

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040818\
 Data File : VX000732.D
 Acq On : 08 Apr 2018 15:39
 Operator : JC/MD
 Sample : J2190-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11S-040218

Quant Time: Apr 09 06:41:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	332413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	457471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	427509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	251238	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	167572	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	5.51	113	139639	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	8.72	98	525109	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
62) 4-Bromofluorobenzene	11.15	95	216461	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

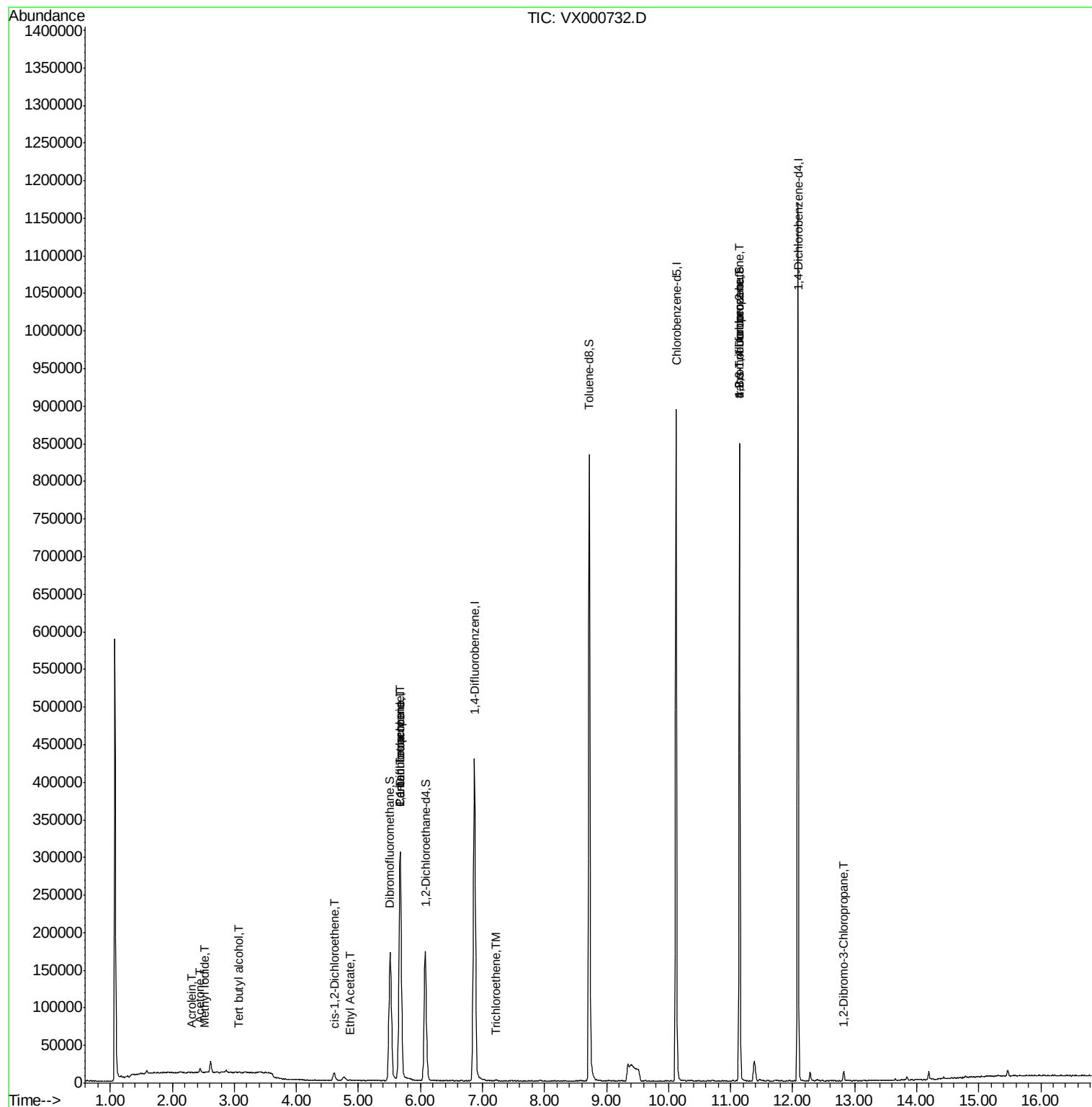
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	269	Below Cal	#	86
5) Bromomethane	1.67	94	324	Below Cal	#	17
8) Diethyl Ether	2.29	74	142	Below Cal		58
10) Methyl Iodide	2.51	142	271	5.44	ug/l	# 69
11) Tert butyl alcohol	3.07	59	667	1.03	ug/l	# 1
13) Acrolein	2.30	56	154	0.54	ug/l	# 65
16) Acetone	2.45	43	6391	5.36	ug/l	94
17) Carbon Disulfide	2.57	76	532	Below Cal	#	75
20) Methylene Chloride	2.86	84	1517	Below Cal	#	82
27) cis-1,2-Dichloroethene	4.61	96	6172	1.94	ug/l	# 87
31) Cyclohexane	5.59	56	1871	Below Cal	#	75
36) 1,1-Dichloropropene	5.67	75	19119	4.88	ug/l	# 51
37) Ethyl Acetate	4.87	43	1015	0.24	ug/l	# 66
38) Carbon Tetrachloride	5.67	117	28339	6.17	ug/l	# 16
39) Methylcyclohexane	7.54	83	21	Below Cal		90
44) Trichloroethene	7.21	130	733	0.22	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	107407	25.13	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.14	75	107407	65.42	ug/l	# 10
92) 1,2-Dibromo-3-Chloropropan	12.82	75	315	0.27	ug/l	# 1

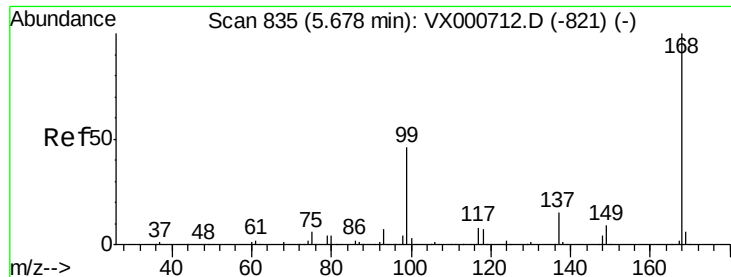
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

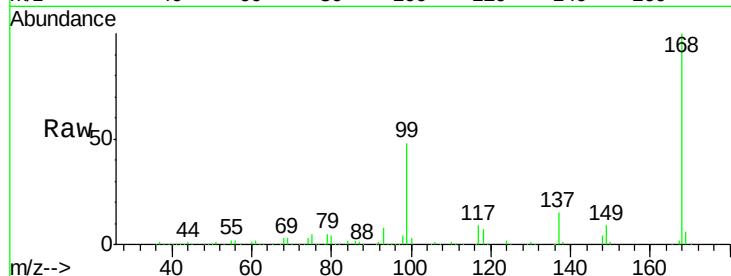
MW-11S-040218

Tgt Ion:168 Resp: 332413

Ion Ratio Lower Upper

168 100

99 47.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

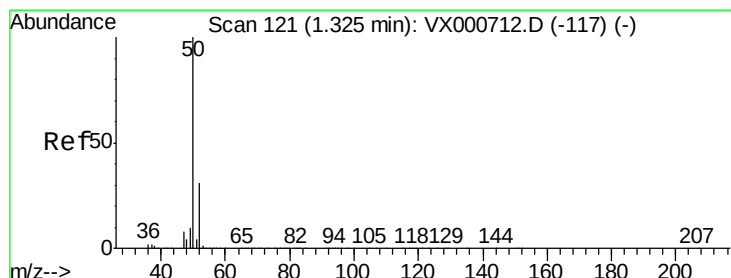
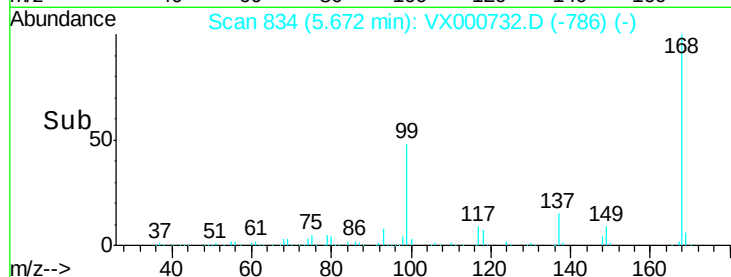
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000732.D

