

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011419\
 Data File : VX007035.D
 Acq On : 14 Jan 2019 13:23
 Operator : JC/SP
 Sample : K1133-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-190110

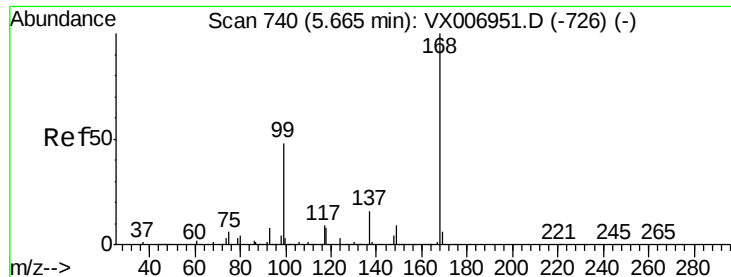
Quant Time: Jan 15 01:33:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	596446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	912715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	864045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	423600	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	317590	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	5.50	113	282788	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	1094483	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.13	95	398415	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1945	0.297	ug/l	86
11) Tert butyl alcohol	3.07	59	432	0.294	ug/l #	72
13) Acrolein	2.29	56	220	3.427	ug/l #	1
16) Acetone	2.45	43	2355	0.764	ug/l	95
18) Methyl Acetate	2.78	43	1794	0.201	ug/l	99
20) Methylene Chloride	2.86	84	1074	Below Cal	#	64
27) cis-1,2-Dichloroethene	4.59	96	2393	0.355	ug/l	93
31) Cyclohexane	5.66	56	10704	1.218	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	38135	4.806	ug/l #	48
38) Carbon Tetrachloride	5.66	117	53038	6.643	ug/l #	15
49) 1,4-Dioxane	7.75	88	236	Below Cal	#	20
71) Bromoform	10.85	173	114	4.746	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	188800	21.994	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	188800	65.137	ug/l #	10
90) Hexachloroethane	12.69	117	39	2.917	ug/l	60

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

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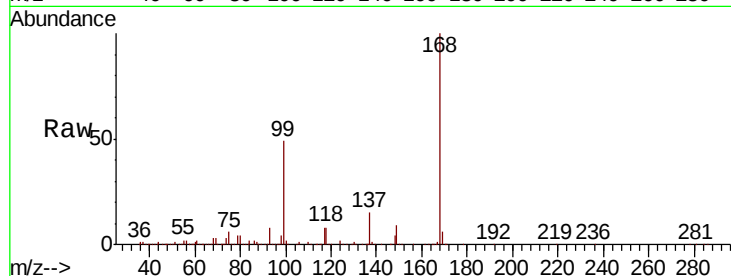
SS032MW061-190110

Tgt Ion:168 Resp: 596446

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

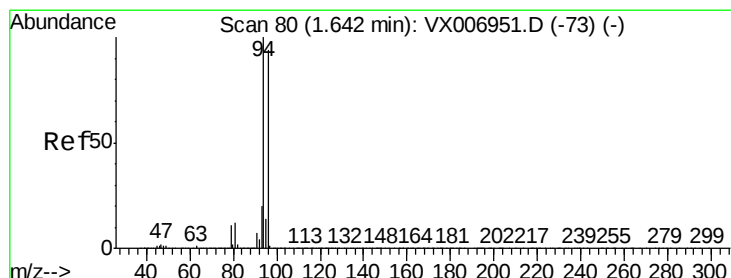
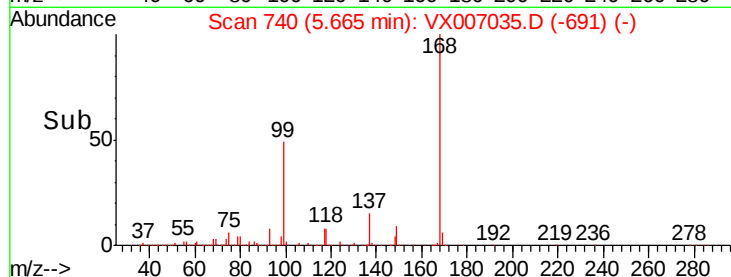
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.297 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007035.D

