

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040818\
 Data File : VX000736.D
 Acq On : 08 Apr 2018 17:21
 Operator : JC/MD
 Sample : J2216-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-EQUIP-BLANK

Quant Time: Apr 09 06:42:45 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	320747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	449506	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	420249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	243368	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	163932	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
35) Dibromofluoromethane	5.51	113	138653	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	8.72	98	517577	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
62) 4-Bromofluorobenzene	11.14	95	210656	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	

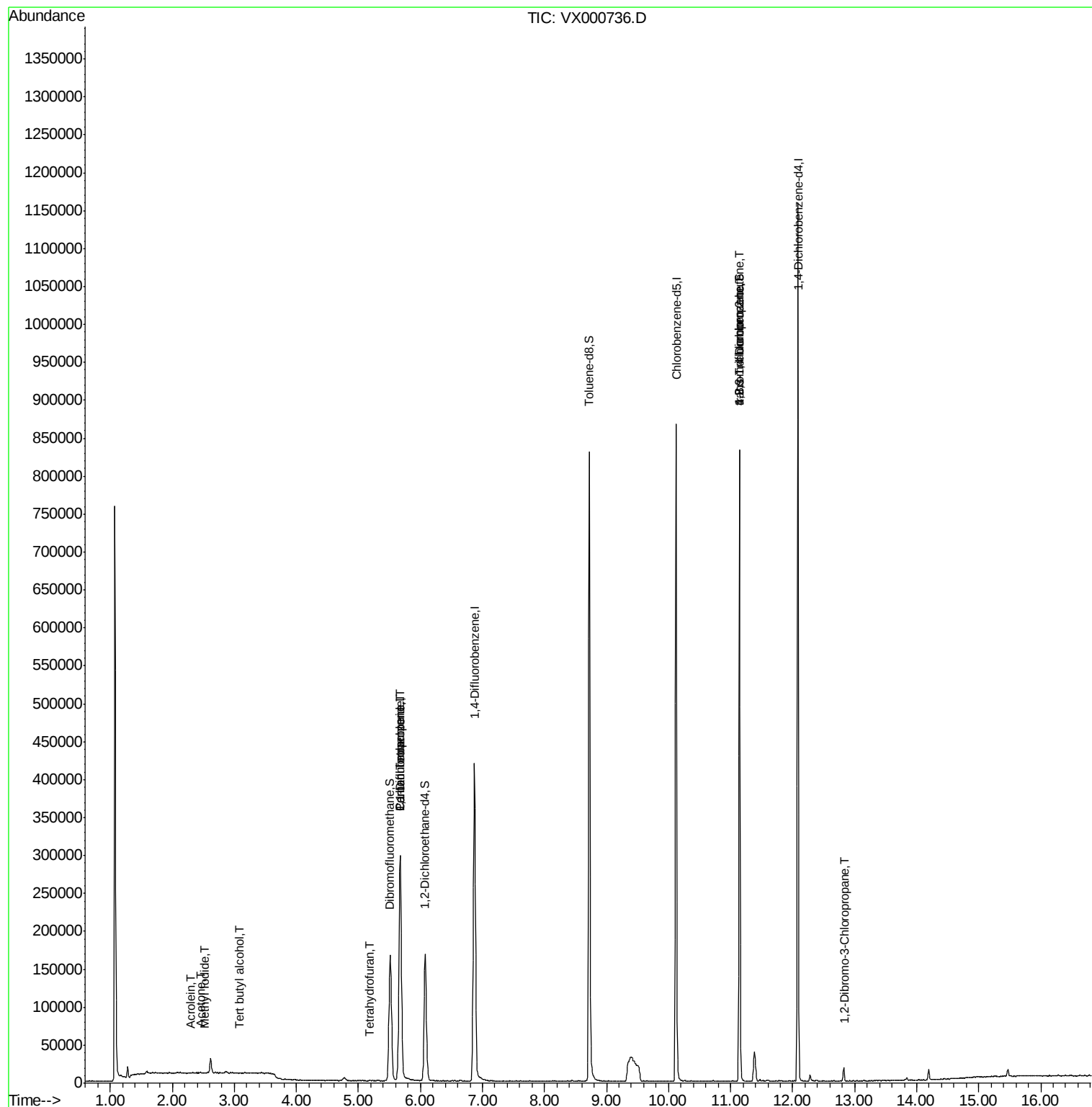
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	369	Below Cal	#	63
5) Bromomethane	1.66	94	405	Below Cal		91
8) Diethyl Ether	2.07	74	137	Below Cal		71
10) Methyl Iodide	2.52	142	205	5.43	ug/l #	96
11) Tert butyl alcohol	3.08	59	139	0.22	ug/l #	1
13) Acrolein	2.29	56	205	0.75	ug/l #	1
16) Acetone	2.45	43	1963	1.71	ug/l	91
17) Carbon Disulfide	2.57	76	470	Below Cal	#	60
20) Methylene Chloride	2.87	84	1271	Below Cal	#	78
28) Bromochloromethane	4.77	49	21	Below Cal	#	9
29) Tetrahydrofuran	5.18	42	319	0.25	ug/l #	61
31) Cyclohexane	5.59	56	170	Below Cal	#	85
36) 1,1-Dichloropropene	5.67	75	19225	4.99	ug/l #	51
38) Carbon Tetrachloride	5.68	117	27856	6.18	ug/l #	16
39) Methylcyclohexane	7.46	83	192	Below Cal	#	37
76) 1,2,3-Trichloropropane	11.14	75	103710	25.05	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	103710	65.21	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.82	75	420	0.37	ug/l #	1

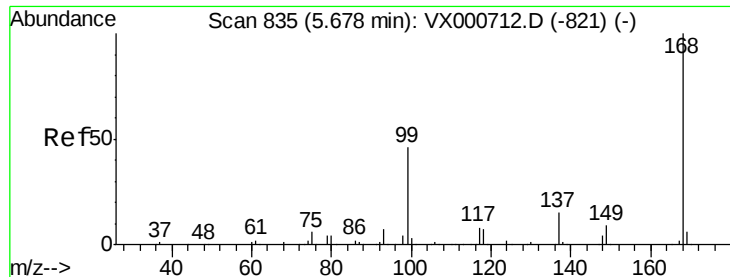
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000736.D

Acq: 08 Apr 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

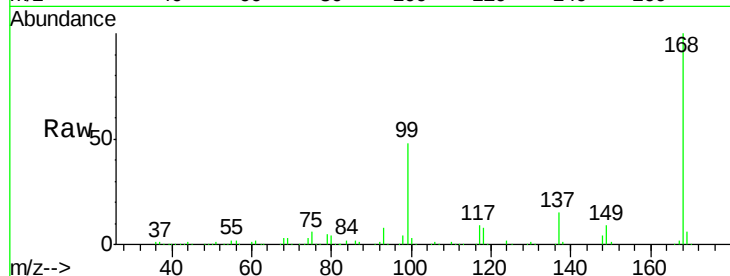
QNWP8-EQUIP-BLANK

Tgt Ion:168 Resp: 320747

Ion Ratio Lower Upper

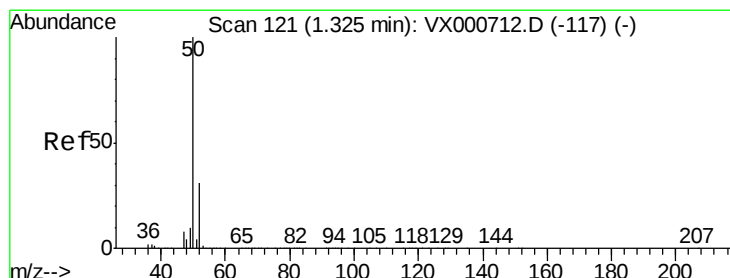
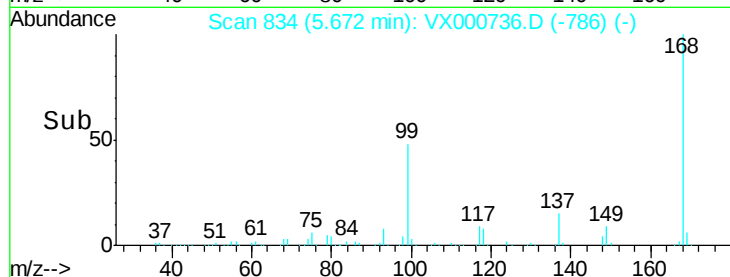
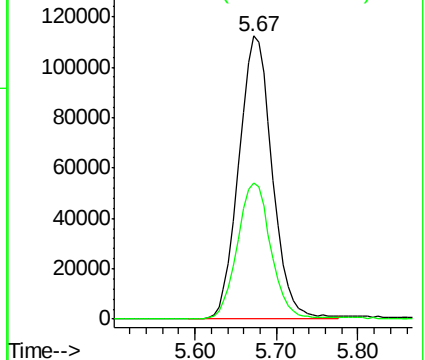
168 100

