

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040818\
 Data File : VX000737.D
 Acq On : 08 Apr 2018 17:46
 Operator : JC/MD
 Sample : J2216-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-2

Quant Time: Apr 09 06:43:00 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	317404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	447090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	414492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	243666	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	163056	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
35) Dibromofluoromethane	5.51	113	137395	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	8.72	98	512843	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
62) 4-Bromofluorobenzene	11.15	95	208476	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

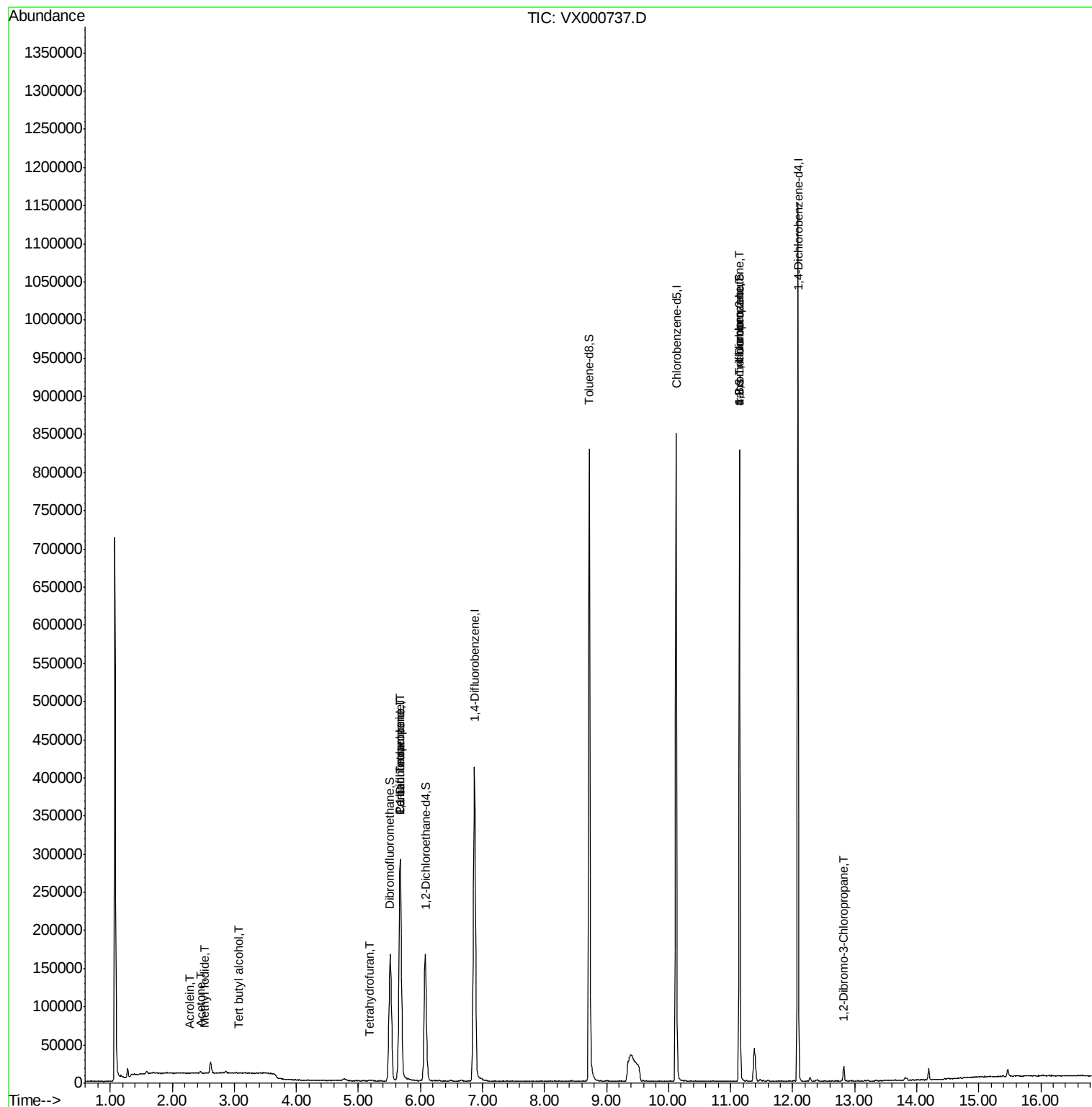
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	287	Below Cal	#	78
5) Bromomethane	1.66	94	266	Below Cal		92
8) Diethyl Ether	2.19	74	207	Below Cal		97
10) Methyl Iodide	2.51	142	166	5.41	ug/l #	49
11) Tert butyl alcohol	3.07	59	162	0.26	ug/l #	1
13) Acrolein	2.29	56	81	0.30	ug/l #	7
16) Acetone	2.45	43	2598	2.28	ug/l	93
17) Carbon Disulfide	2.57	76	362	Below Cal	#	83
20) Methylene Chloride	2.87	84	1162	Below Cal		92
29) Tetrahydrofuran	5.18	42	568	0.45	ug/l #	34
31) Cyclohexane	5.67	56	5198	Below Cal	#	1
36) 1,1-Dichloropropene	5.67	75	18618	4.86	ug/l #	51
38) Carbon Tetrachloride	5.68	117	27372	6.10	ug/l #	16
39) Methylcyclohexane	7.48	83	74	Below Cal	#	74
76) 1,2,3-Trichloropropane	11.14	75	102859	24.81	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	102859	64.59	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.82	75	495	0.43	ug/l #	1

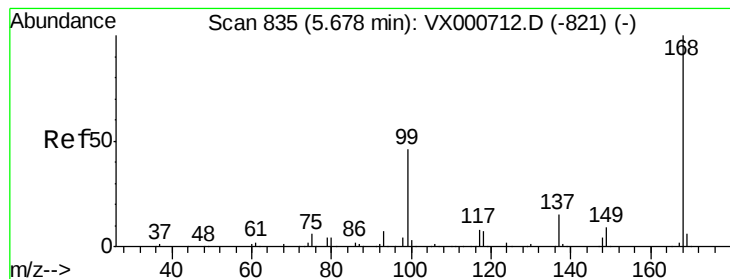
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

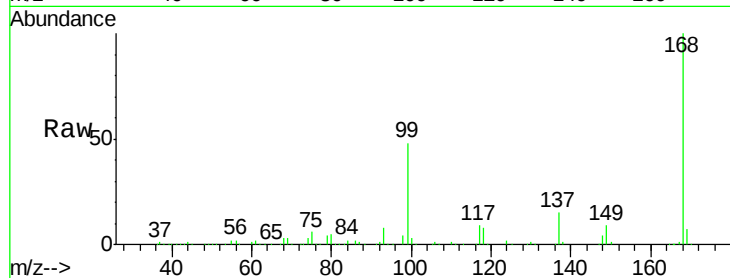
QNWP8-TRIP-BLANK-2

Tgt Ion:168 Resp: 317404

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

5.67

120000

100000

80000

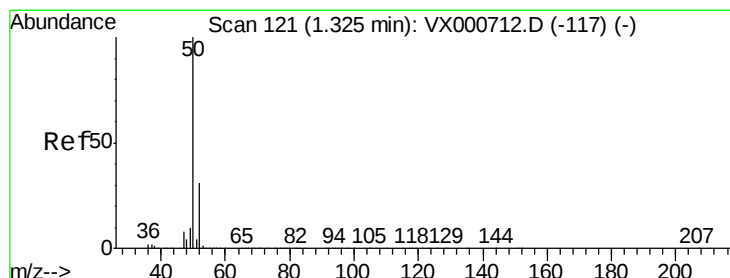
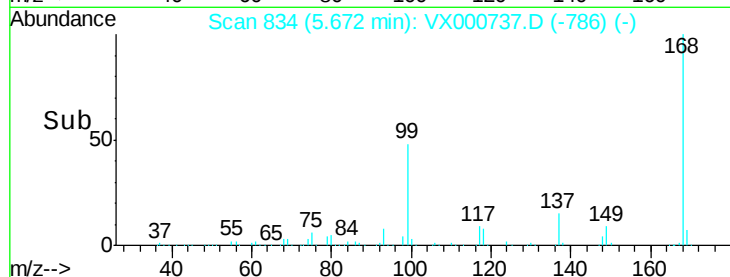
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000737.D

