

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011419\
 Data File : VX007037.D
 Acq On : 14 Jan 2019 14:16
 Operator : JC/SP
 Sample : K1134-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW218-190110

Quant Time: Jan 15 01:33:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	579253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	892178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	844409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	414568	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	310001	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	5.51	113	272609	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.71	98	1070021	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.13	95	389472	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	

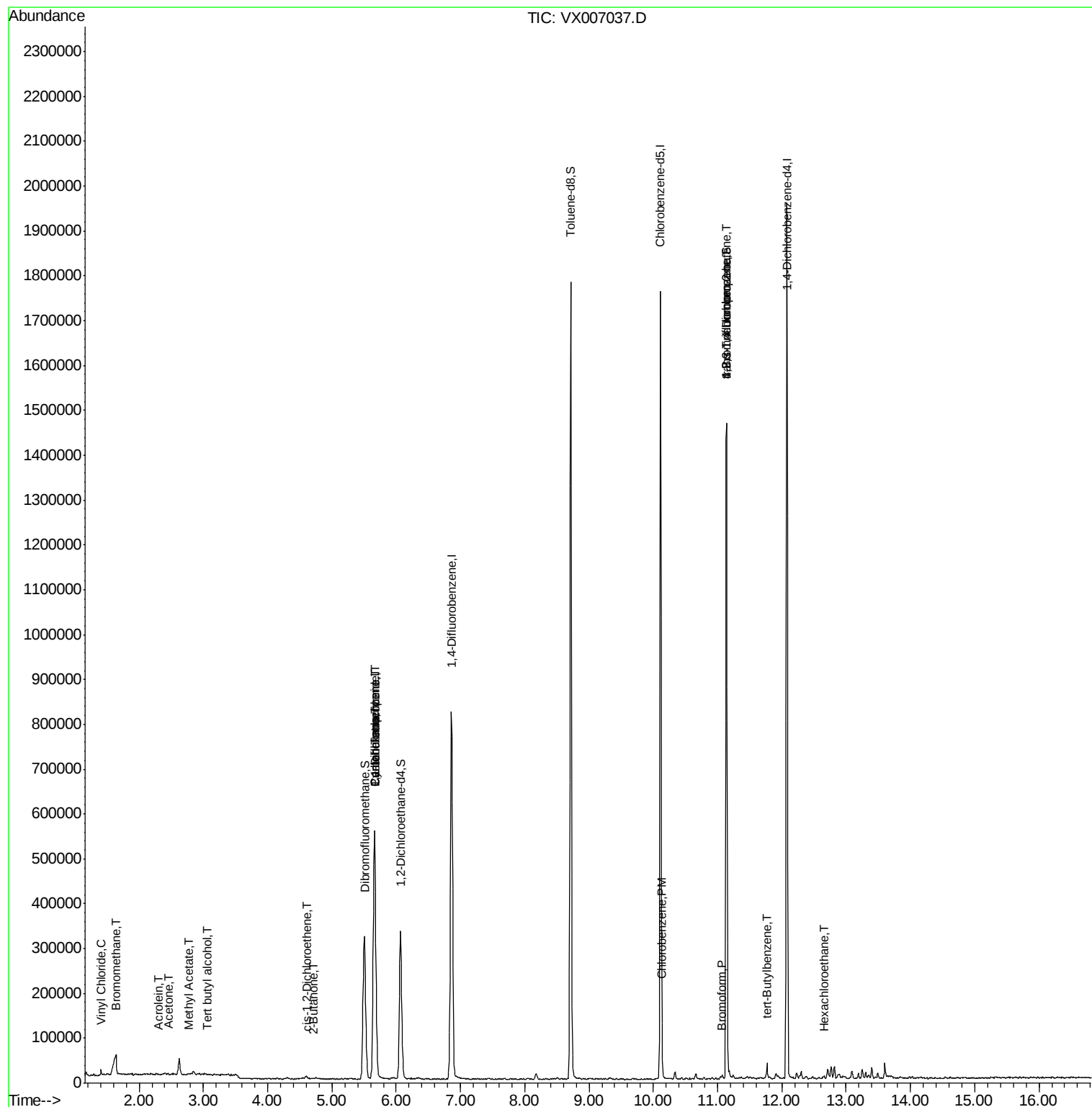
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	7159	1.202	ug/l	92
5) Bromomethane	1.64	94	2489	0.391	ug/l	96
11) Tert butyl alcohol	3.07	59	954	0.668	ug/l #	72
13) Acrolein	2.29	56	271	3.519	ug/l #	27
16) Acetone	2.45	43	3149	1.052	ug/l #	85
18) Methyl Acetate	2.78	43	2217	0.256	ug/l	96
20) Methylene Chloride	2.87	84	682	Below Cal	#	70
25) 2-Butanone	4.71	43	970	0.227	ug/l #	79
27) cis-1,2-Dichloroethene	4.60	96	3975	0.607	ug/l	94
31) Cyclohexane	5.67	56	9443	1.106	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	37539	4.840	ug/l #	44
38) Carbon Tetrachloride	5.67	117	51915	6.652	ug/l #	14
49) 1,4-Dioxane	7.73	88	116	Below Cal	#	1
65) Chlorobenzene	10.14	112	6525	0.354	ug/l	97
71) Bromoform	11.06	173	100	4.744	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	183883	21.888	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	183883	64.841	ug/l #	10
83) tert-Butylbenzene	11.77	119	12874	0.528	ug/l	87
90) Hexachloroethane	12.66	117	210	2.956	ug/l #	16

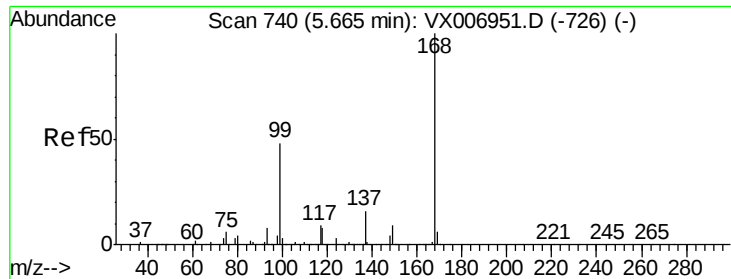
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011419\
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QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

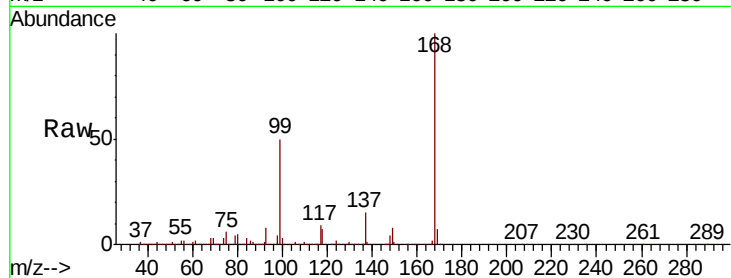
SS037MW218-190110

Tgt Ion:168 Resp: 579253

Ion Ratio Lower Upper

168 100

99 49.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006951.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX006951.D (-726) (-)

5.67

200000

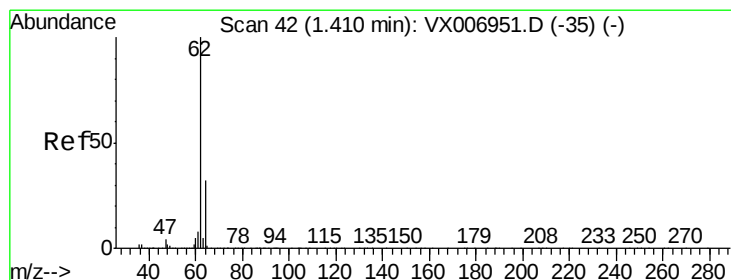
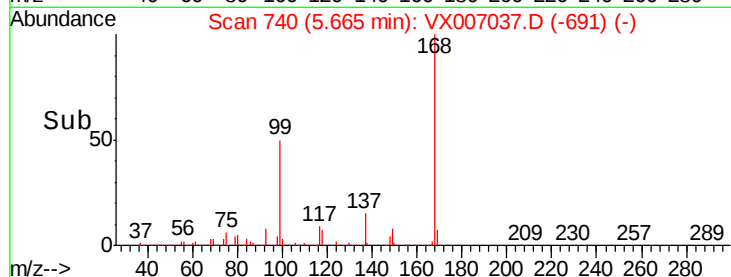
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 1.202 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007037.D

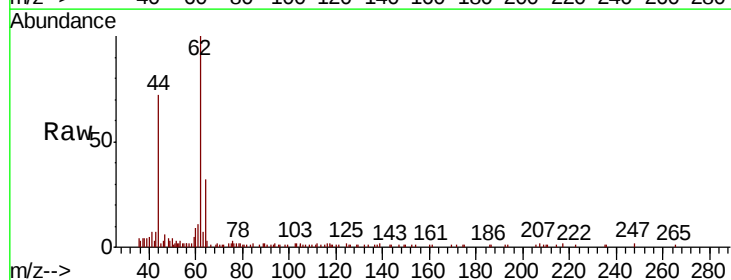
Acq: 14 Jan 2019 14:16

Tgt Ion: 62 Resp: 7159

Ion Ratio Lower Upper

62 100

64 27.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX006951.D (-35) (-)

Ion 63.90 (63.60 to 64.60): VX006951.D (-35) (-)