99 48.3 37.2 55.8



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: VX000736.D

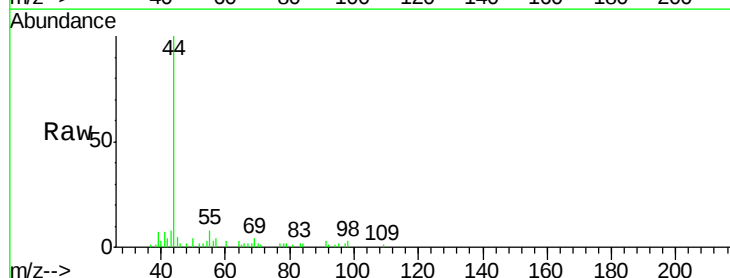
Acq: 08 Apr 2018 17:21

Tgt Ion: 50 Resp: 369

Ion Ratio Lower Upper

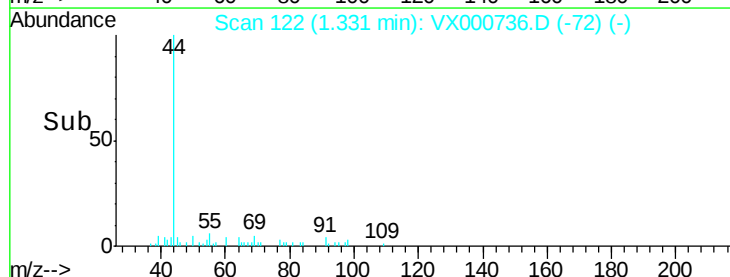
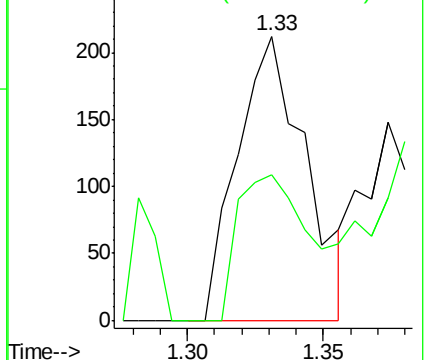
50 100

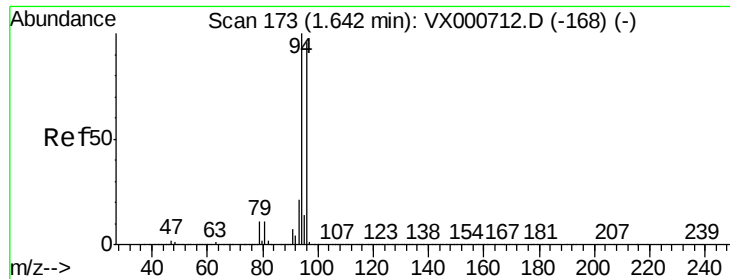
52 51.4 24.9 37.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

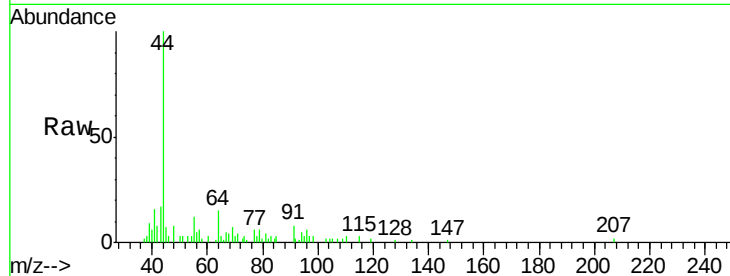
QNWP8-EQUIP-BLANK

Tgt Ion: 94 Resp: 405

Ion Ratio Lower Upper

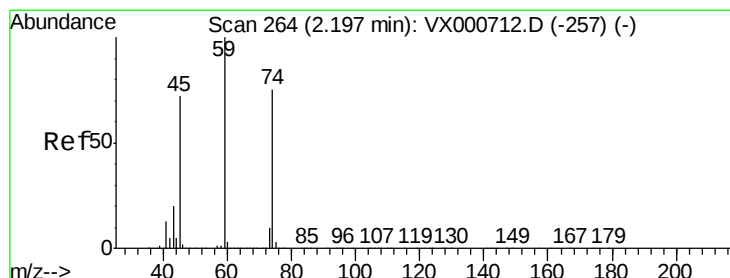
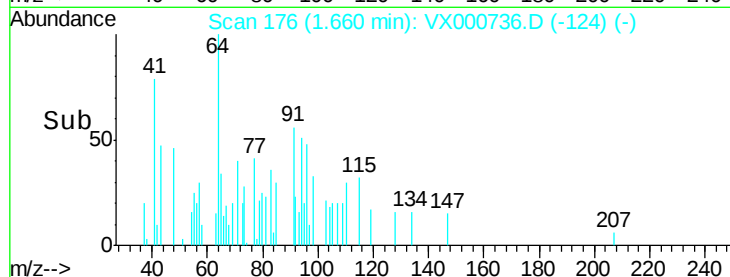
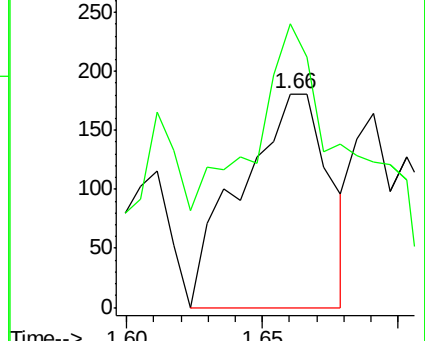
94 100

96 87.3 76.5 114.7



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: 2.07 min Scan# 244

Delta R.T. -0.12 min

Lab File: VX000736.D

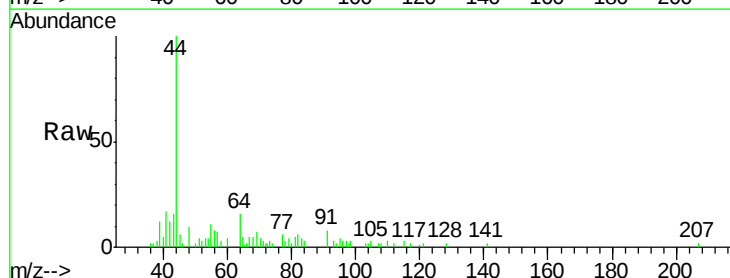
Acq: 08 Apr 2018 17:21

Tgt Ion: 74 Resp: 137

Ion Ratio Lower Upper

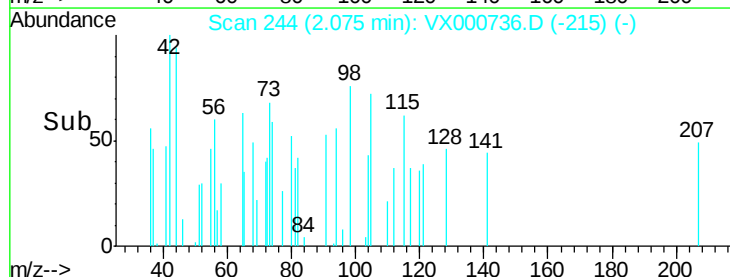
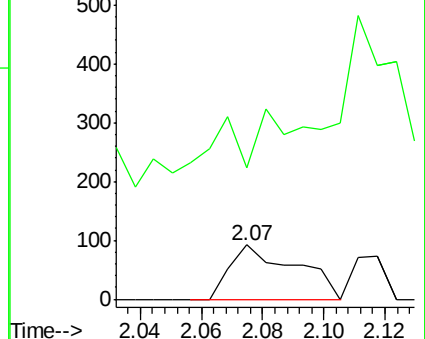
74 100

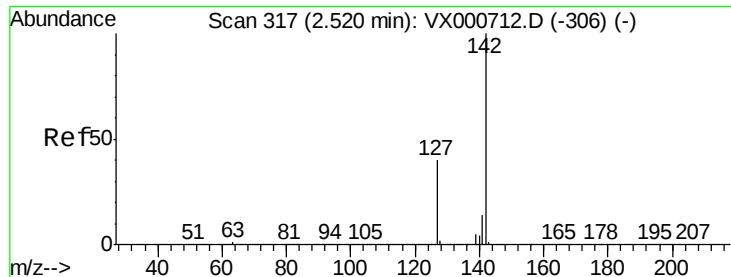
45 68.6 48.4 145.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

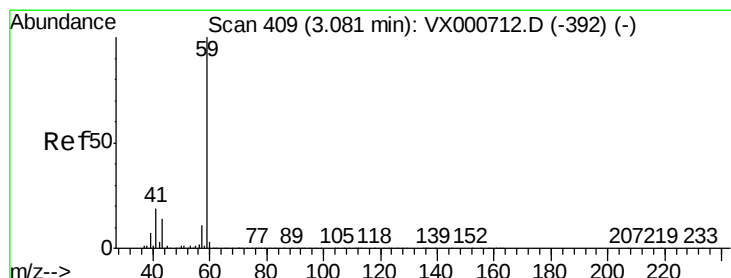
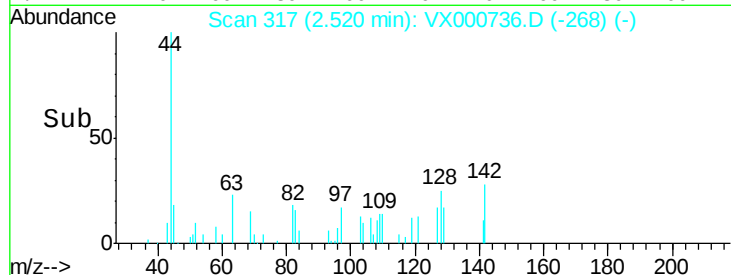
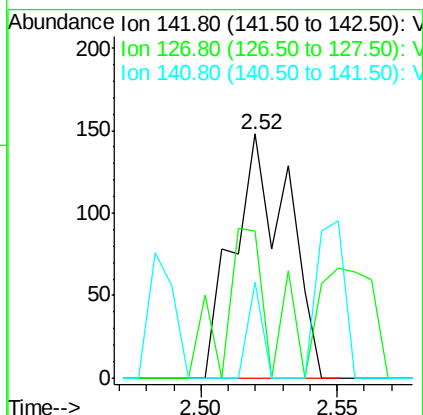
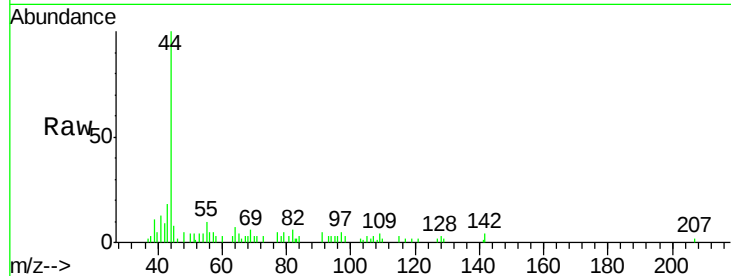