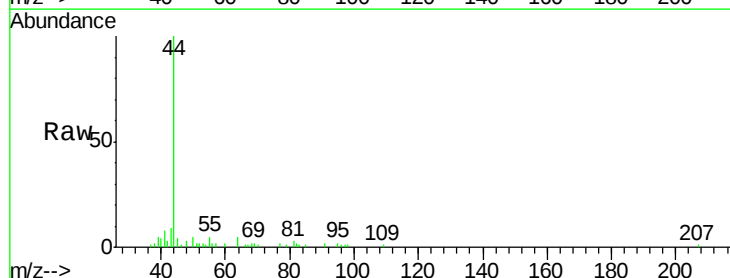
Acq: 08 Apr 2018 17:46

Tgt Ion: 50 Resp: 287

Ion Ratio Lower Upper

50 100

52 43.1 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

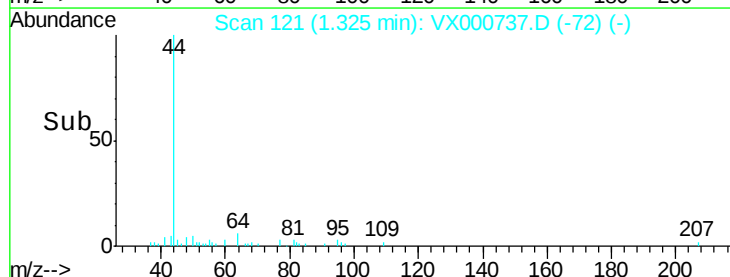
150

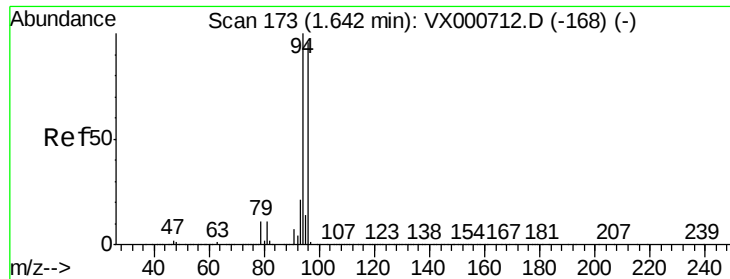
100

50

0

Time--> 1.28 1.30 1.32 1.34





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

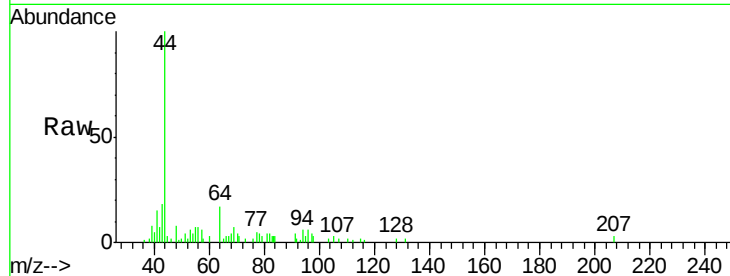
QNWP8-TRIP-BLANK-2

Tgt Ion: 94 Resp: 266

Ion Ratio Lower Upper

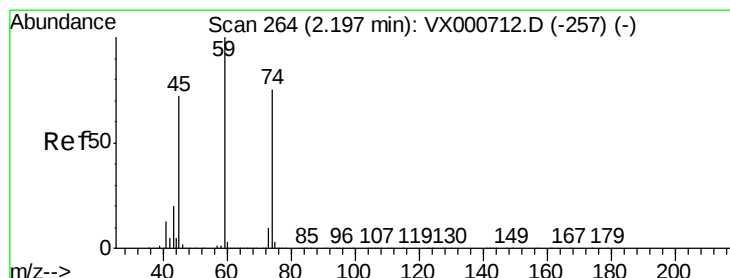
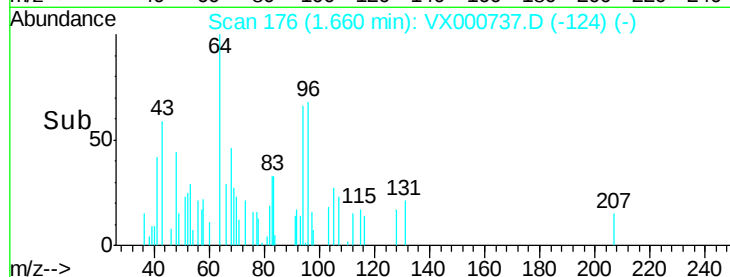
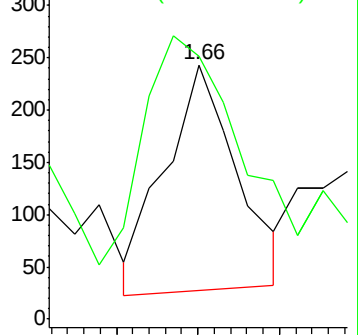
94 100

96 87.8 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: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX000737.D

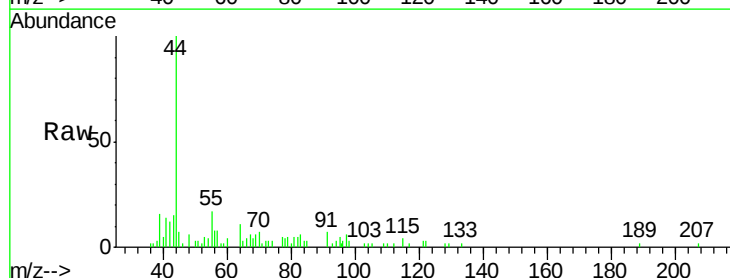
Acq: 08 Apr 2018 17:46

Tgt Ion: 74 Resp: 207

Ion Ratio Lower Upper

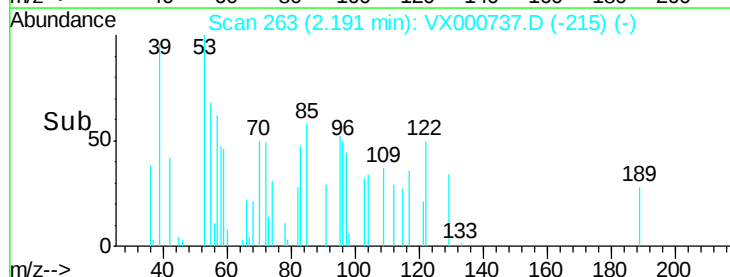
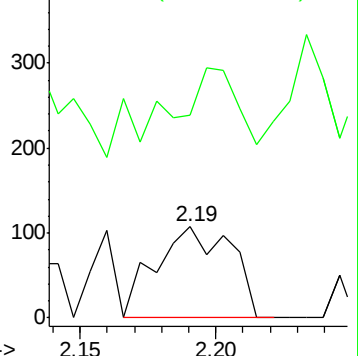
74 100

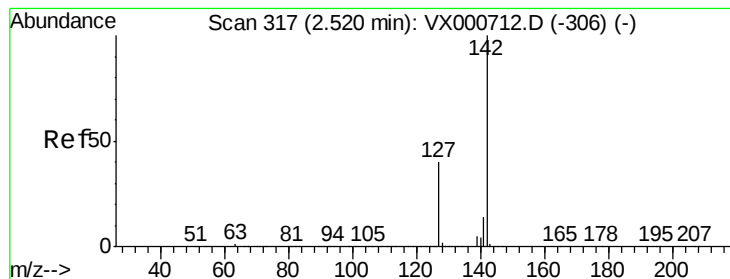
45 94.2 48.4 145.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 5.41 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

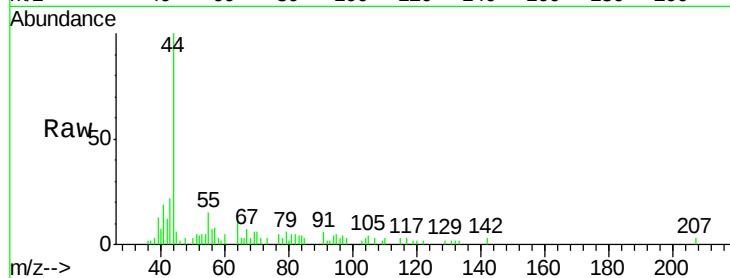
Tgt Ion: 142 Resp: 166

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

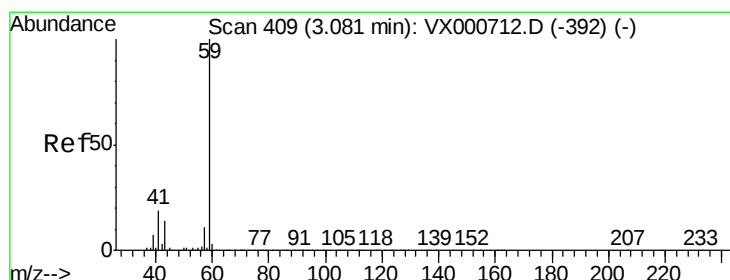
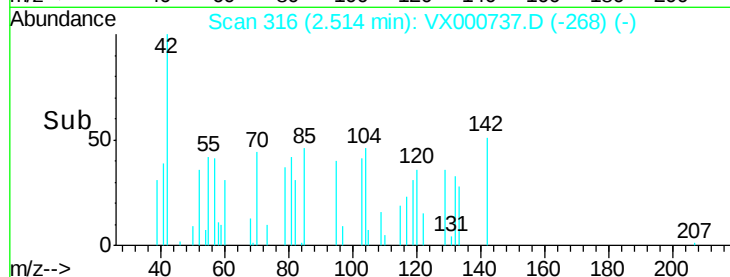
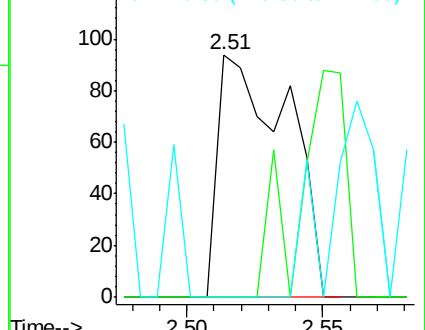
141 13.3 11.4 17.0



