

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051718\
 Data File : VX001797.D
 Acq On : 17 May 2018 18:13
 Operator : JC/MD
 Sample : J2853-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW307-180507

Quant Time: May 18 03:59:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	275071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	367071	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	126574	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	195317	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	5.51	113	167541	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	8.72	98	566012	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.15	95	155936	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	

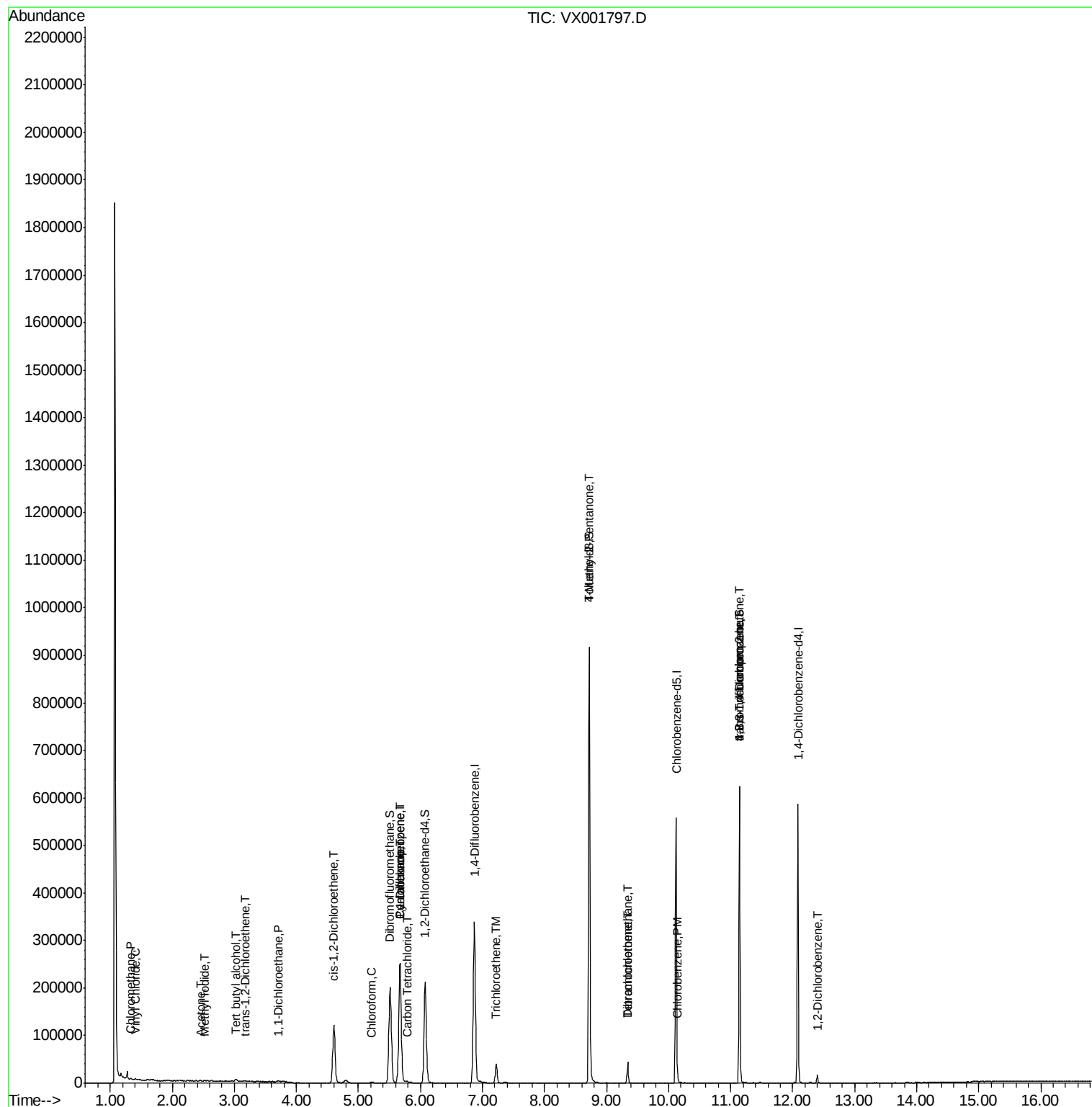
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1436	0.48	ug/l	95
4) Vinyl Chloride	1.40	62	712	0.22	ug/l #	80
5) Bromomethane	1.65	94	1454	Below Cal		90
10) Methyl Iodide	2.53	142	1419	0.55	ug/l	99
11) Tert butyl alcohol	3.03	59	2881	4.40	ug/l #	72
16) Acetone	2.45	43	1371	0.95	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	837	0.28	ug/l #	83
24) 1,1-Dichloroethane	3.70	63	2111	0.40	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	80351	23.58	ug/l	91
30) Chloroform	5.21	83	1564	0.28	ug/l #	77
31) Cyclohexane	5.67	56	4305	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15861	3.75	ug/l #	49
38) Carbon Tetrachloride	5.79	117	1394	0.31	ug/l #	84
44) Trichloroethene	7.22	130	16327	4.23	ug/l	98
51) 4-Methyl-2-Pentanone	8.72	43	2416	0.55	ug/l #	1
60) Dibromochloromethane	9.34	129	7813	2.50	ug/l #	11
64) Tetrachloroethene	9.34	164	9822	2.70	ug/l	98
65) Chlorobenzene	10.15	112	1949	0.25	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	71613	29.75	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	71613	86.11	ug/l #	10
91) 1,2-Dichlorobenzene	12.40	146	5457	1.21	ug/l	100

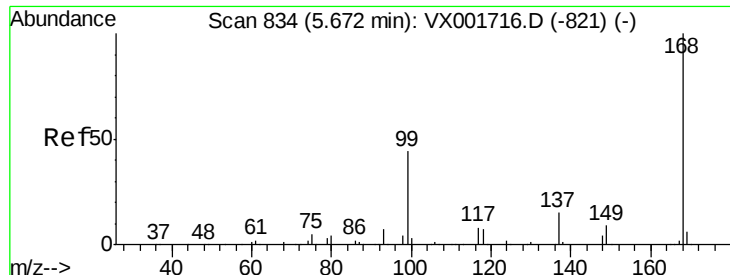
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

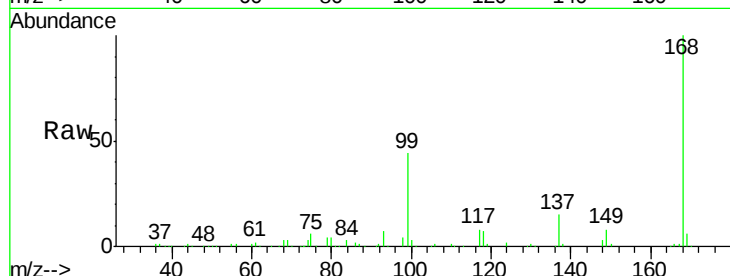
SS037MW307-180507

Tgt Ion:168 Resp: 275071

Ion Ratio Lower Upper

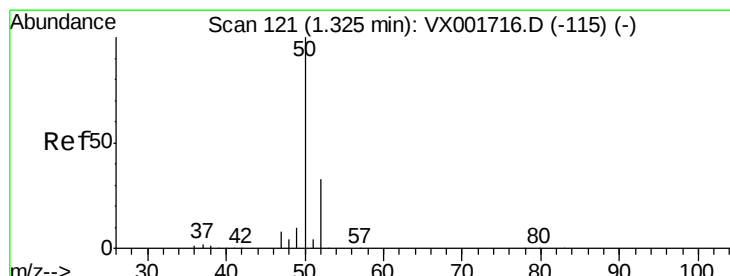
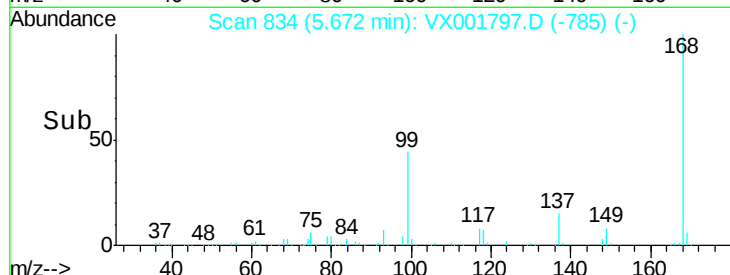
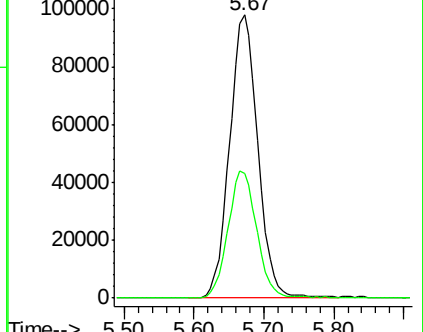
168 100

99 44.2 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.48 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001797.D

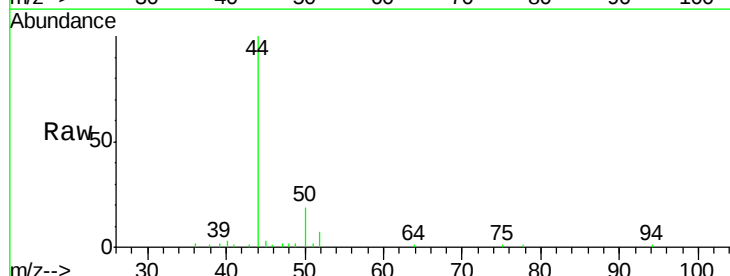
Acq: 17 May 2018 18:13

Tgt Ion: 50 Resp: 1436

Ion Ratio Lower Upper

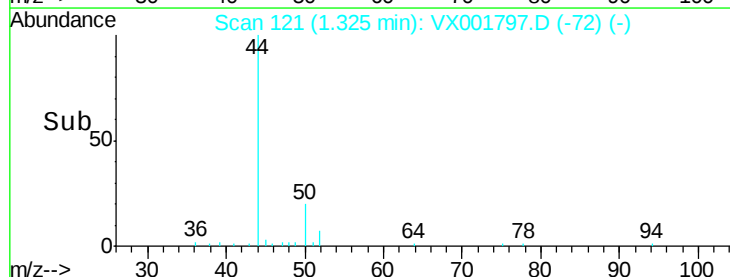
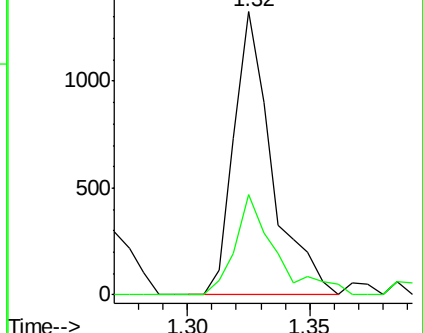
50 100