1.41

8000

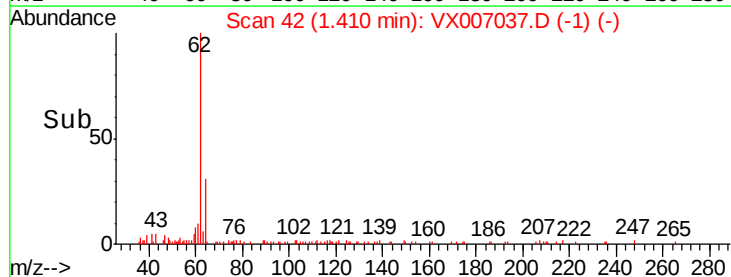
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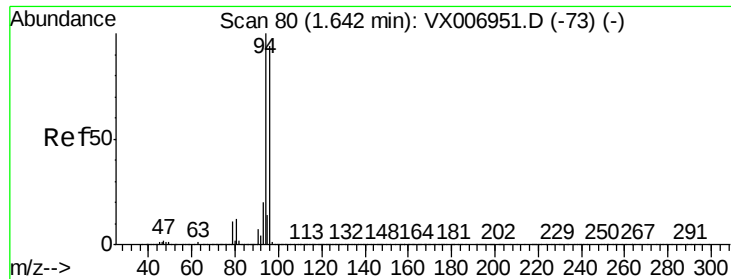
4000

2000

0

Time-->





#5

Bromomethane

Concen: 0.391 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

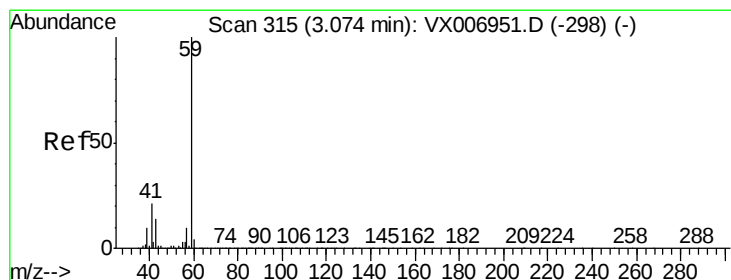
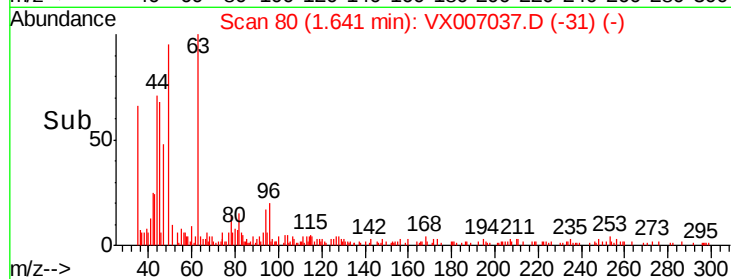
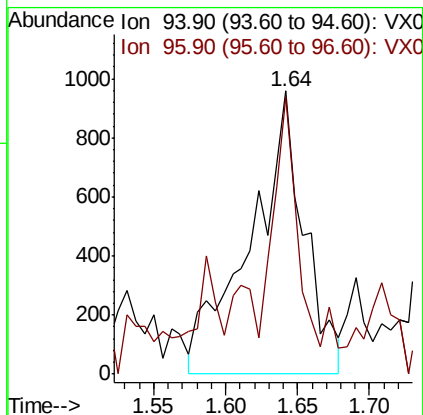
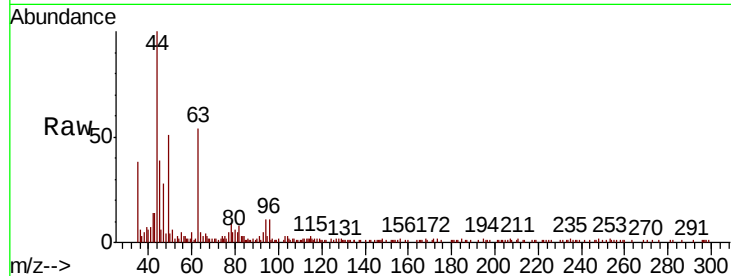
SS037MW218-190110

Tgt Ion: 94 Resp: 2489

Ion Ratio Lower Upper

94 100

96 95.3 73.4 110.2



#11

Tert butyl alcohol

Concen: 0.668 ug/l

RT: 3.07 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX007037.D

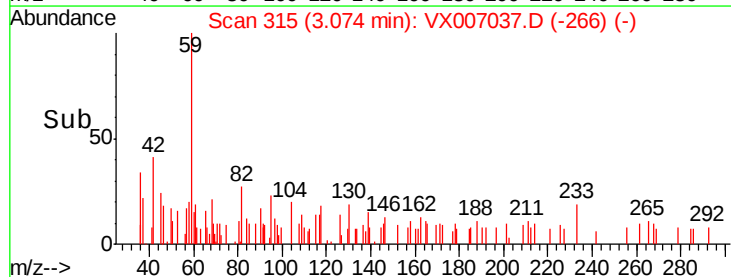
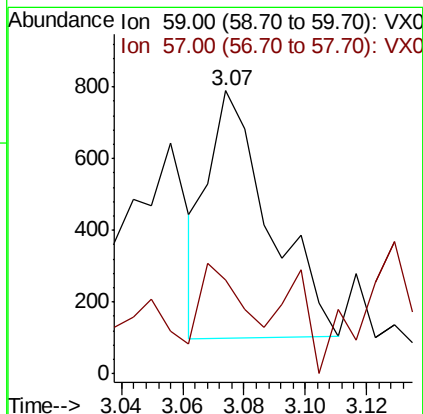
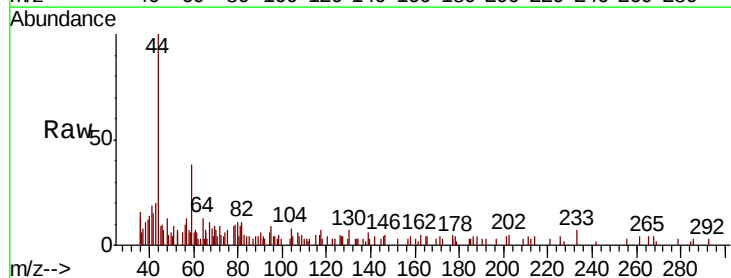
Acq: 14 Jan 2019 14:16

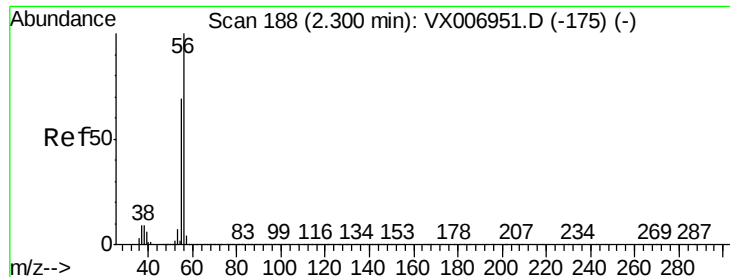
Tgt Ion: 59 Resp: 954

Ion Ratio Lower Upper

59 100

57 21.1 8.5 12.7#





#13

Acrolein

Concen: 3.519 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

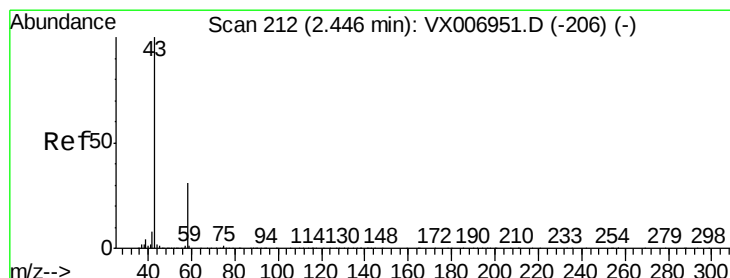
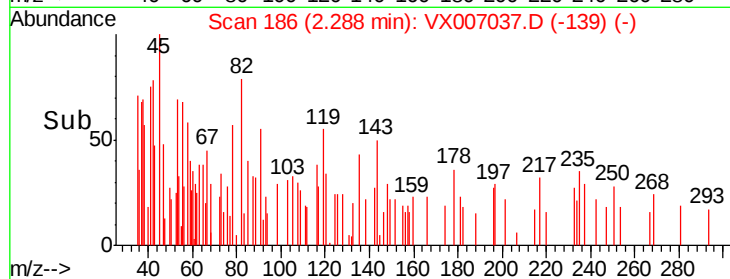
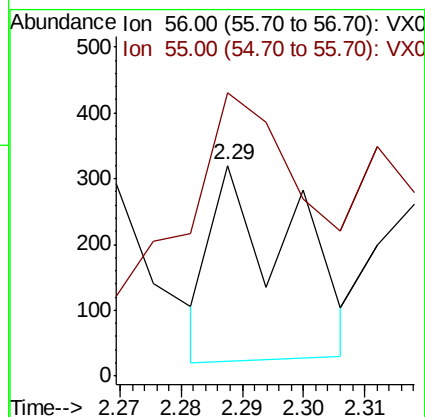
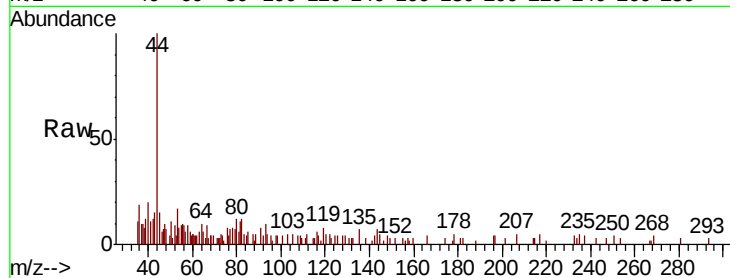
SS037MW218-190110