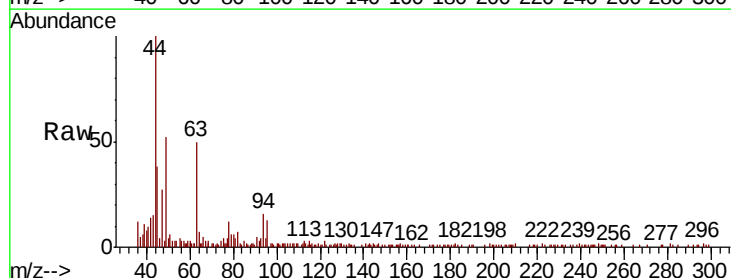
Acq: 14 Jan 2019 13:23

Tgt Ion: 94 Resp: 1945

Ion Ratio Lower Upper

94 100

96 78.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

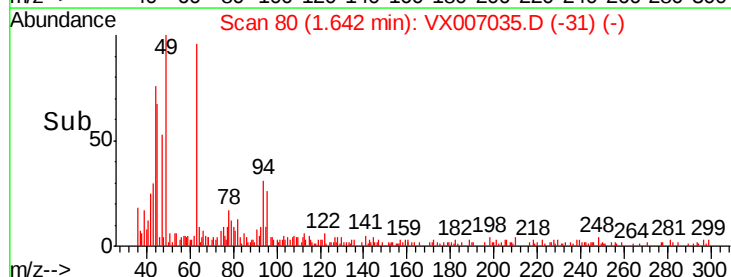
1000

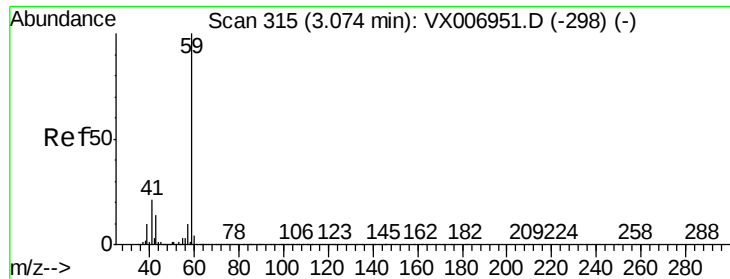
500

0

1.60 1.65 1.70

Time-->



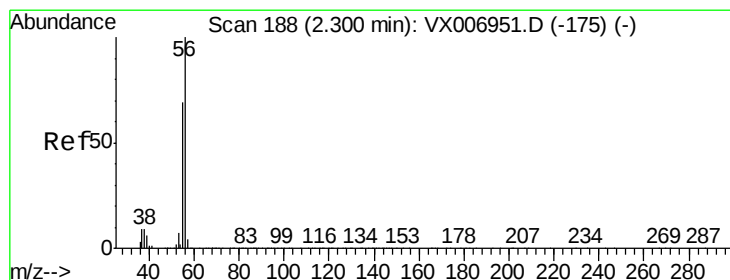
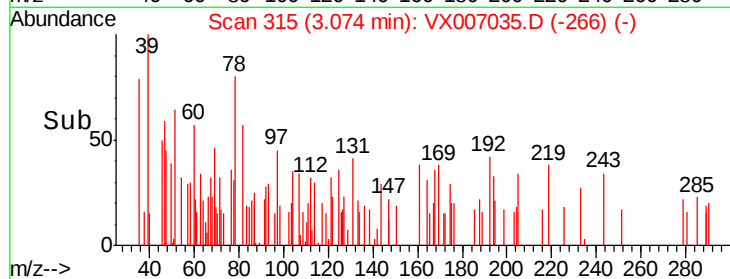
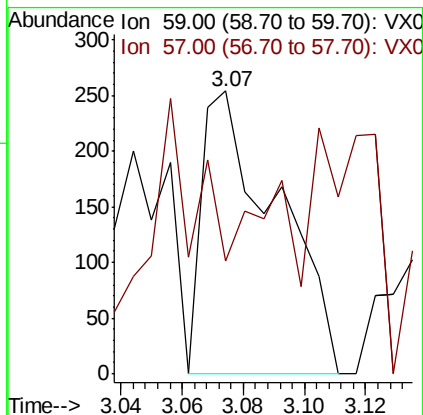
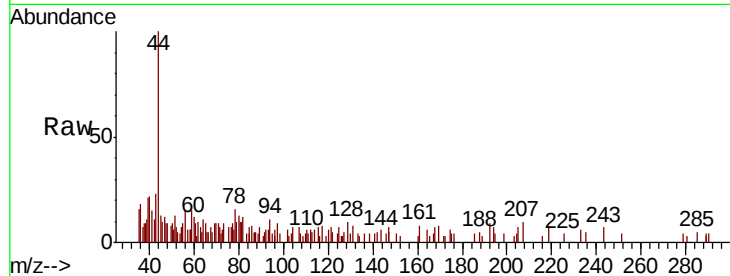


#11

Tert butyl alcohol
 Concen: 0.294 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX007035.D
 Acq: 14 Jan 2019 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-190110

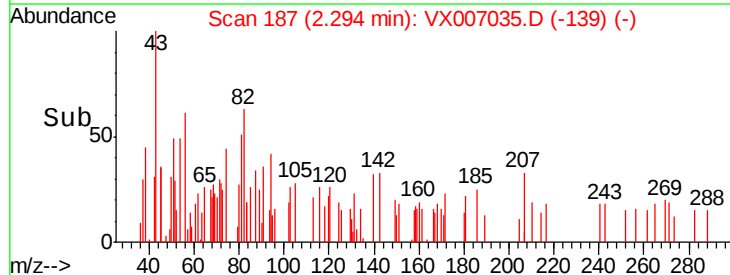
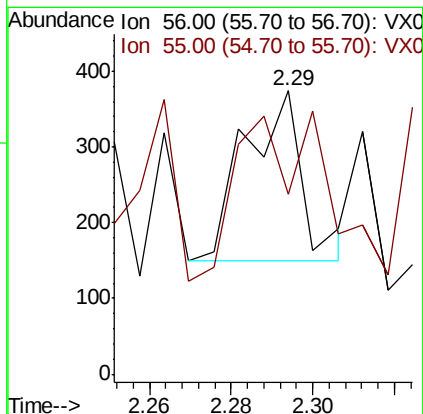
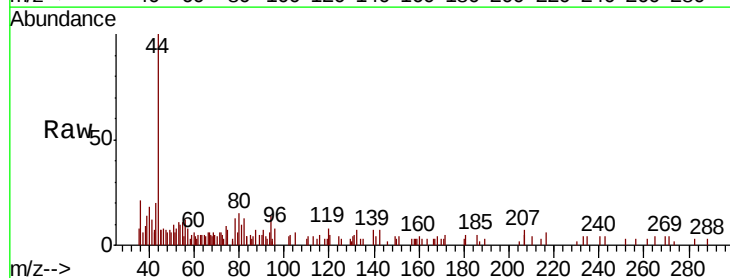
Tgt Ion: 59 Resp: 432
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

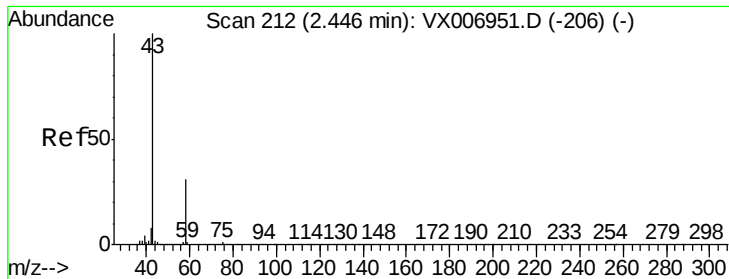


#13

Acrolein
 Concen: 3.427 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX007035.D
 Acq: 14 Jan 2019 13:23