#10
Methyl Iodide
Concen: 5.43 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

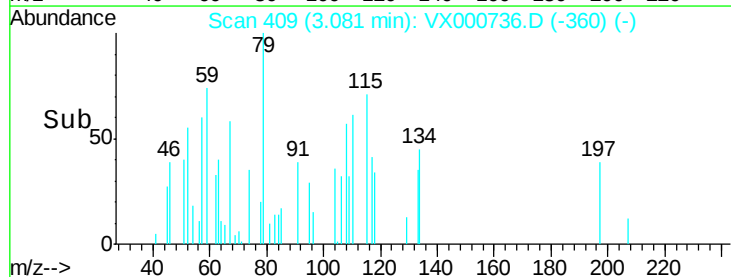
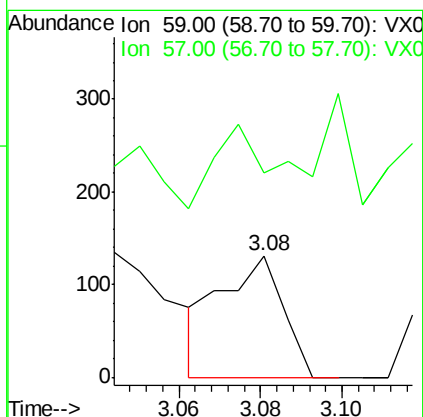
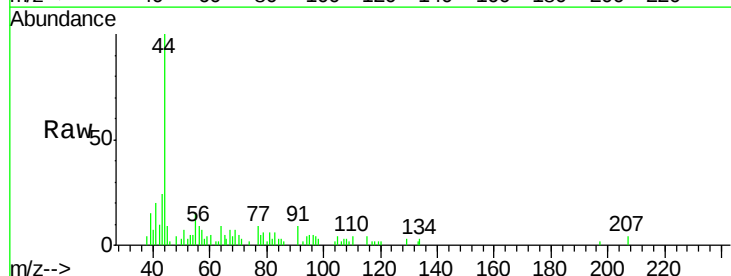
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-EQUIP-BLANK

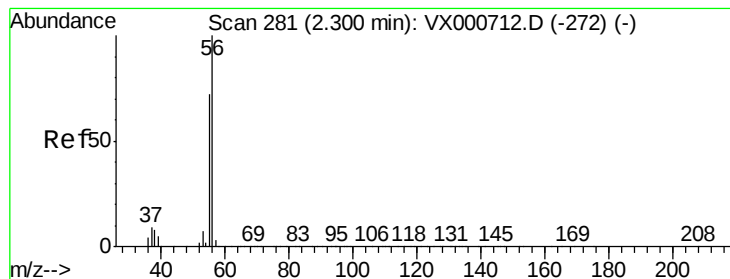
Tgt Ion: 142 Resp: 205
Ion Ratio Lower Upper
142 100
127 41.0 33.9 50.9
141 10.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 48.9 8.4 12.6#





#13

Acrolein

Concen: 0.75 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

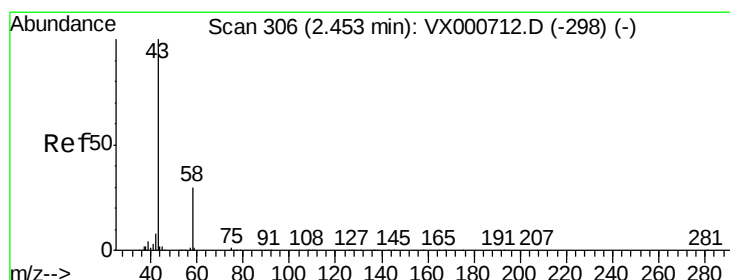
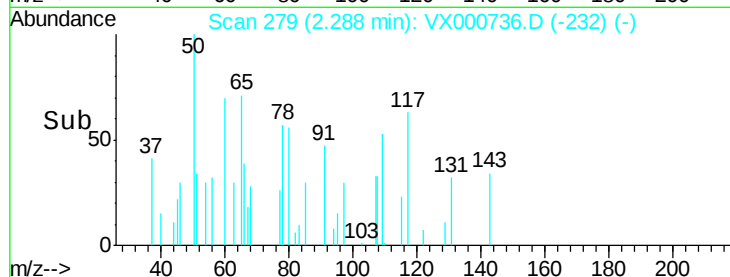
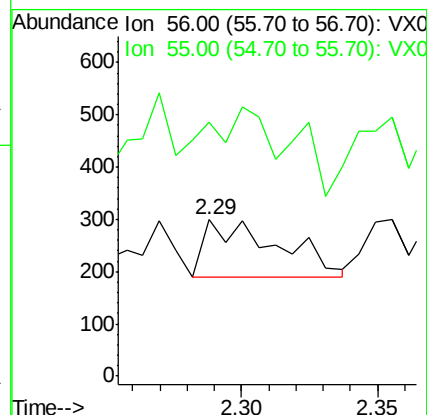
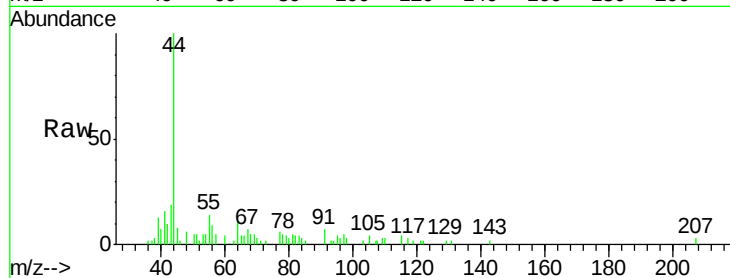
QNWP8-EQUIP-BLANK

Tgt Ion: 56 Resp: 205

Ion Ratio Lower Upper

56 100

55 158.5 57.4 86.2#



#16

Acetone

Concen: 1.71 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000736.D

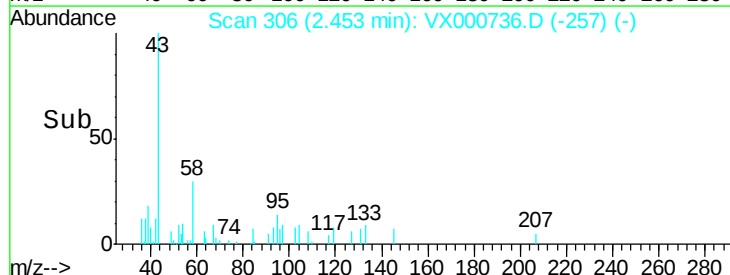
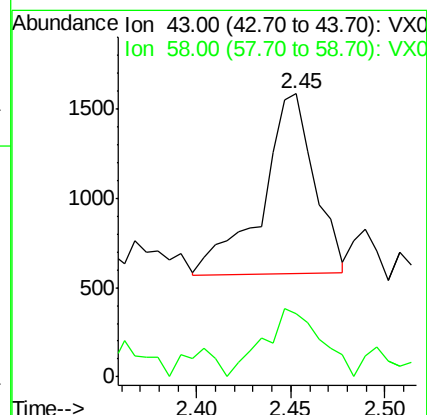
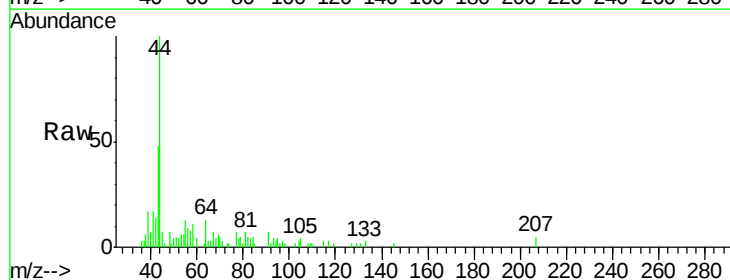
Acq: 08 Apr 2018 17:21