Tgt Ion: 56 Resp: 271

Ion Ratio Lower Upper

56 100

55 134.3 58.2 87.4#



#16

Acetone

Concen: 1.052 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007037.D

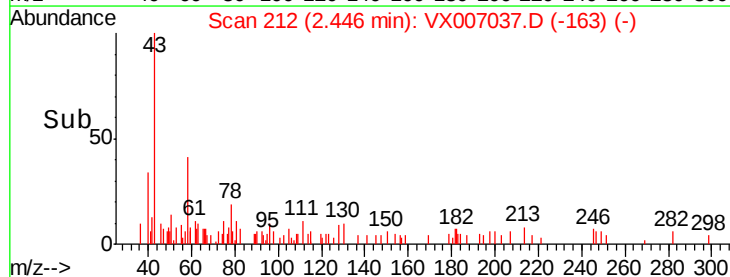
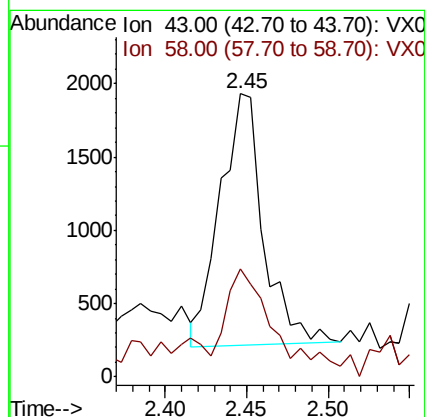
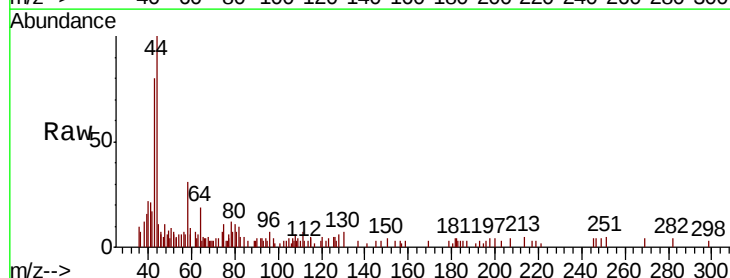
Acq: 14 Jan 2019 14:16

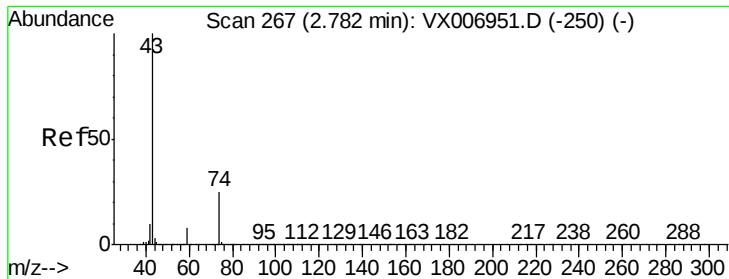
Tgt Ion: 43 Resp: 3149

Ion Ratio Lower Upper

43 100

58 39.5 25.0 37.6#

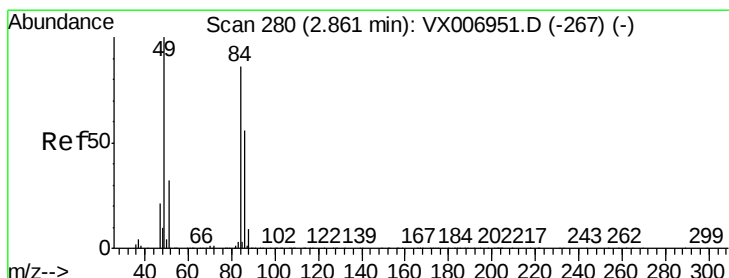
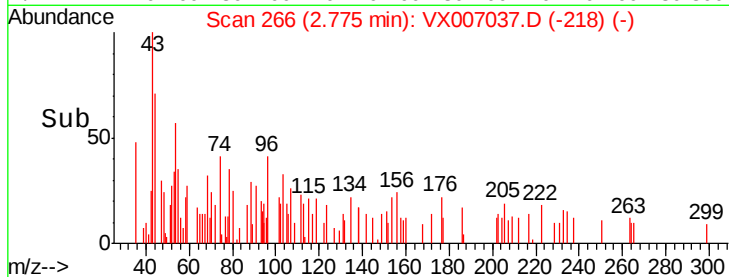
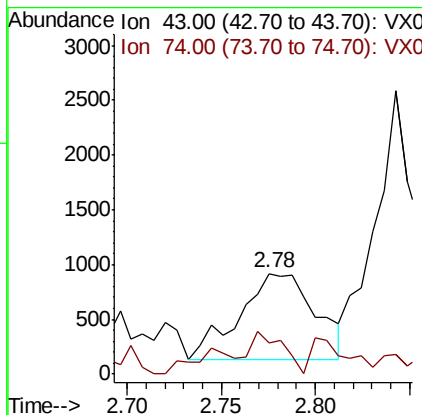
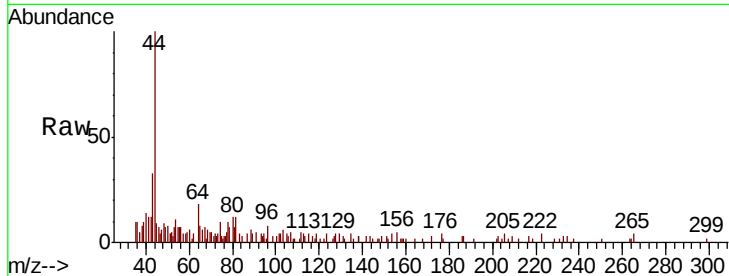




#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

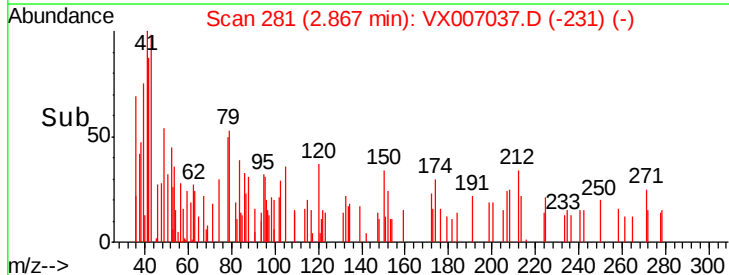
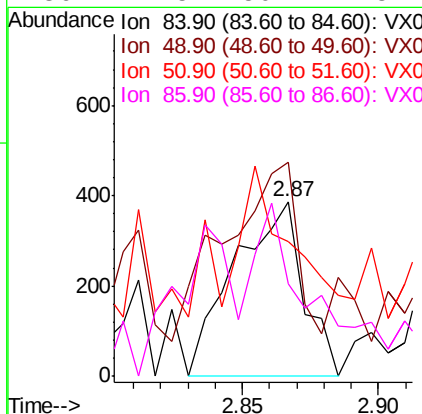
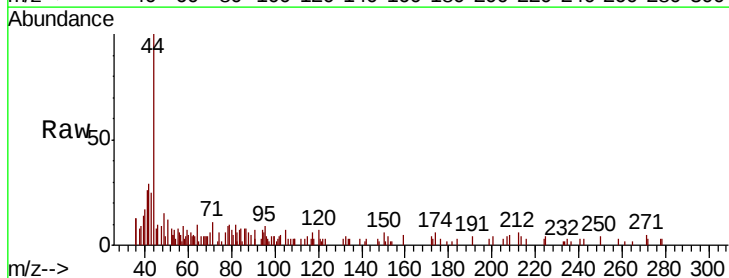
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190110

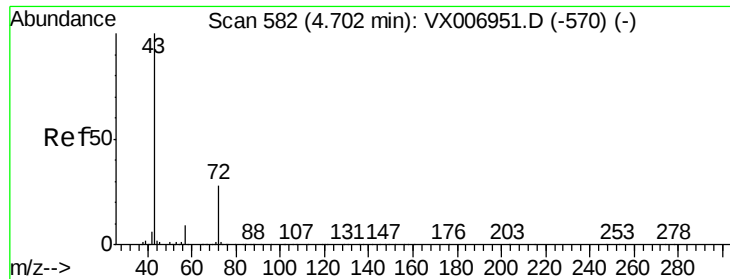
Tgt Ion: 43 Resp: 2217
Ion Ratio Lower Upper
43 100
74 21.6 18.6 28.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Tgt Ion: 84 Resp: 682
Ion Ratio Lower Upper
84 100
49 71.1 91.8 137.6#
51 43.7 28.5 42.7#
86 77.5 50.2 75.2#