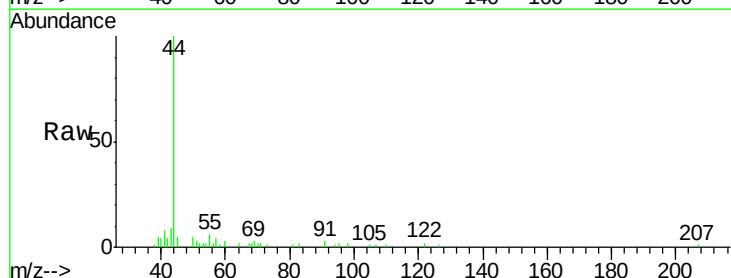
Acq: 08 Apr 2018 15:39

Tgt Ion: 50 Resp: 269

Ion Ratio Lower Upper

50 100

52 38.8 24.9 37.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

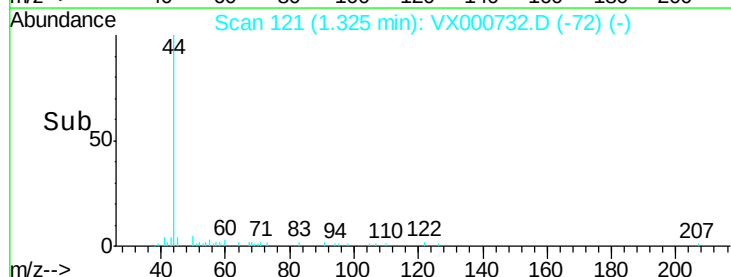
150

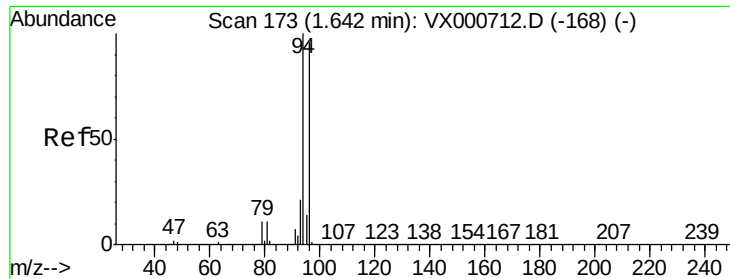
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

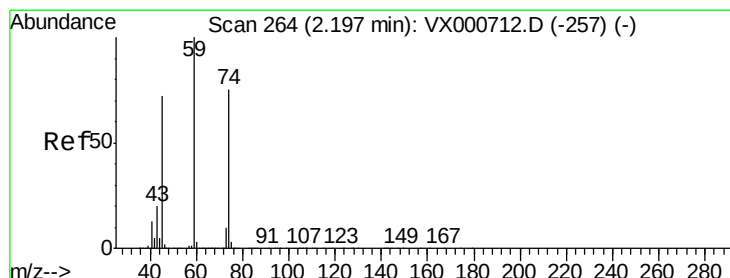
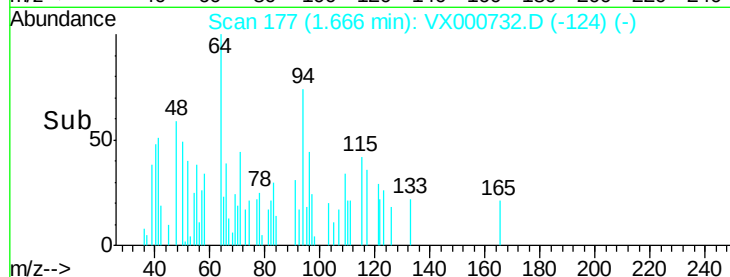
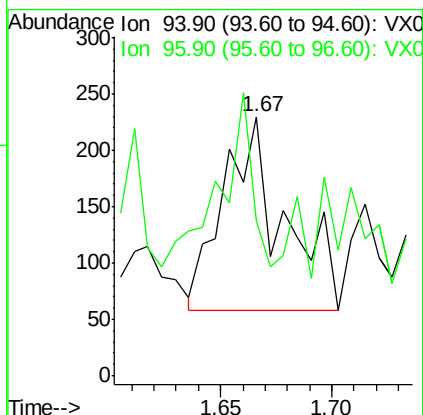
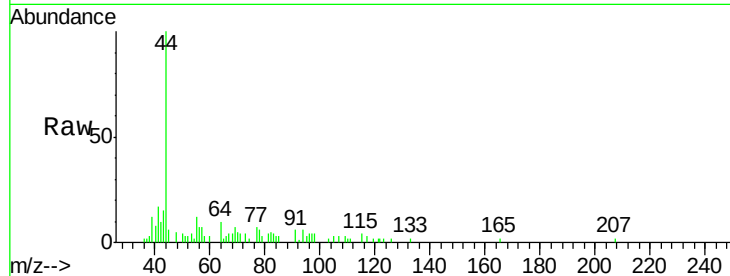
MW-11S-040218

Tgt Ion: 94 Resp: 324

Ion Ratio Lower Upper

94 100

96 15.1 76.5 114.7#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. 0.09 min

Lab File: VX000732.D

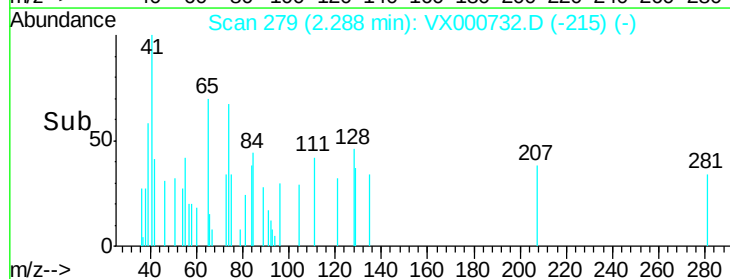
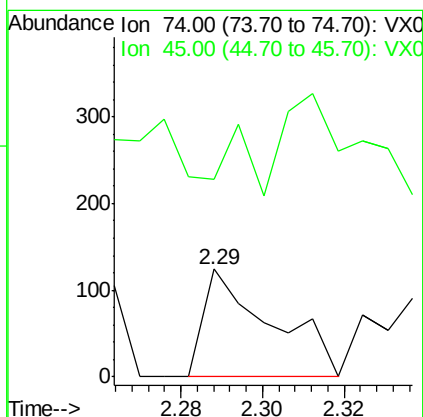
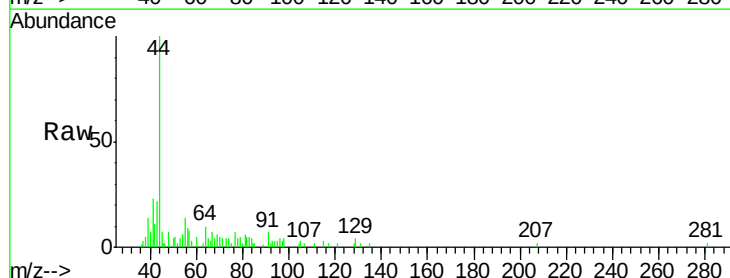
Acq: 08 Apr 2018 15:39

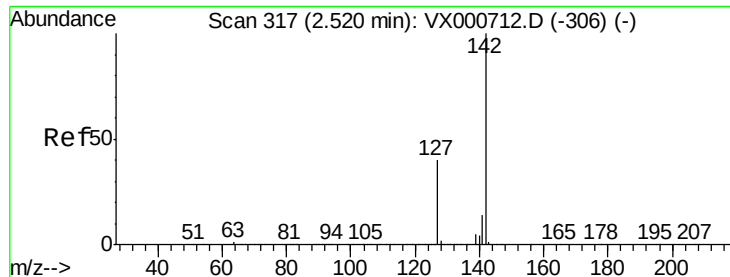
Tgt Ion: 74 Resp: 142

Ion Ratio Lower Upper

74 100

45 138.0 48.4 145.3

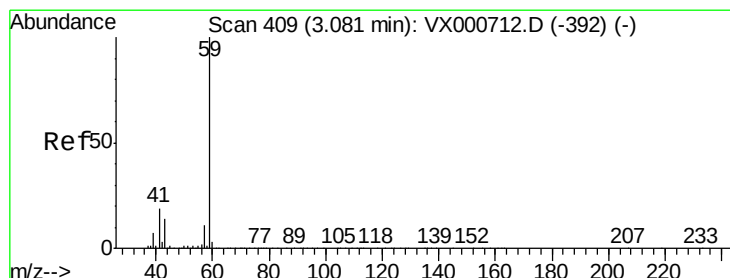
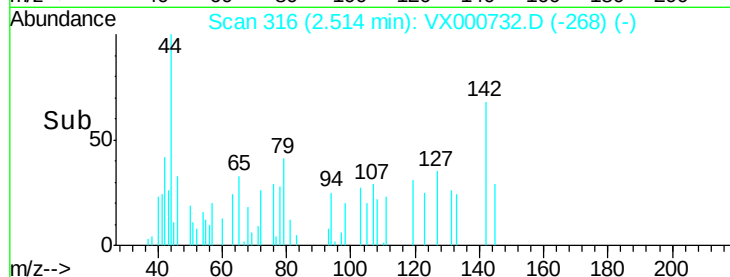
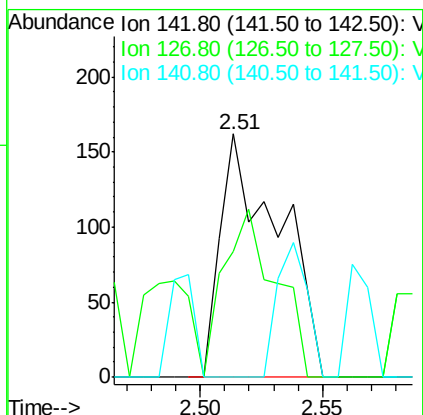
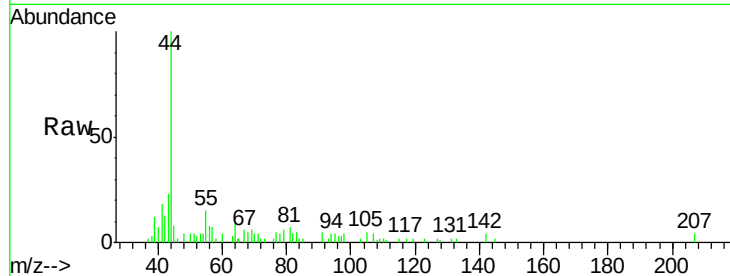




#10
Methyl Iodide
Concen: 5.44 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000732.D
Acq: 08 Apr 2018 15:39