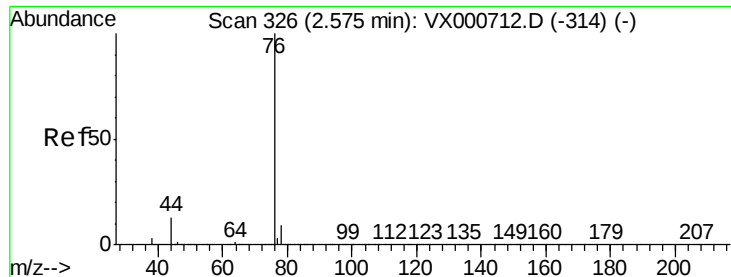
Tgt Ion: 43 Resp: 1963

Ion Ratio Lower Upper

43 100

58 25.3 24.0 36.0

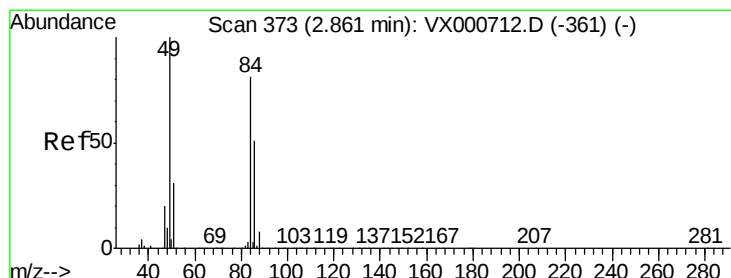
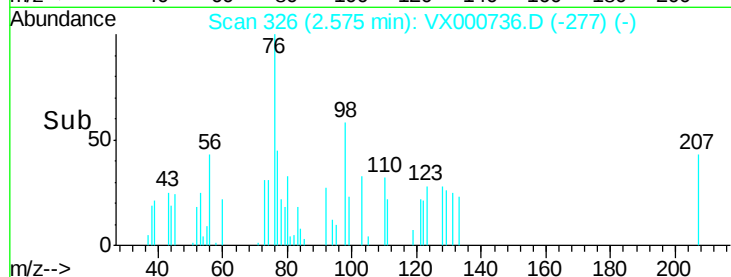
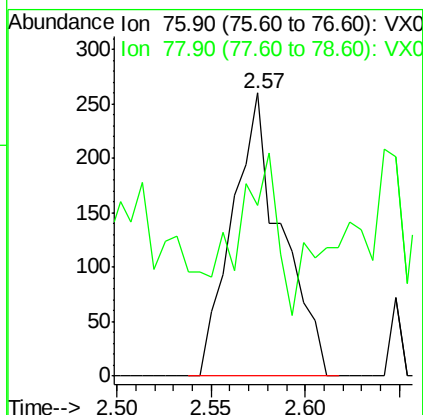
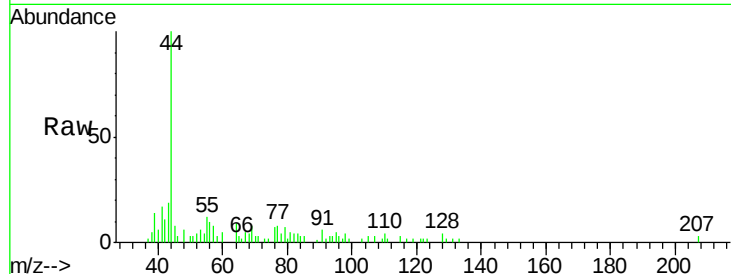




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

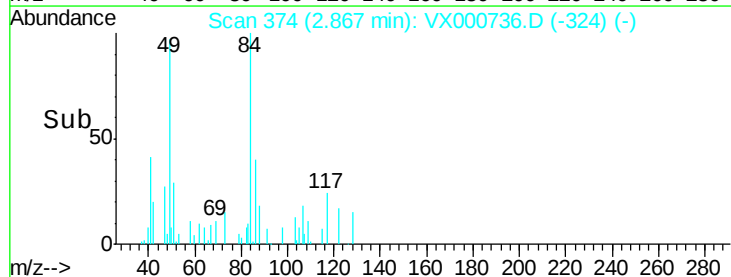
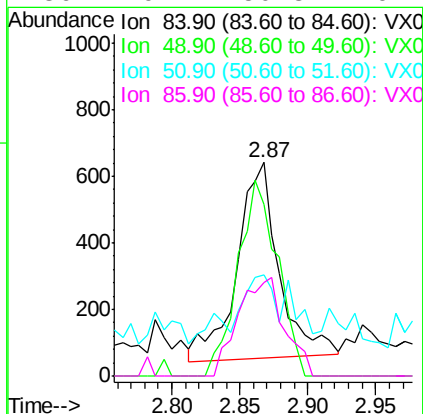
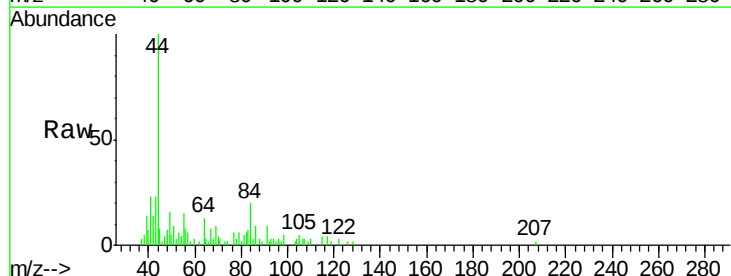
Instrument :
MSVOA_X
ClientSampleId :
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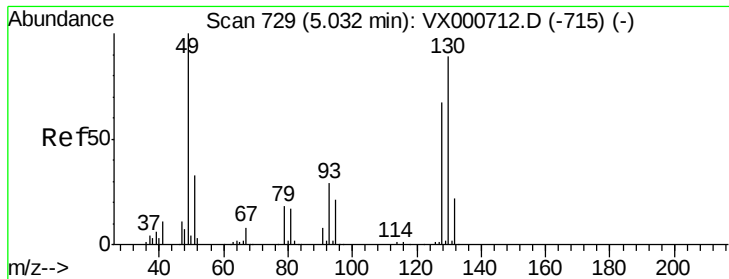
Tgt Ion: 76 Resp: 470
Ion Ratio Lower Upper
76 100
78 23.5 7.1 10.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

Tgt Ion: 84 Resp: 1271
Ion Ratio Lower Upper
84 100
49 90.2 98.6 148.0#
51 36.7 30.8 46.2
86 49.1 50.8 76.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.77 min Scan# 686

Delta R.T. -0.26 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

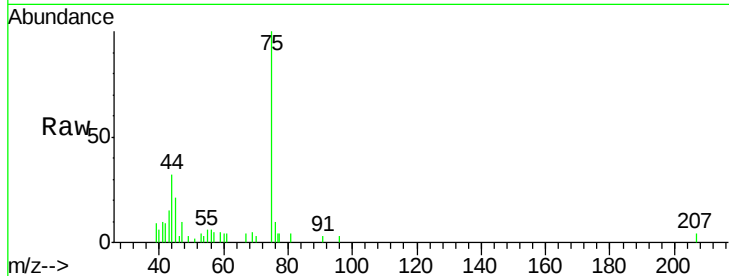
Instrument :

MSVOA_X

ClientSampleId :

QNWP8-EQUIP-BLANK

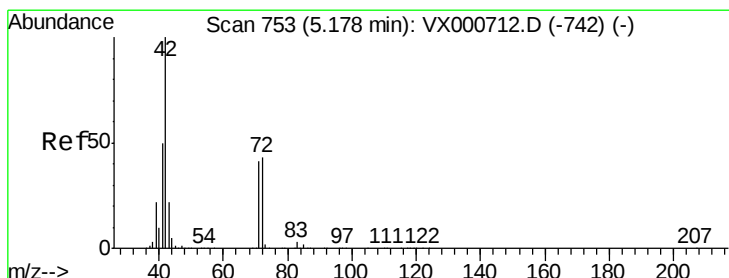
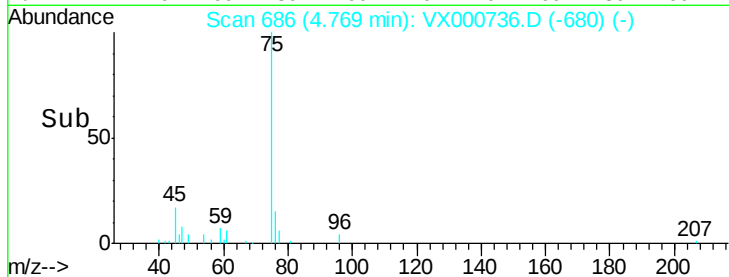
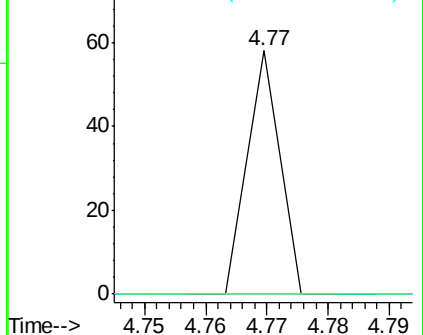
Tgt Ion:	49	Resp:	21
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	0.0	69.0	103.4#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.25 ug/l

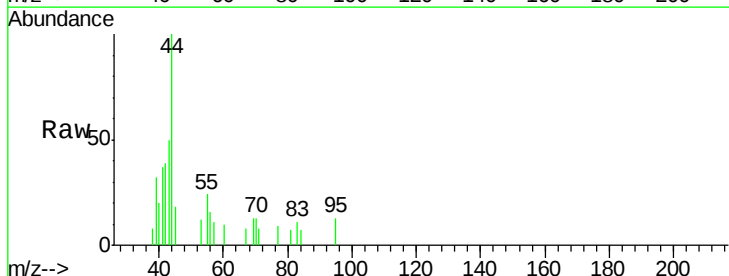
RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