#25

2-Butanone

Concen: 0.227 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

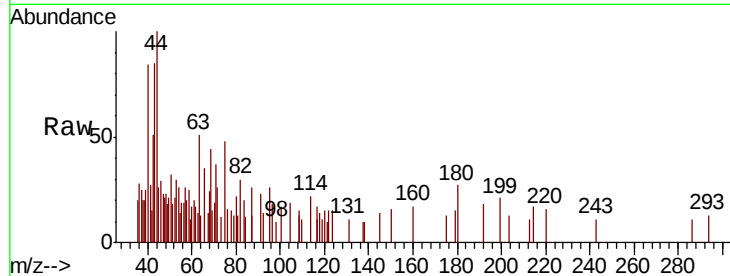
SS037MW218-190110

Tgt Ion: 43 Resp: 970

Ion Ratio Lower Upper

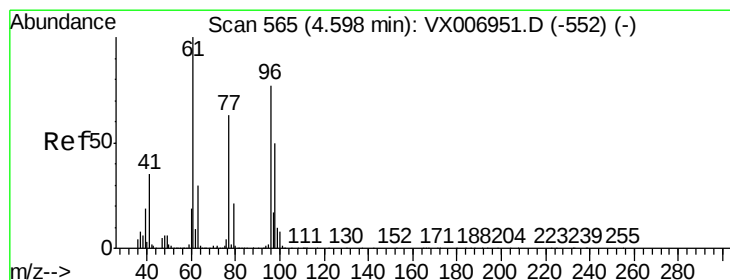
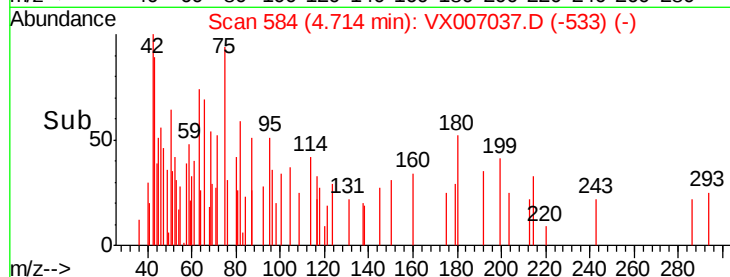
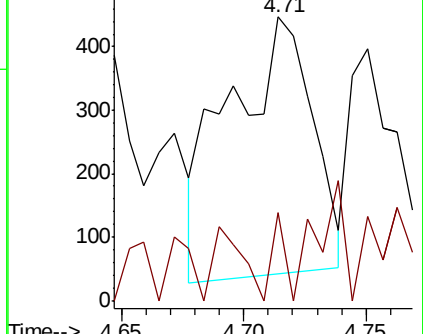
43 100

72 17.2 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.607 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

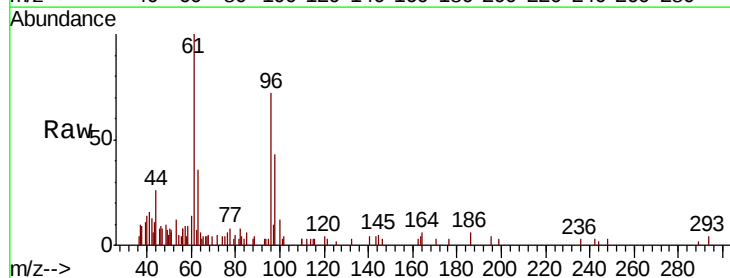
Tgt Ion: 96 Resp: 3975

Ion Ratio Lower Upper

96 100

61 127.1 0.0 258.6

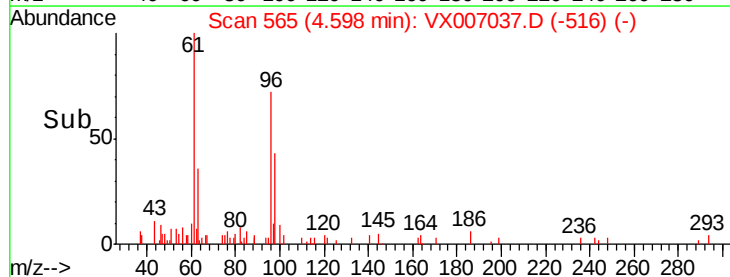
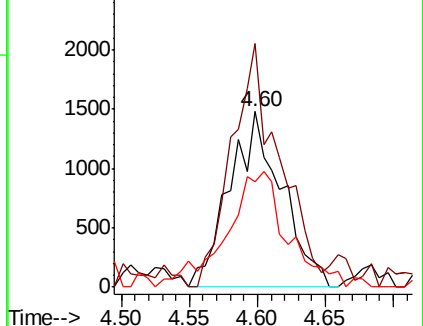
98 77.8 0.0 132.0

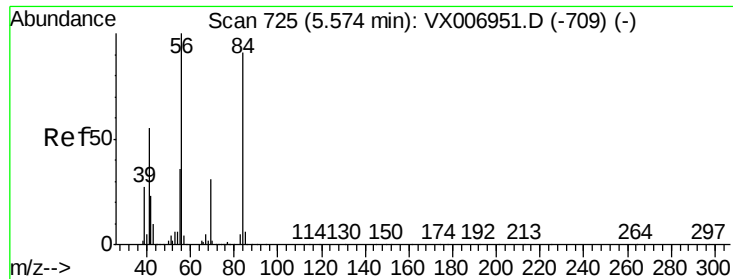


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

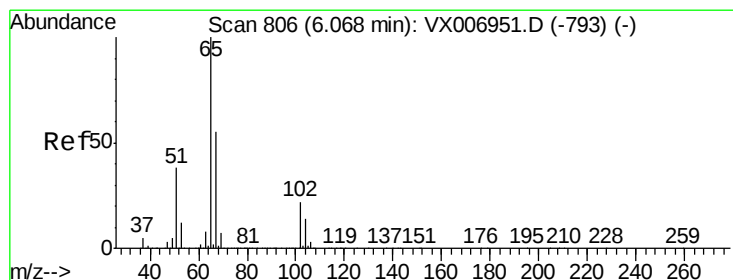
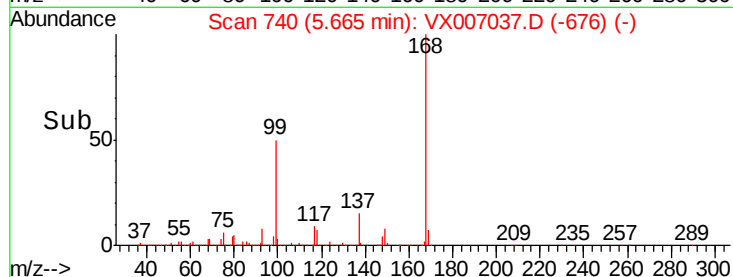
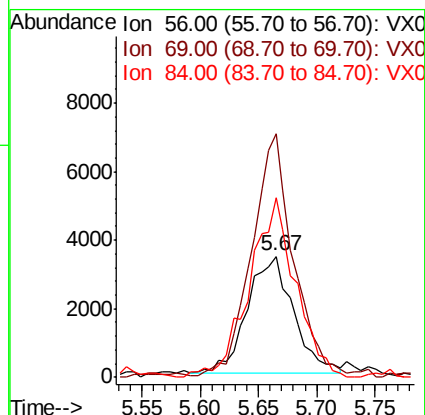
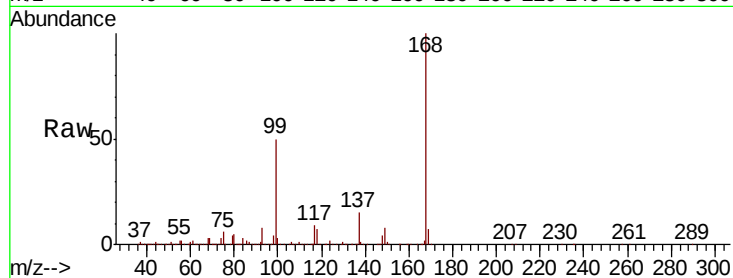




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

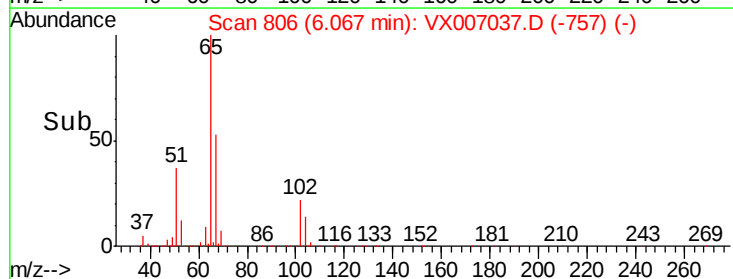
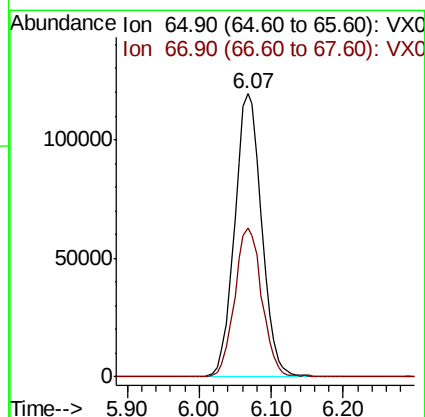
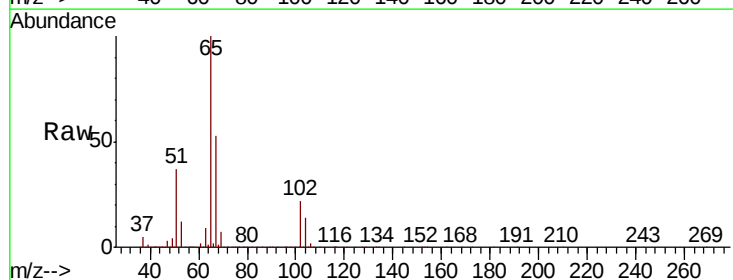
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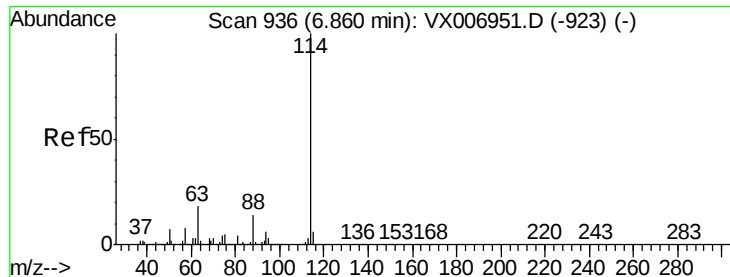
Tgt Ion: 56 Resp: 9443
Ion Ratio Lower Upper
56 100
69 204.5 24.4 36.6#
84 150.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.209 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Tgt Ion: 65 Resp: 310001
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190110

