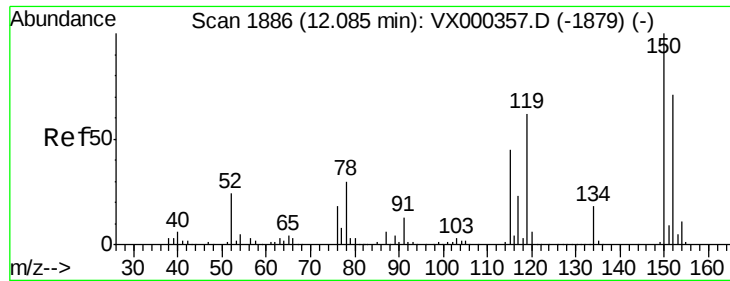
#70
Styrene
Concen: 0.38 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Tgt Ion:104 Resp: 1512
Ion Ratio Lower Upper
104 100
78 49.6 40.5 60.7
103 47.8 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX000502.D

Acq: 28 Mar 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

7005

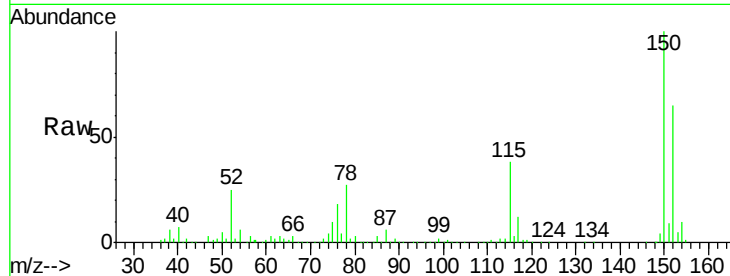
Tgt Ion: 152 Resp: 91506

Ion Ratio Lower Upper

152 100

115 56.3 39.8 119.3

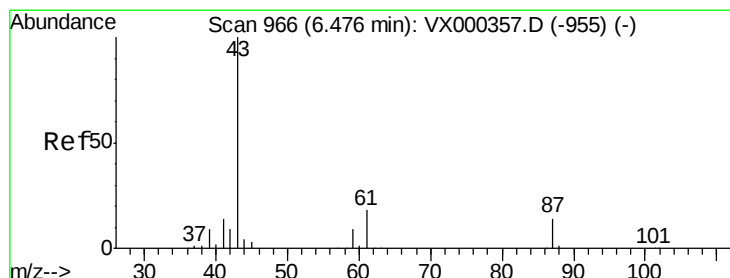
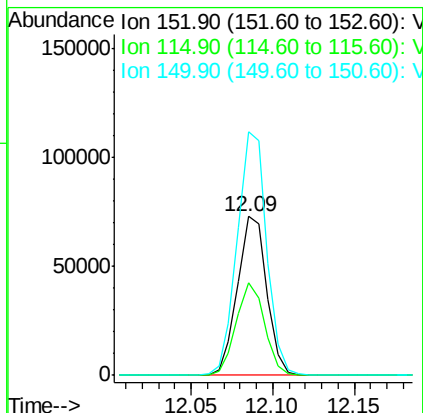
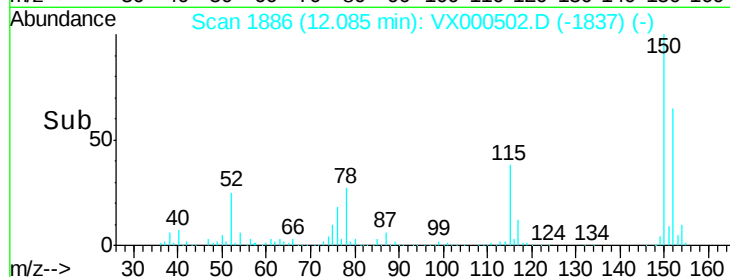
150 154.0 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

Tgt Ion: 43 Resp: 993

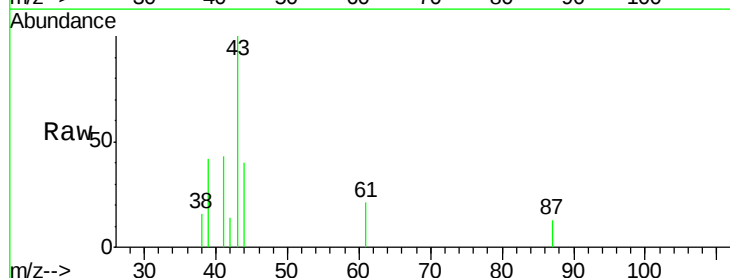
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 7.6 14.4 21.6#