Tgt Ion: 56 Resp: 220
 Ion Ratio Lower Upper
 56 100
 55 170.9 58.2 87.4#

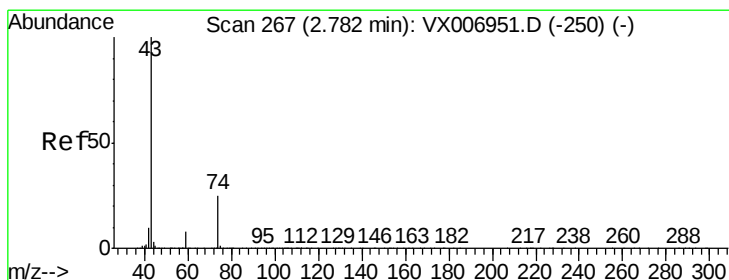
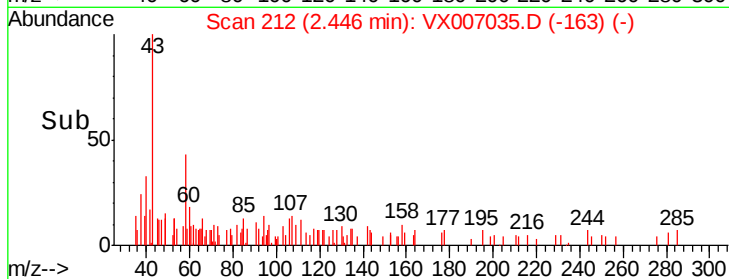
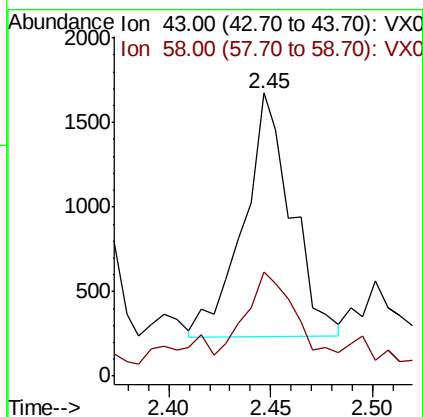
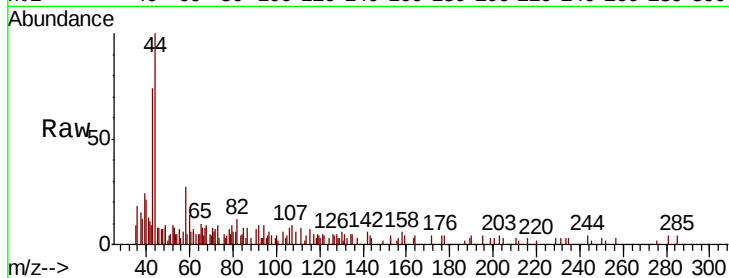




#16
Acetone
Concen: 0.764 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007035.D
Acq: 14 Jan 2019 13:23

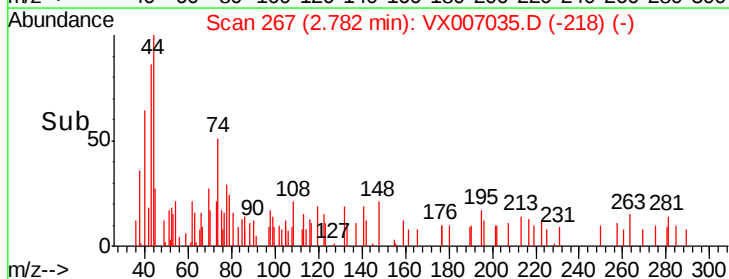
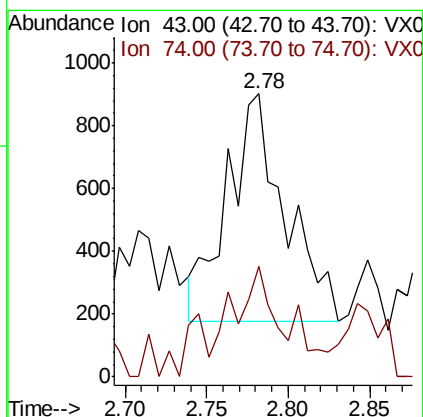
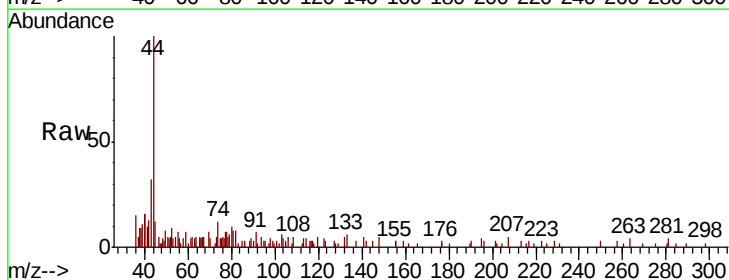
Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-190110

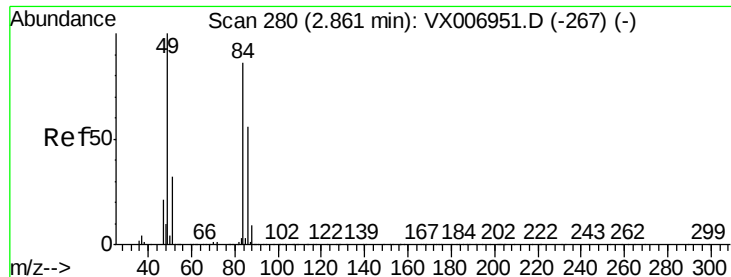
Tgt Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
58 33.9 25.0 37.6



#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007035.D
Acq: 14 Jan 2019 13:23

Tgt Ion: 43 Resp: 1794
Ion Ratio Lower Upper
43 100
74 24.0 18.6 28.0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-190110