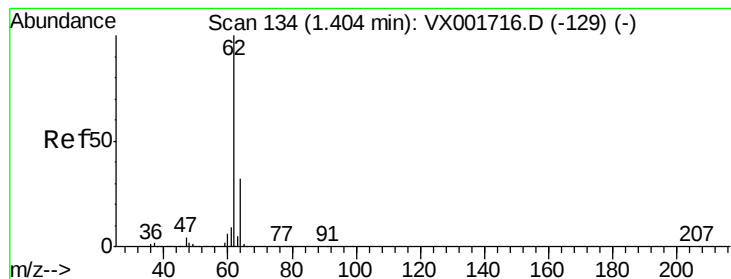
52 35.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.22 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

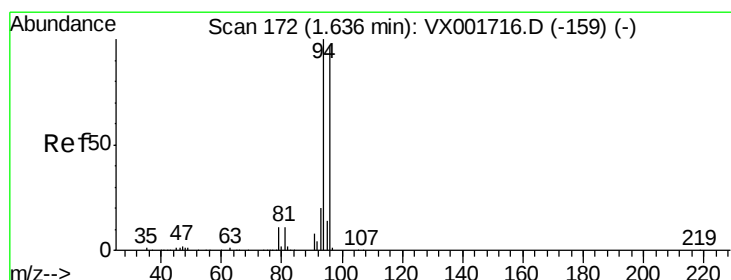
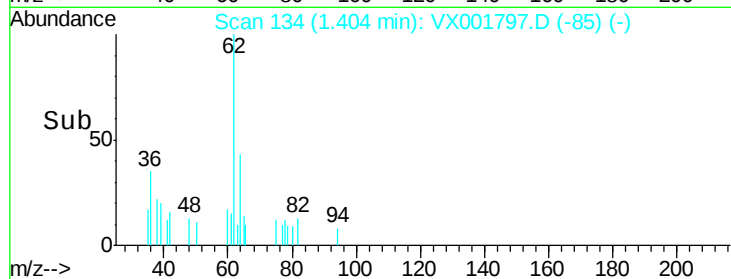
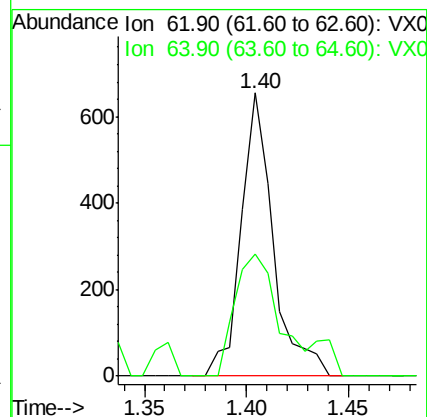
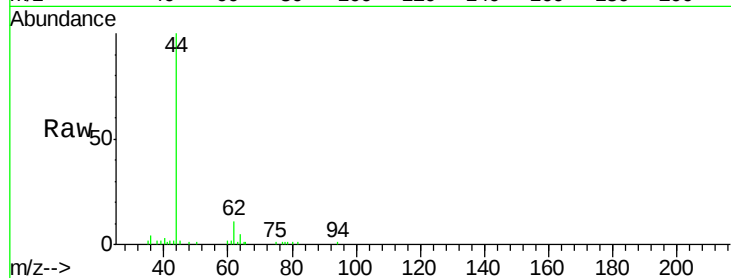
SS037MW307-180507

Tgt Ion: 62 Resp: 712

Ion Ratio Lower Upper

62 100

64 43.3 25.6 38.4#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001797.D

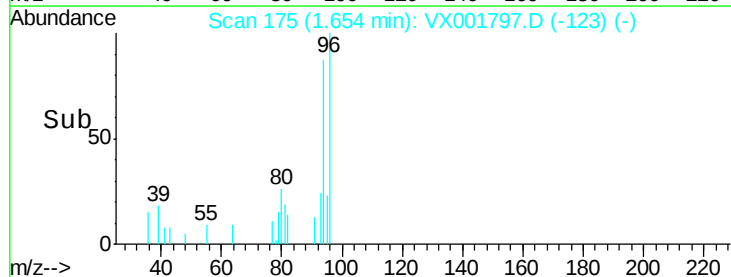
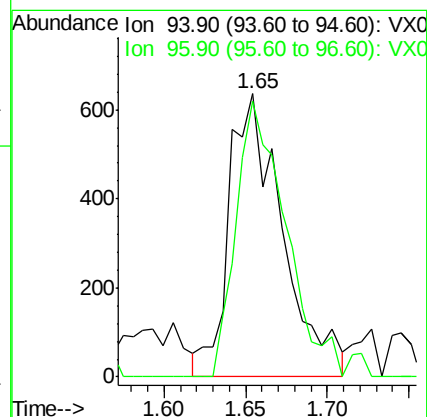
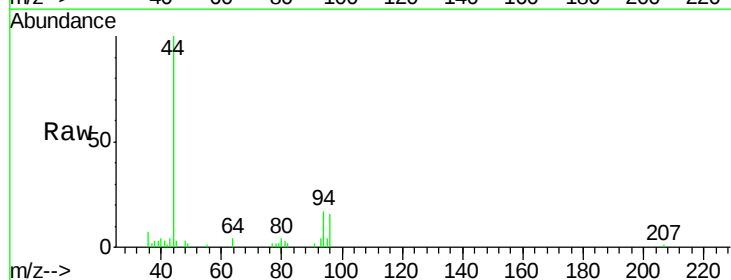
Acq: 17 May 2018 18:13

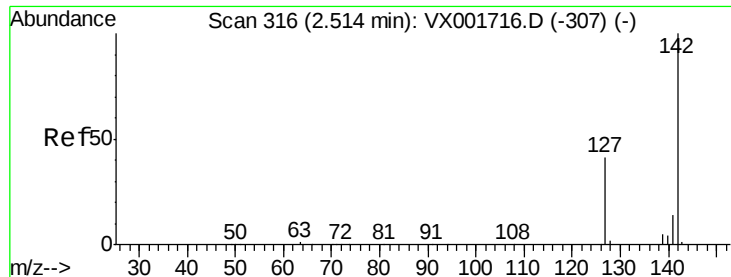
Tgt Ion: 94 Resp: 1454

Ion Ratio Lower Upper

94 100

96 106.2 77.4 116.0

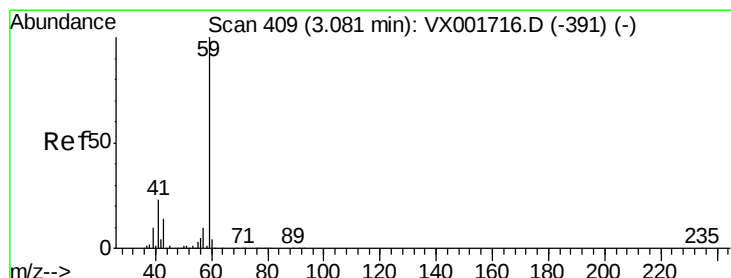
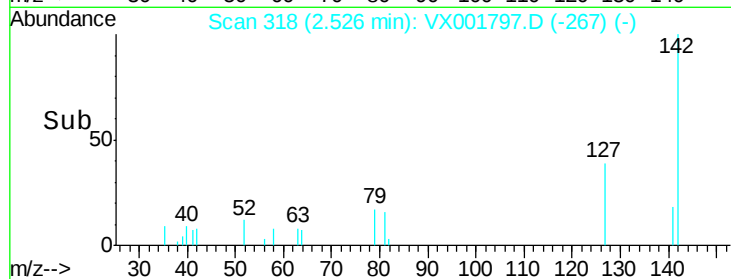
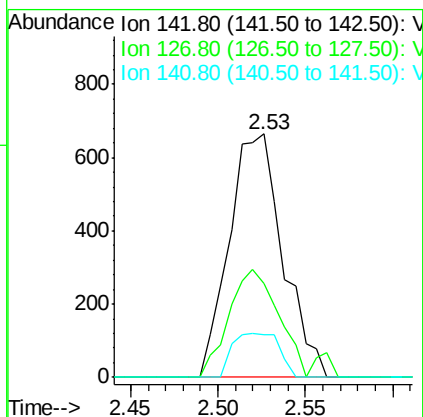
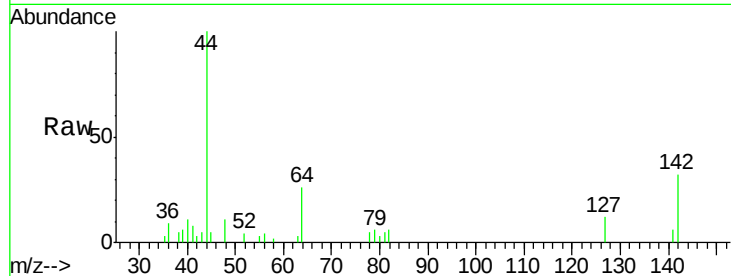




#10
Methyl Iodide
Concen: 0.55 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

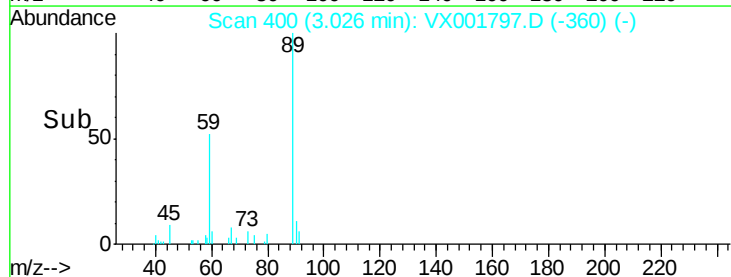
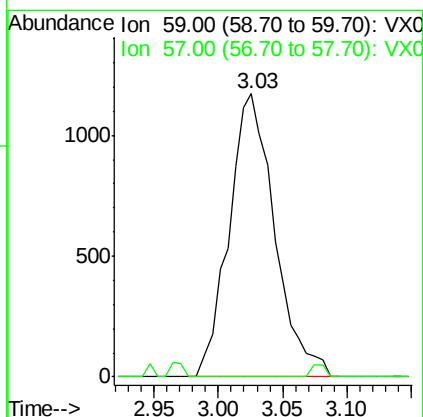
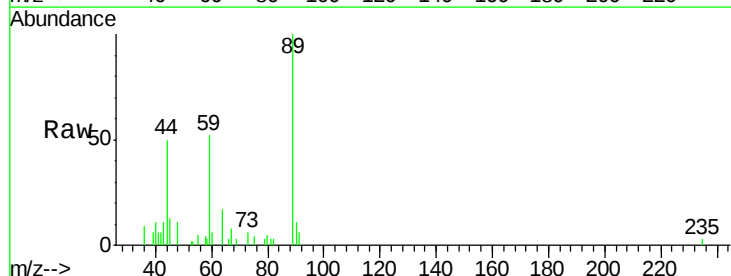
Instrument :
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SS037MW307-180507