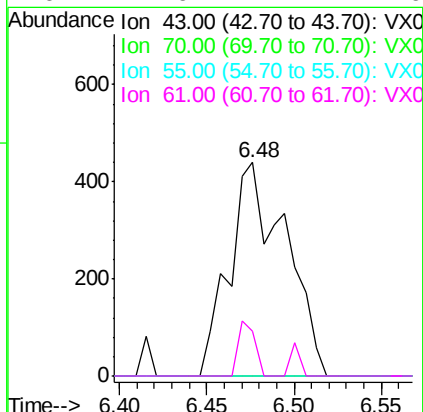
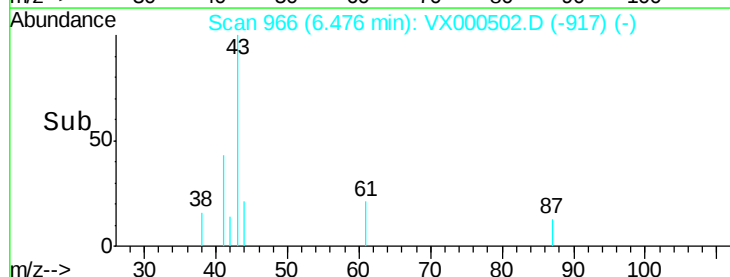


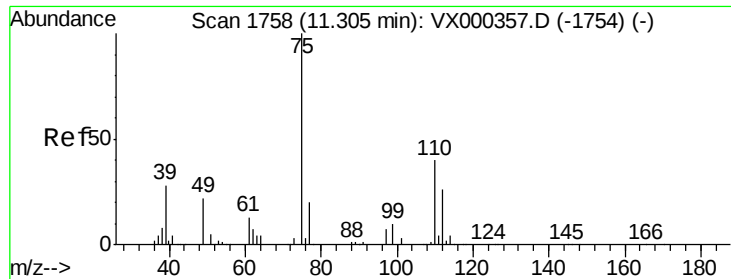
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 21.41 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

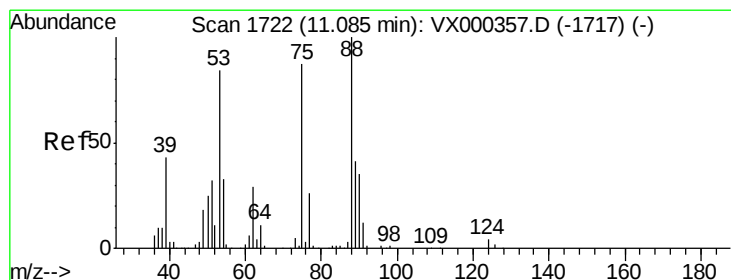
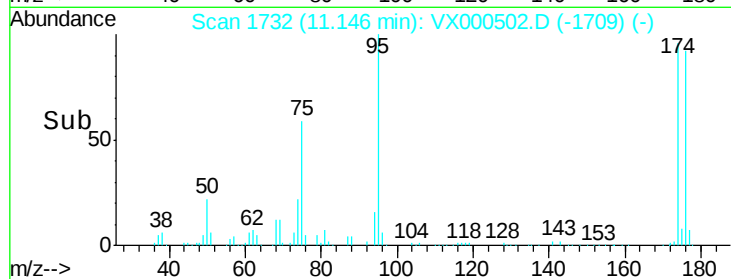
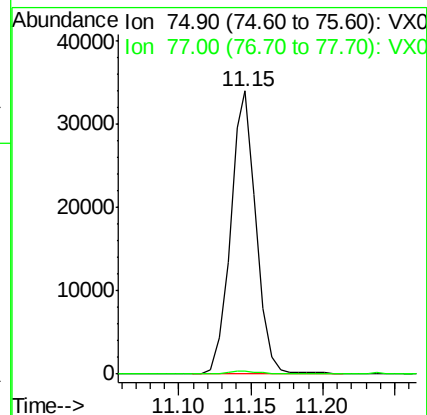
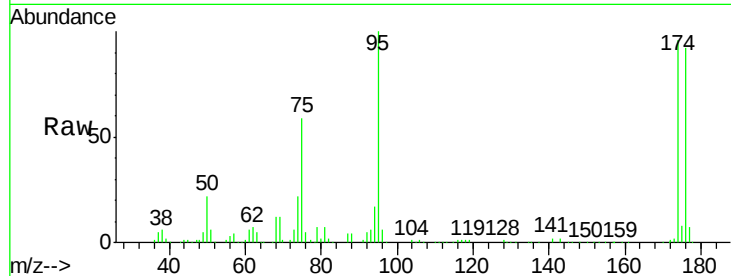
7005