Tgt Ion: 84 Resp: 1074

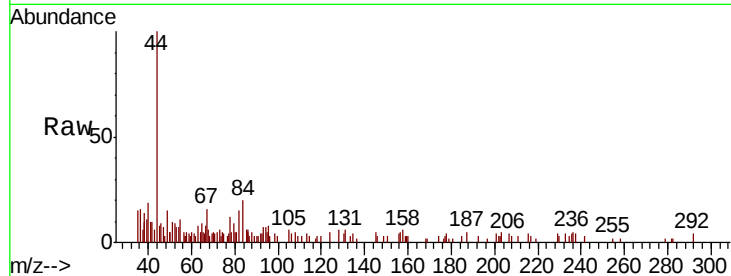
Ion Ratio Lower Upper

84 100

49 61.5 91.8 137.6#

51 10.9 28.5 42.7#

86 56.0 50.2 75.2

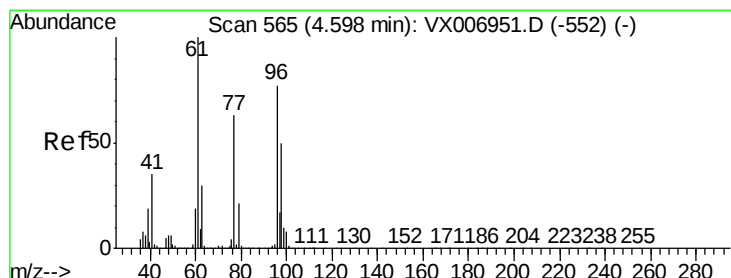
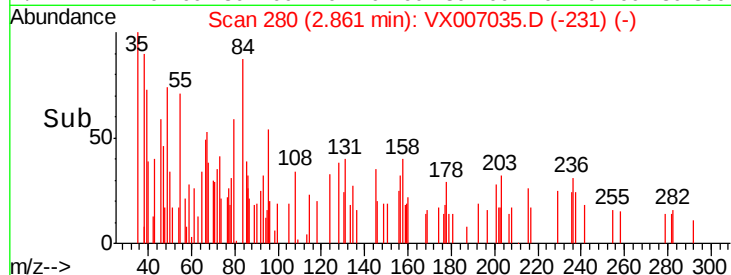
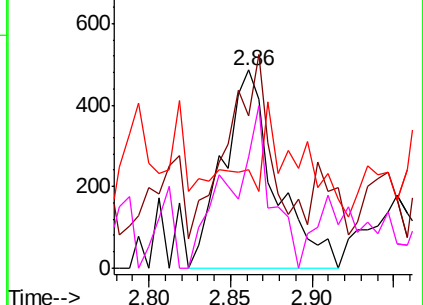


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#27

cis-1,2-Dichloroethene

Concen: 0.355 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

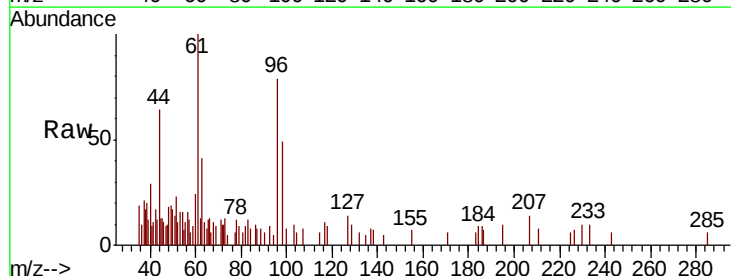
Tgt Ion: 96 Resp: 2393

Ion Ratio Lower Upper

96 100

61 119.5 0.0 258.6

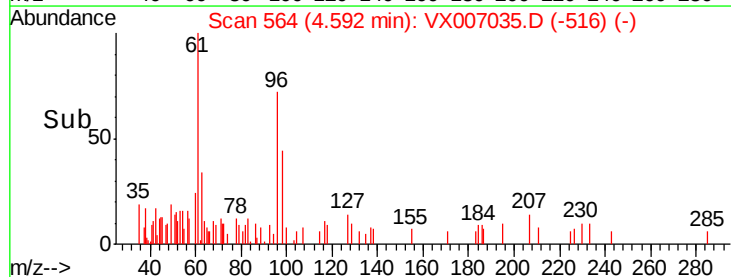
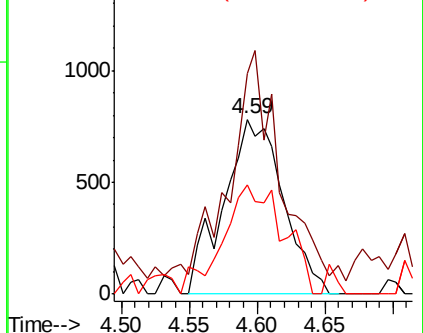
98 63.5 0.0 132.0

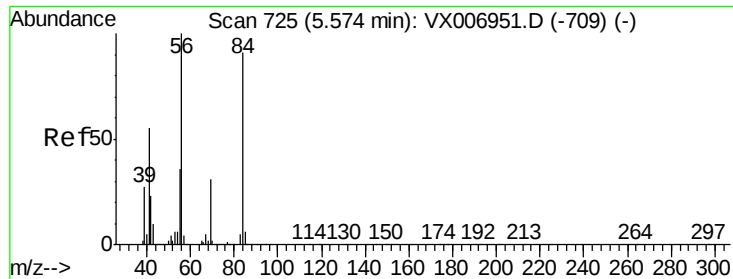


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

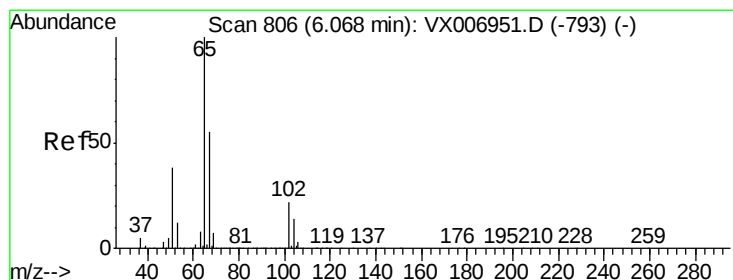
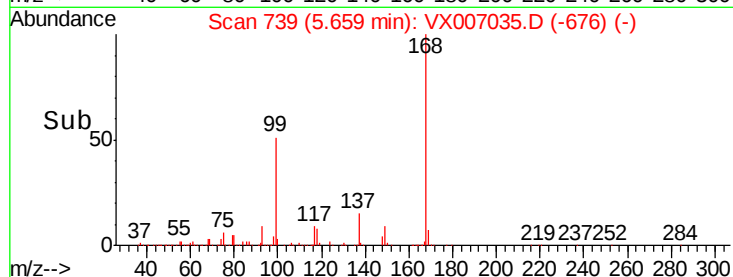
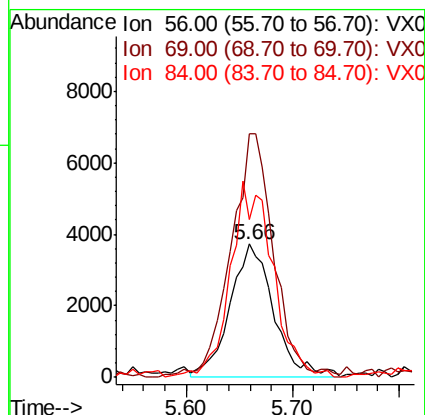
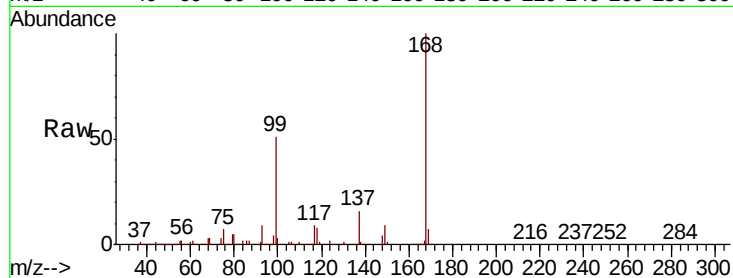