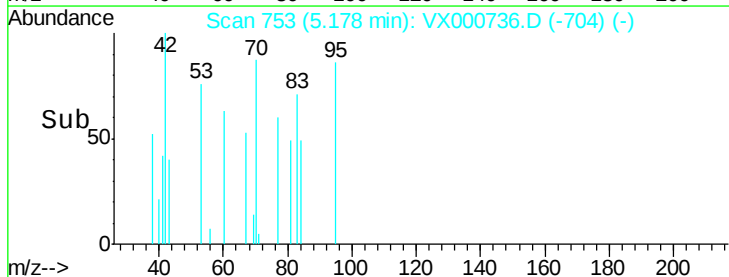
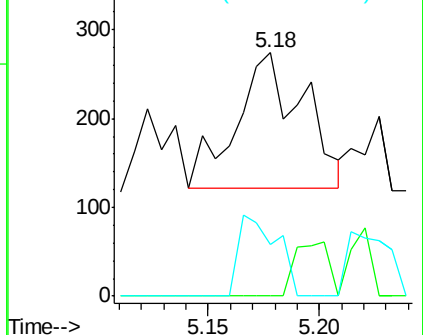
Tgt Ion:	42	Resp:	319
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.4	51.6#
71	34.5	32.0	48.0

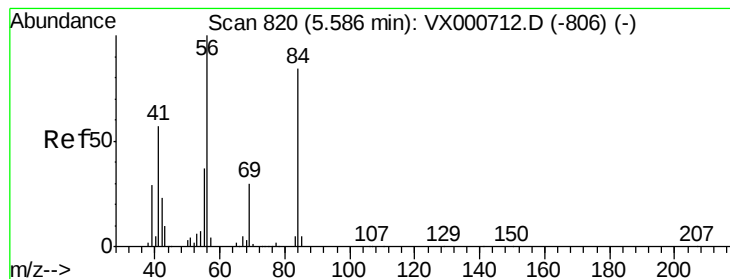


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: Below Cal

RT: 5.59 min Scan# 821

Delta R.T. 0.01 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-EQUIP-BLANK

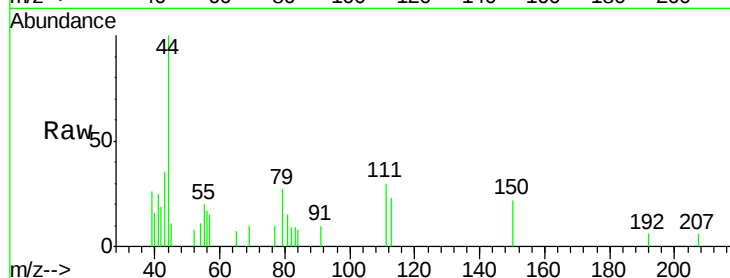
Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

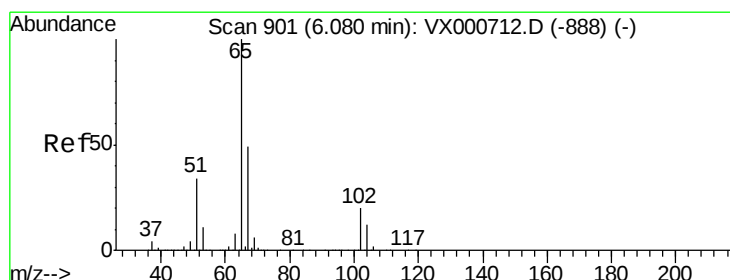
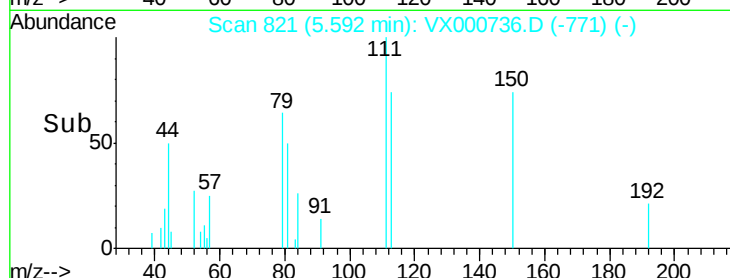
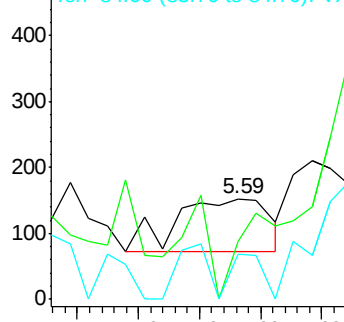
56 100

69 0.0 23.8 35.6#

84 85.0 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: 44.69 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000736.D

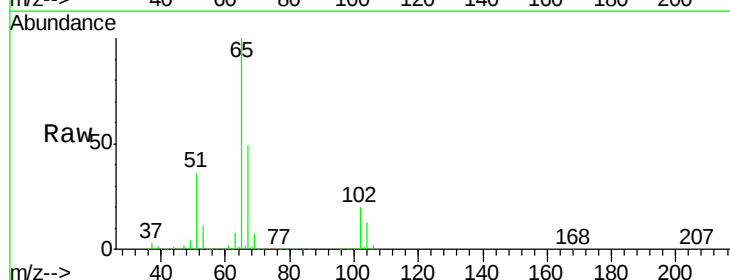
Acq: 08 Apr 2018 17:21

Tgt Ion: 65 Resp: 163932

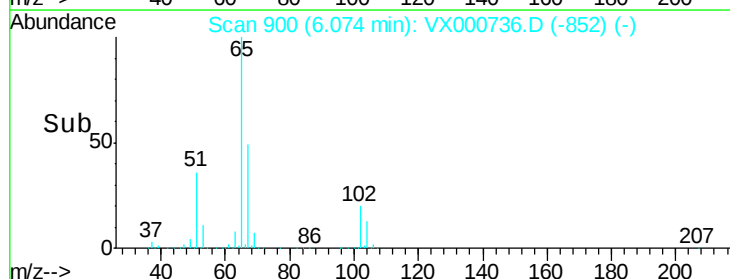
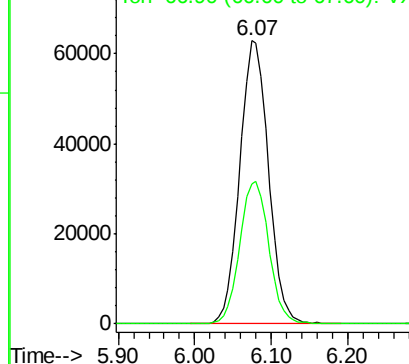
Ion Ratio Lower Upper

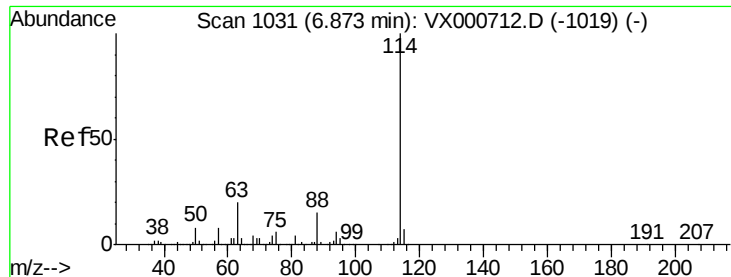
65 100

67 50.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-EQUIP-BLANK

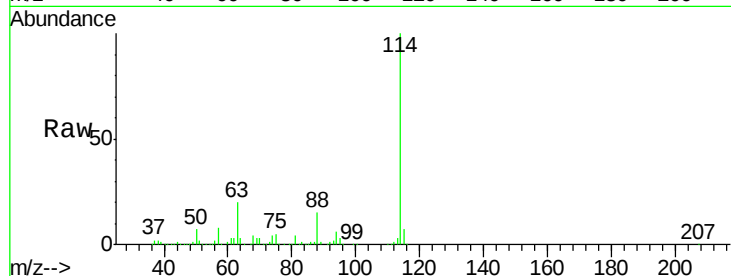
Tgt Ion:114 Resp: 449506

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

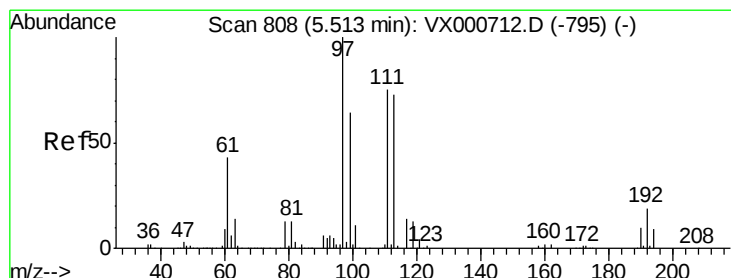
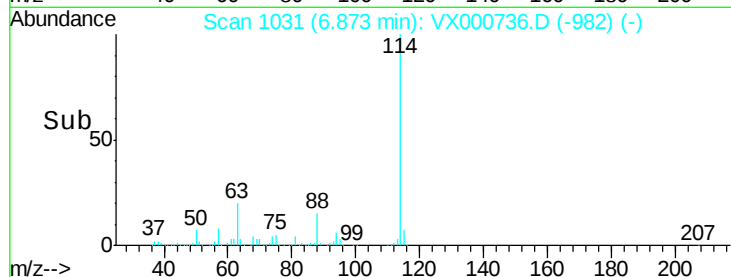
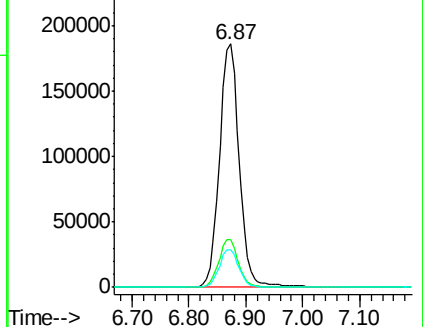
88 15.4 0.0 30.6