Tgt Ion: 75 Resp: 42105

Ion Ratio Lower Upper

75 100

77 1.2 21.4 64.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.32 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000502.D

Acq: 28 Mar 2018 20:58

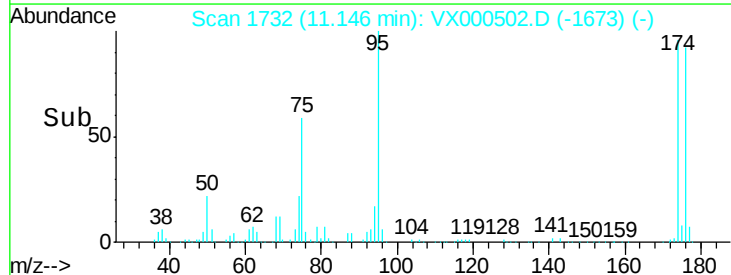
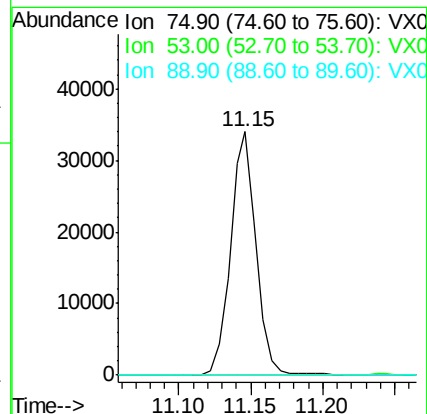
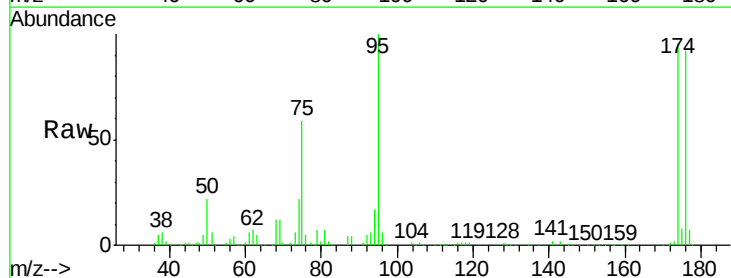
Tgt Ion: 75 Resp: 42105

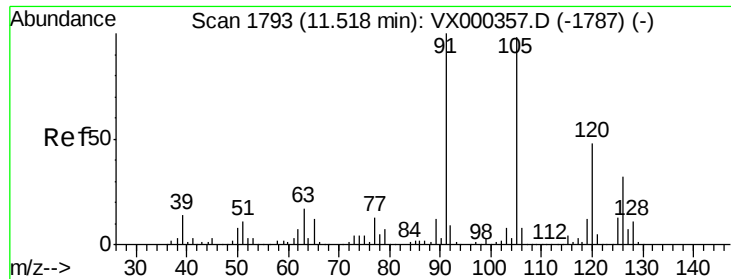
Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#