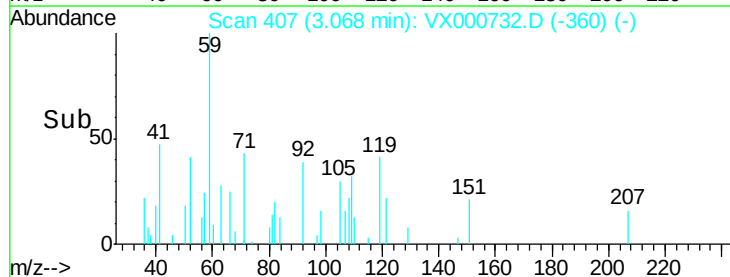
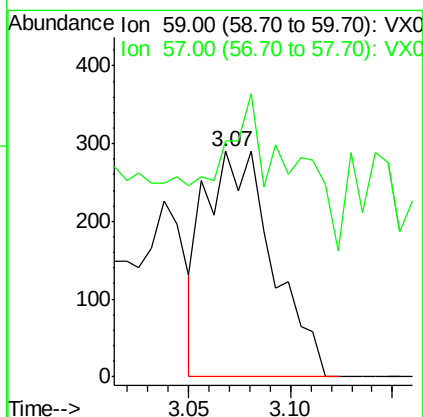
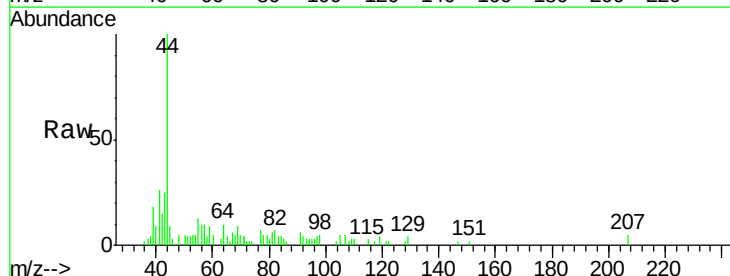
Instrument :
MSVOA_X
ClientSampleId :
MW-11S-040218

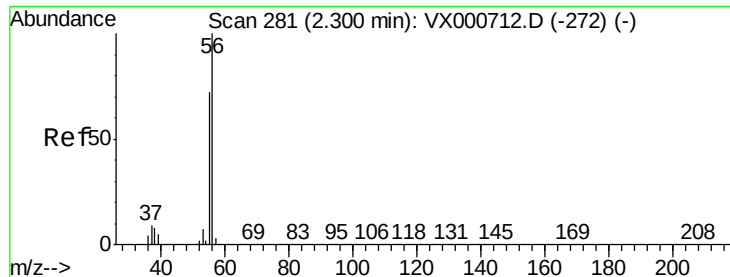
Tgt Ion:142 Resp: 271
Ion Ratio Lower Upper
142 100
127 60.9 33.9 50.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.03 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000732.D
Acq: 08 Apr 2018 15:39

Tgt Ion: 59 Resp: 667
Ion Ratio Lower Upper
59 100
57 61.8 8.4 12.6#





#13

Acrolein

Concen: 0.54 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

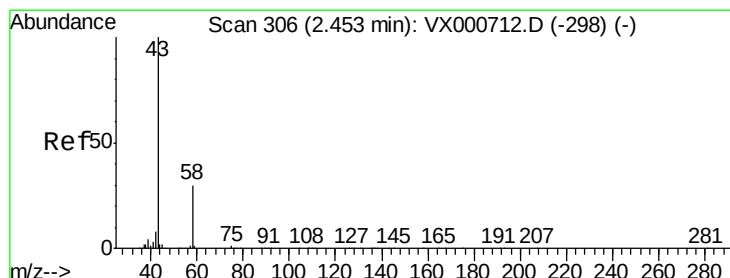
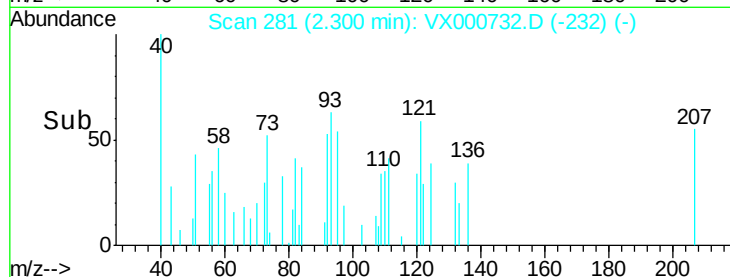
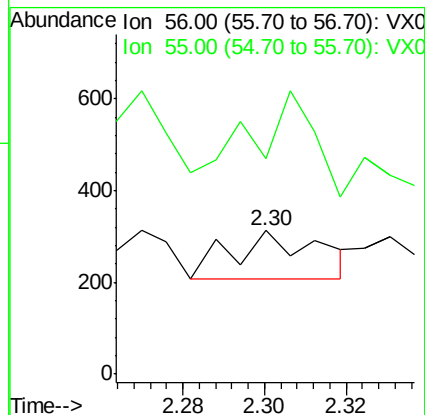
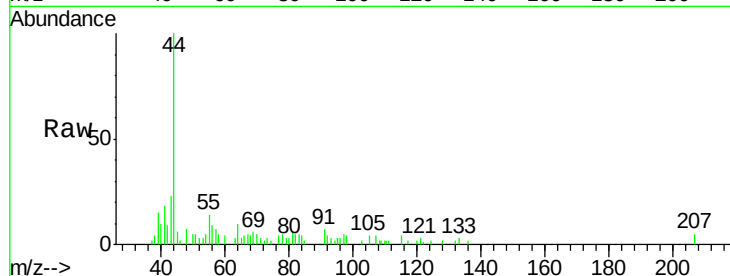
MW-11S-040218

Tgt Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 100.6 57.4 86.2#



#16

Acetone

Concen: 5.36 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000732.D

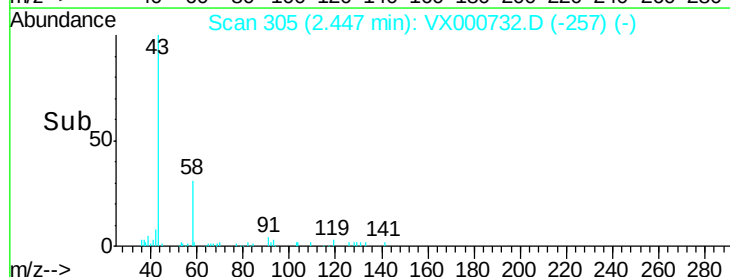
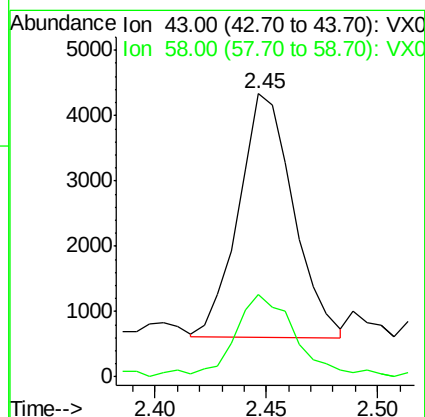
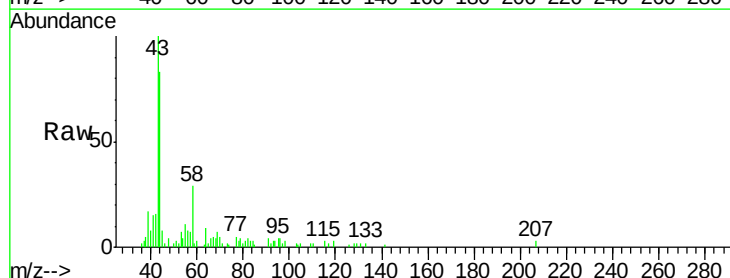
Acq: 08 Apr 2018 15:39

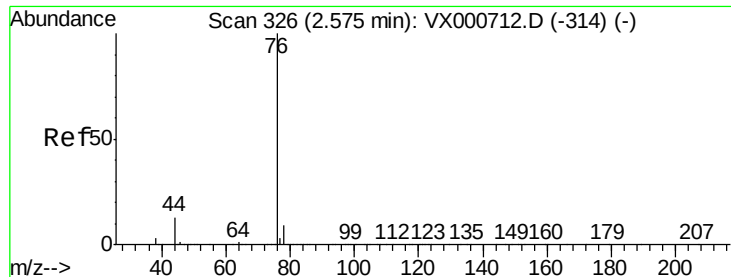
Tgt Ion: 43 Resp: 6391

Ion Ratio Lower Upper

43 100

58 33.0 24.0 36.0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampled :

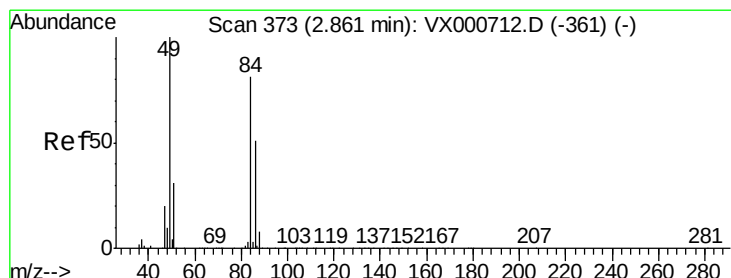
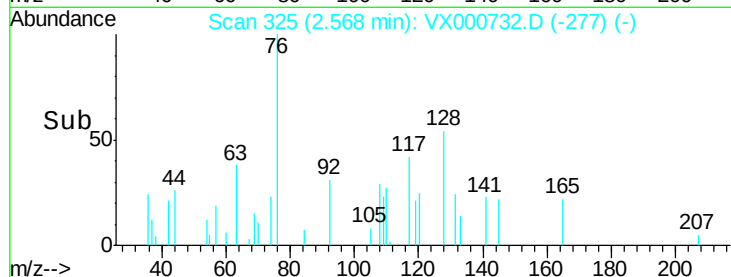
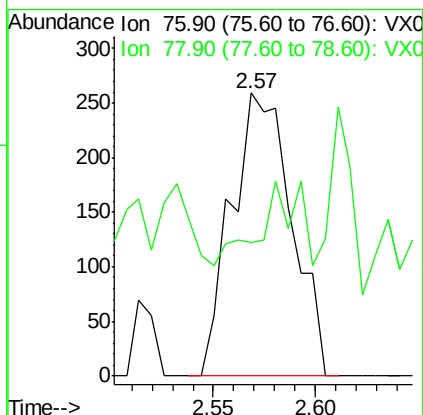
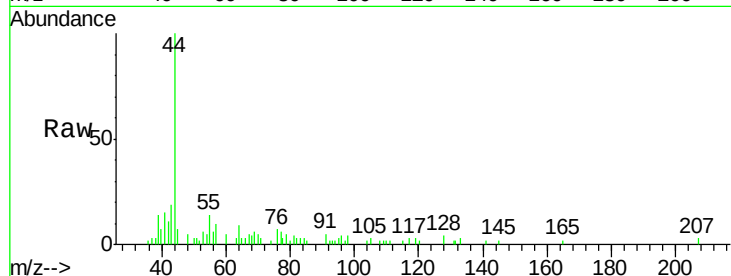
MW-11S-040218

Tgt Ion: 76 Resp: 532

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Tgt Ion: 84 Resp: 1517

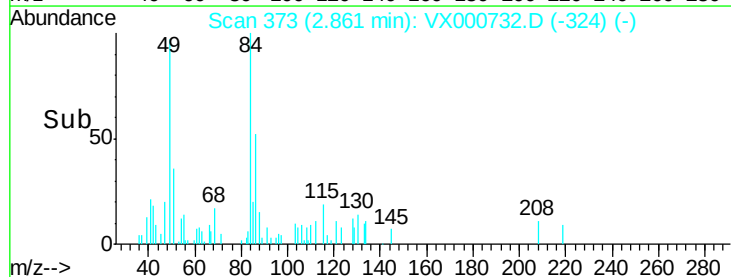
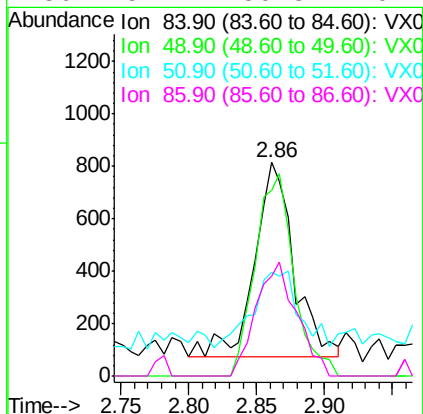
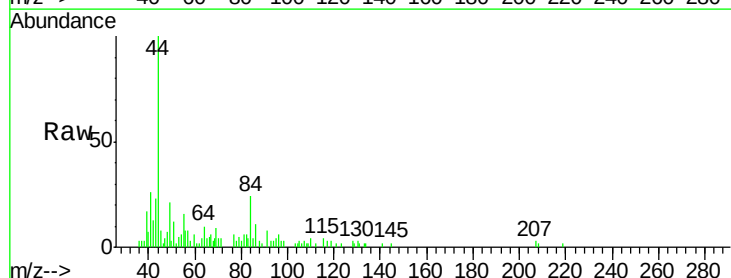
Ion Ratio Lower Upper

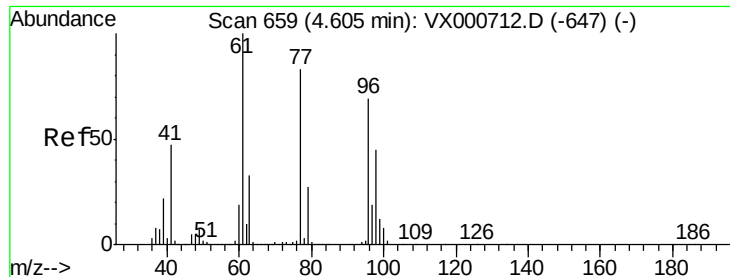
84 100

49 95.6 98.6 148.0#

51 36.4 30.8 46.2

86 51.2 50.8 76.2





#27

cis-1,2-Dichloroethene

Concen: 1.94 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

MW-11S-040218

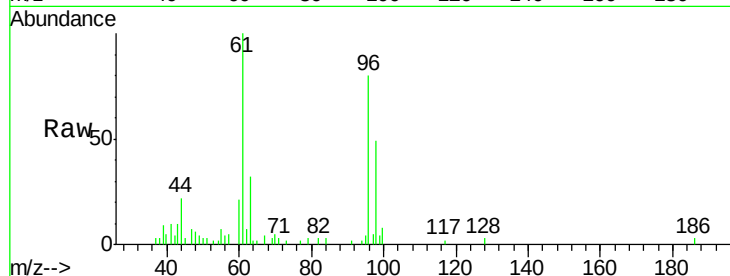
Tgt Ion: 96 Resp: 6172

Ion Ratio Lower Upper

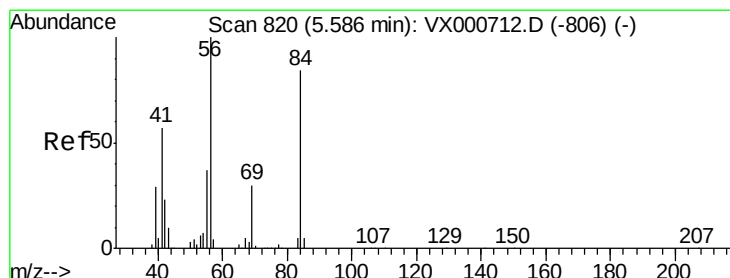
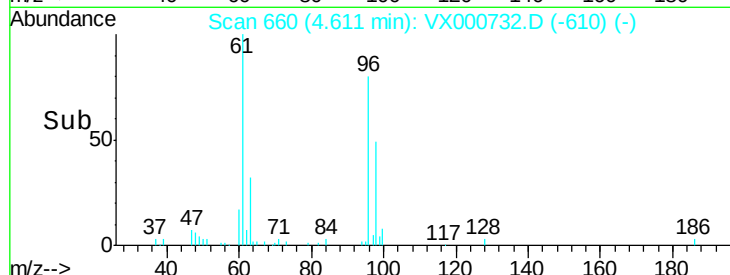
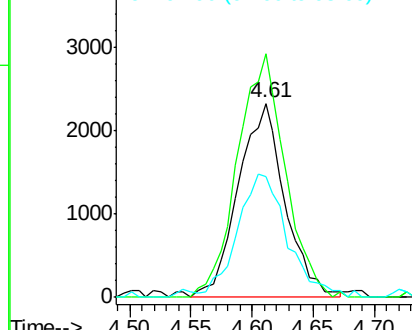
96 100

61 128.3 0.0 301.0

98 68.0 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: Below Cal

RT: 5.59 min Scan# 821

Delta R.T. 0.01 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

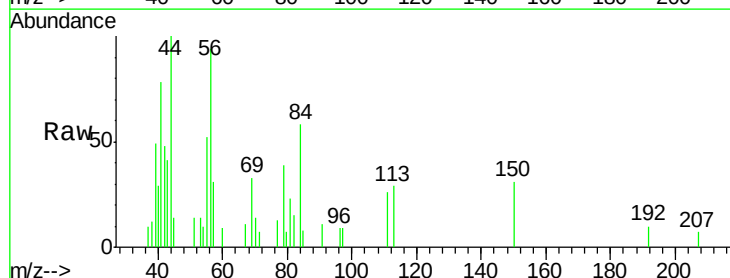
Tgt Ion: 56 Resp: 1871

Ion Ratio Lower Upper

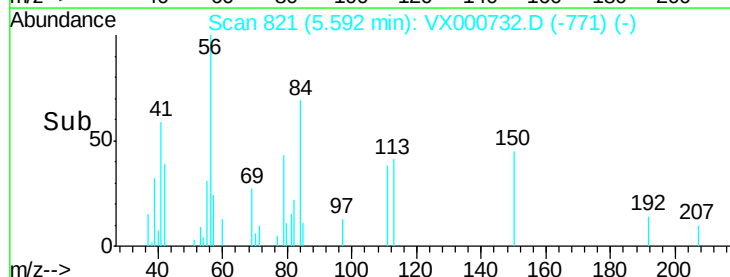
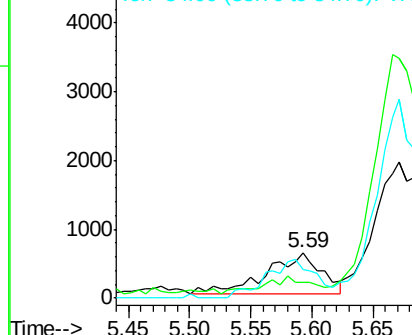
56 100