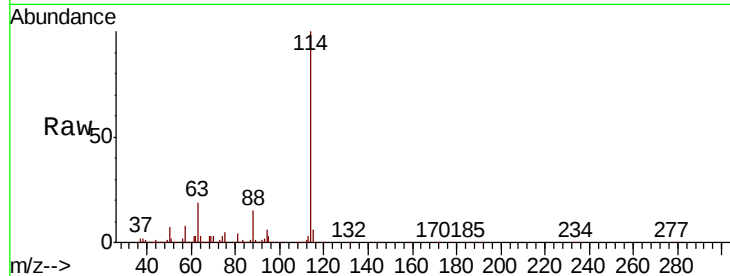
Tgt Ion:114 Resp: 892178

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.8

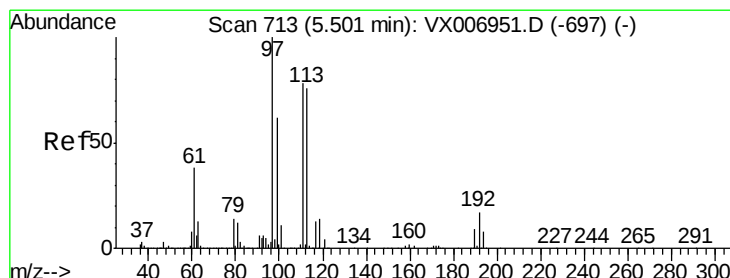
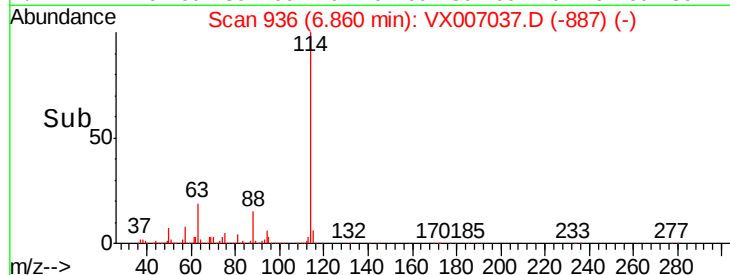
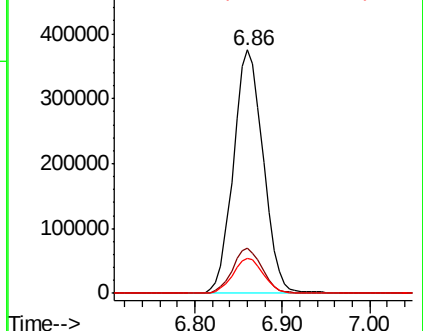
88 14.6 0.0 28.8



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: 47.714 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

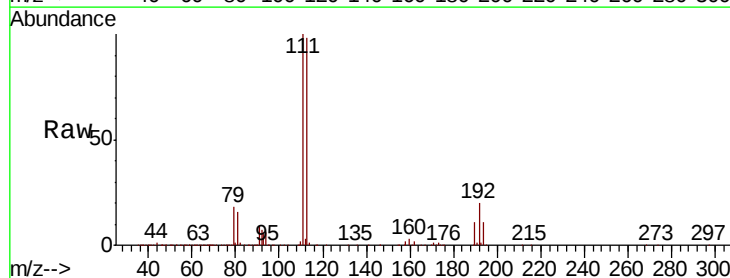
Tgt Ion:113 Resp: 272609

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

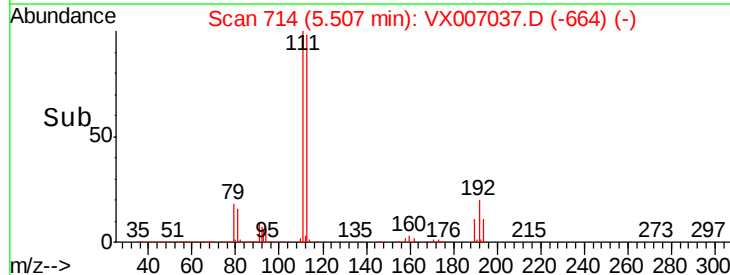
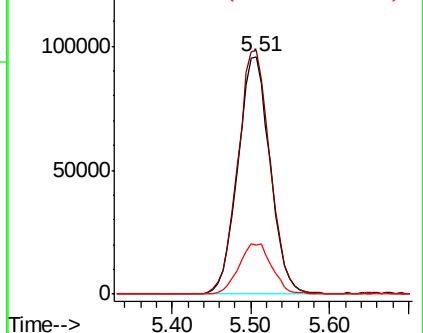
192 21.8 16.7 25.1

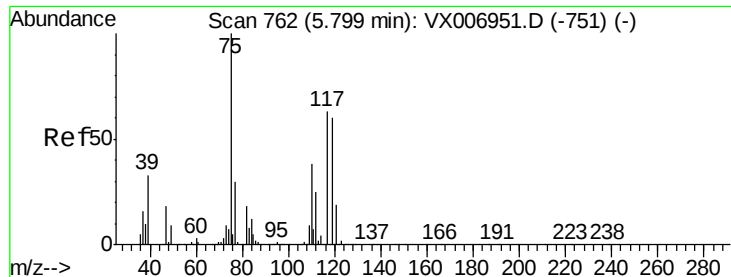


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

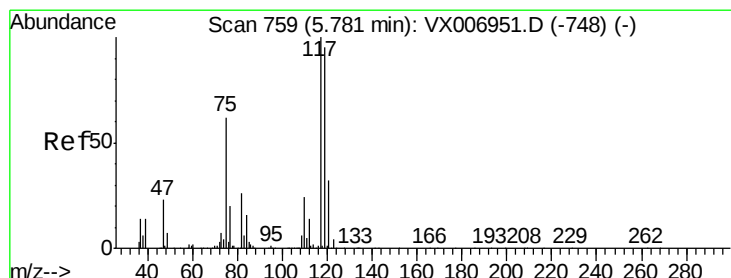
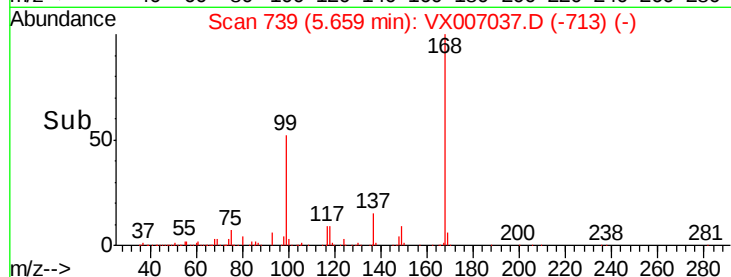
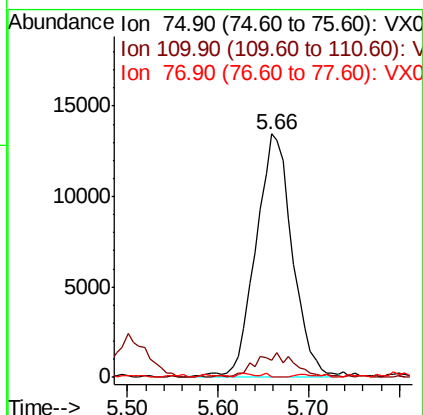
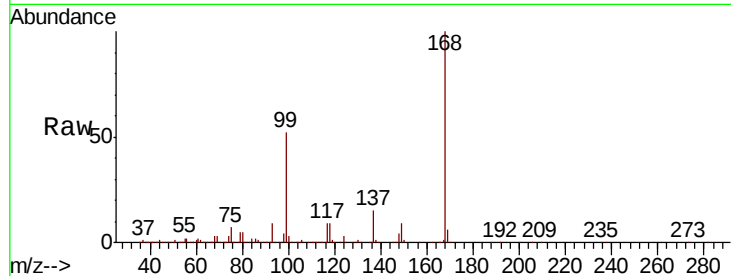




#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007037.D
 Acq: 14 Jan 2019 14:16

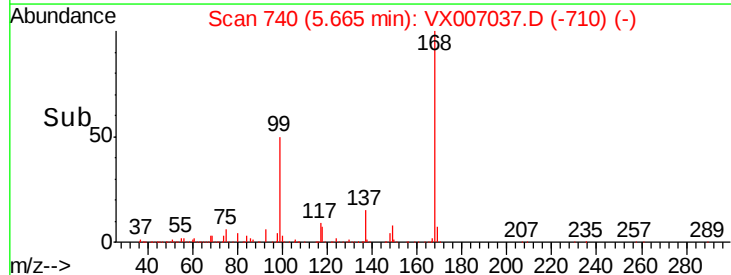
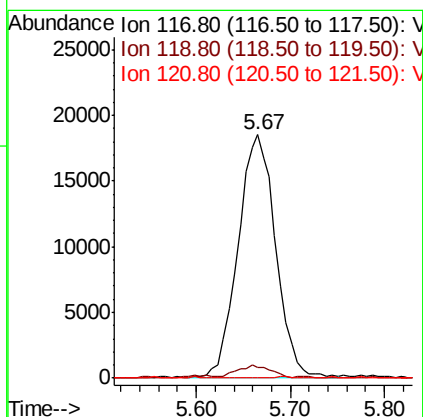
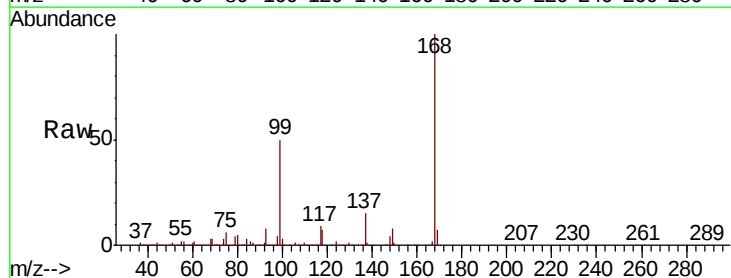
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW218-190110