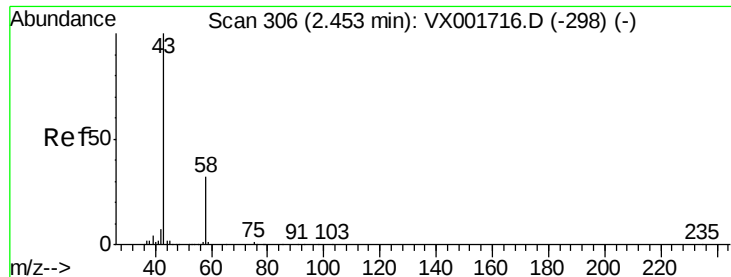
Tgt Ion:142 Resp: 1419
Ion Ratio Lower Upper
142 100
127 41.0 32.5 48.7
141 15.8 11.4 17.0



#11
Tert butyl alcohol
Concen: 4.40 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

Tgt Ion: 59 Resp: 2881
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

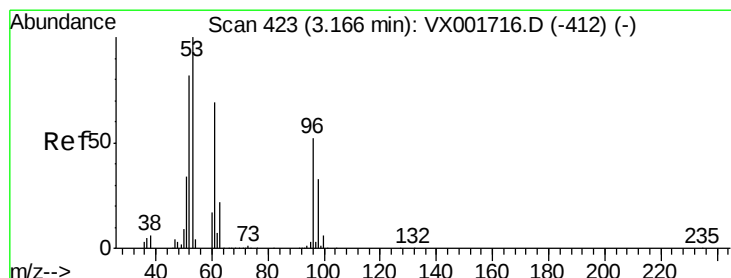
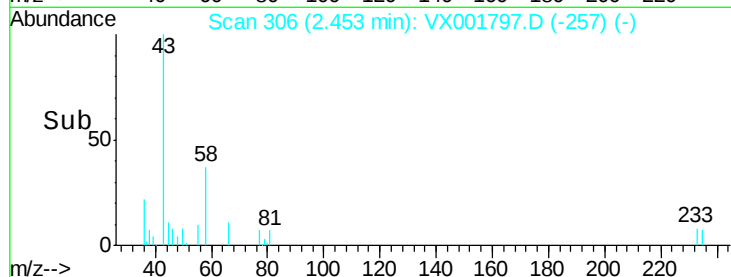
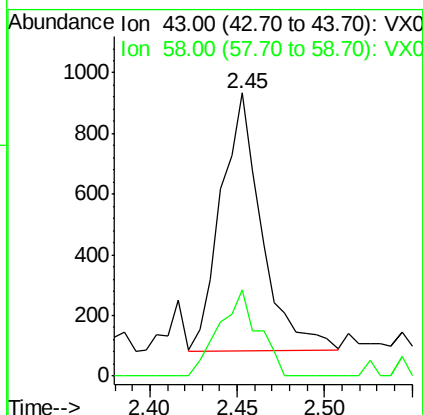
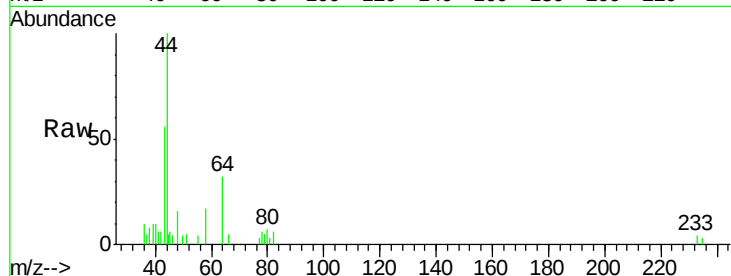




#16
Acetone
Concen: 0.95 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

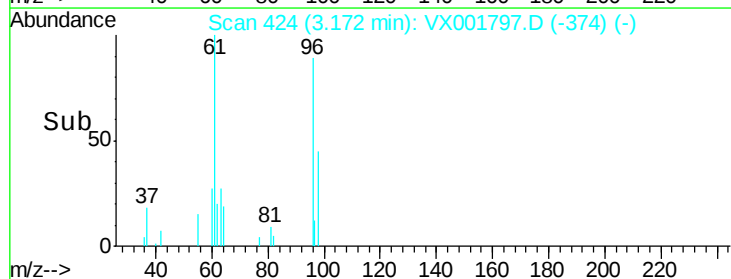
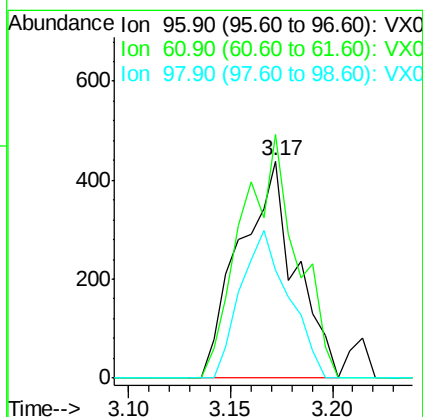
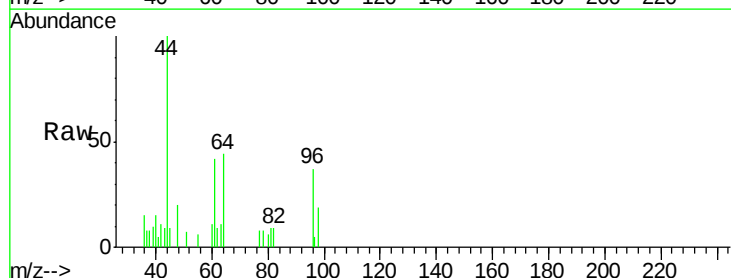
Instrument :
MSVOA_X
ClientSampleId :
SS037MW307-180507

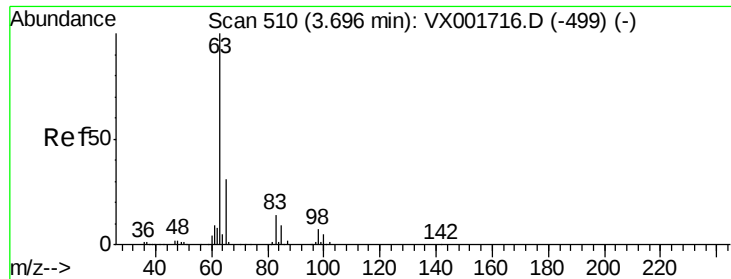
Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
58 33.8 25.3 37.9



#21
trans-1,2-Dichloroethene
Concen: 0.28 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

Tgt Ion: 96 Resp: 837
Ion Ratio Lower Upper
96 100
61 112.1 105.8 158.8
98 49.9 50.2 75.4#





#24

1,1-Dichloroethane

Concen: 0.40 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

SS037MW307-180507

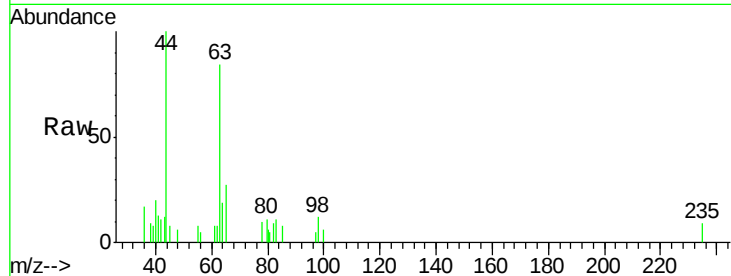
Tgt Ion: 63 Resp: 2111

Ion Ratio Lower Upper

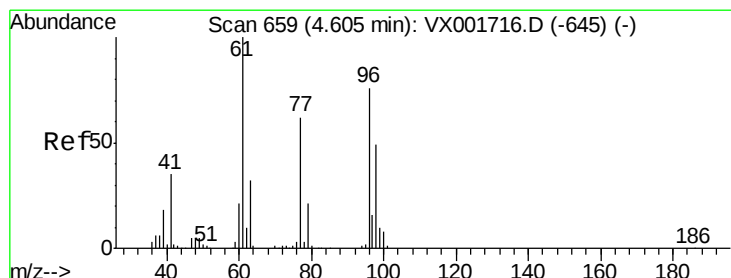
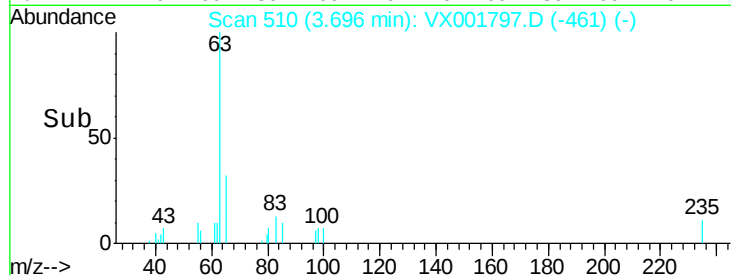
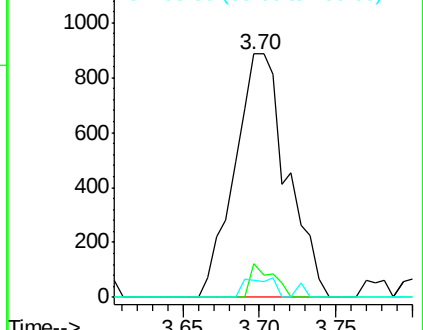
63 100

98 13.8 3.7 11.1#

100 6.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 23.58 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