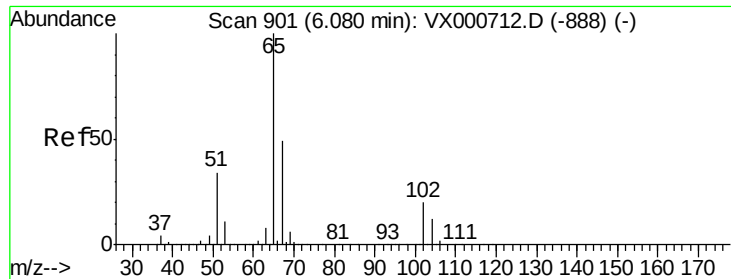
69 21.0 23.8 35.6#

84 58.4 67.4 101.2#



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

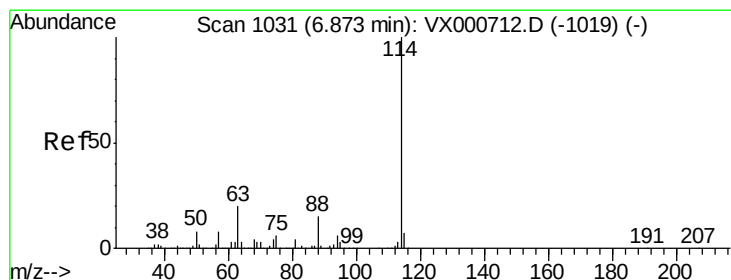
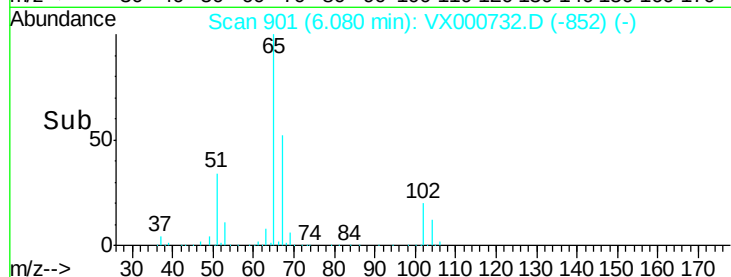
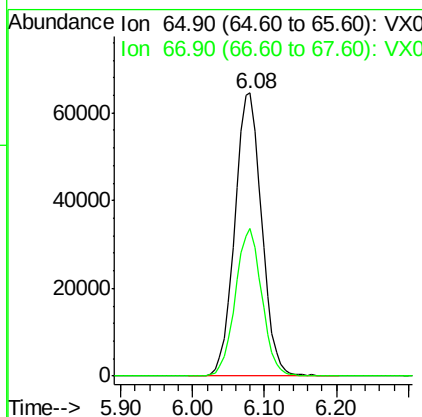
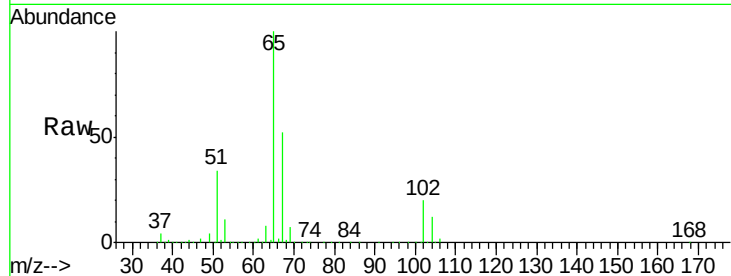




#33
 1,2-Dichloroethane-d4
 Concen: 44.08 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000732.D
 Acq: 08 Apr 2018 15:39

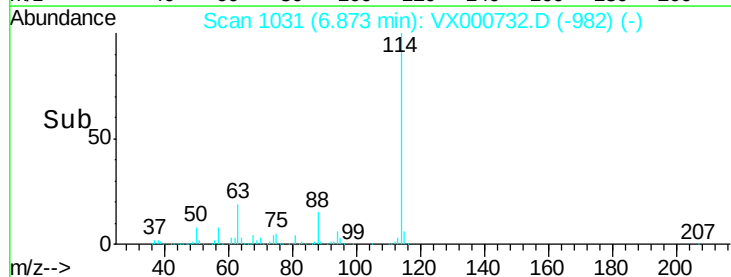
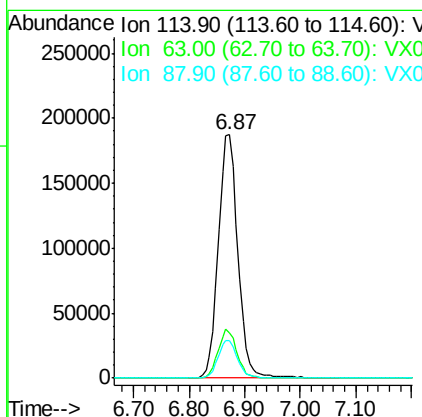
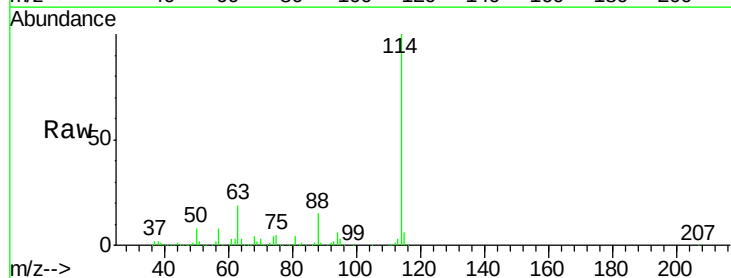
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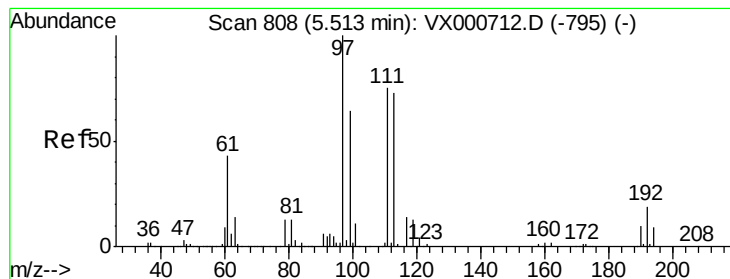
Tgt Ion: 65 Resp: 167572
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000732.D
 Acq: 08 Apr 2018 15:39

Tgt Ion: 114 Resp: 457471
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.6
 88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.23 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampled :

MW-11S-040218

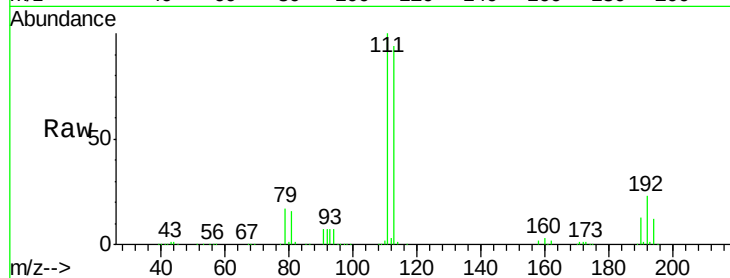
Tgt Ion:113 Resp: 139639

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

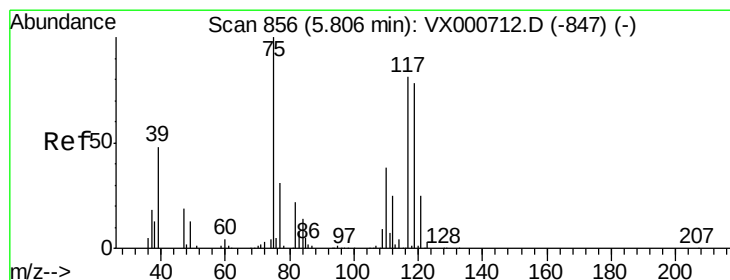
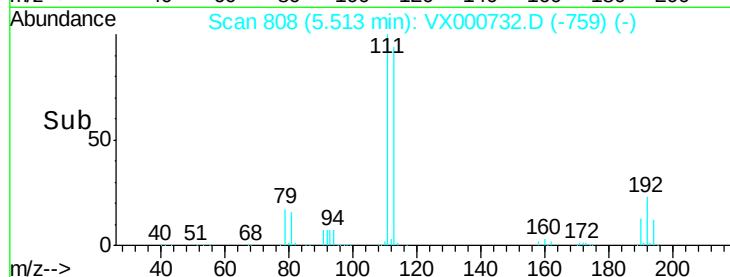
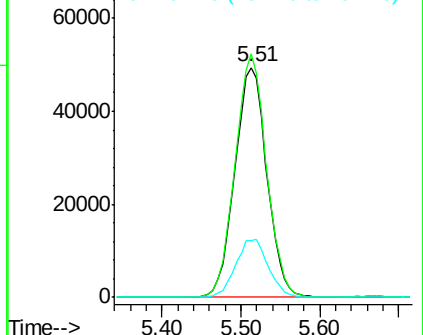
192 25.6 20.0 30.0



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: 4.88 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