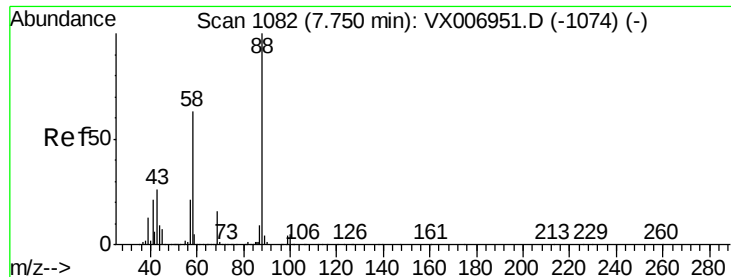
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.3	20.2	60.5#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.652 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007037.D
 Acq: 14 Jan 2019 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	79.4	119.2#
121	0.0	24.0	36.0#

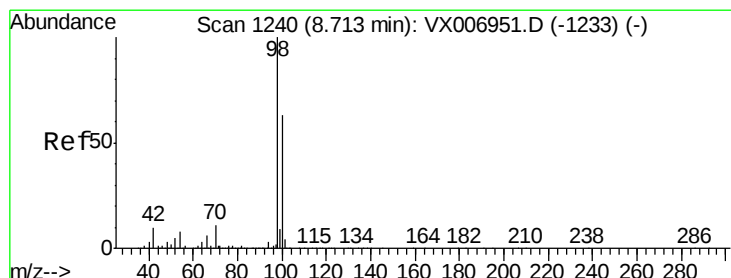
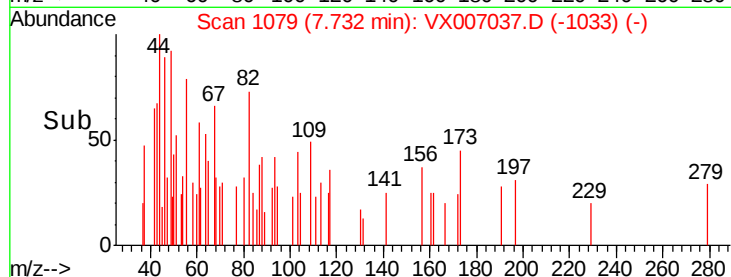
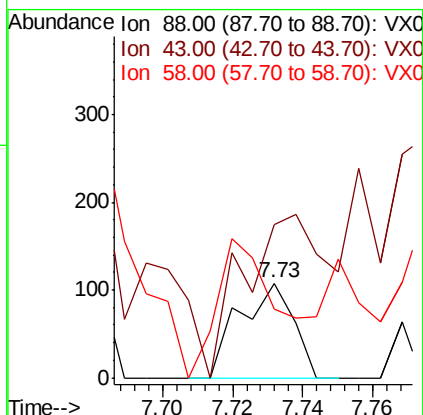
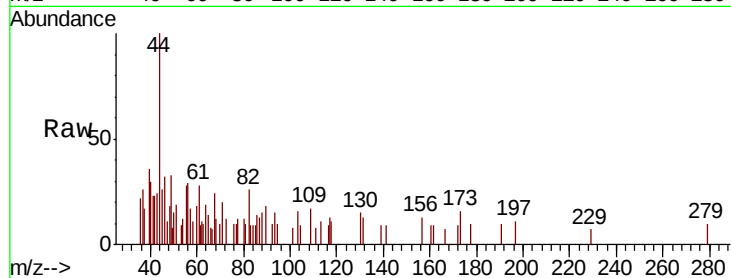




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.73 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

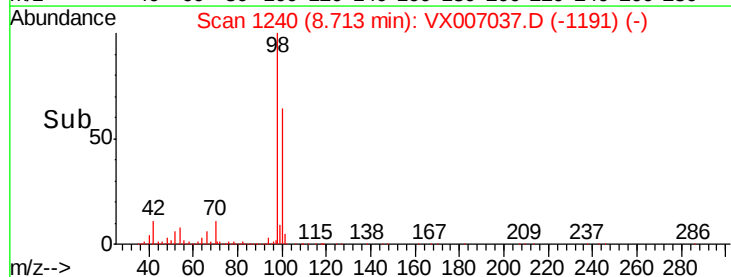
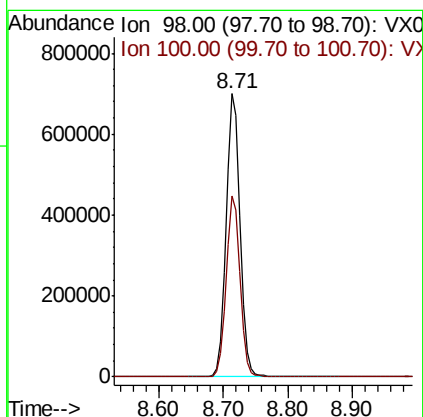
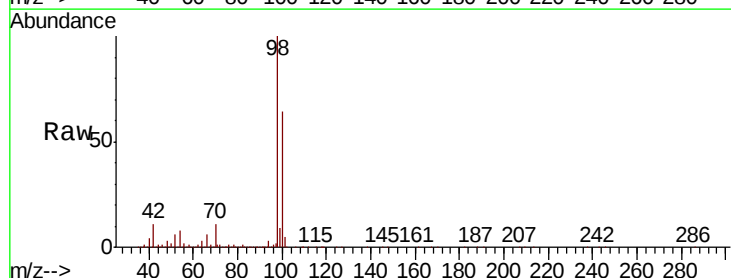
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190110

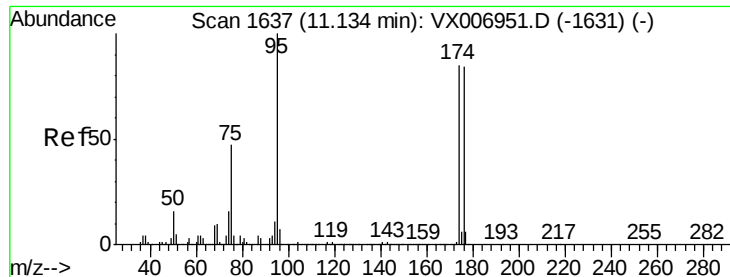
Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 271.6 22.2 33.4#
58 156.0 51.0 76.4#



#50
Toluene-d8
Concen: 51.165 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Tgt Ion: 98 Resp: 1070021
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 53.420 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190110

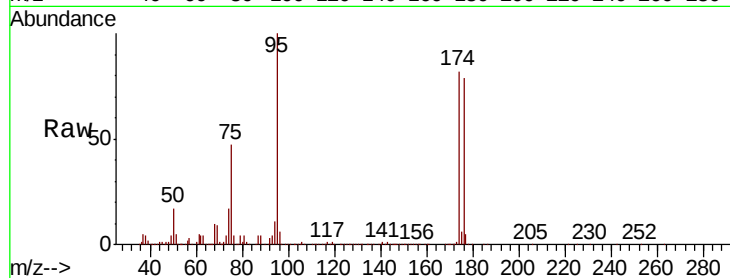
Tgt Ion: 95 Resp: 389472

Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.2

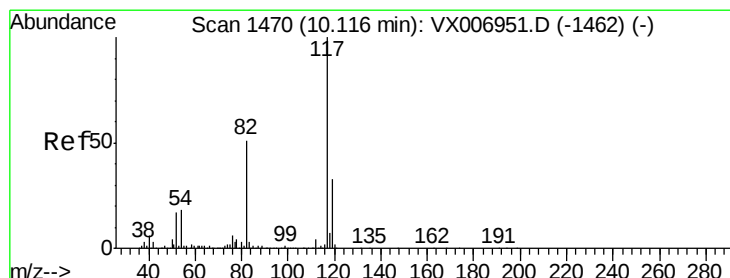
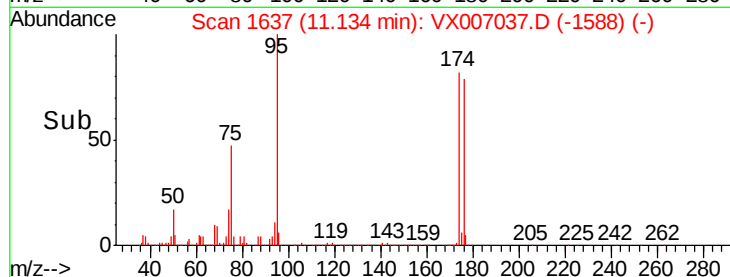
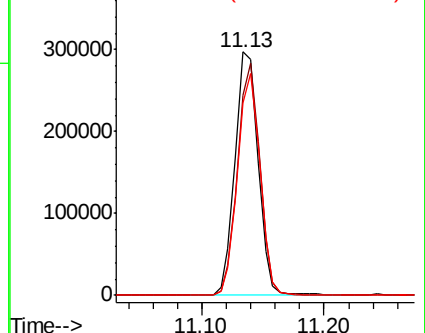
176 88.4 0.0 178.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