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: 0.26 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX000737.D

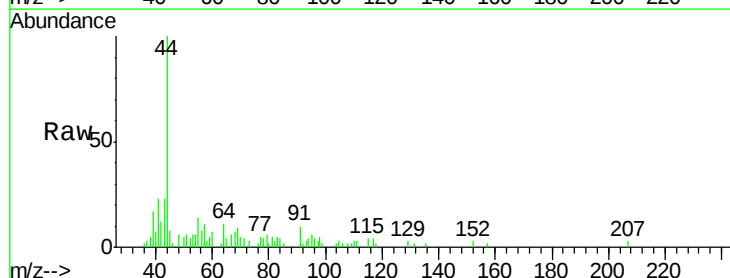
Acq: 08 Apr 2018 17:46

Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

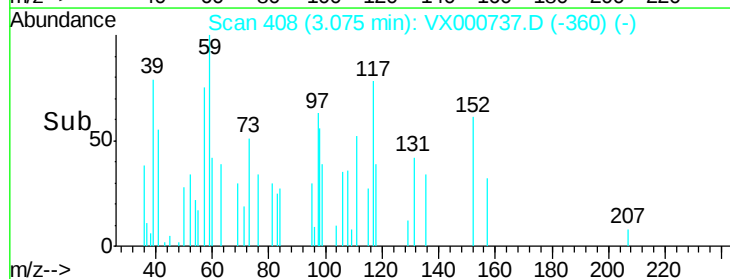
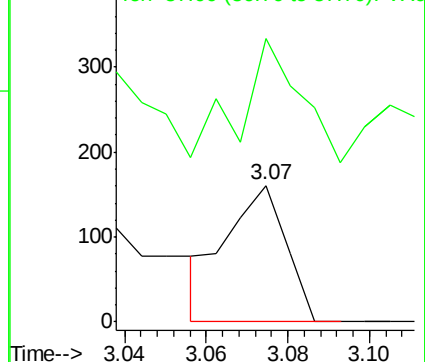
59 100

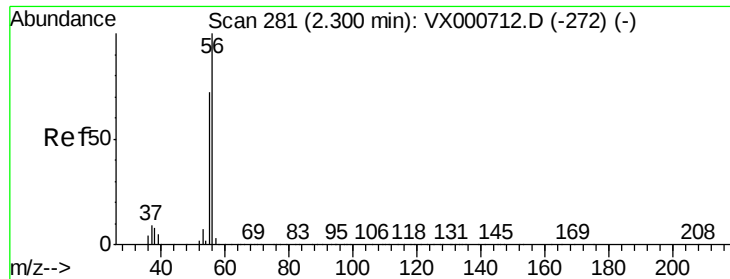
57 90.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.30 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

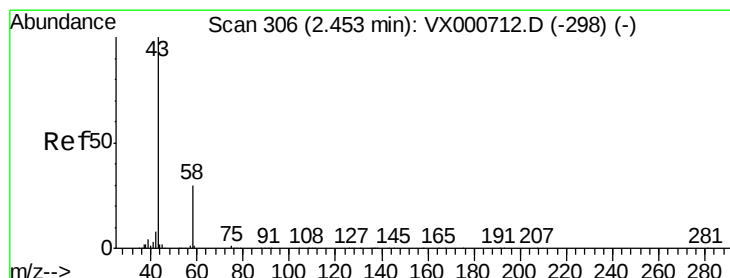
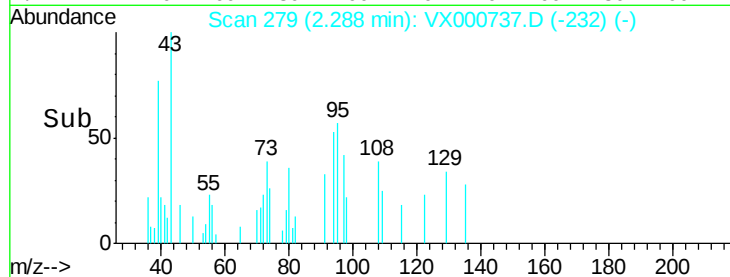
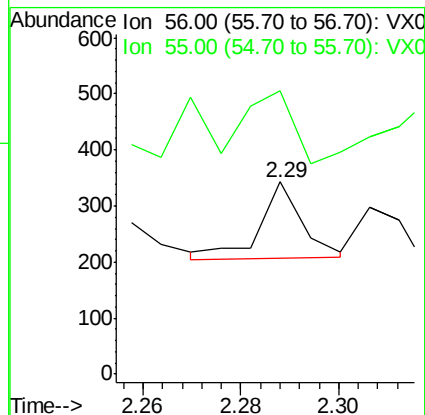
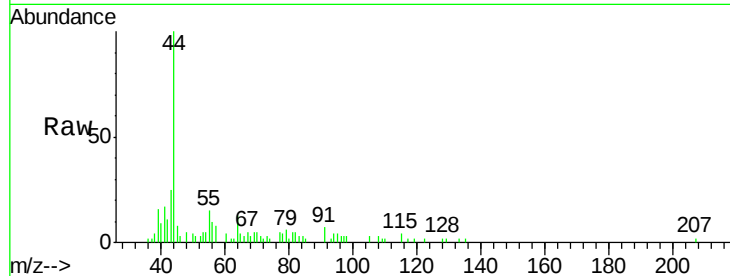
QNWP8-TRIP-BLANK-2

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 149.4 57.4 86.2#



#16

Acetone

Concen: 2.28 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000737.D

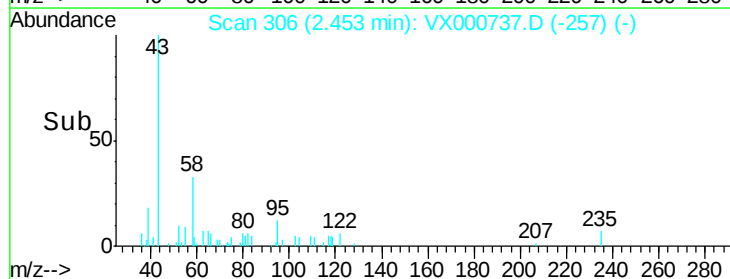
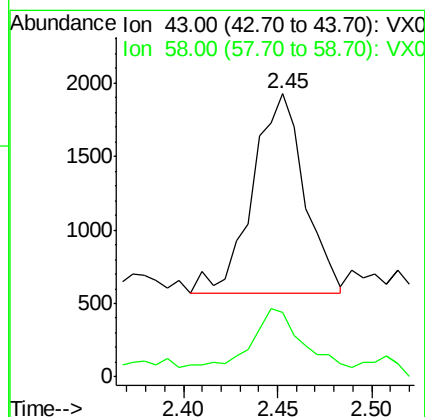
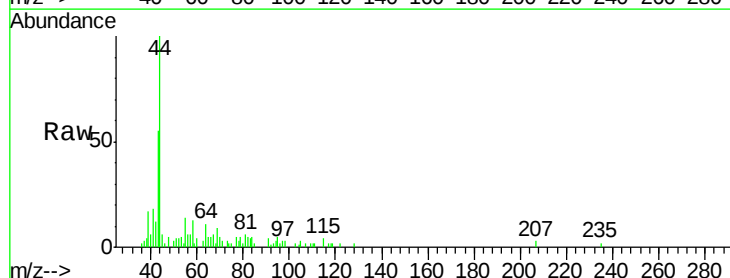
Acq: 08 Apr 2018 17:46