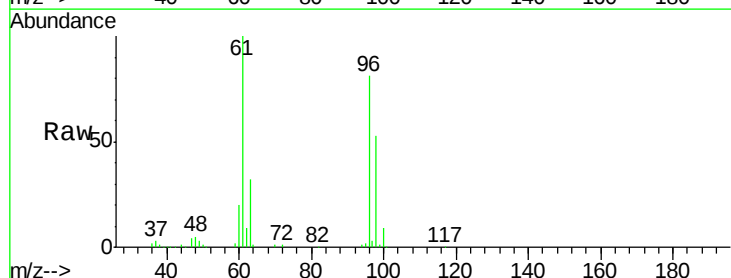
Tgt Ion: 96 Resp: 80351

Ion Ratio Lower Upper

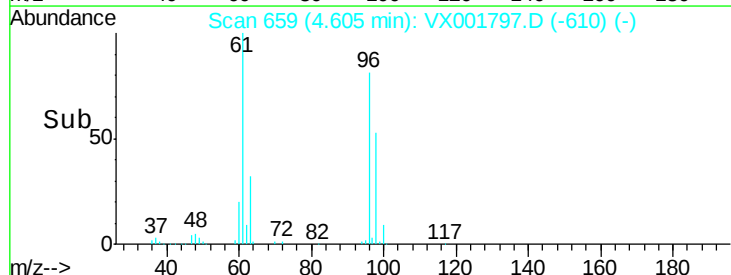
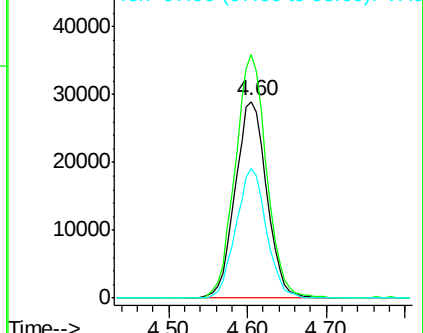
96 100

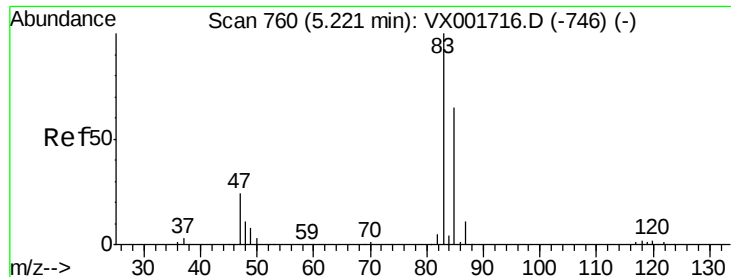
61 123.8 0.0 280.4

98 64.2 0.0 128.4



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

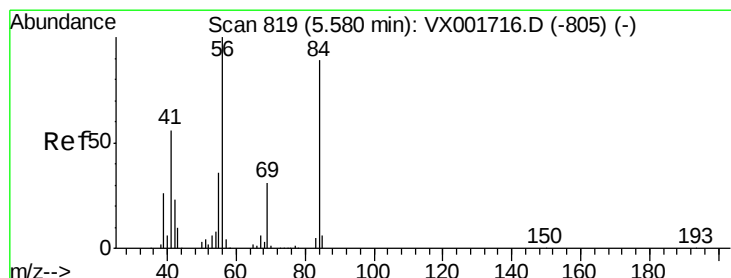
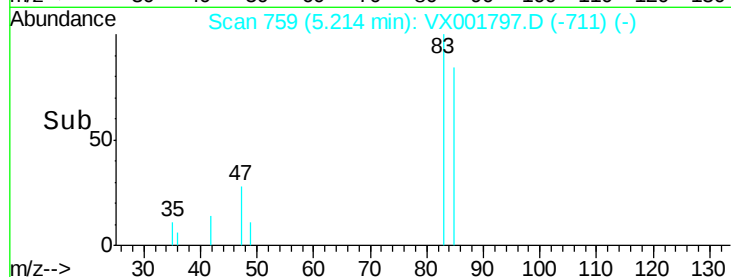
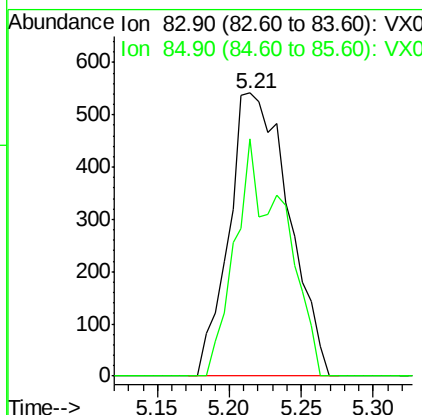
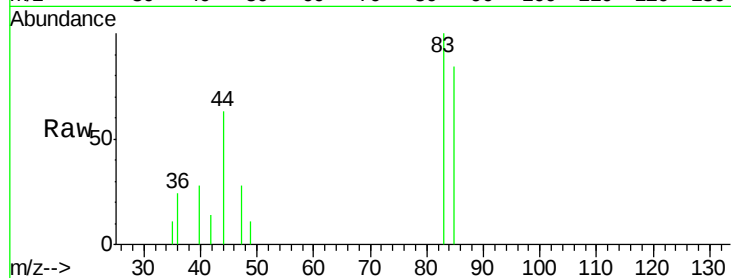




#30
Chloroform
Concen: 0.28 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

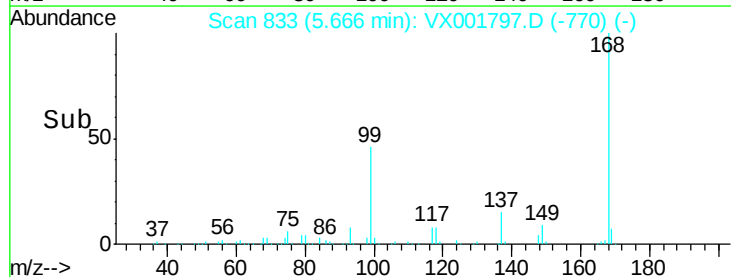
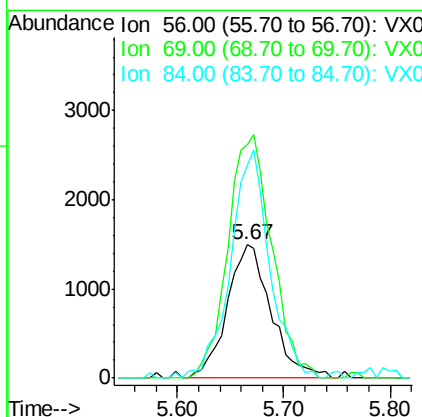
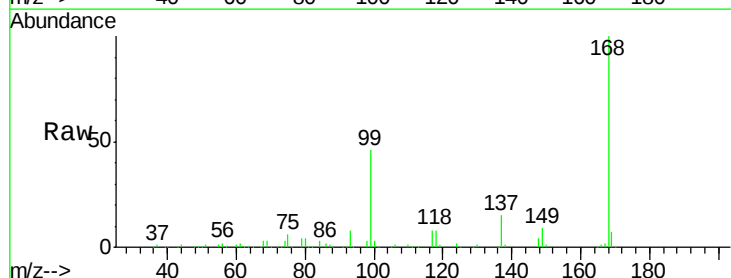
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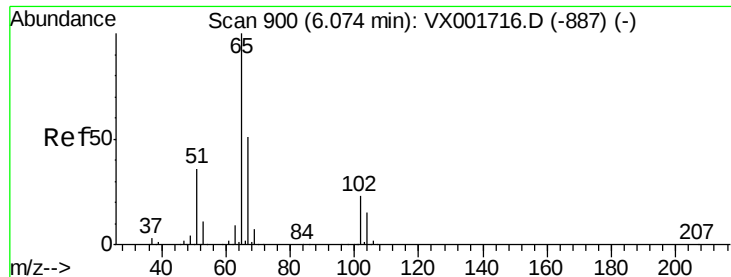
Tgt Ion: 83 Resp: 1564
Ion Ratio Lower Upper
83 100
85 83.9 52.3 78.5#



#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

Tgt Ion: 56 Resp: 4305
Ion Ratio Lower Upper
56 100
69 175.5 25.0 37.6#
84 155.2 71.0 106.4#

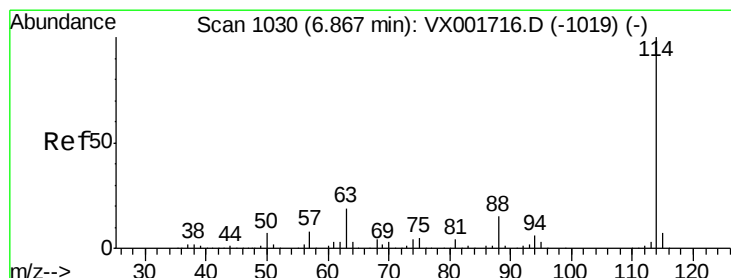
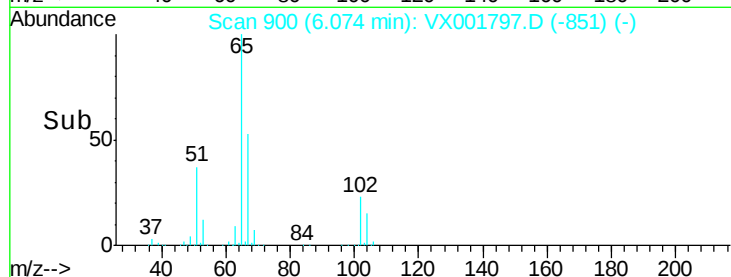
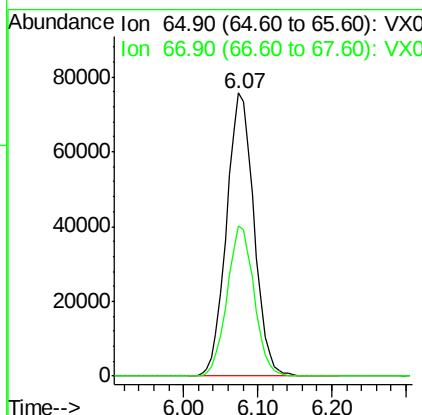
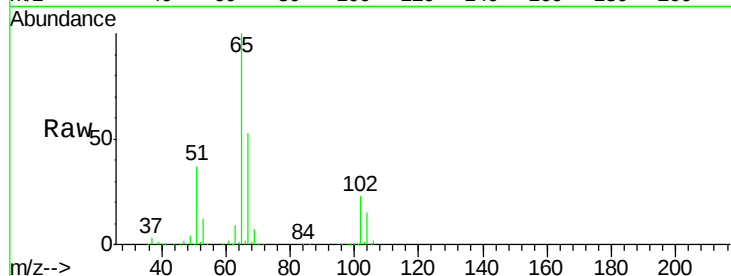