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: 47.72 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

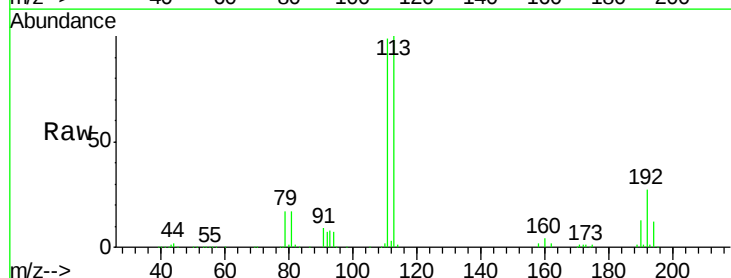
Tgt Ion:113 Resp: 138653

Ion Ratio Lower Upper

113 100

111 100.8 81.5 122.3

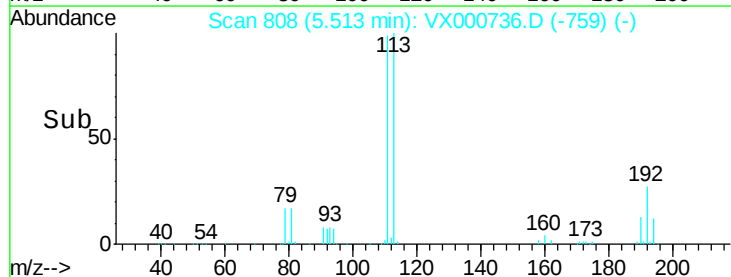
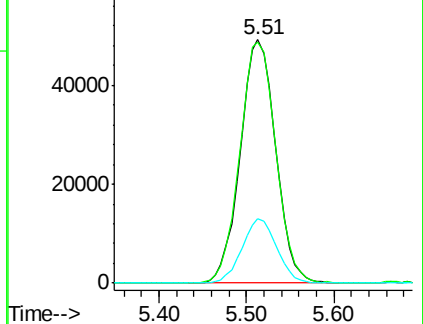
192 25.9 20.0 30.0

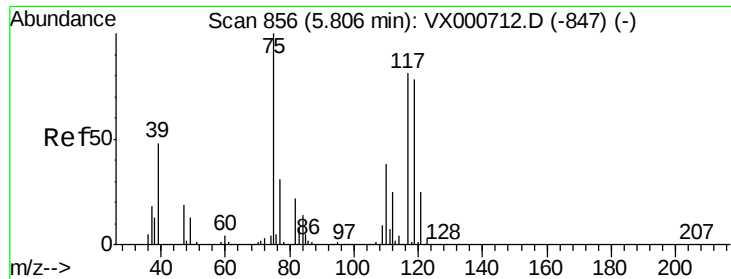


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

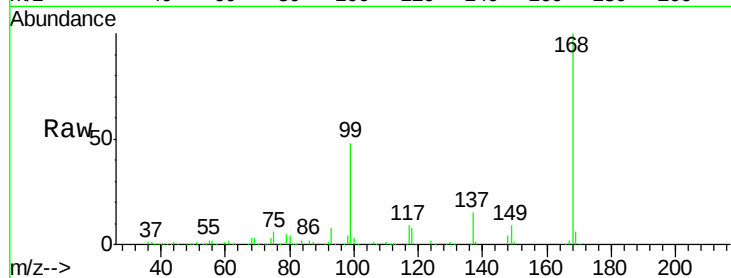




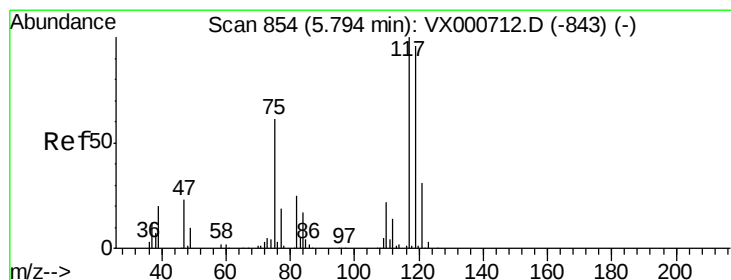
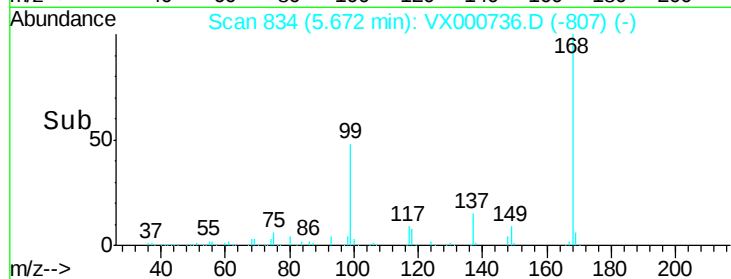
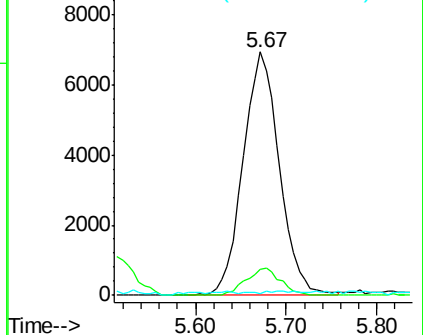
#36
 1,1-Dichloropropene
 Concen: 4.99 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000736.D
 Acq: 08 Apr 2018 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-EQUIP-BLANK

Tgt Ion: 75 Resp: 19225
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.6 56.0#
 77 0.6 24.6 37.0#

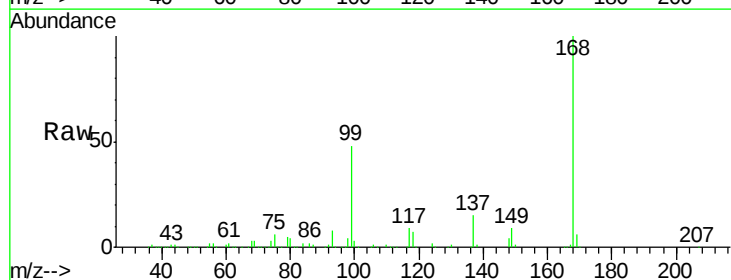


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

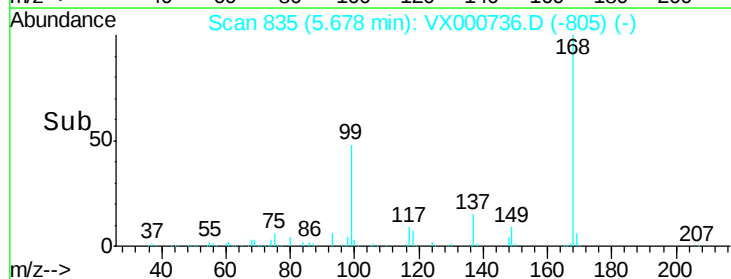
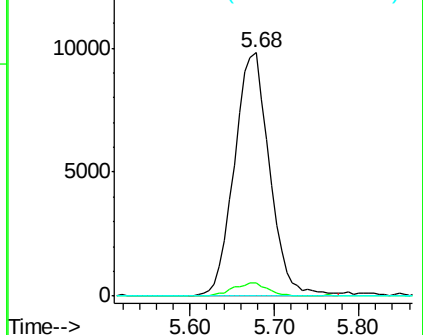


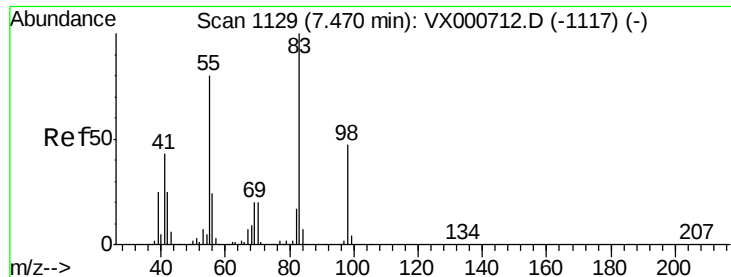
#38
 Carbon Tetrachloride
 Concen: 6.18 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000736.D
 Acq: 08 Apr 2018 17:21