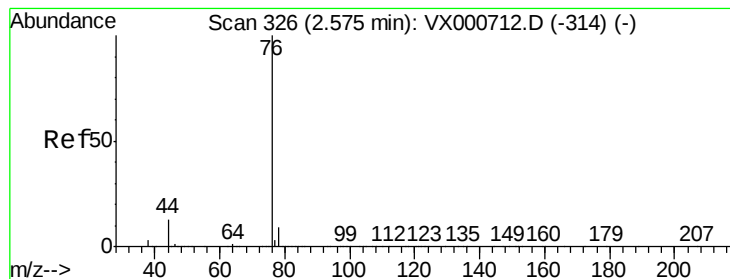
Tgt Ion: 43 Resp: 2598

Ion Ratio Lower Upper

43 100

58 26.0 24.0 36.0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

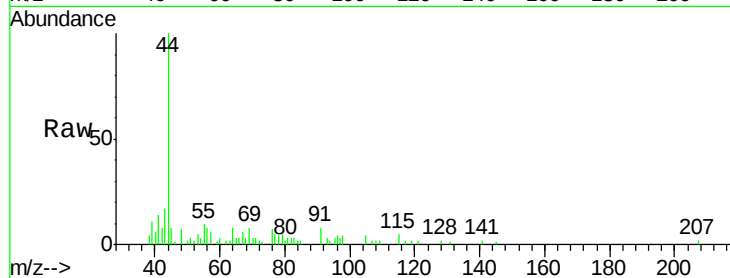
QNWP8-TRIP-BLANK-2

Tgt Ion: 76 Resp: 362

Ion Ratio Lower Upper

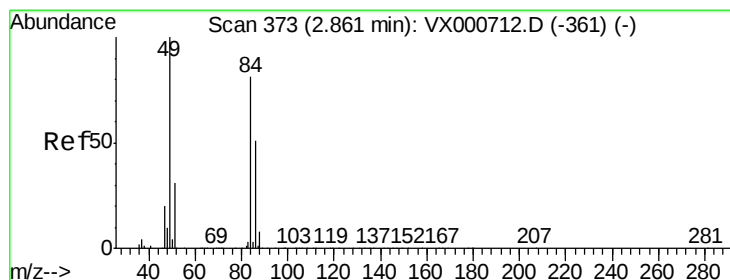
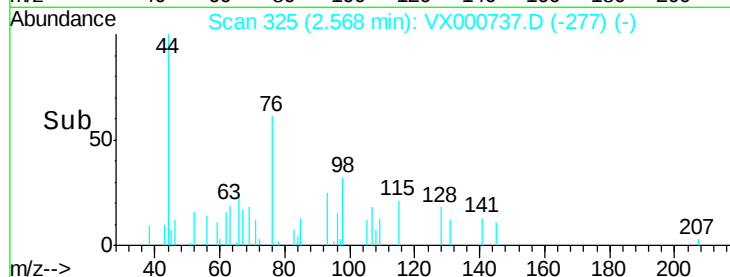
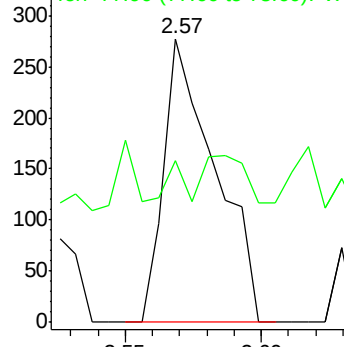
76 100

78 15.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Tgt Ion: 84 Resp: 1162

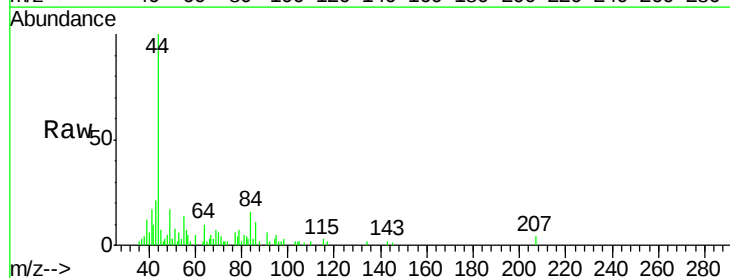
Ion Ratio Lower Upper

84 100

49 115.4 98.6 148.0

51 39.4 30.8 46.2

86 73.5 50.8 76.2

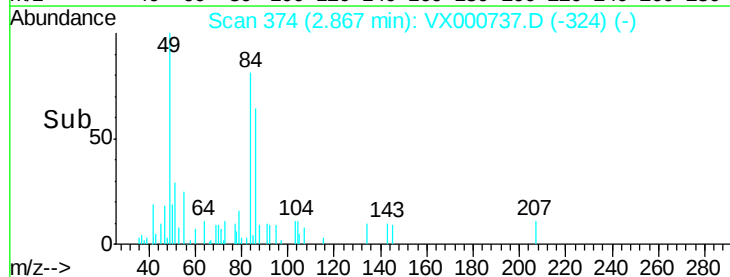
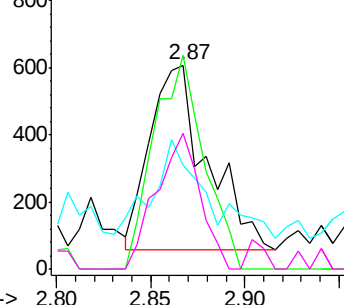


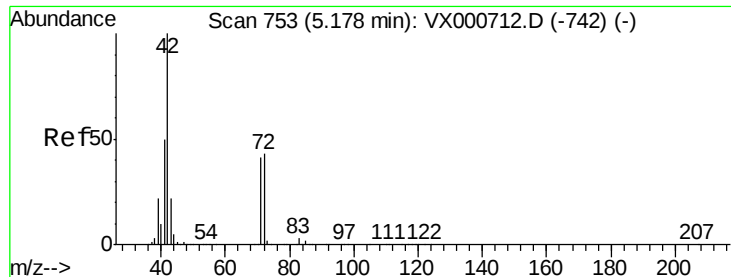
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

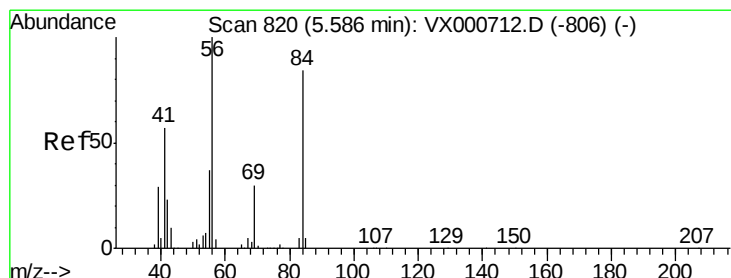
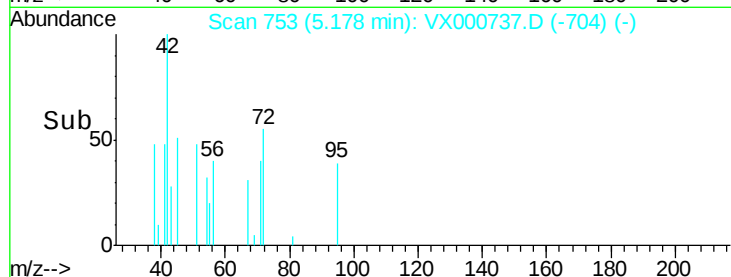
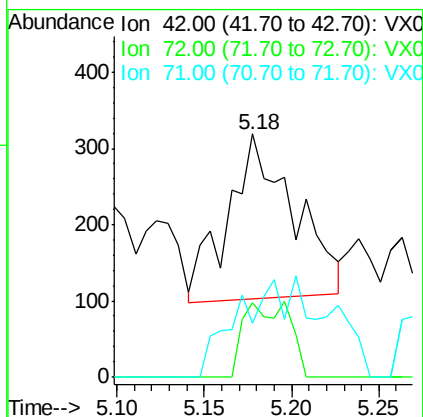
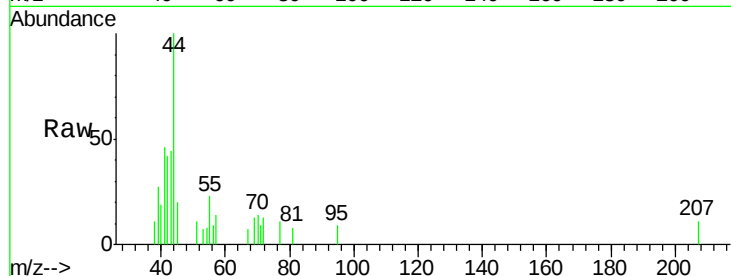




#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000737.D
Acq: 08 Apr 2018 17:46