#33
 1,2-Dichloroethane-d4
 Concen: 52.97 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001797.D
 Acq: 17 May 2018 18:13

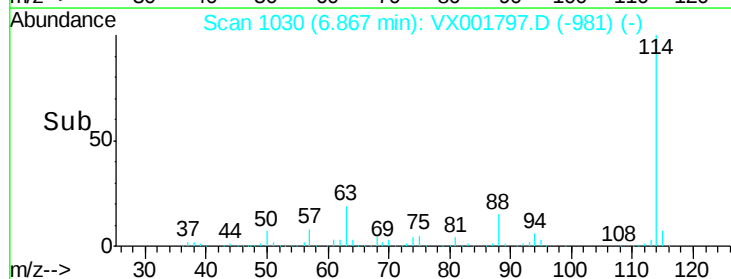
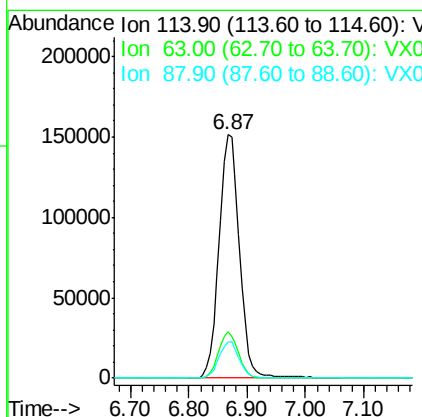
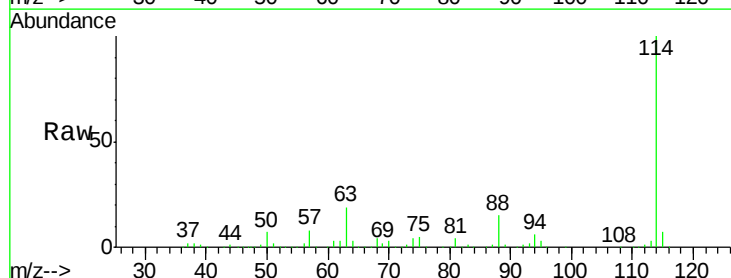
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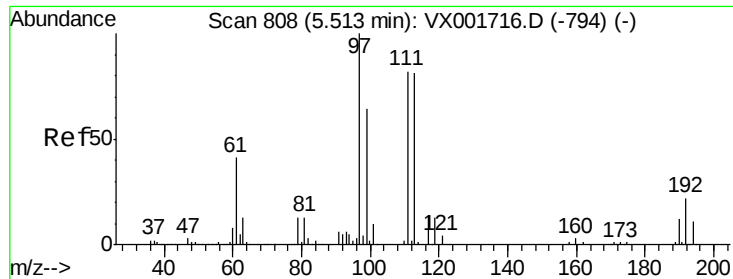
Tgt Ion: 65 Resp: 195317
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001797.D
 Acq: 17 May 2018 18:13

Tgt Ion: 114 Resp: 367071
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 15.0 0.0 29.8

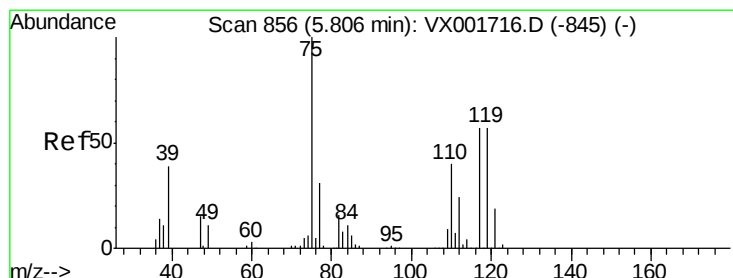
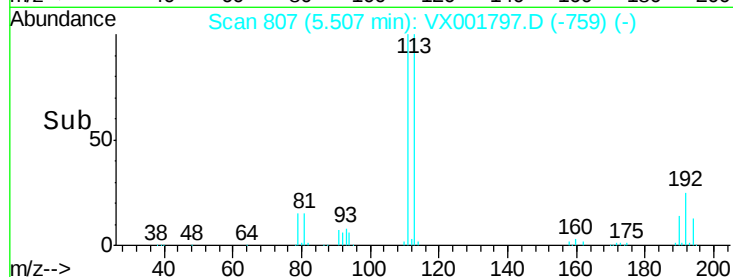
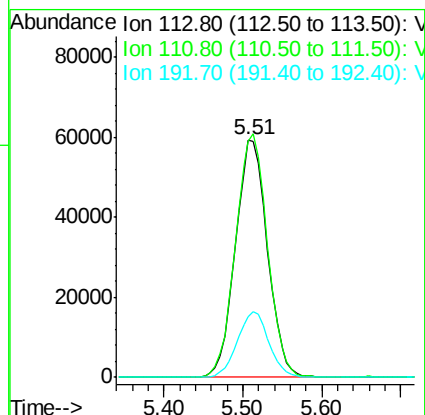
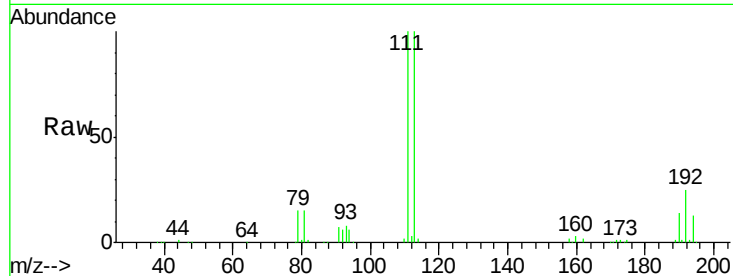




#35
 Dibromofluoromethane
 Concen: 54.08 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001797.D
 Acq: 17 May 2018 18:13

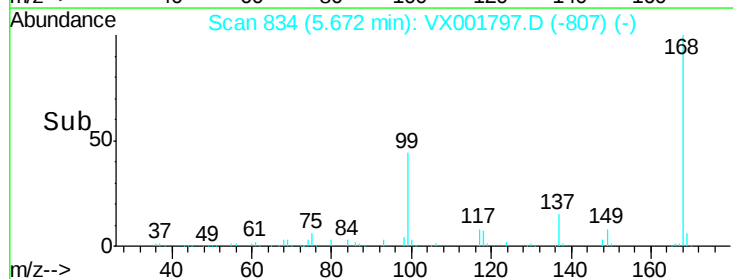
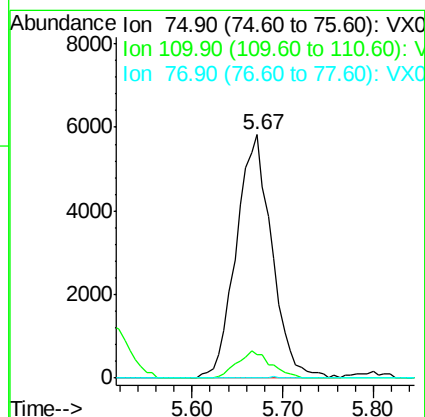
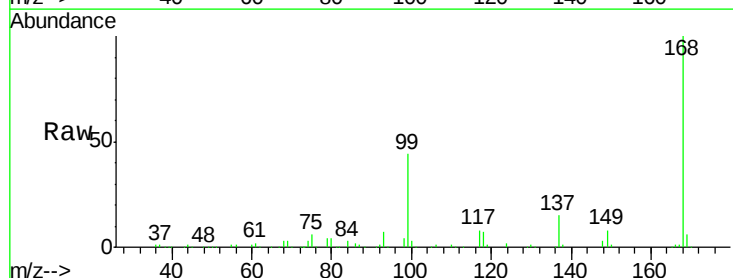
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW307-180507

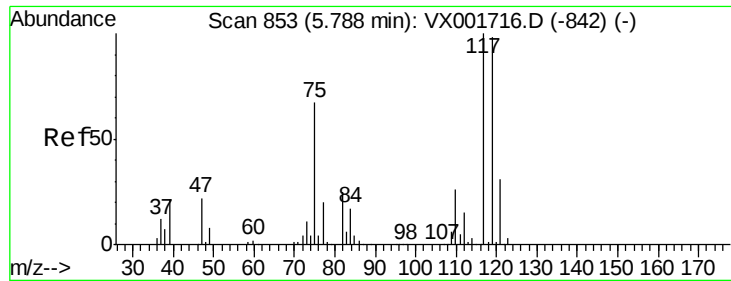
Tgt Ion:113 Resp: 167541
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.0 123.0
 192 27.1 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001797.D
 Acq: 17 May 2018 18:13

Tgt Ion: 75 Resp: 15861
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.1 57.1#
 77 0.0 24.6 37.0#

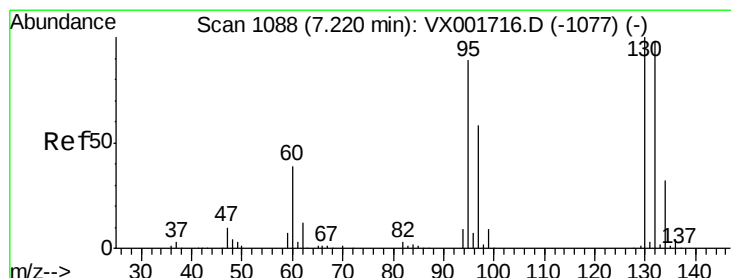
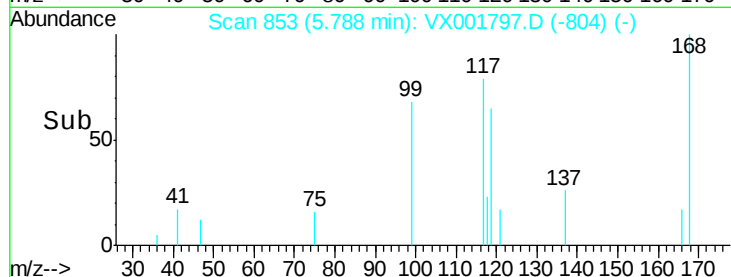
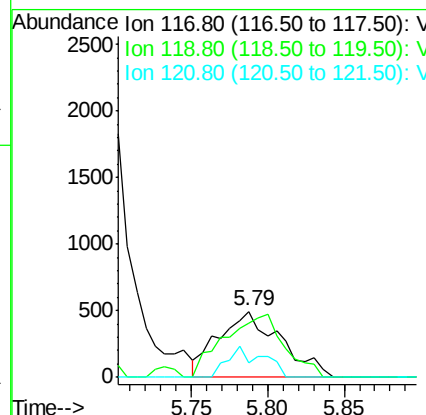
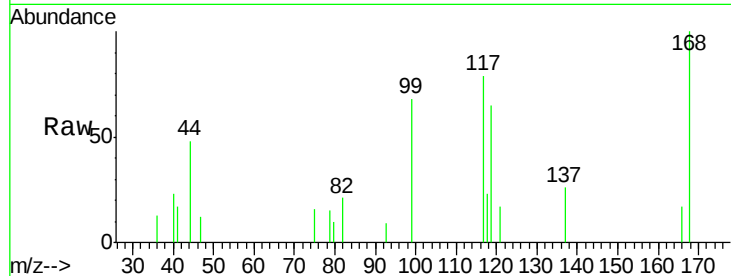