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007035.D
Acq: 14 Jan 2019 13:23

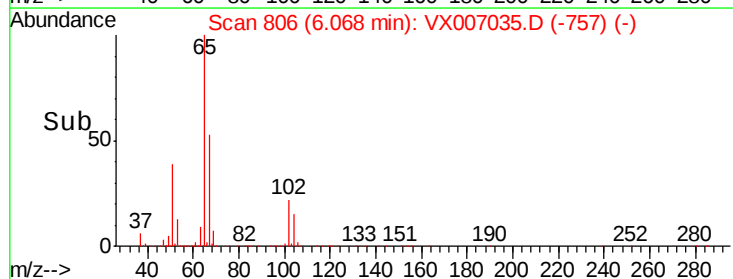
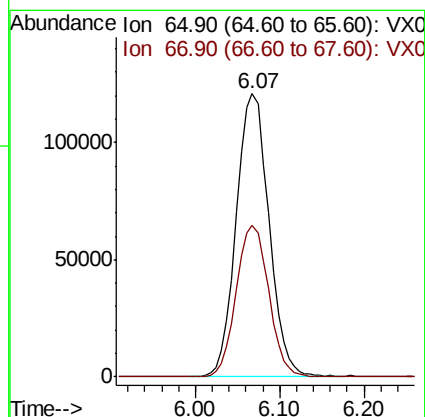
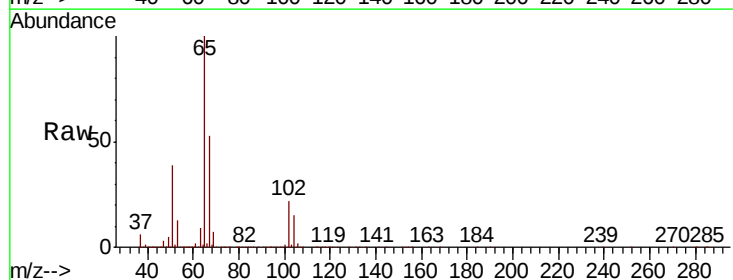
Instrument :
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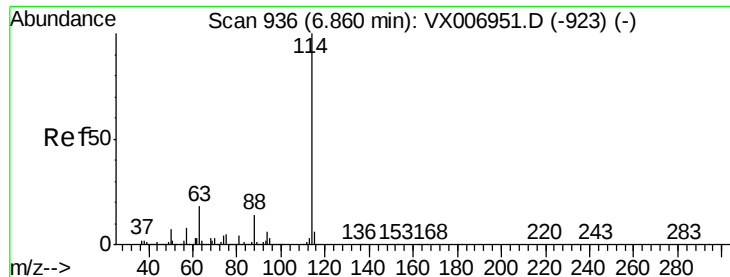
Tgt Ion: 56 Resp: 10704
Ion Ratio Lower Upper
56 100
69 179.8 24.4 36.6#
84 118.3 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 50.950 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007035.D
Acq: 14 Jan 2019 13:23

Tgt Ion: 65 Resp: 317590
Ion Ratio Lower Upper
65 100
67 53.2 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: VX007035.D

Acq: 14 Jan 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-190110

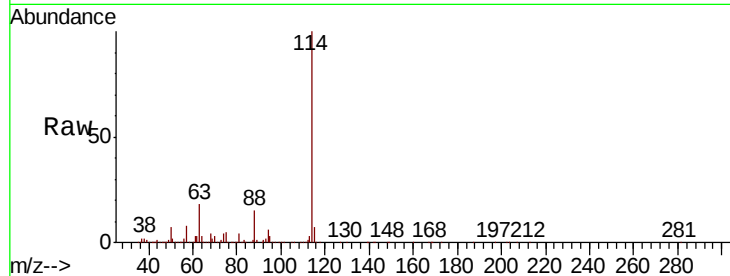
Tgt Ion:114 Resp: 912715

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

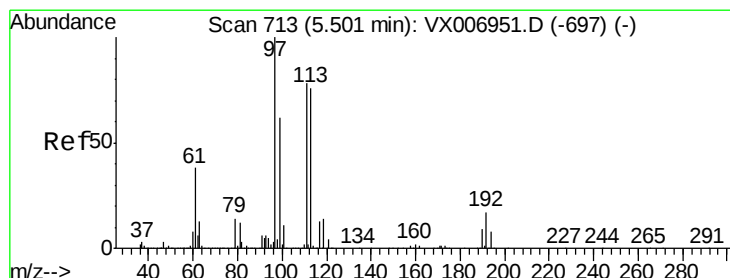
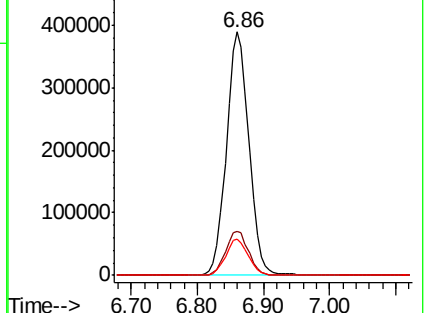
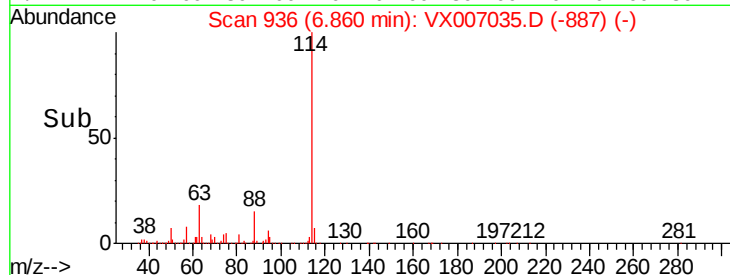
88 15.1 0.0 28.8