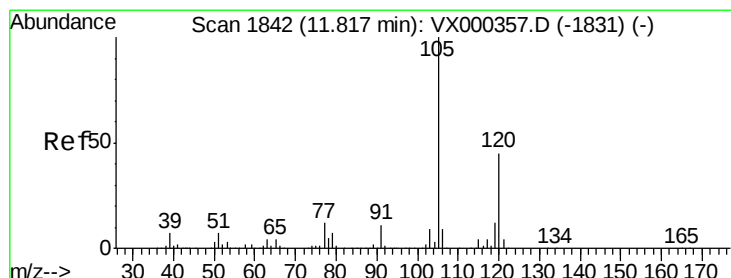
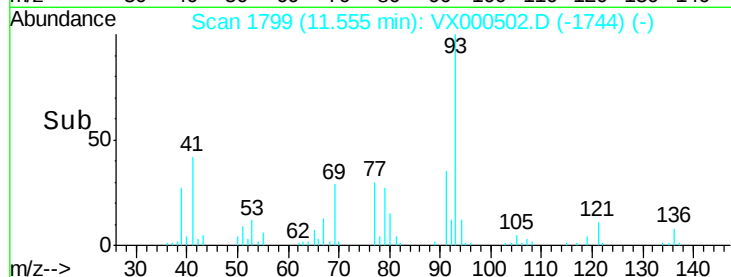
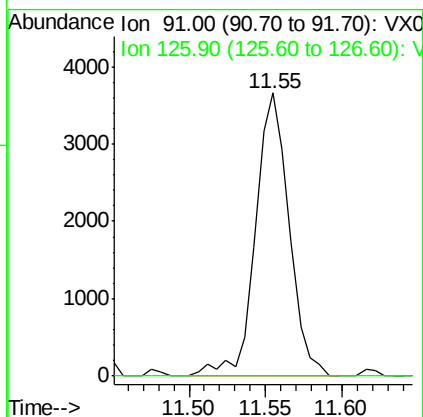
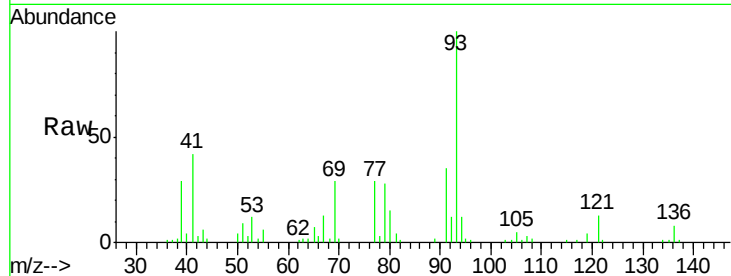




#82
4-Chlorotoluene
Concen: 1.12 ug/l
RT: 11.55 min Scan# 1799
Delta R.T. 0.04 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

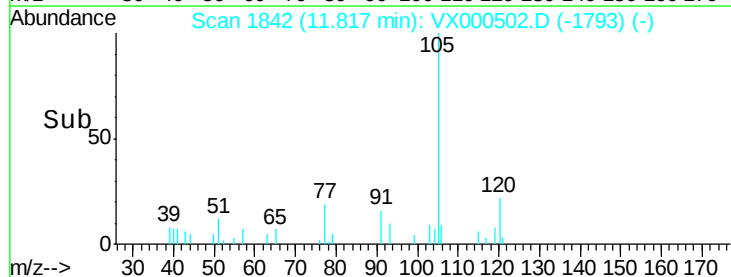
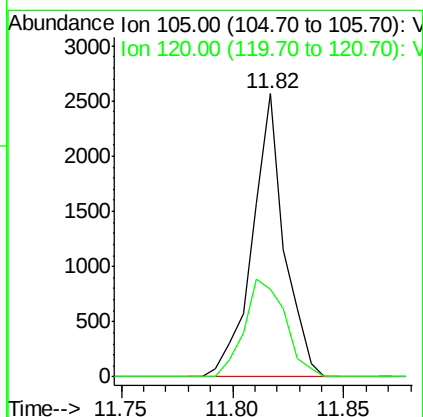
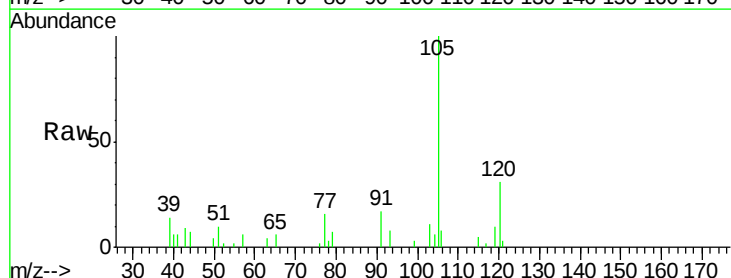
Instrument :
MSVOA_X
ClientSampleId :
7005