#38
Carbon Tetrachloride
Concen: 0.31 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

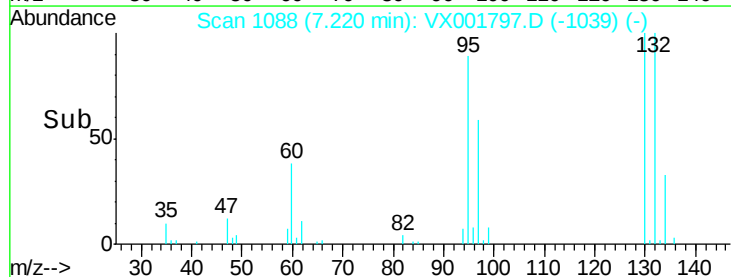
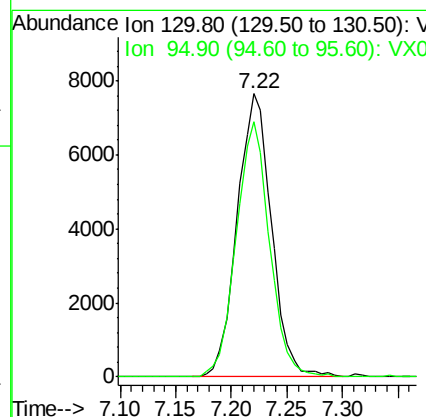
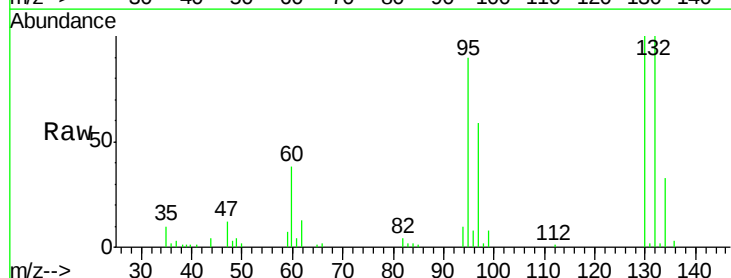
Instrument :
MSVOA_X
ClientSampleId :
SS037MW307-180507

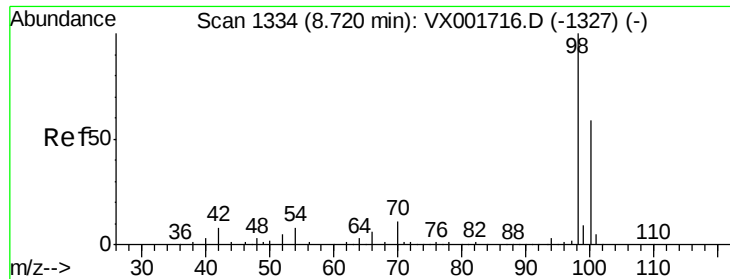
Tgt Ion:117 Resp: 1394
Ion Ratio Lower Upper
117 100
119 81.4 77.6 116.4
121 21.5 24.6 36.8#



#44
Trichloroethene
Concen: 4.23 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

Tgt Ion:130 Resp: 16327
Ion Ratio Lower Upper
130 100
95 90.4 0.0 177.2

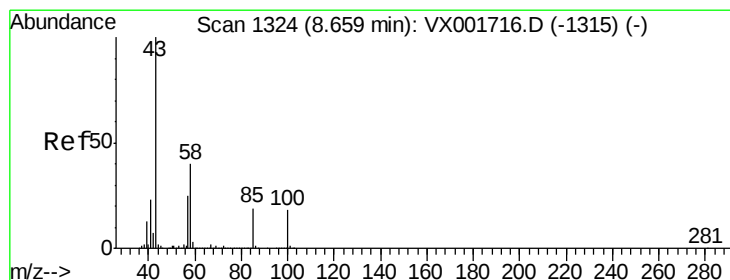
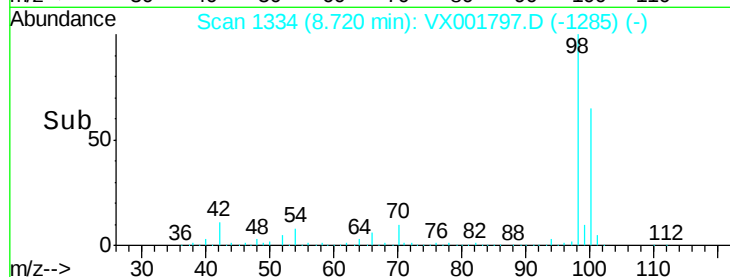
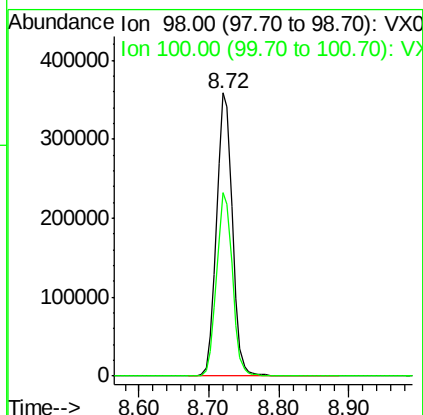
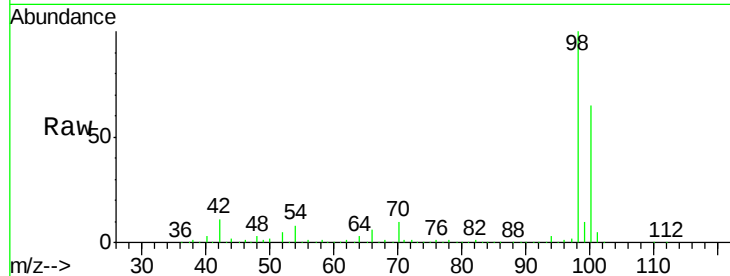




#50
Toluene-d8
Concen: 51.02 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

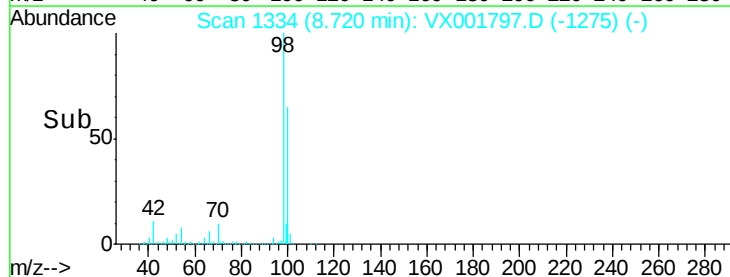
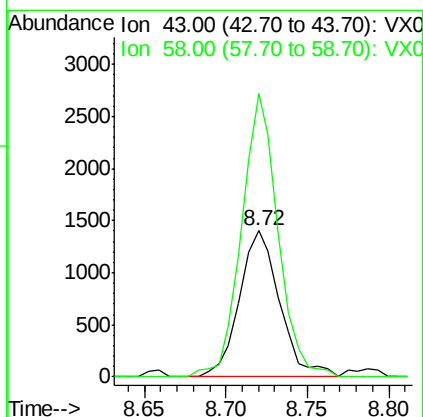
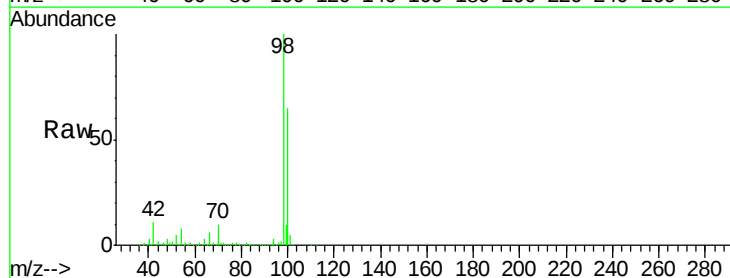
Instrument :
MSVOA_X
ClientSampleId :
SS037MW307-180507

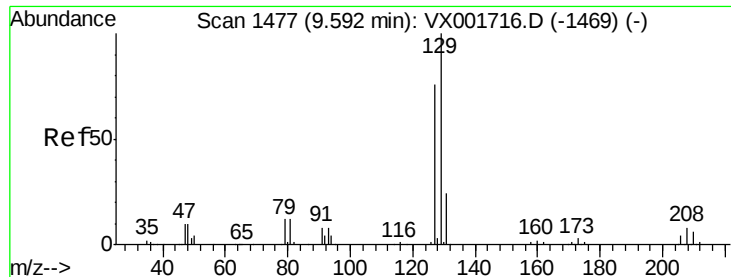
Tgt Ion: 98 Resp: 566012
Ion Ratio Lower Upper
98 100
100 64.8 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

Tgt Ion: 43 Resp: 2416
Ion Ratio Lower Upper
43 100
58 174.6 31.4 47.0#





#60

Dibromochloromethane

Concen: 2.50 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

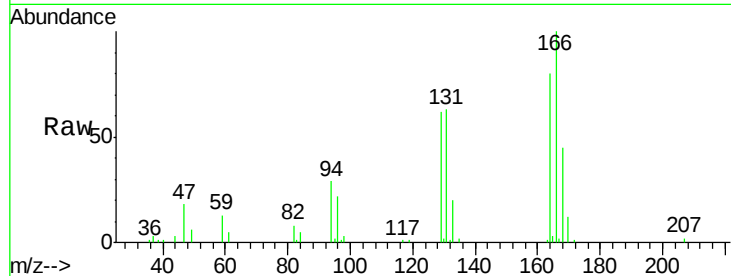
SS037MW307-180507

Tgt Ion:129 Resp: 7813

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

6000

5000

4000

3000

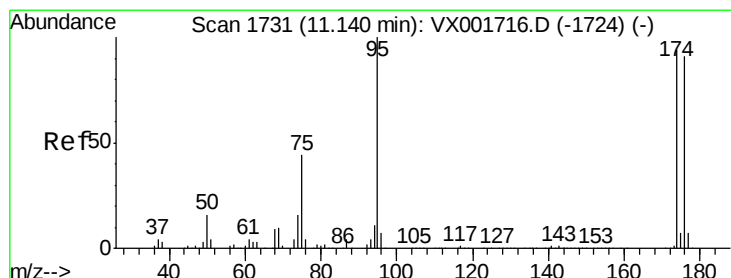
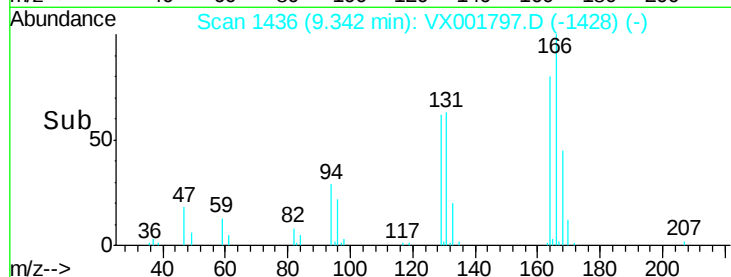
2000