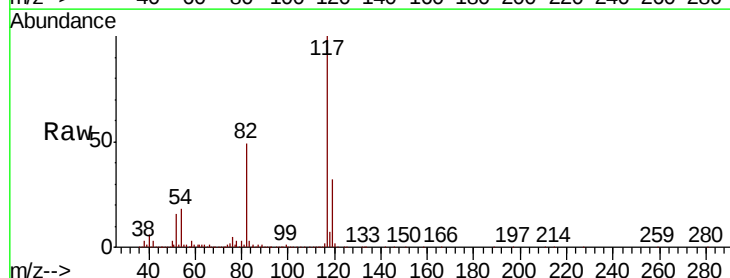
Tgt Ion: 117 Resp: 844409

Ion Ratio Lower Upper

117 100

82 49.2 41.0 61.6

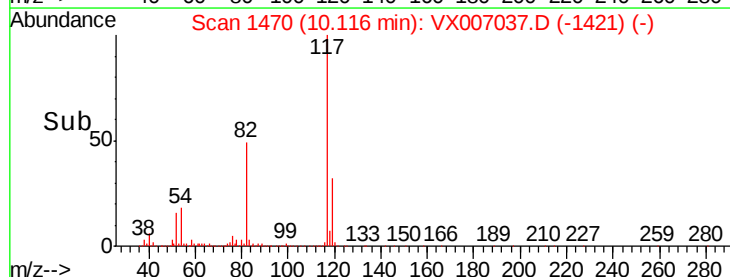
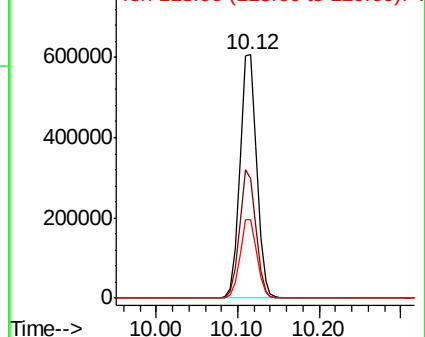
119 32.5 25.4 38.0

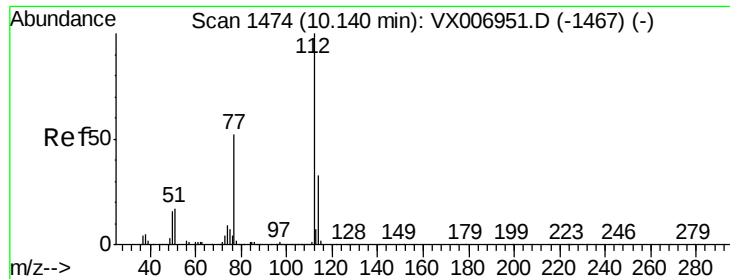


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

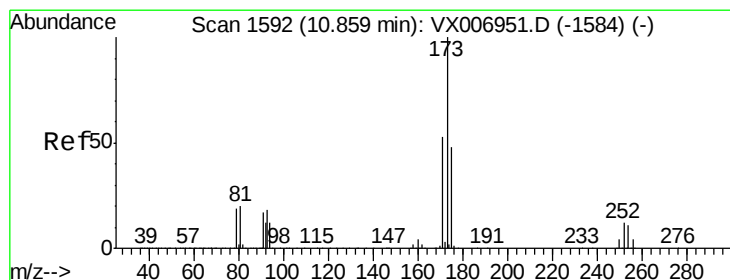
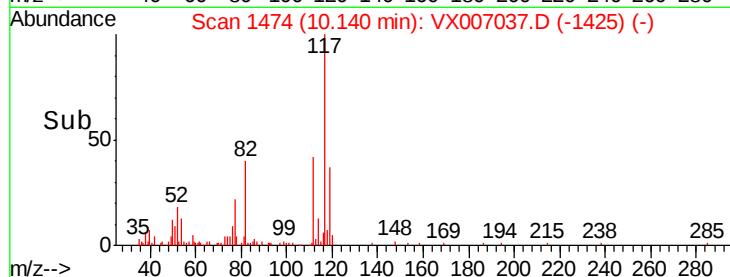
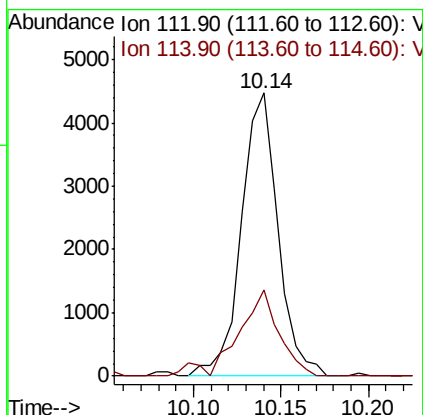
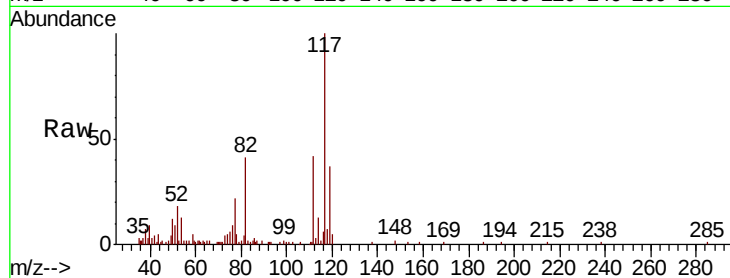




#65
Chlorobenzene
Concen: 0.354 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

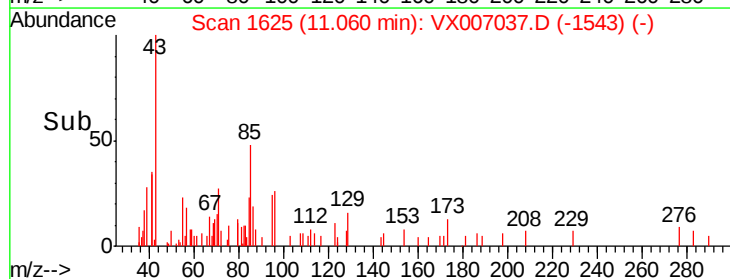
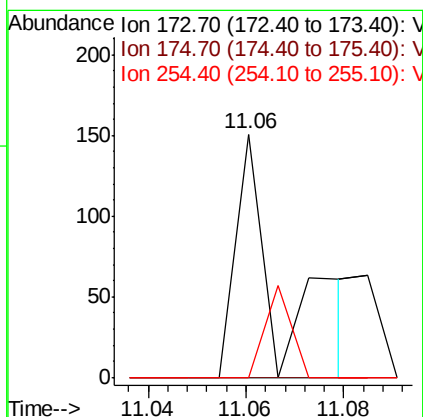
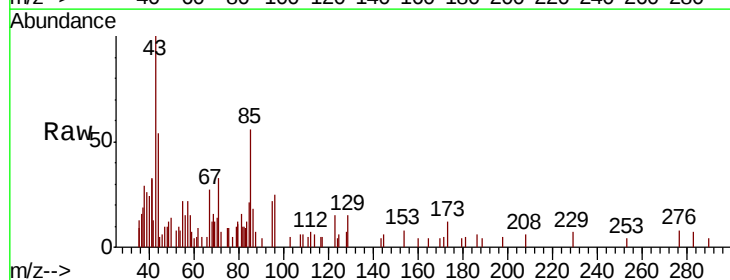
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190110

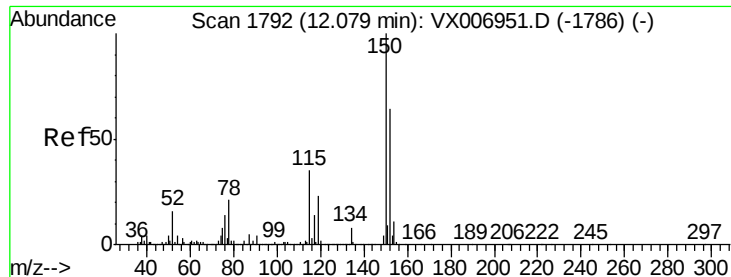
Tgt Ion:112 Resp: 6525
Ion Ratio Lower Upper
112 100
114 30.7 25.7 38.5



#71
Bromoform
Concen: 4.744 ug/l
RT: 11.06 min Scan# 1625
Delta R.T. 0.20 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Tgt Ion:173 Resp: 100
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 21.0 0.2 0.2#



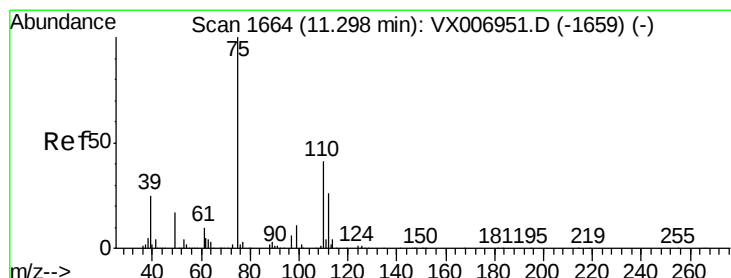
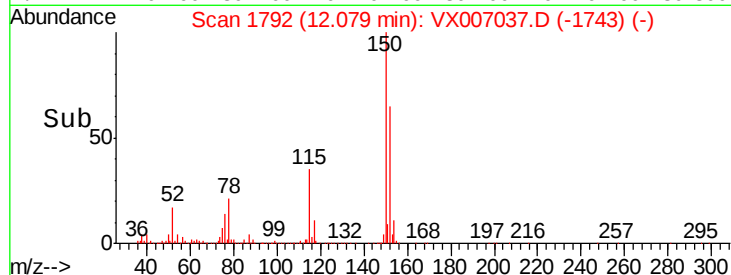
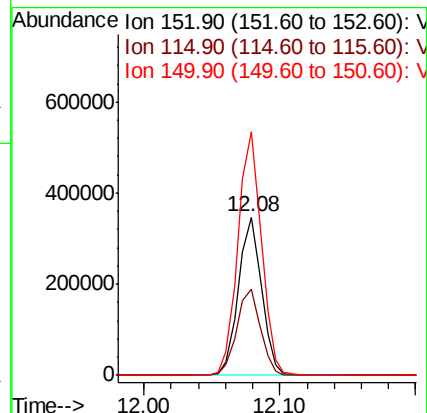
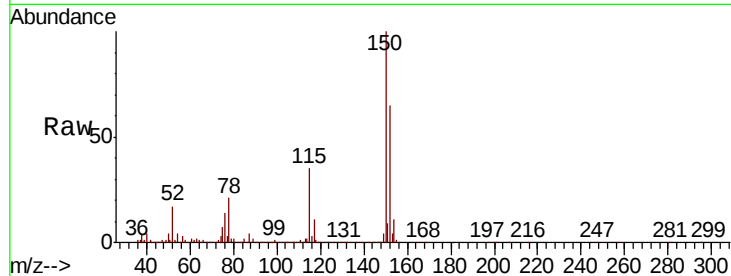