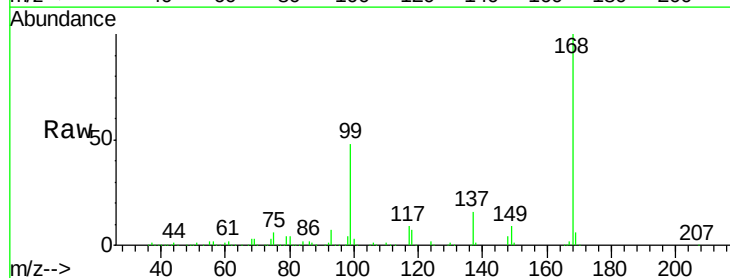
Tgt Ion: 75 Resp: 19119

Ion Ratio Lower Upper

75 100

110 11.2 18.6 56.0#

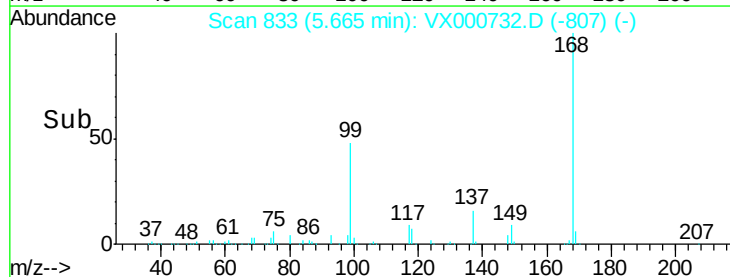
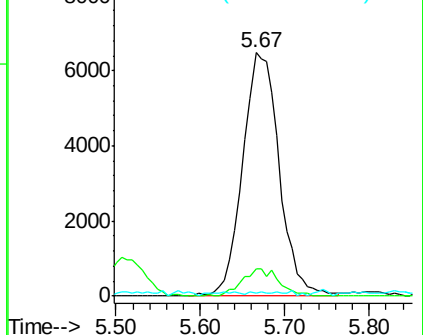
77 0.6 24.6 37.0#

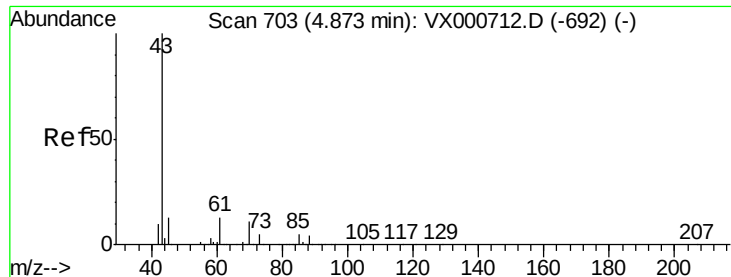


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.24 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

MW-11S-040218

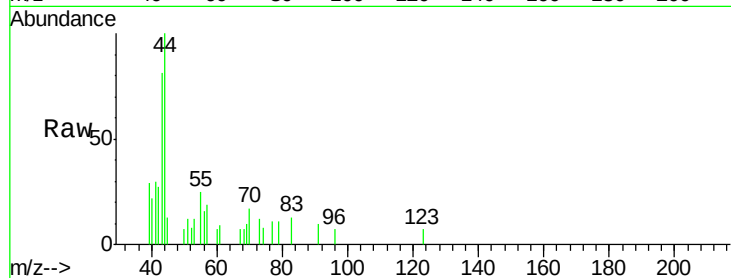
Tgt Ion: 43 Resp: 1015

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

70 24.1 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

4.87

600

400

200

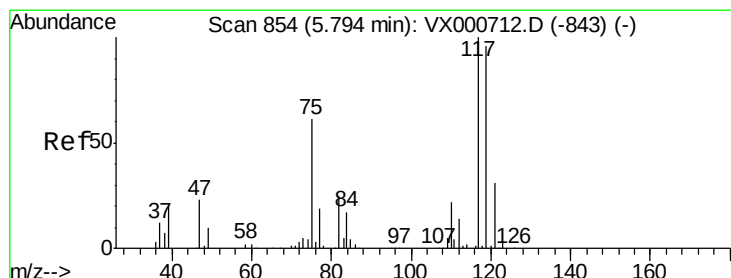
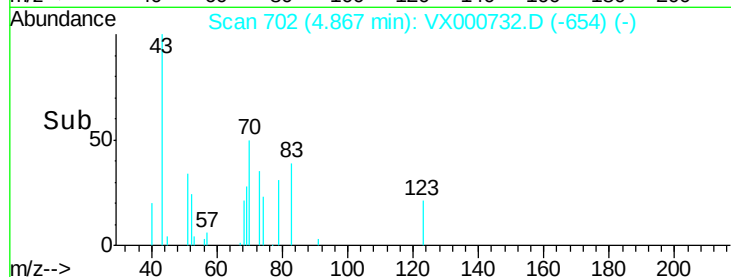
0

4.80

4.85

4.90

Time-->



#38

Carbon Tetrachloride

Concen: 6.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

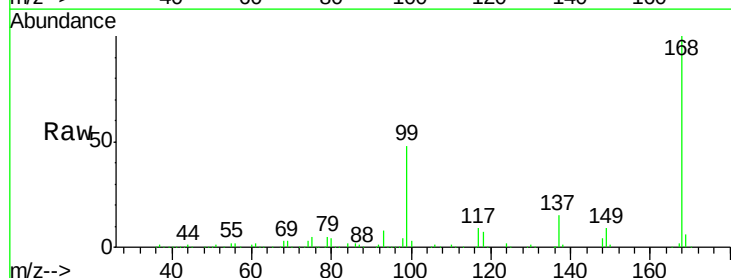
Tgt Ion: 117 Resp: 28339

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

121 0.0 24.7 37.1#



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

5.67

10000

5000

0

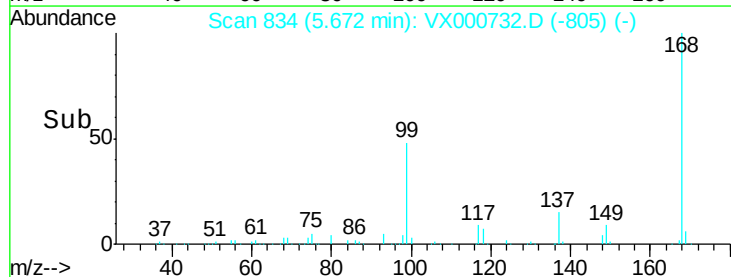
5.50

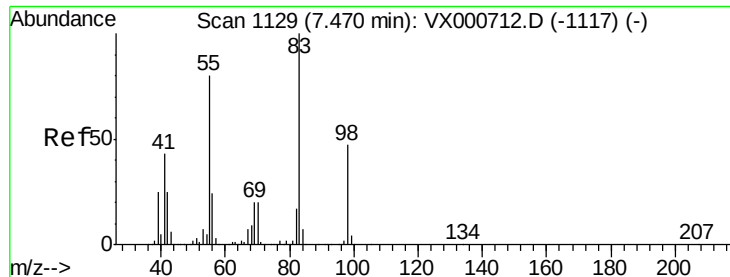
5.60

5.70

5.80

Time-->





#39

Methylcyclohexane

Concen: Below Cal

RT: 7.54 min Scan# 1140

Delta R.T. 0.07 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

MW-11S-040218

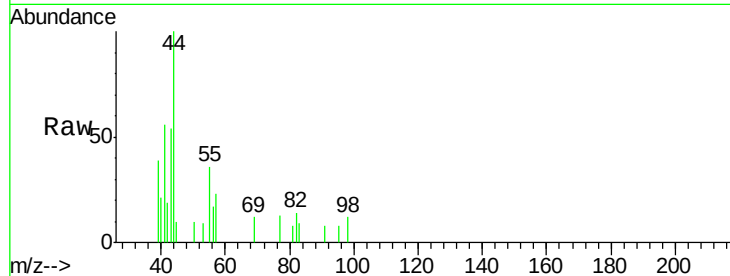
Tgt Ion: 83 Resp: 21

Ion Ratio Lower Upper

83 100

55 66.7 63.7 95.5

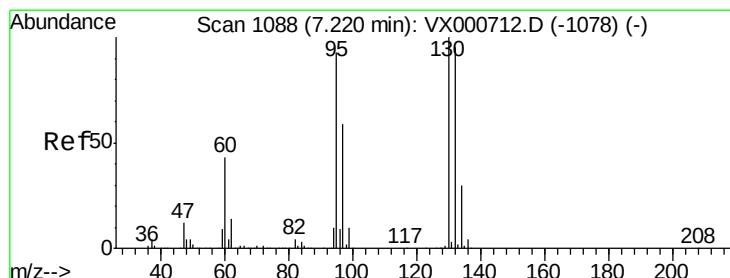
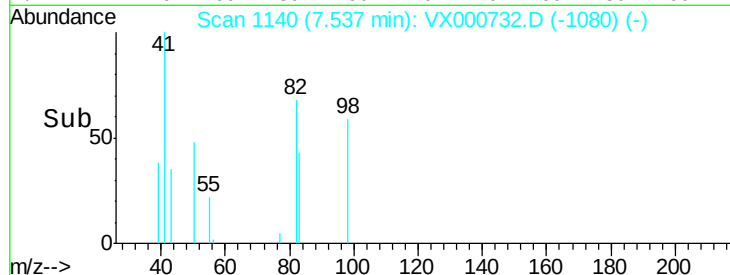
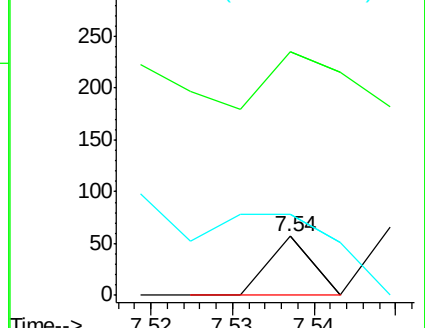
98 47.4 37.2 55.8



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: 0.22 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX000732.D