1000

0

Time-->

9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 39.04 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

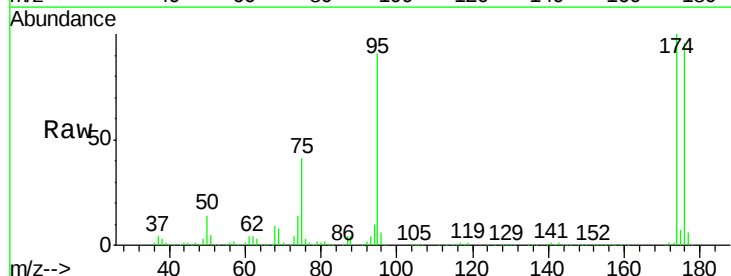
Tgt Ion: 95 Resp: 155936

Ion Ratio Lower Upper

95 100

174 104.2 0.0 201.8

176 100.0 0.0 196.8



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

150000

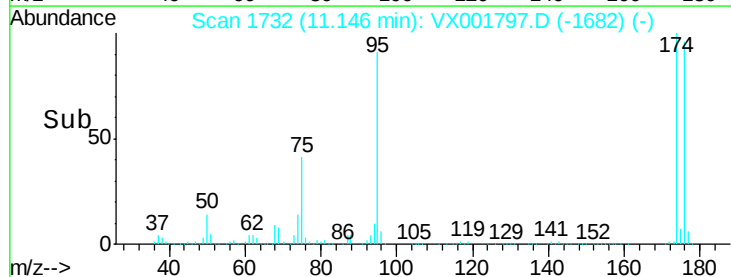
100000

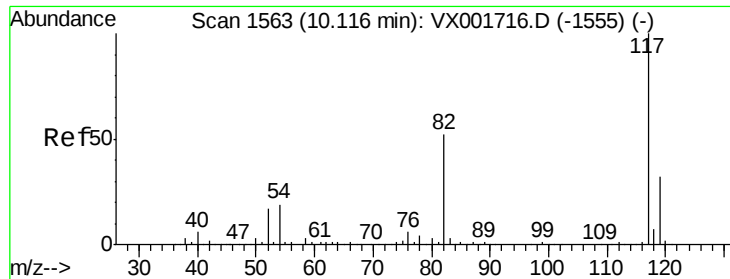
50000

0

Time-->

11.10 11.20

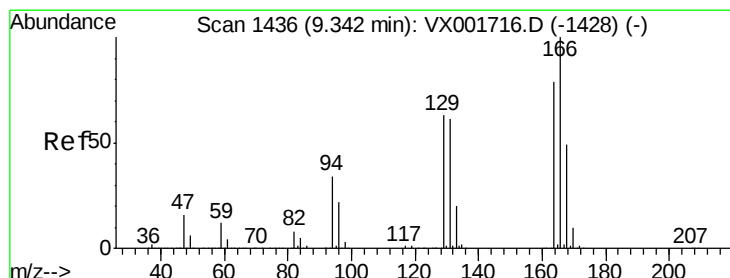
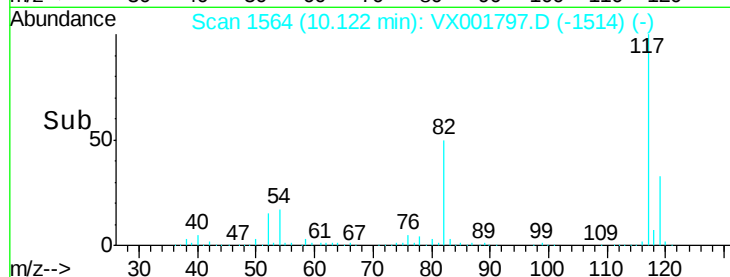
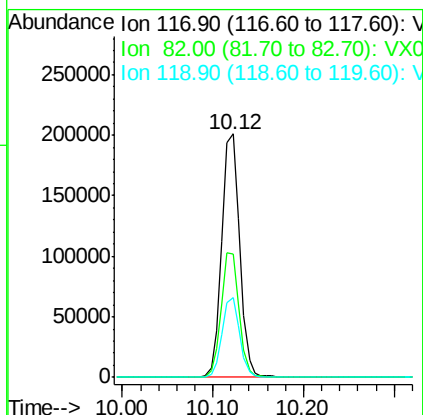
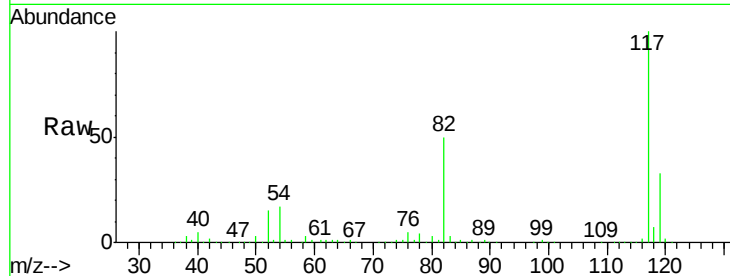




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

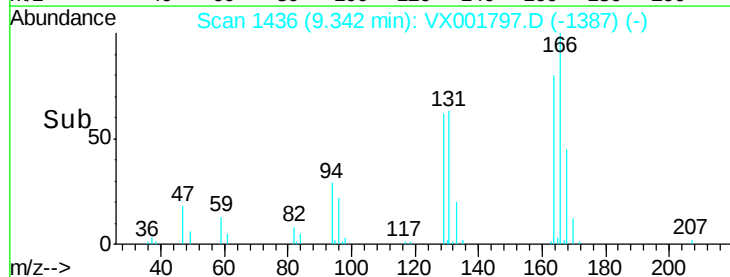
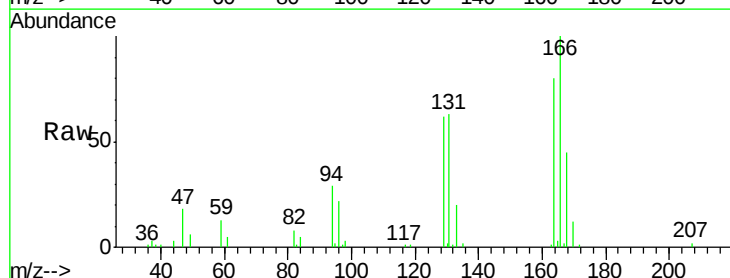
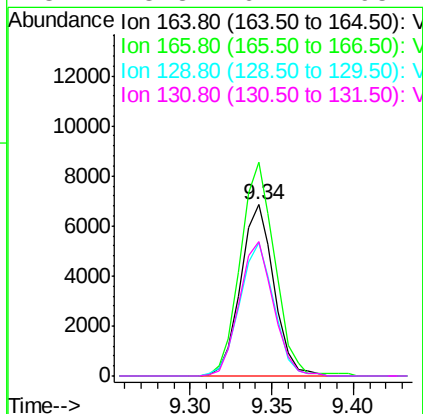
Instrument :
MSVOA_X
ClientSampleId :
SS037MW307-180507

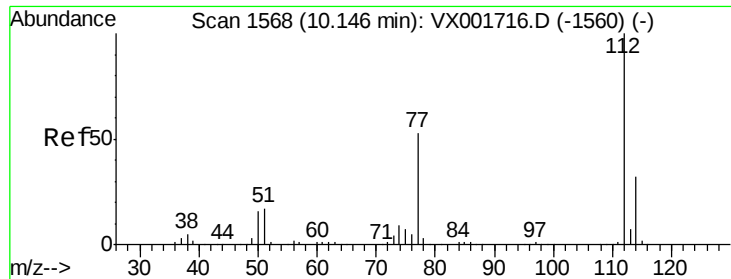
Tgt Ion:117 Resp: 279738
Ion Ratio Lower Upper
117 100
82 50.4 41.4 62.2
119 33.0 25.6 38.4



#64
Tetrachloroethene
Concen: 2.70 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001797.D
Acq: 17 May 2018 18:13

Tgt Ion:164 Resp: 9822
Ion Ratio Lower Upper
164 100
166 124.7 101.8 152.8
129 77.4 63.8 95.6
131 78.3 62.2 93.2