Tgt Ion: 117 Resp: 27856
 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

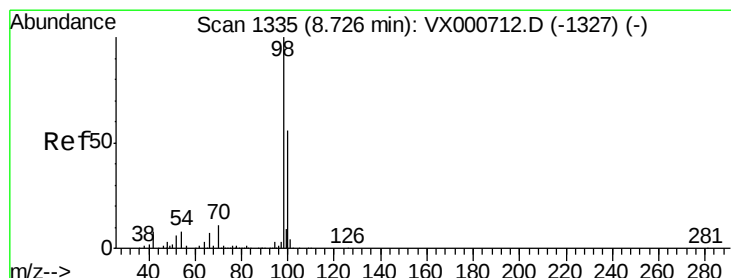
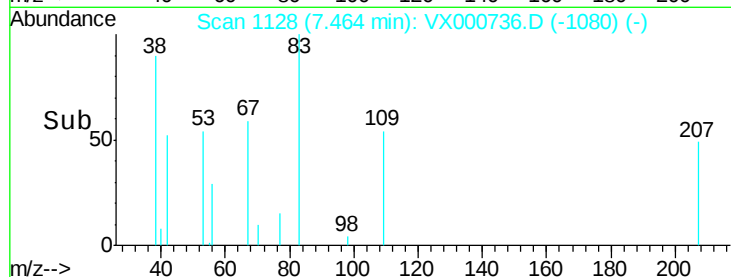
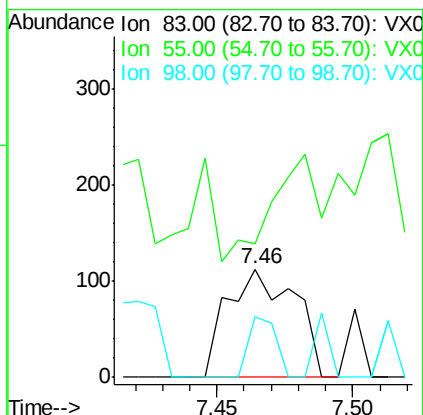
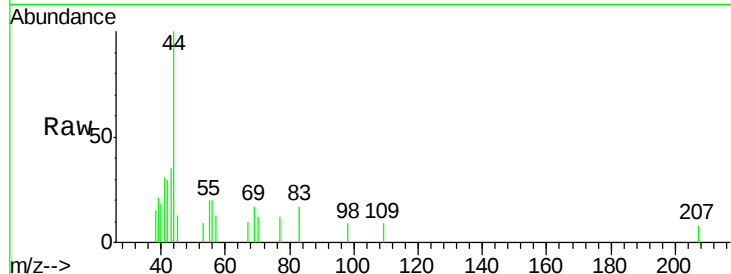




#39
Methylcyclohexane
Concen: Below Cal
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

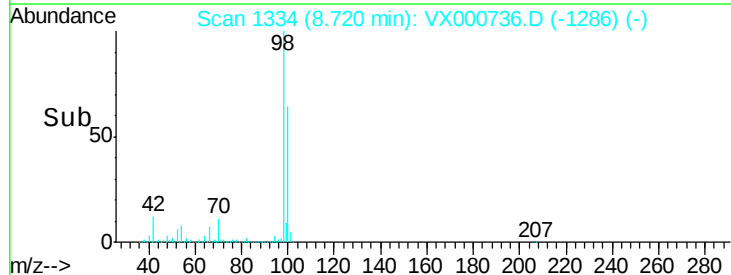
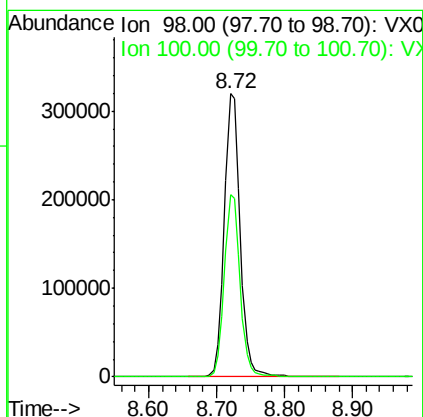
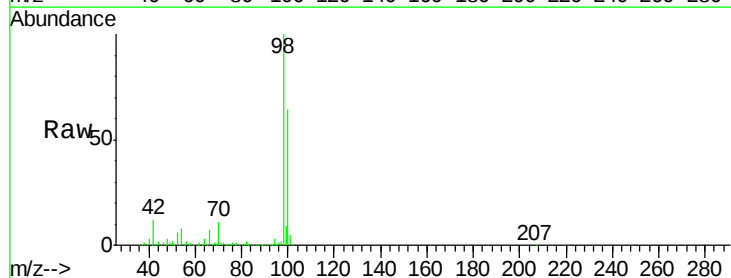
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-EQUIP-BLANK

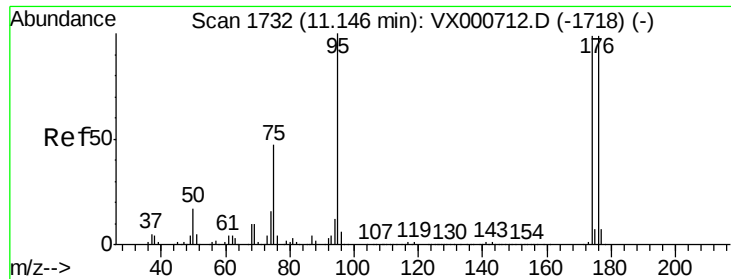
Tgt Ion: 83 Resp: 192
Ion Ratio Lower Upper
83 100
55 0.0 63.7 95.5#
98 56.3 37.2 55.8#



#50
Toluene-d8
Concen: 47.00 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

Tgt Ion: 98 Resp: 517577
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 46.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000736.D

Acq: 08 Apr 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-EQUIP-BLANK

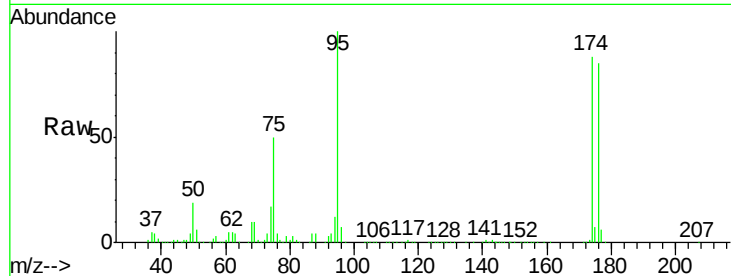
Tgt Ion: 95 Resp: 210656

Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.6

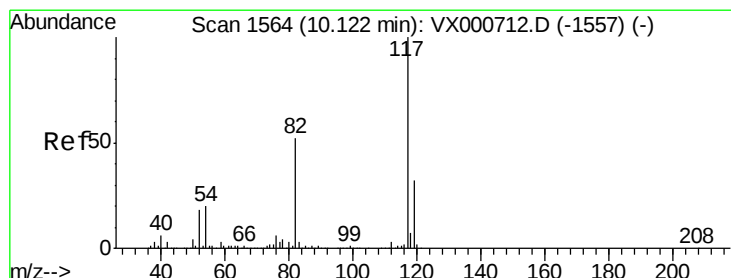
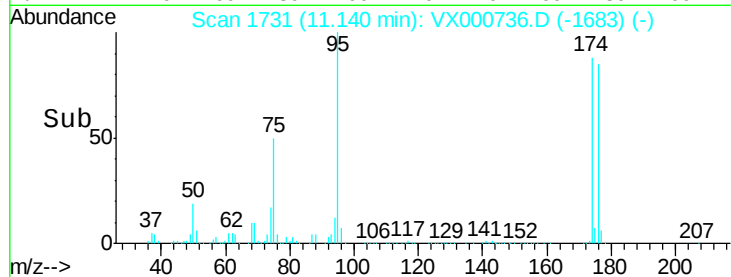
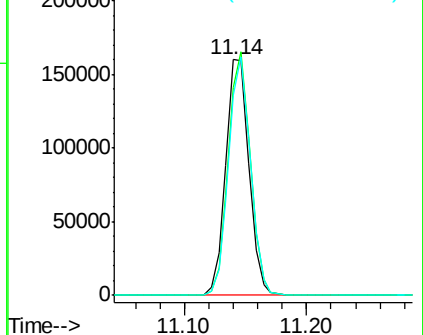
176 95.0 0.0 187.0



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: VX000736.D

Acq: 08 Apr 2018 17:21

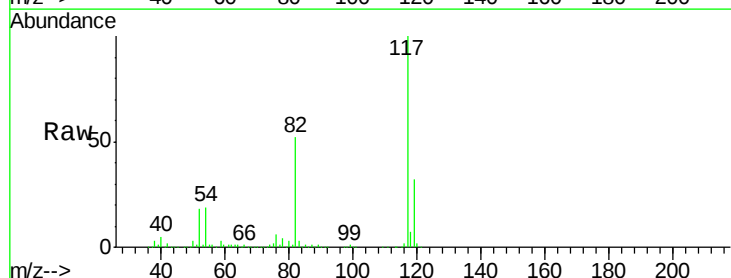
Tgt Ion: 117 Resp: 420249

Ion Ratio Lower Upper

117 100

82 51.9 41.9 62.9

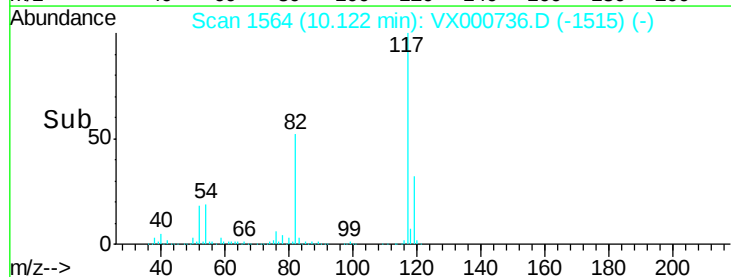
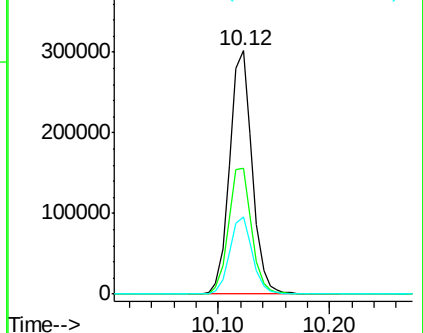
119 32.0 25.8 38.8