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: 48.381 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

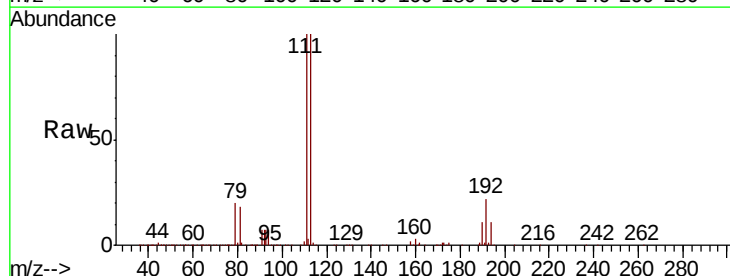
Tgt Ion:113 Resp: 282788

Ion Ratio Lower Upper

113 100

111 100.6 81.6 122.4

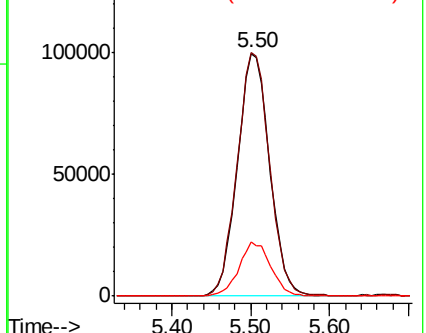
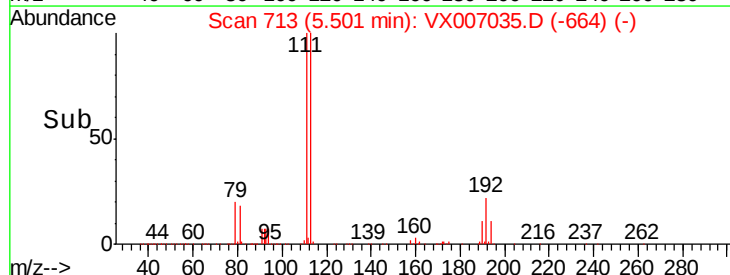
192 22.0 16.7 25.1

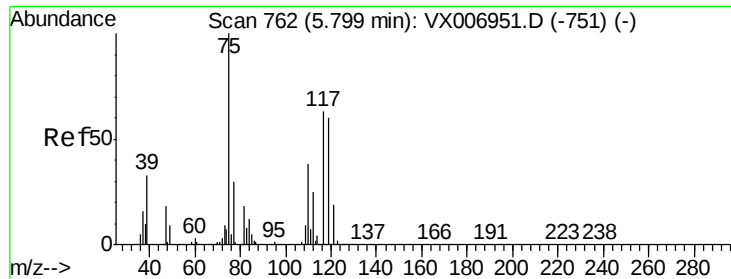


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

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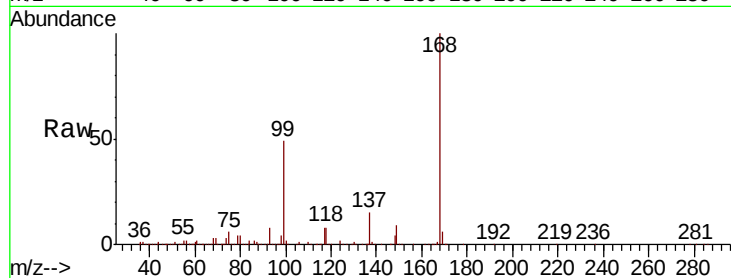
Tgt Ion: 75 Resp: 38135

Ion Ratio Lower Upper

75 100

110 10.1 20.2 60.5#

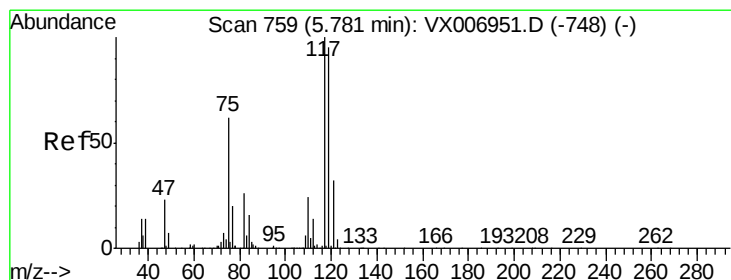
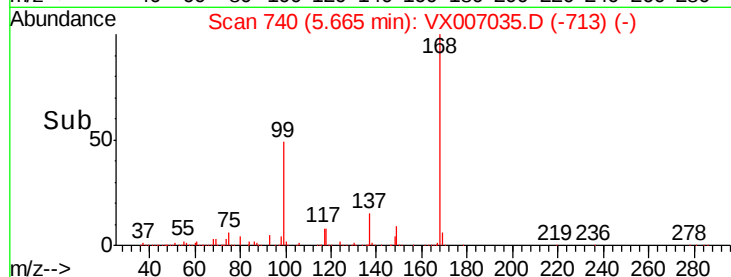
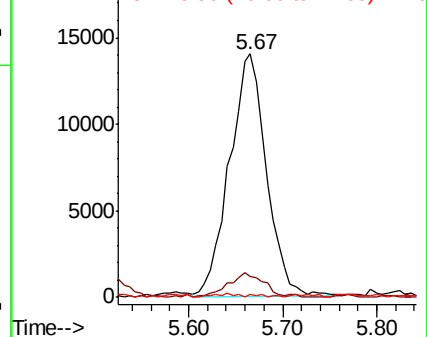
77 0.4 24.8 37.2#



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: 6.643 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