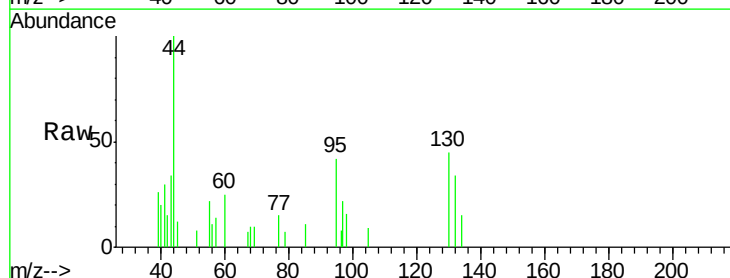
Acq: 08 Apr 2018 15:39

Tgt Ion: 130 Resp: 733

Ion Ratio Lower Upper

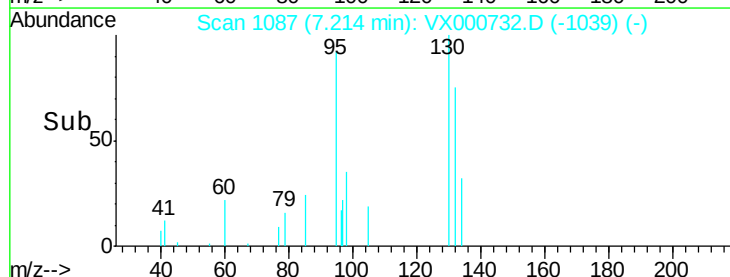
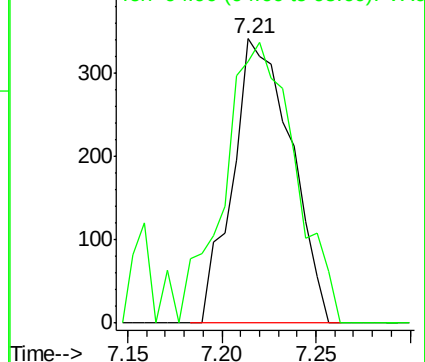
130 100

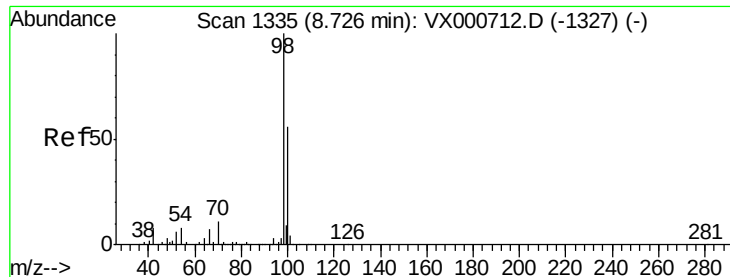
95 91.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 46.86 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

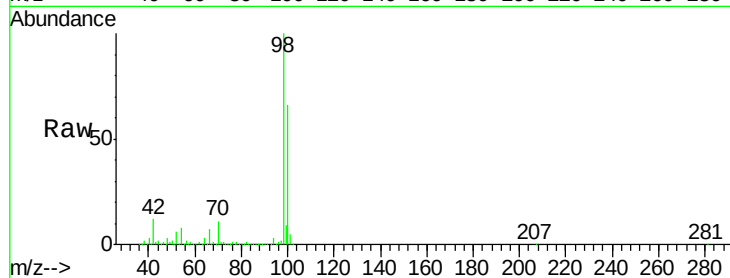
MW-11S-040218

Tgt Ion: 98 Resp: 525109

Ion Ratio Lower Upper

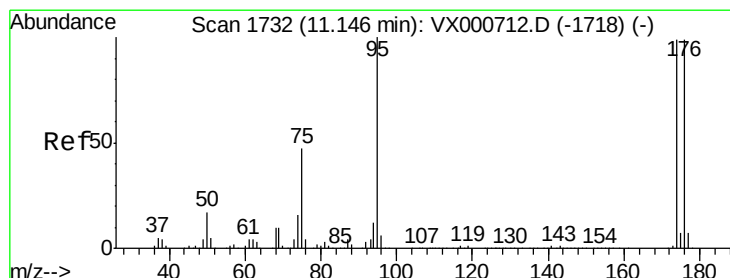
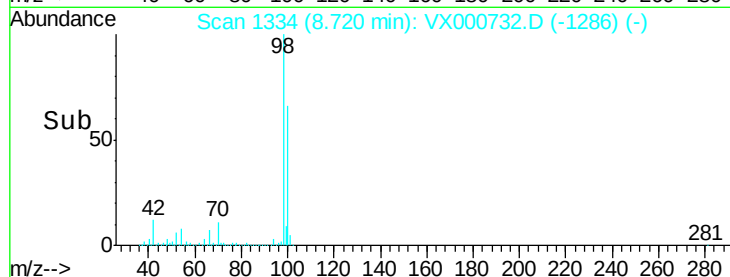
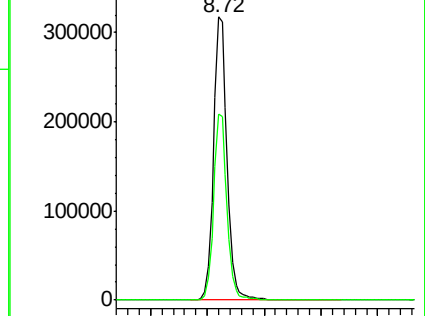
98 100

100 65.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.51 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

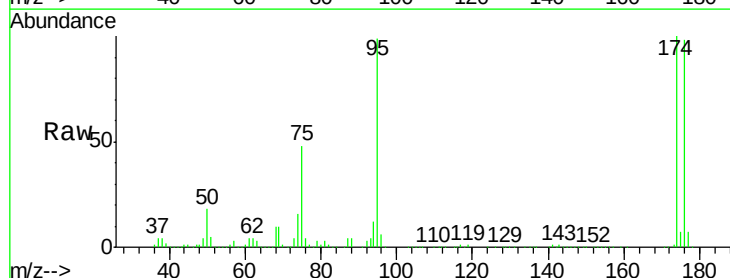
Tgt Ion: 95 Resp: 216461

Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.6

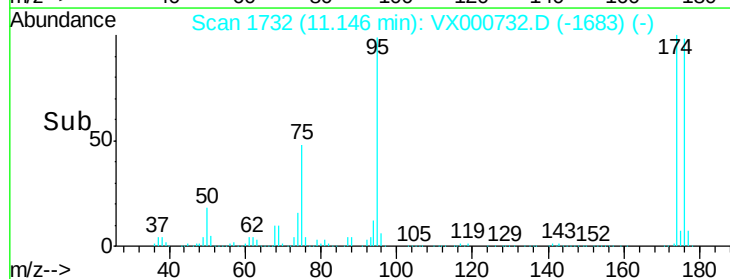
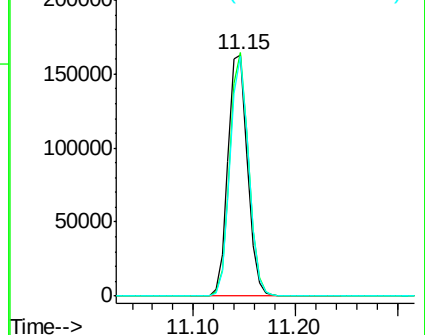
176 93.9 0.0 187.0

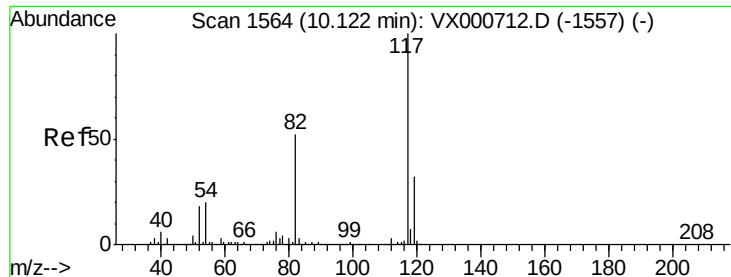


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

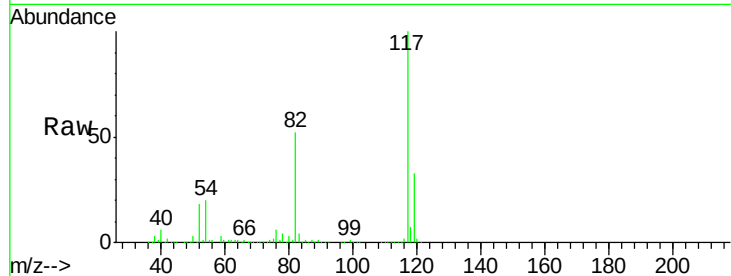




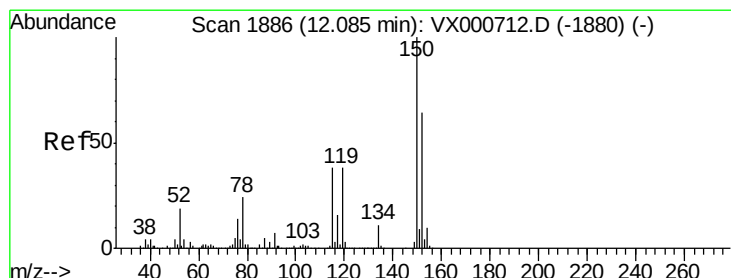
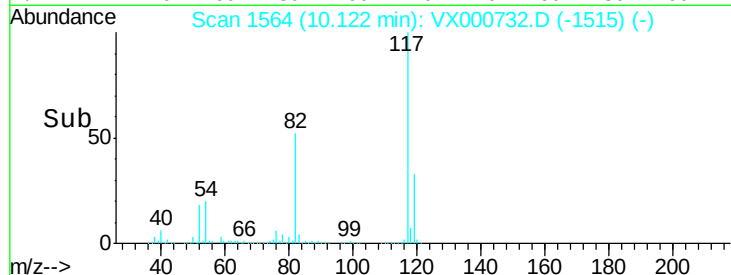
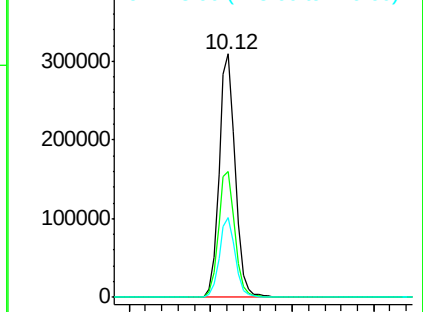
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000732.D
Acq: 08 Apr 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :
MW-11S-040218