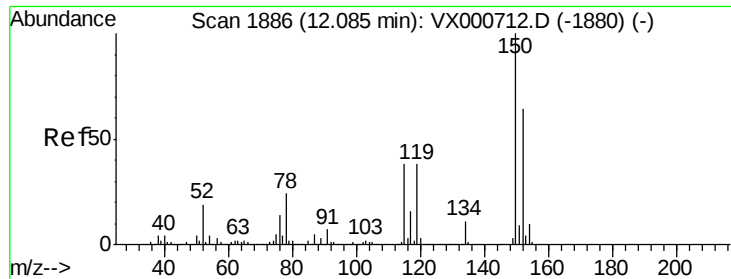


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX000736.D

Acq: 08 Apr 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-EQUIP-BLANK

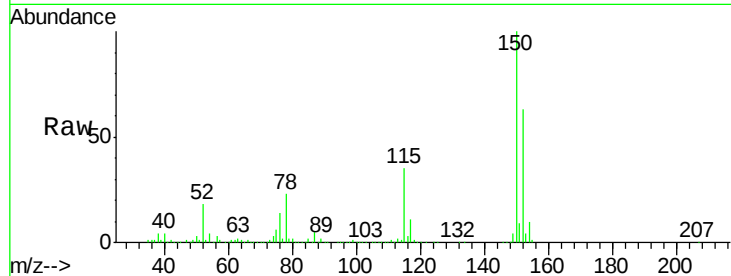
Tgt Ion:152 Resp: 243368

Ion Ratio Lower Upper

152 100

115 54.5 37.7 113.1

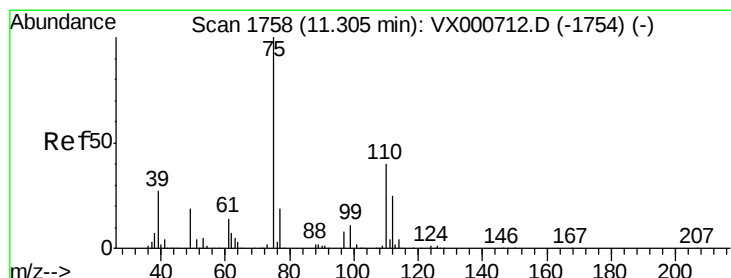
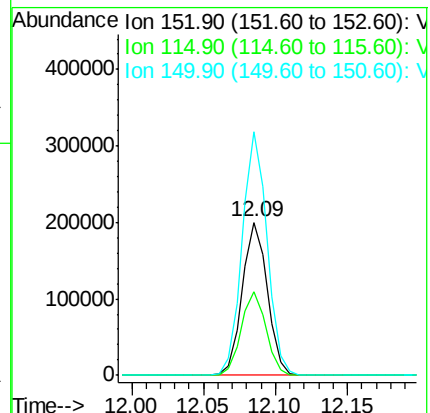
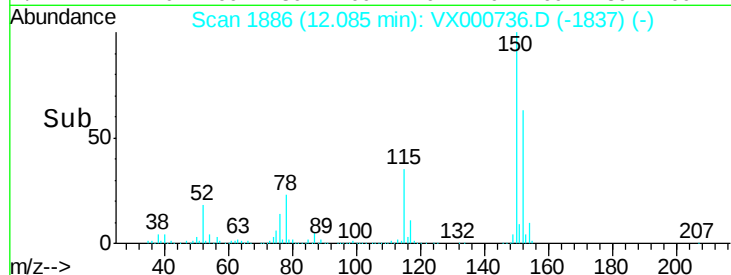
150 157.5 0.0 345.0



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: 25.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000736.D

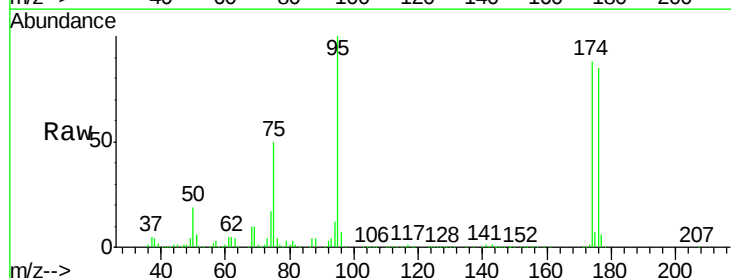
Acq: 08 Apr 2018 17:21

Tgt Ion: 75 Resp: 103710

Ion Ratio Lower Upper

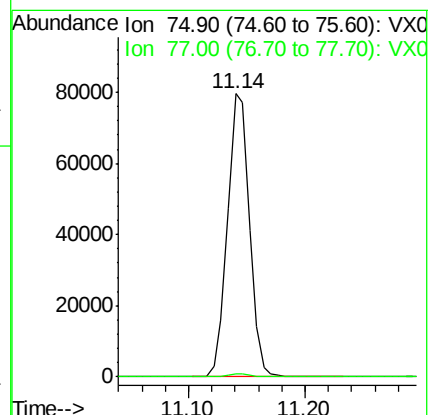
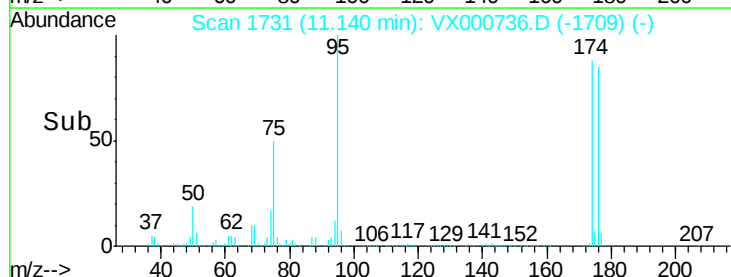
75 100

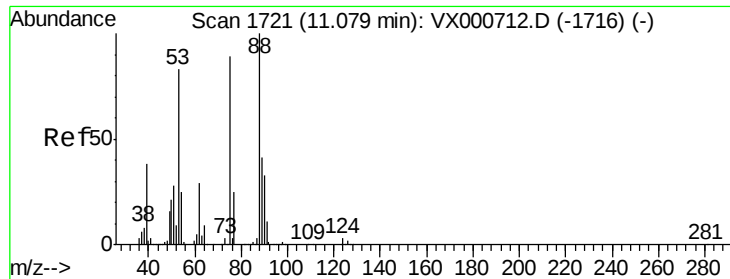
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

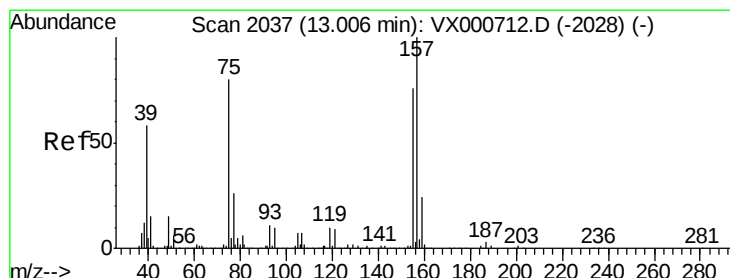
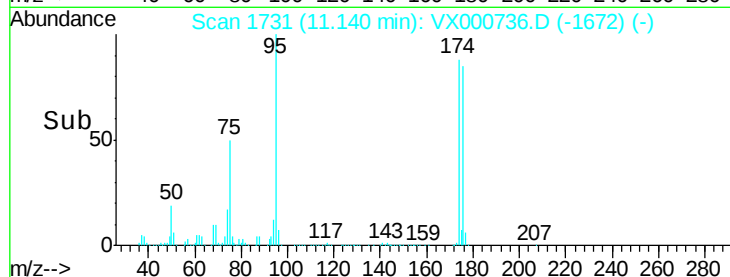
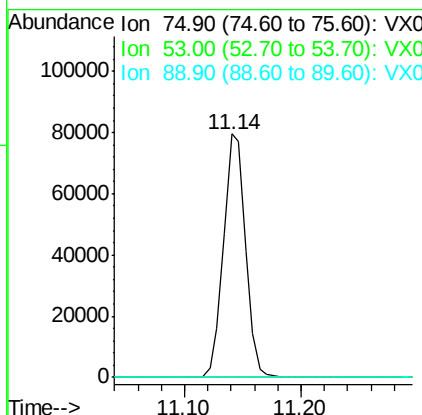
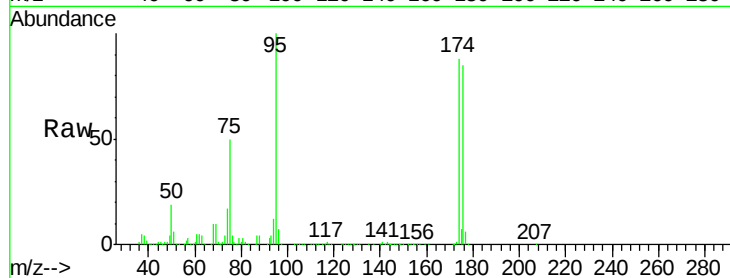




#81
trans-1,4-Dichloro-2-butene
Concen: 65.21 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-EQUIP-BLANK

Tgt Ion: 75 Resp: 103710
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 46.6 69.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.37 ug/l
RT: 12.82 min Scan# 2007
Delta R.T. -0.18 min
Lab File: VX000736.D
Acq: 08 Apr 2018 17:21

Tgt Ion: 75 Resp: 420
Ion Ratio Lower Upper
75 100
155 0.0 48.4 145.0#
157 0.0 62.8 188.5#