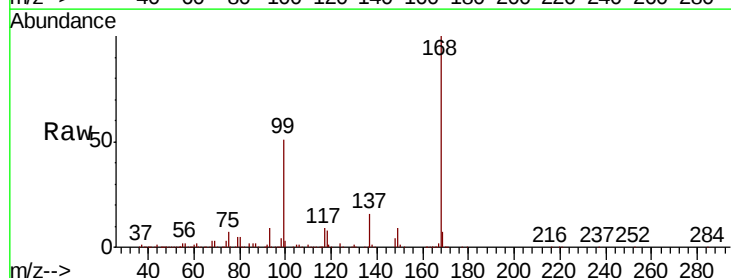
Tgt Ion: 117 Resp: 53038

Ion Ratio Lower Upper

117 100

119 6.0 79.4 119.2#

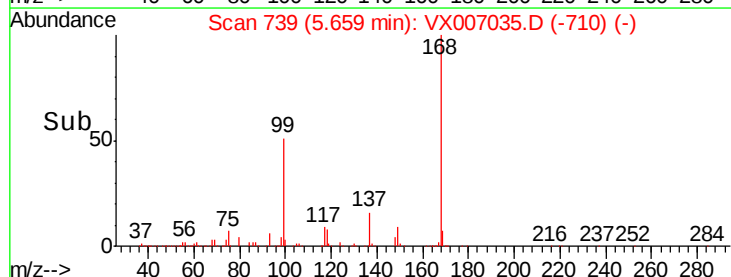
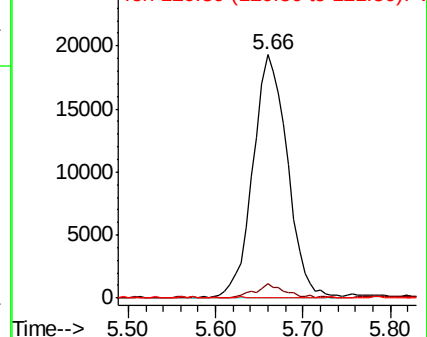
121 0.0 24.0 36.0#

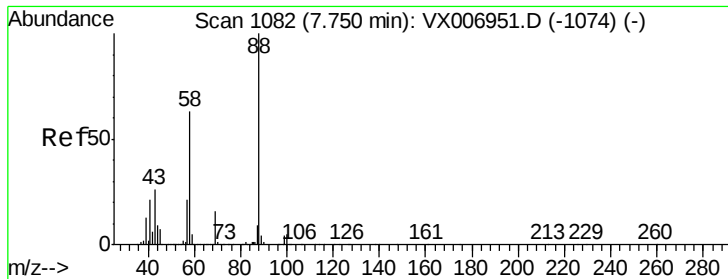


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-190110

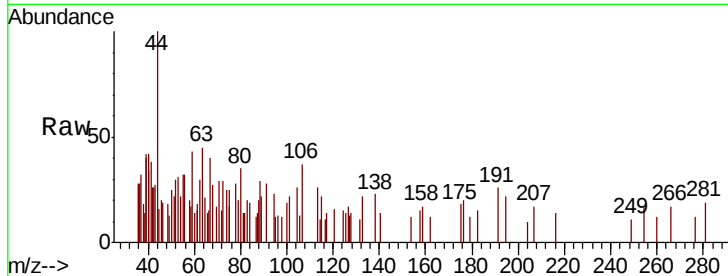
Tgt Ion: 88 Resp: 236

Ion Ratio Lower Upper

88 100

43 157.6 22.2 33.4#

58 69.5 51.0 76.4

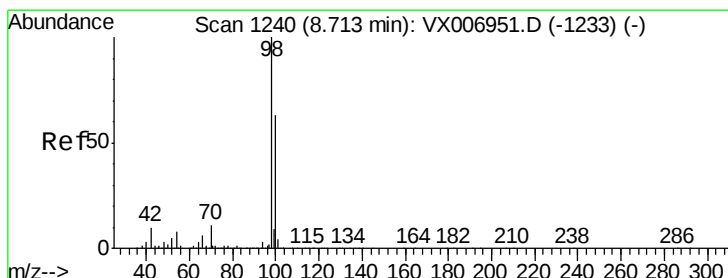
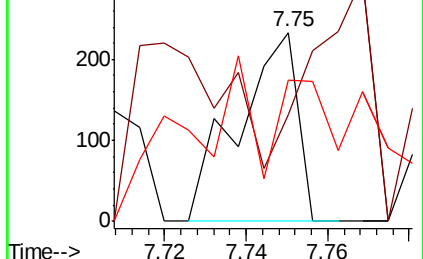
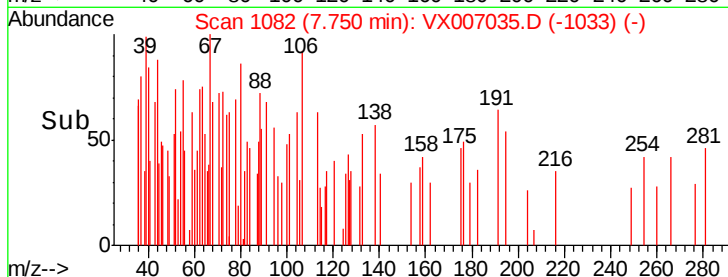


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50

Toluene-d8

Concen: 51.157 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007035.D

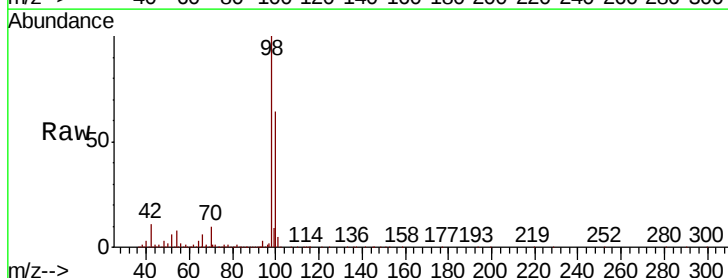
Acq: 14 Jan 2019 13:23

Tgt Ion: 98 Resp: 1094483

Ion Ratio Lower Upper

98 100

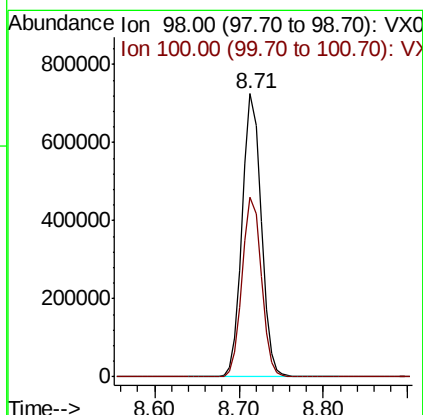
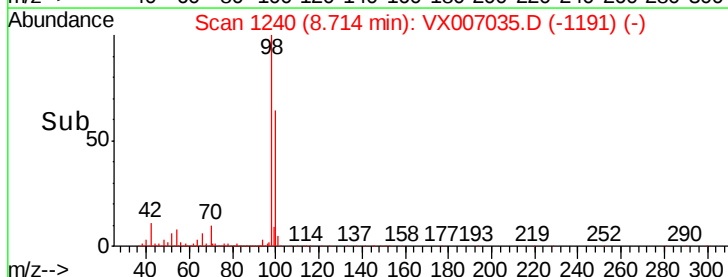
100 64.2 52.0 78.0