Tgt Ion:117 Resp: 427509
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 32.6 25.8 38.8

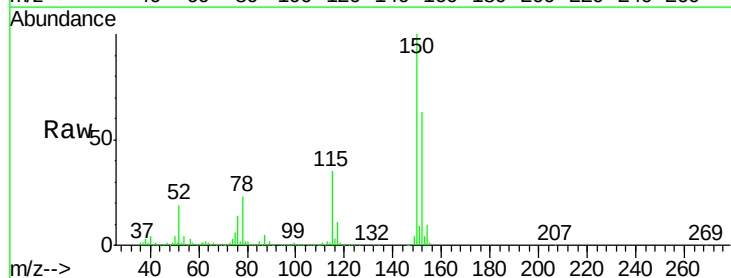


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

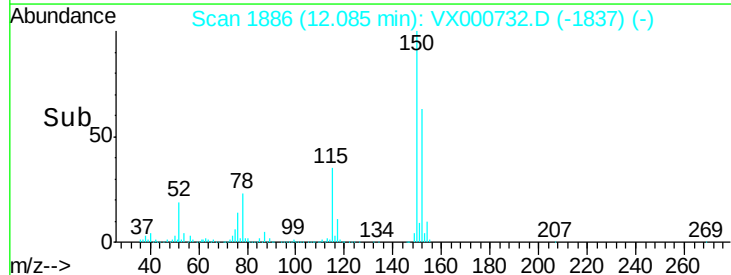
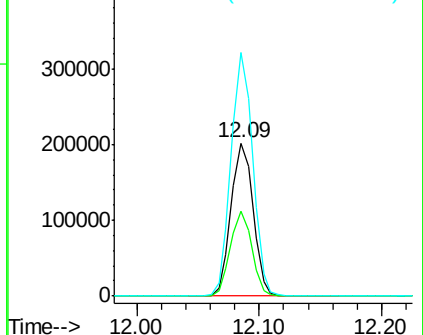


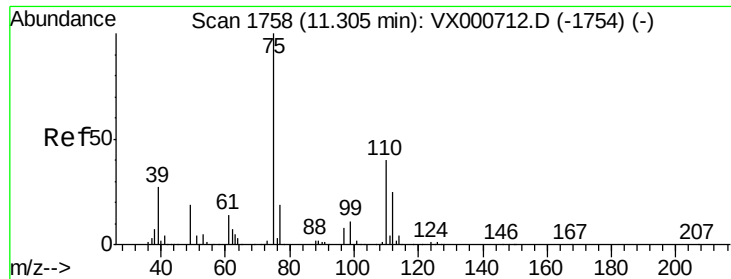
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000732.D
Acq: 08 Apr 2018 15:39

Tgt Ion:152 Resp: 251238
Ion Ratio Lower Upper
152 100
115 54.4 37.7 113.1
150 156.3 0.0 345.0



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: 25.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

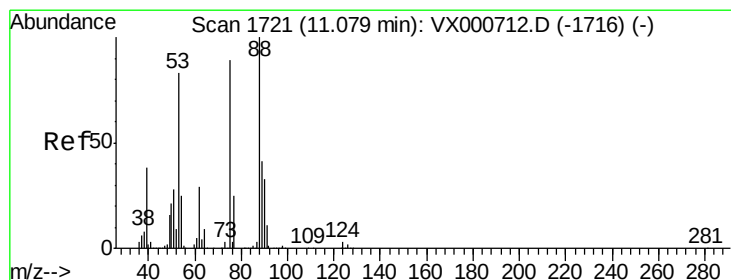
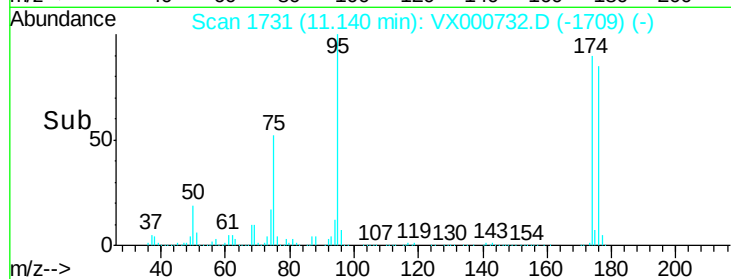
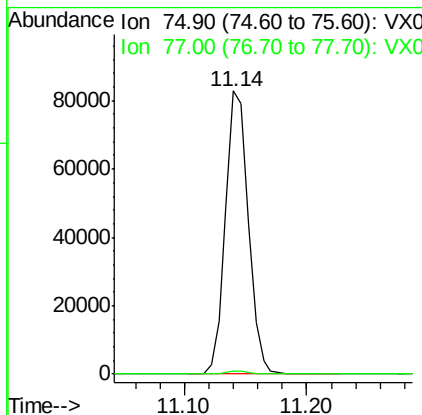
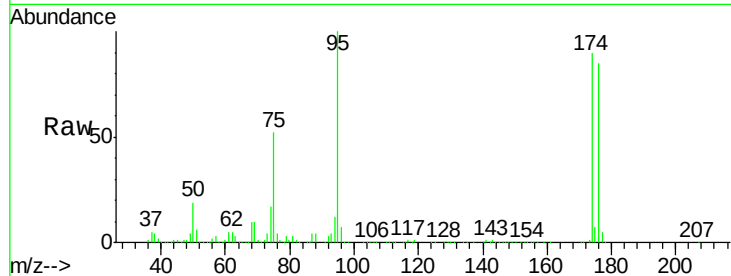
MW-11S-040218

Tgt Ion: 75 Resp: 107407

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000732.D

Acq: 08 Apr 2018 15:39

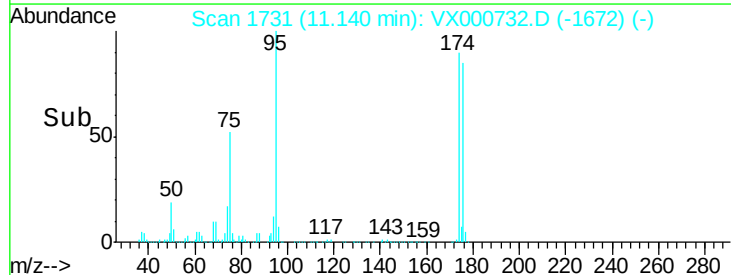
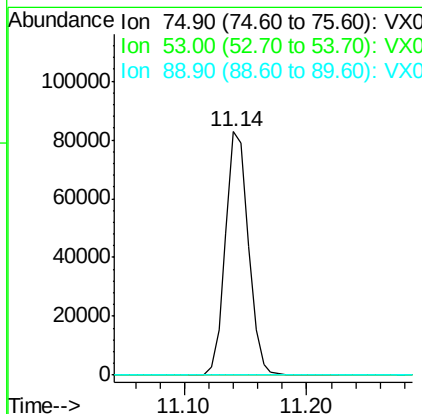
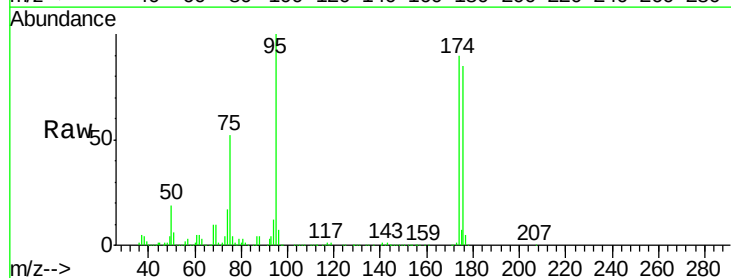
Tgt Ion: 75 Resp: 107407

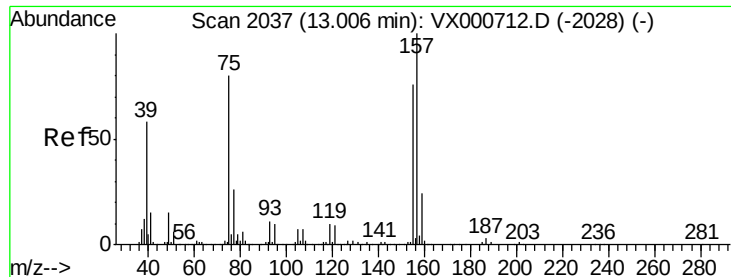
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.0 46.6 69.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.27 ug/l
 RT: 12.82 min Scan# 2007
 Delta R.T. -0.18 min
 Lab File: VX000732.D
 Acq: 08 Apr 2018 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11S-040218

Tgt Ion: 75 Resp: 315
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.4 145.0#
 157 0.0 62.8 188.5#