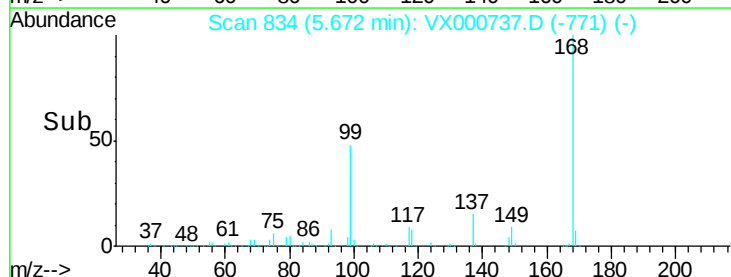
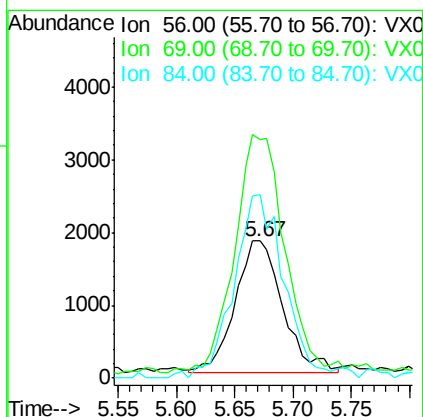
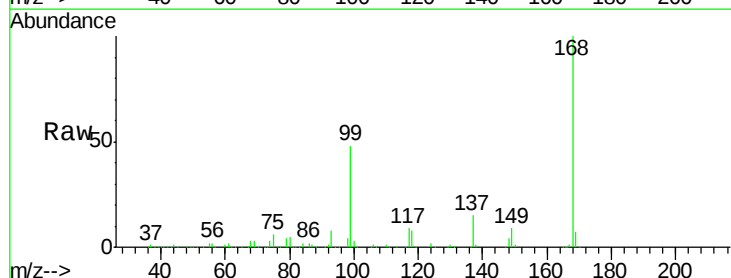
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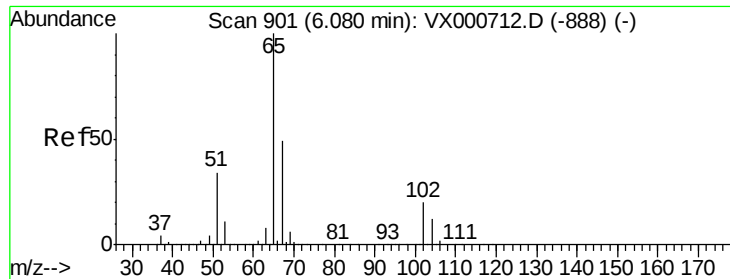
Tgt Ion: 42 Resp: 568
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 0.0 32.0 48.0#



#31
Cyclohexane
Concen: Below Cal
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000737.D
Acq: 08 Apr 2018 17:46

Tgt Ion: 56 Resp: 5198
Ion Ratio Lower Upper
56 100
69 177.7 23.8 35.6#
84 141.5 67.4 101.2#

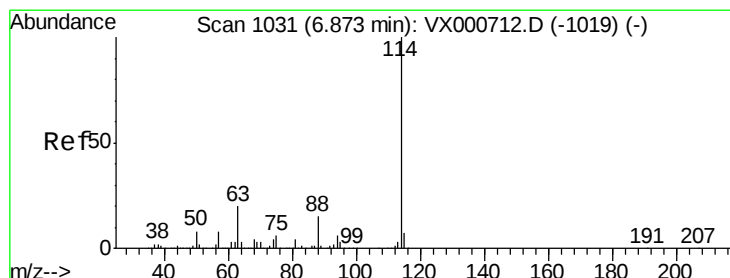
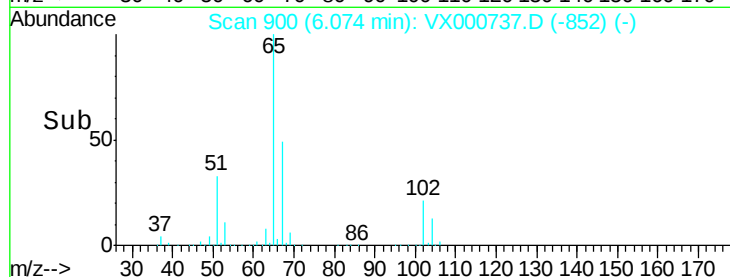
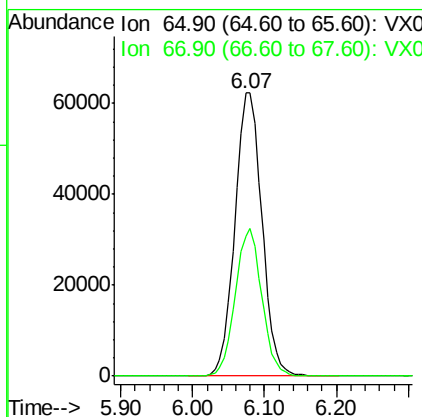
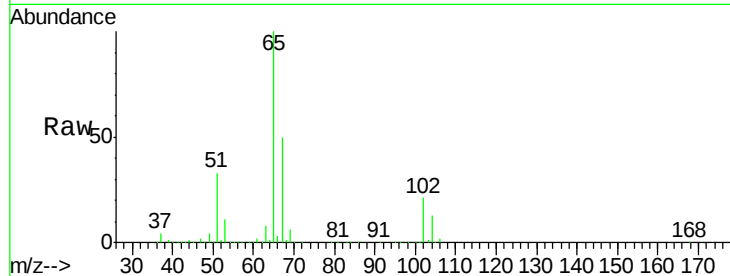




#33
 1,2-Dichloroethane-d4
 Concen: 44.92 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000737.D
 Acq: 08 Apr 2018 17:46

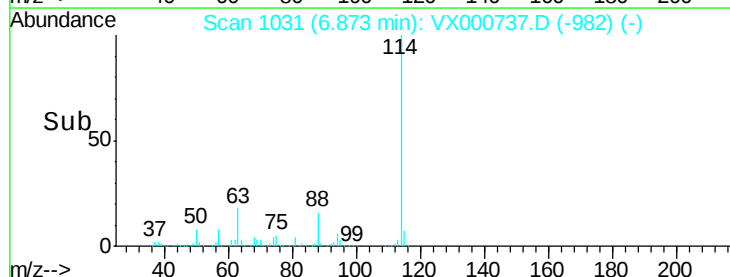
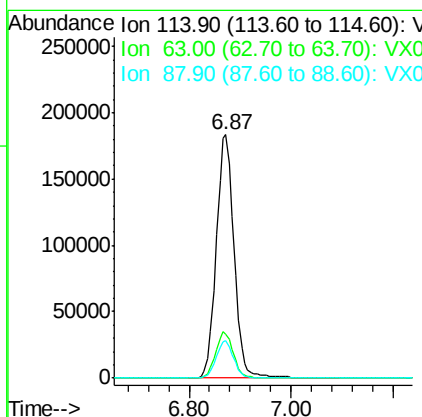
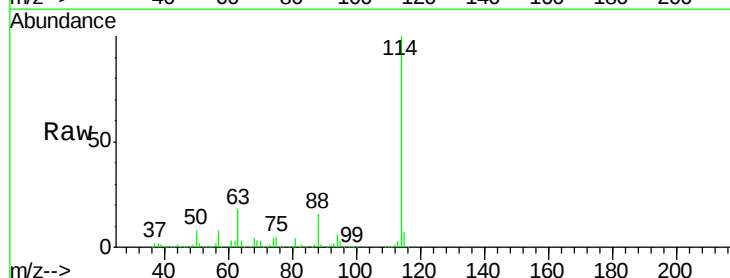
Instrument :
 MSVOA_X
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 QNWP8-TRIP-BLANK-2

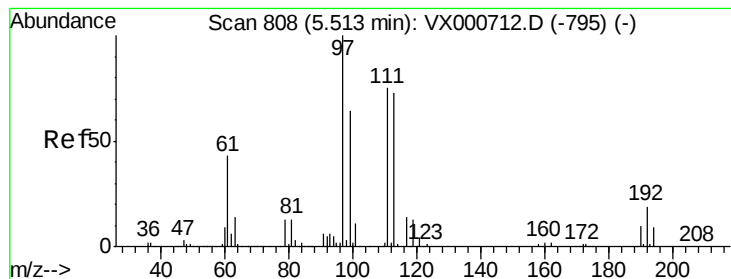
Tgt Ion: 65 Resp: 163056
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000737.D
 Acq: 08 Apr 2018 17:46

Tgt Ion: 114 Resp: 447090
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.6
 88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.55 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