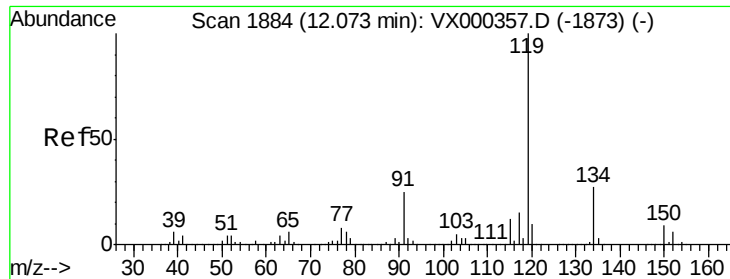
Tgt Ion: 91 Resp: 5607
Ion Ratio Lower Upper
91 100
126 0.0 15.4 46.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.48 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Tgt Ion: 105 Resp: 2553
Ion Ratio Lower Upper
105 100
120 44.3 22.4 67.3

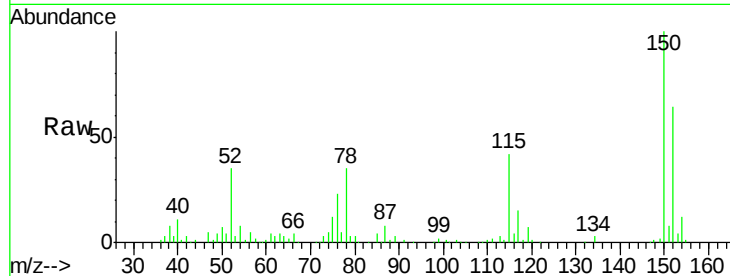




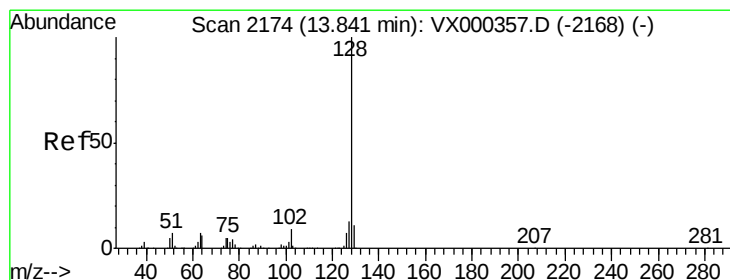
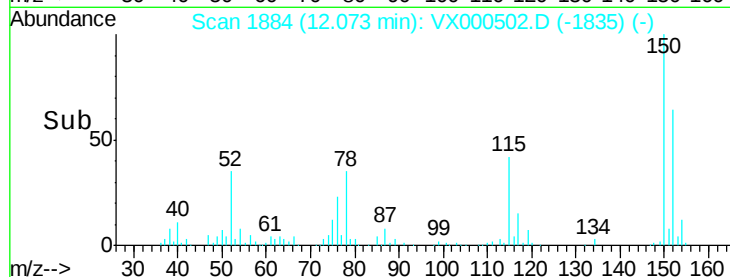
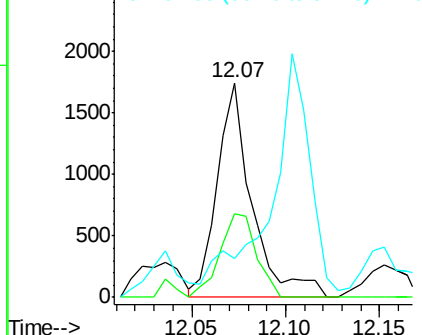
#86
p-Isopropyltoluene
Concen: 0.39 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Instrument :
MSVOA_X
ClientSampled :
7005

Tgt Ion:119 Resp: 2231
Ion Ratio Lower Upper
119 100
134 40.9 13.3 39.9#
91 0.0 12.0 36.1#

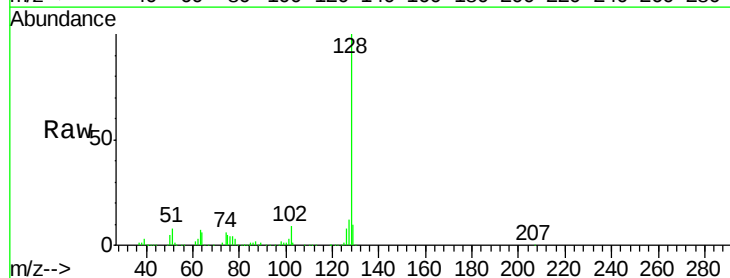


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 12.43 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000502.D
Acq: 28 Mar 2018 20:58

Tgt Ion:128 Resp: 92904
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