#65

Chlorobenzene

Concen: 0.25 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

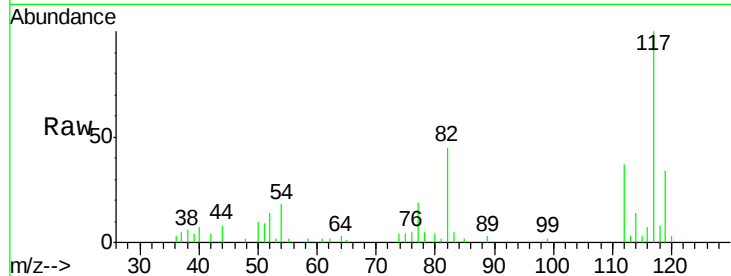
SS037MW307-180507

Tgt Ion:112 Resp: 1949

Ion Ratio Lower Upper

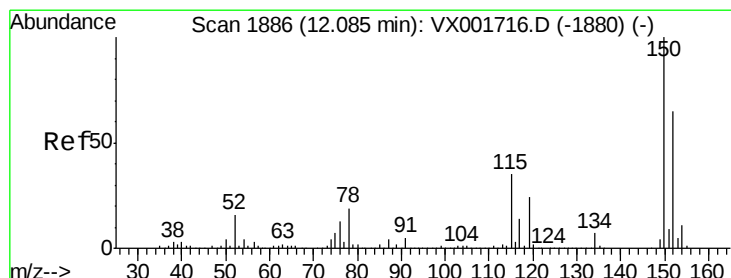
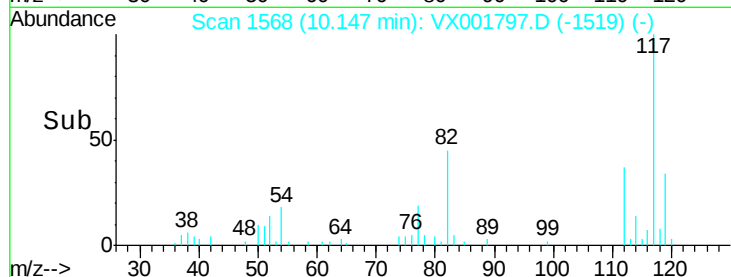
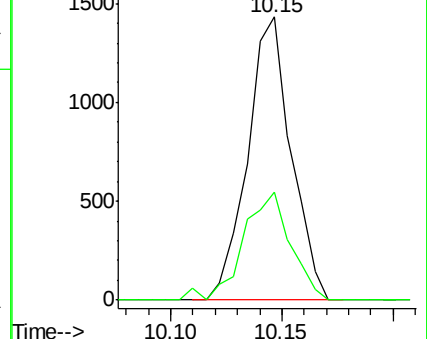
112 100

114 38.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX001797.D

Acq: 17 May 2018 18:13

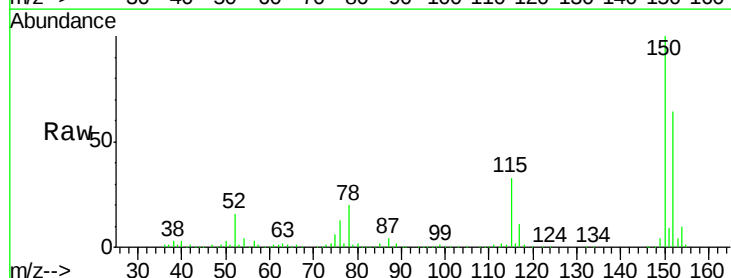
Tgt Ion:152 Resp: 126574

Ion Ratio Lower Upper

152 100

115 51.9 37.4 112.2

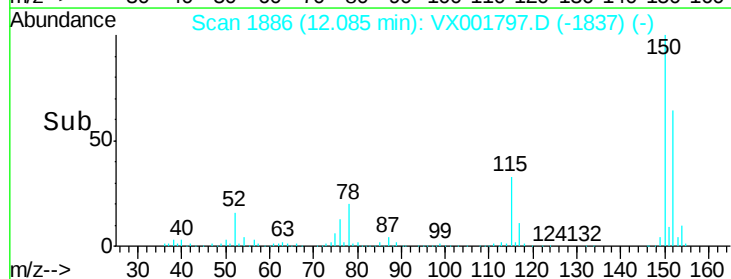
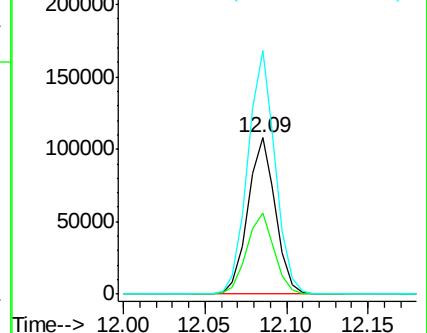
150 155.5 0.0 344.8

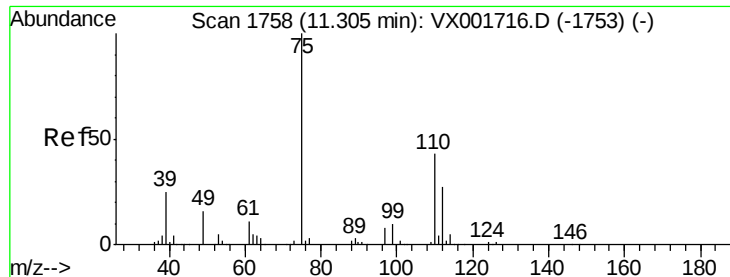


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

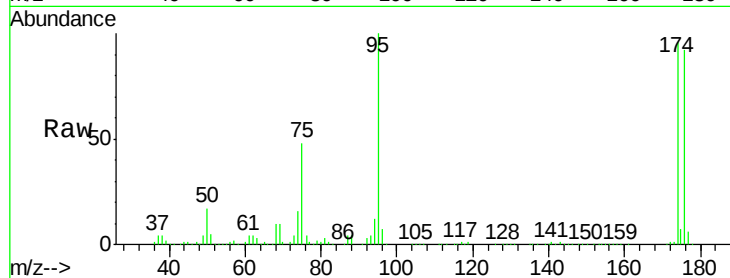
SS037MW307-180507

Tgt Ion: 75 Resp: 71613

Ion Ratio Lower Upper

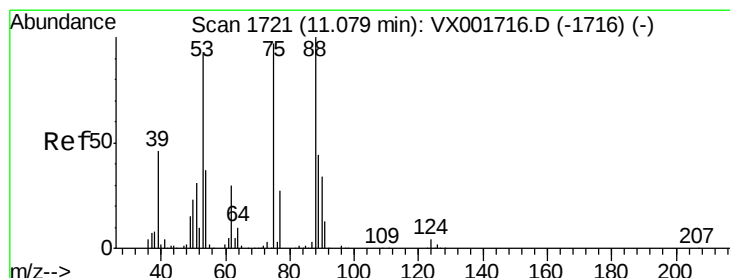
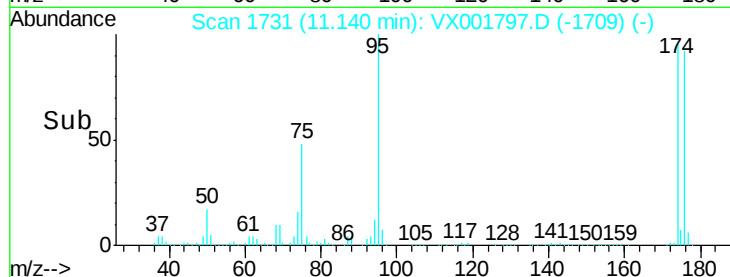
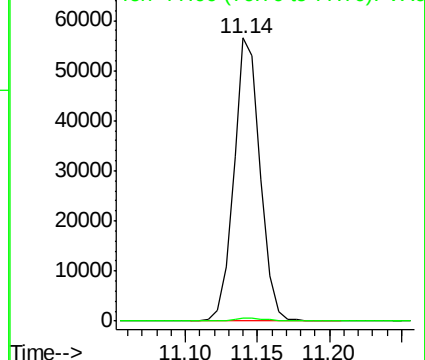
75 100

77 1.3 18.9 56.7#



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: 86.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

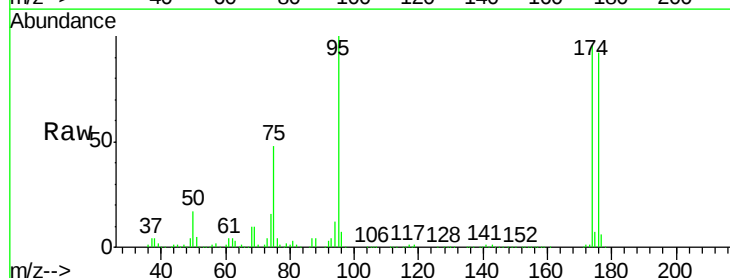
Tgt Ion: 75 Resp: 71613

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

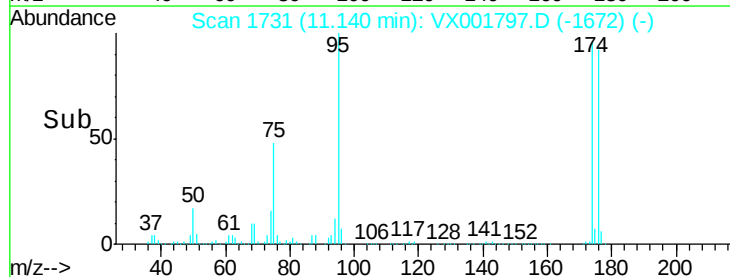
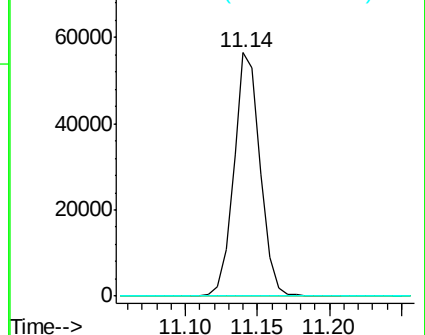
89 0.0 38.8 58.2#

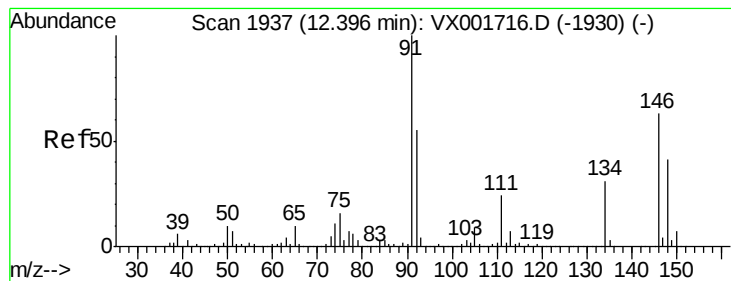


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#91

1,2-Dichlorobenzene

Concen: 1.21 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001797.D

Acq: 17 May 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

SS037MW307-180507

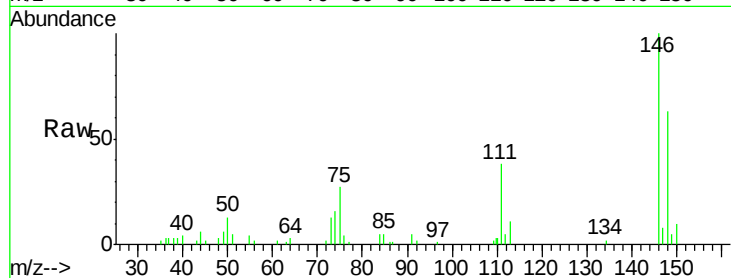
Tgt Ion:146 Resp: 5457

Ion Ratio Lower Upper

146 100

111 37.9 18.6 56.0

148 64.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