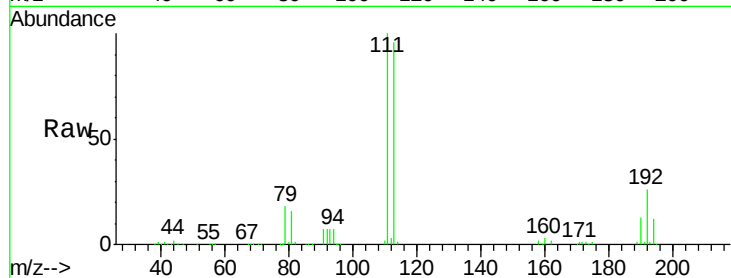
Tgt Ion:113 Resp: 137395

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

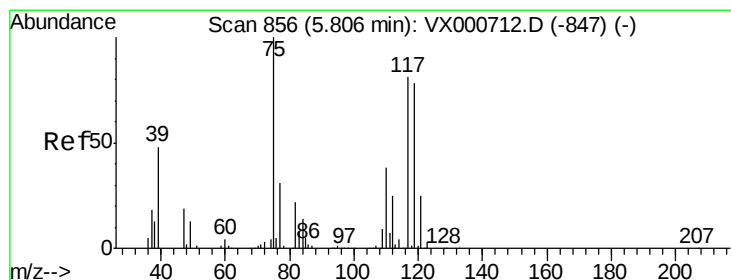
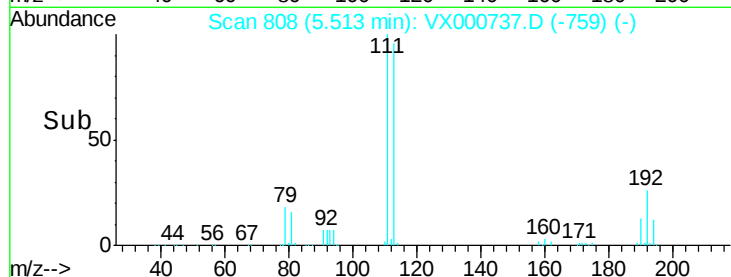
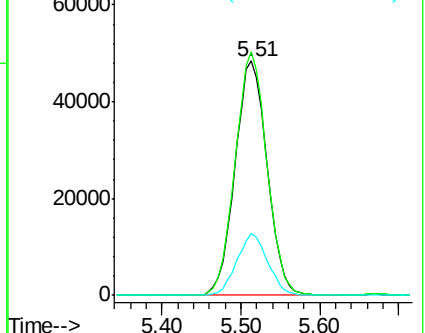
192 25.5 20.0 30.0



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: 4.86 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

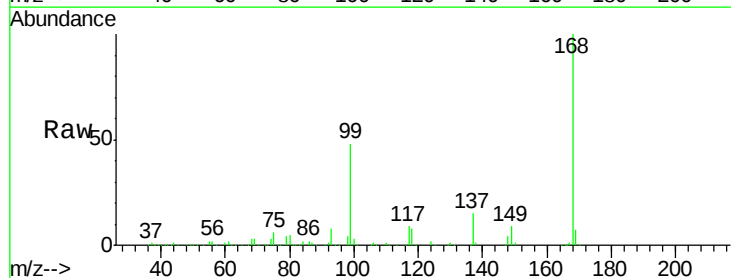
Tgt Ion: 75 Resp: 18618

Ion Ratio Lower Upper

75 100

110 10.6 18.6 56.0#

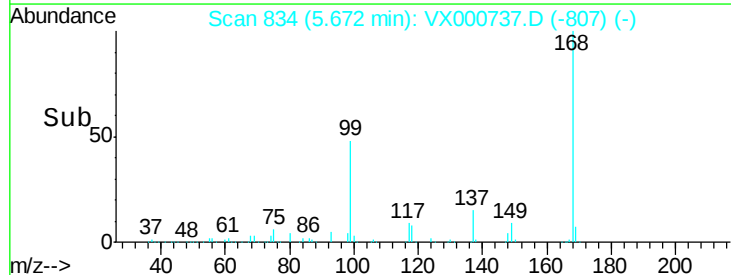
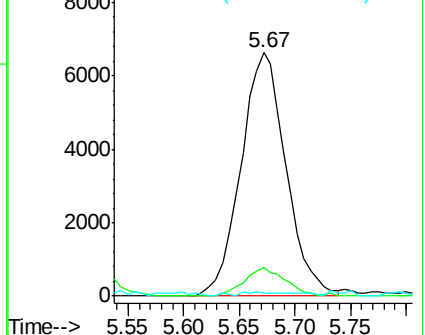
77 1.0 24.6 37.0#

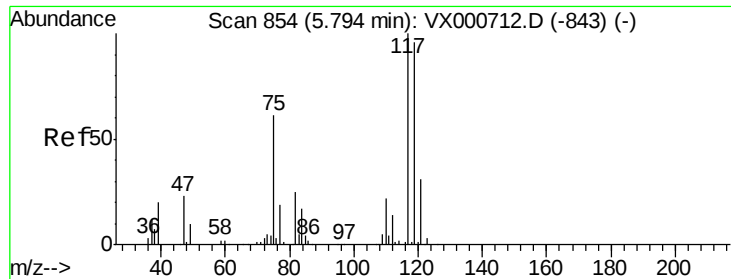


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.10 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

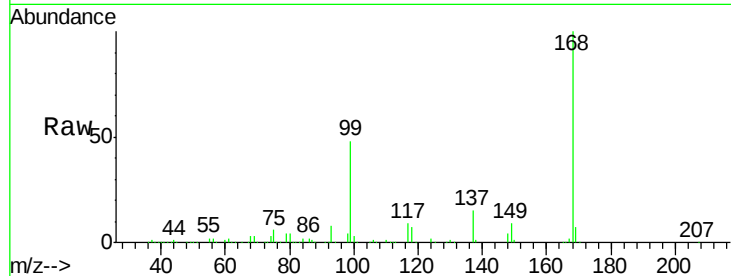
Tgt Ion:117 Resp: 27372

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

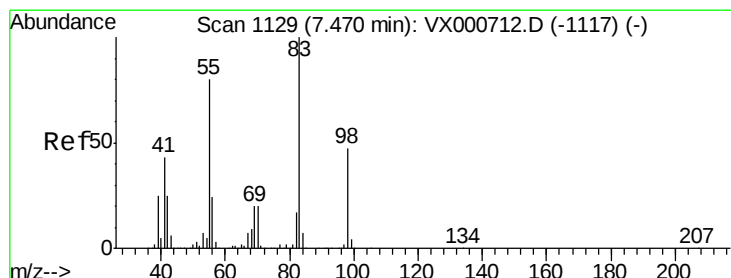
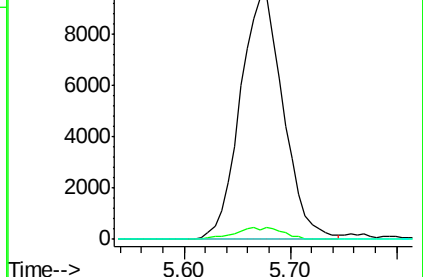
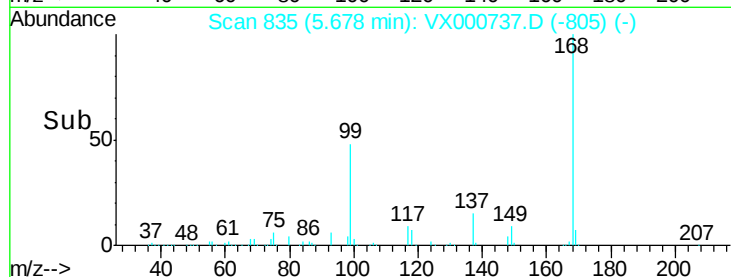
121 0.0 24.7 37.1#



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: 7.48 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

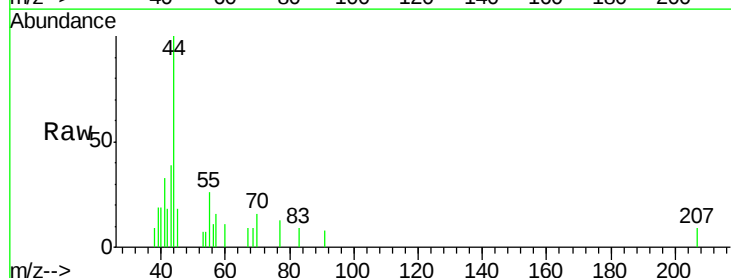
Tgt Ion: 83 Resp: 74

Ion Ratio Lower Upper

83 100

55 79.7 63.7 95.5

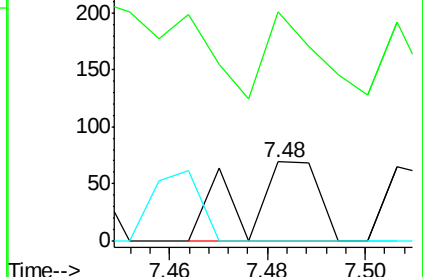
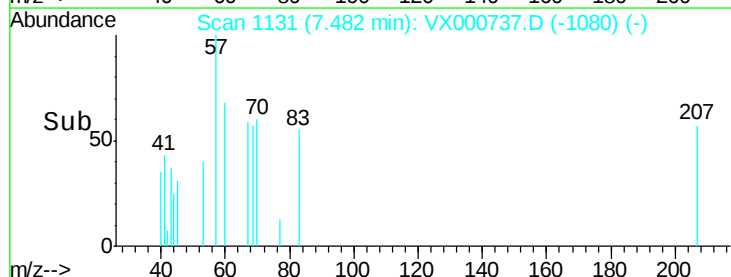
98 0.0 37.2 55.8#