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190110

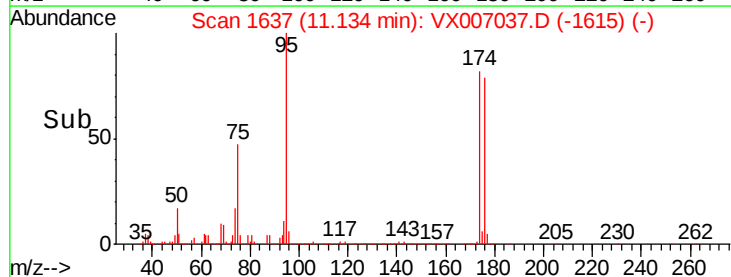
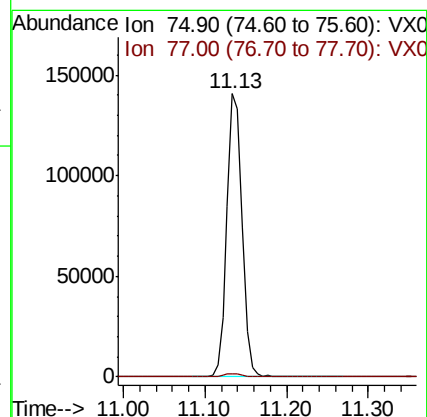
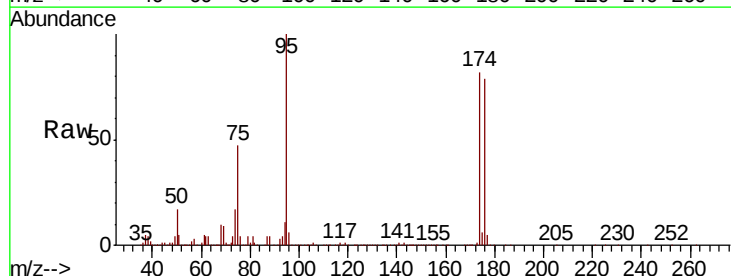
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	39.1	117.2
150	155.3	0.0	344.8

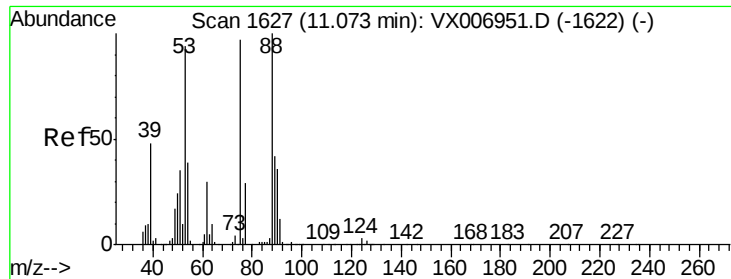


#76

1,2,3-Trichloropropane
Concen: 21.888 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.5	55.5#

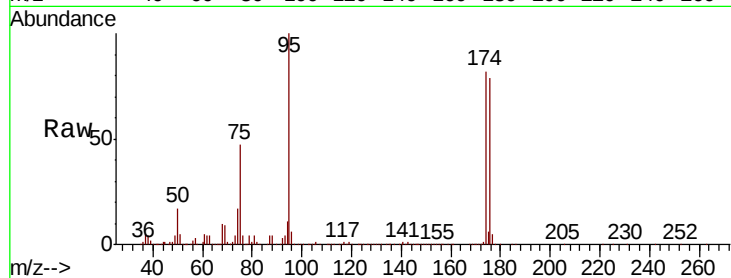




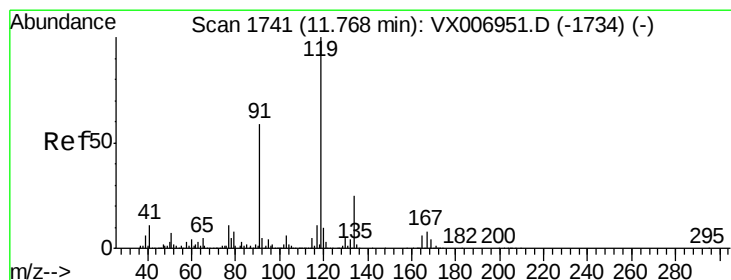
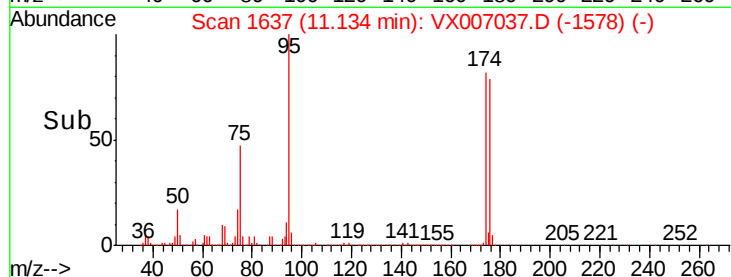
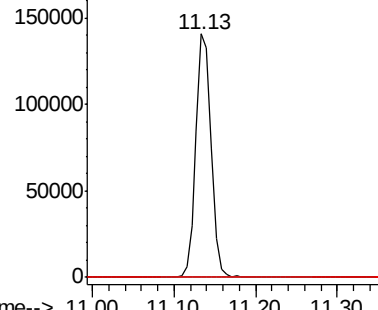
#81
trans-1,4-Dichloro-2-butene
Concen: 64.841 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190110

Tgt Ion: 75 Resp: 183883
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.1 38.0 57.0#

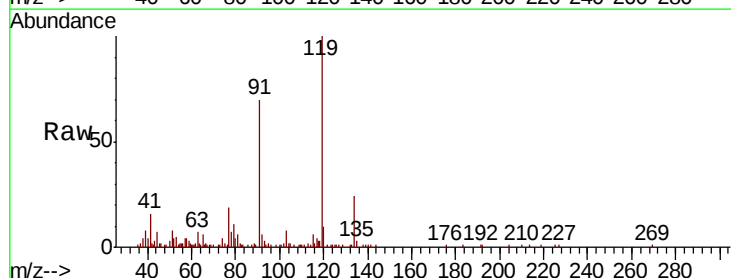


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

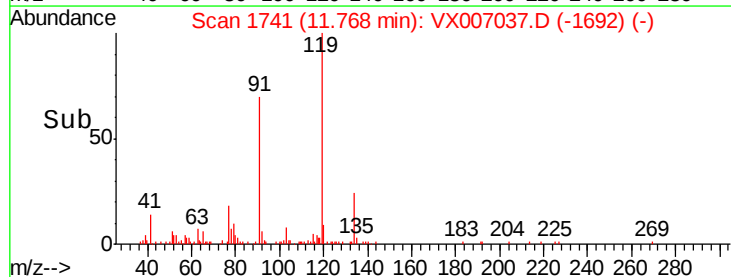
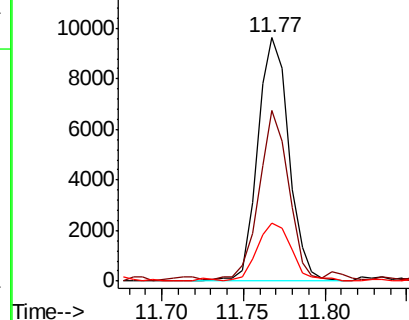


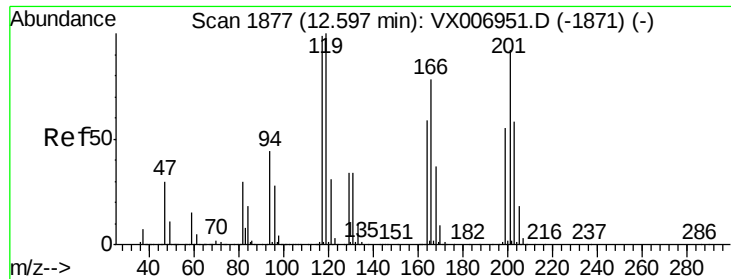
#83
tert-Butylbenzene
Concen: 0.528 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007037.D
Acq: 14 Jan 2019 14:16

Tgt Ion: 119 Resp: 12874
Ion Ratio Lower Upper
119 100
91 67.6 27.7 83.1
134 26.3 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.956 ug/l

RT: 12.66 min Scan# 1887

Delta R.T. 0.06 min

Lab File: VX007037.D

Acq: 14 Jan 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190110

Tgt Ion:117 Resp: 210

Ion Ratio Lower Upper

117 100

201 9.0 42.9 128.7#