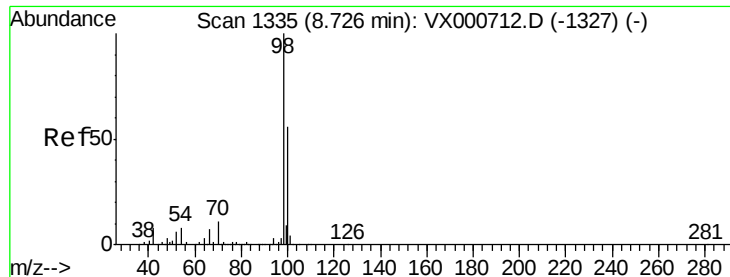


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 46.83 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

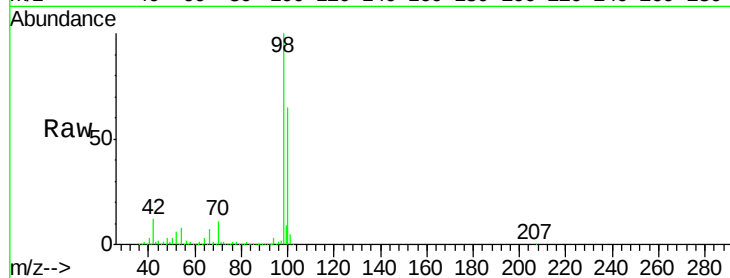
QNWP8-TRIP-BLANK-2

Tgt Ion: 98 Resp: 512843

Ion Ratio Lower Upper

98 100

100 64.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

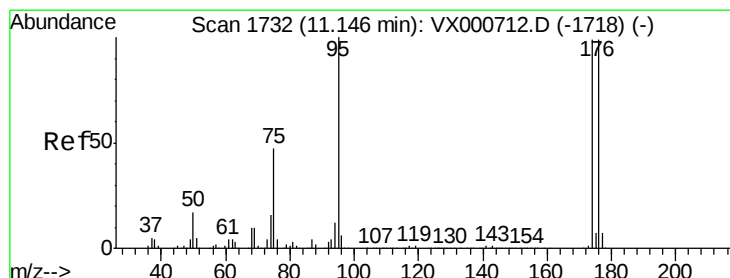
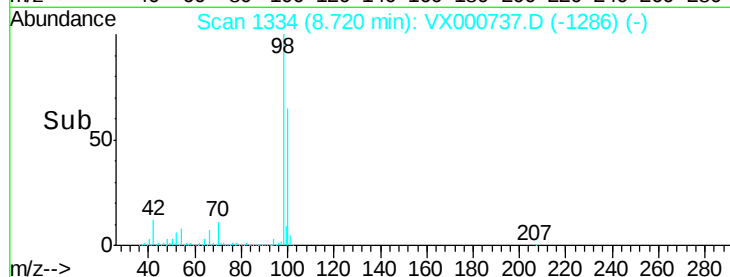
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 45.83 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

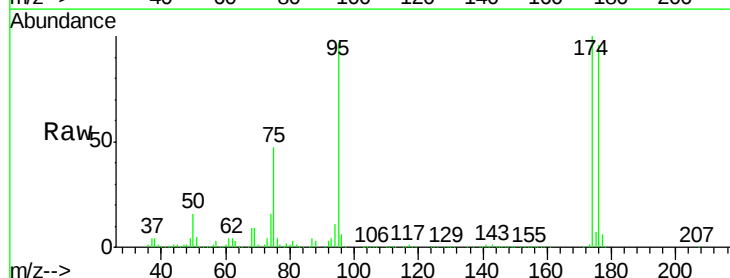
Tgt Ion: 95 Resp: 208476

Ion Ratio Lower Upper

95 100

174 98.1 0.0 191.6

176 94.9 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

11.15

200000

150000

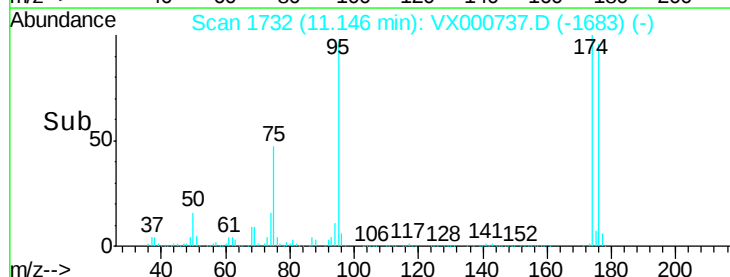
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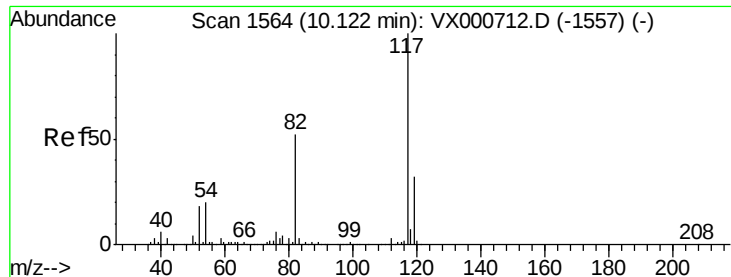
50000

0

Time-->

11.10 11.20

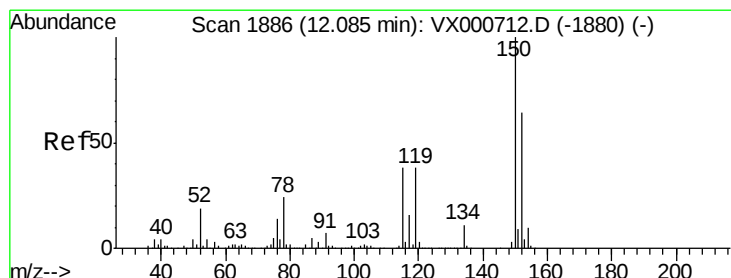
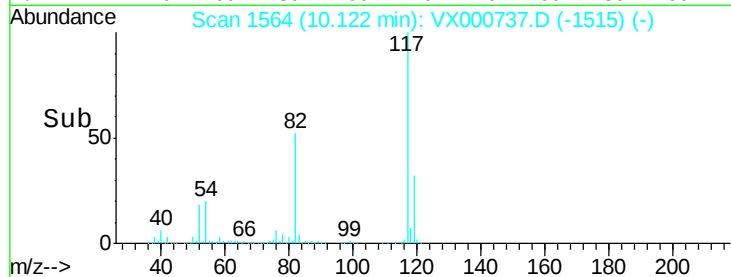
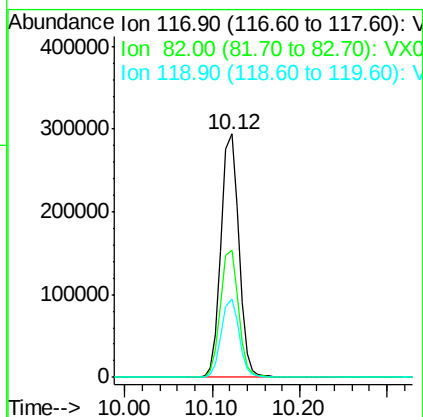
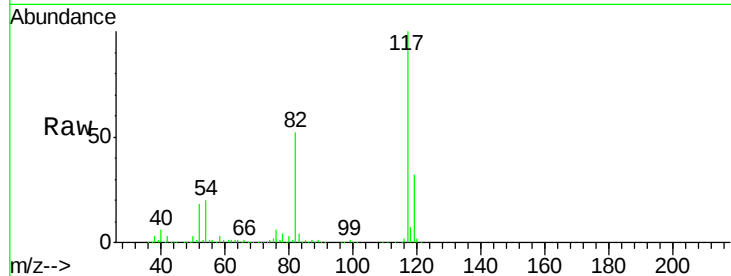




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000737.D
Acq: 08 Apr 2018 17:46

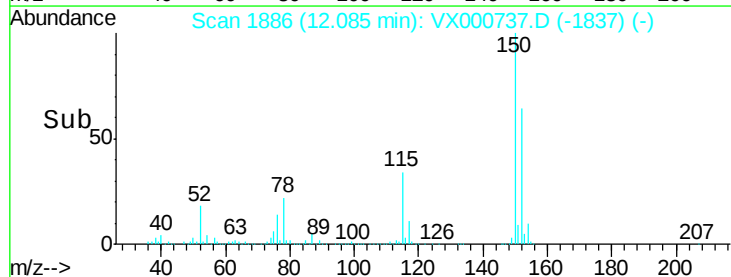
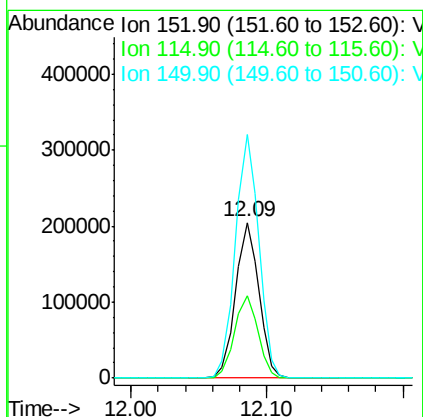
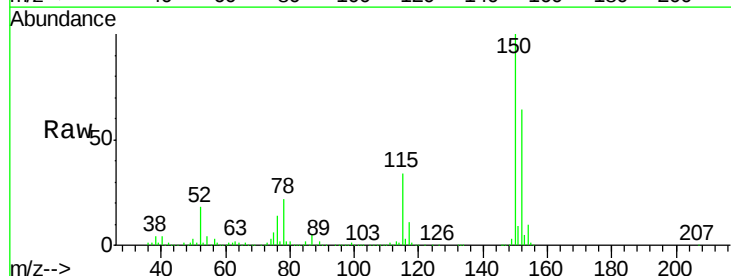
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-2

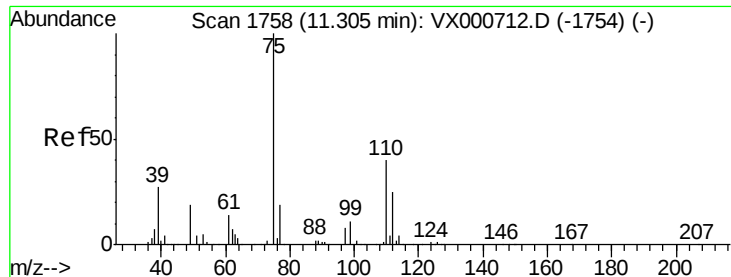
Tgt Ion:117 Resp: 414492
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000737.D
Acq: 08 Apr 2018 17:46

Tgt Ion:152 Resp: 243666
Ion Ratio Lower Upper
152 100
115 53.9 37.7 113.1
150 158.1 0.0 345.0

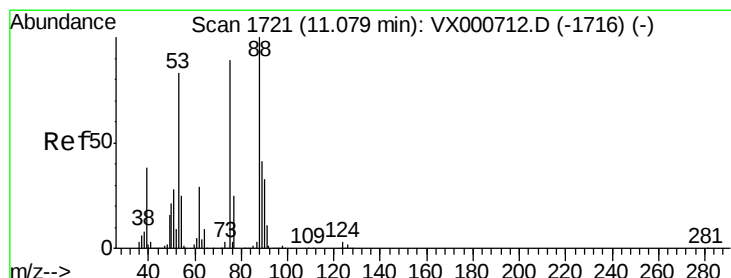
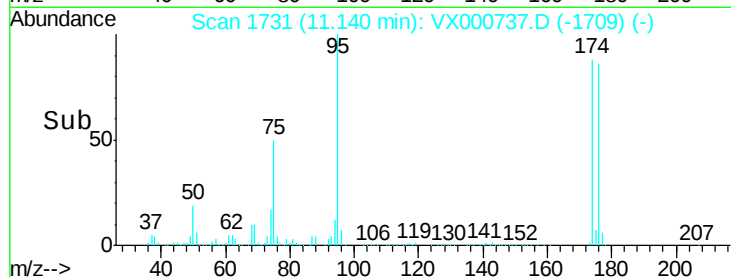
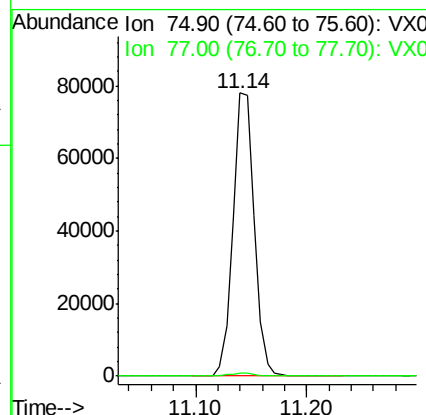
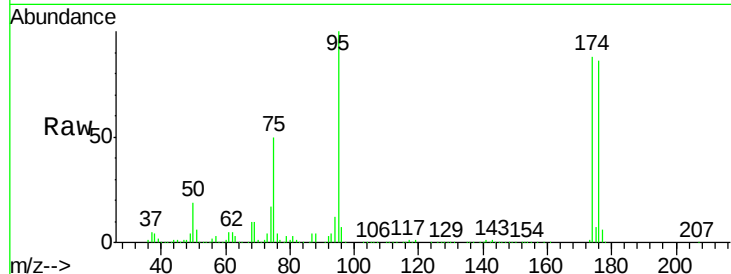




#76
 1,2,3-Trichloropropane
 Concen: 24.81 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000737.D
 Acq: 08 Apr 2018 17:46

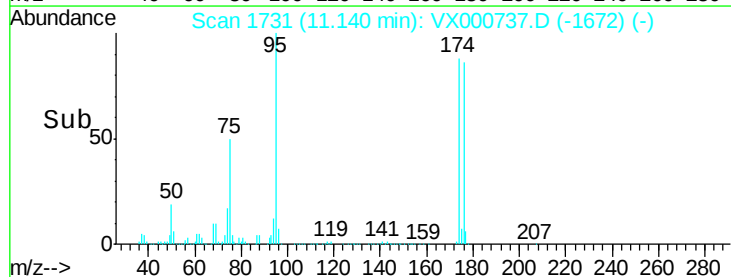
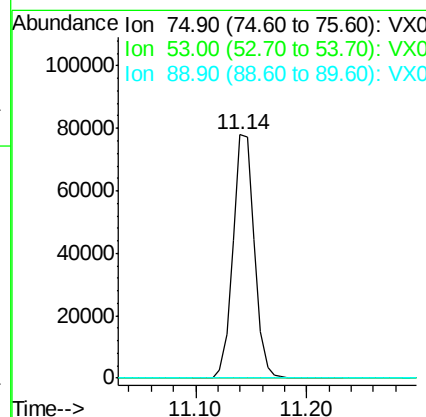
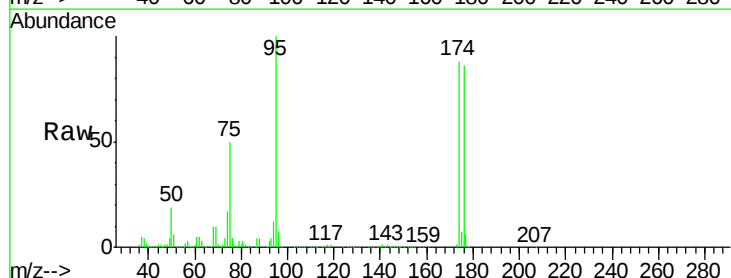
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-2

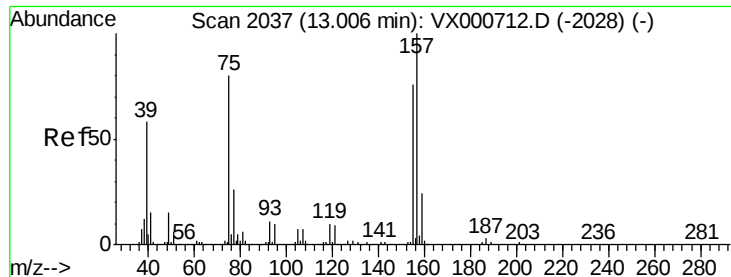
Tgt Ion: 75 Resp: 102859
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.59 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000737.D
 Acq: 08 Apr 2018 17:46

Tgt Ion: 75 Resp: 102859
 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: 0.43 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.18 min

Lab File: VX000737.D

Acq: 08 Apr 2018 17:46

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

Tgt Ion: 75 Resp: 495

Ion Ratio Lower Upper

75 100

155 0.0 48.4 145.0#

157 0.0 62.8 188.5#