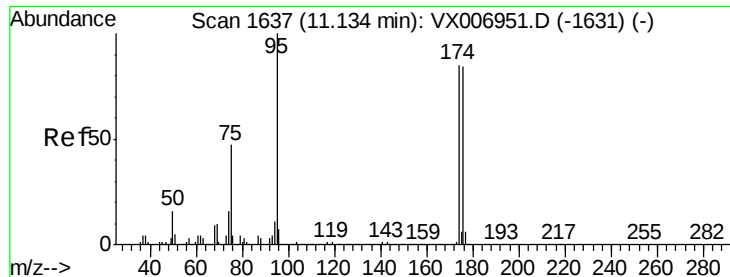


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

Time-->





#62

4-Bromofluorobenzene

Concen: 53.417 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-190110

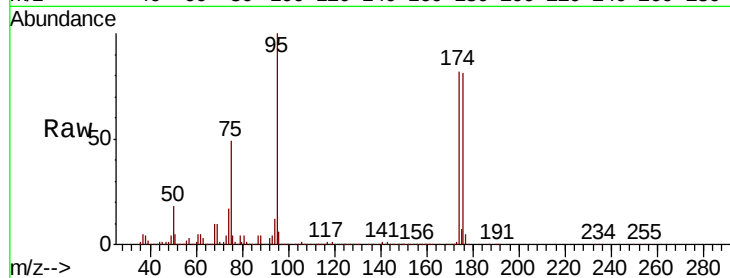
Tgt Ion: 95 Resp: 398415

Ion Ratio Lower Upper

95 100

174 92.5 0.0 182.2

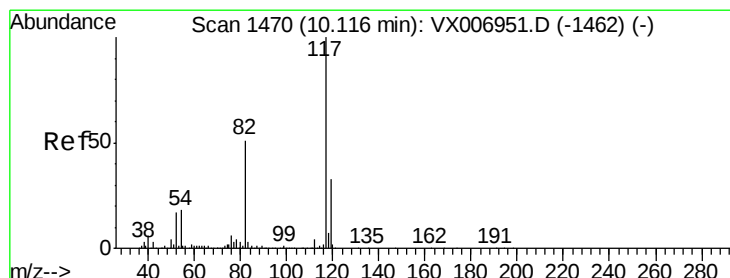
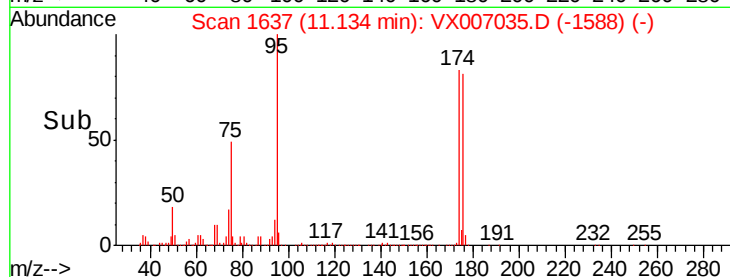
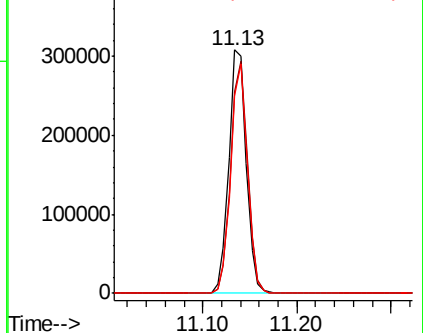
176 90.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

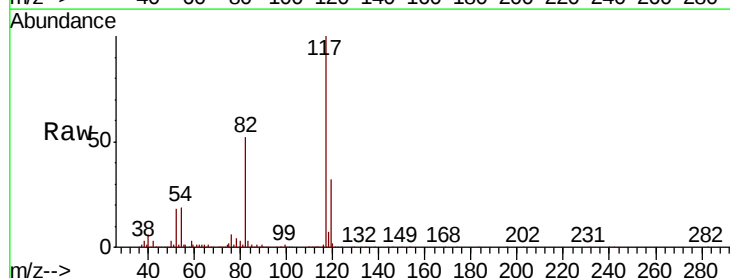
Tgt Ion: 117 Resp: 864045

Ion Ratio Lower Upper

117 100

82 52.1 41.0 61.6

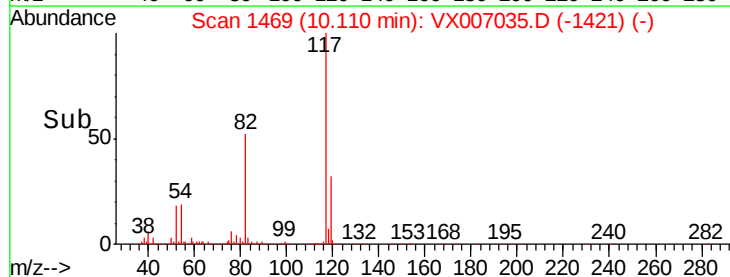
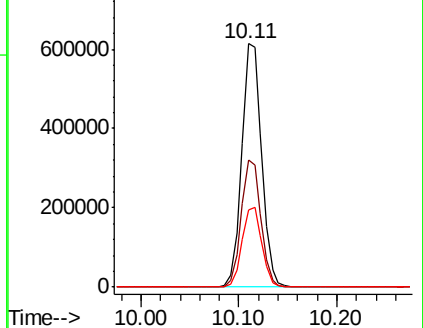
119 31.7 25.4 38.0

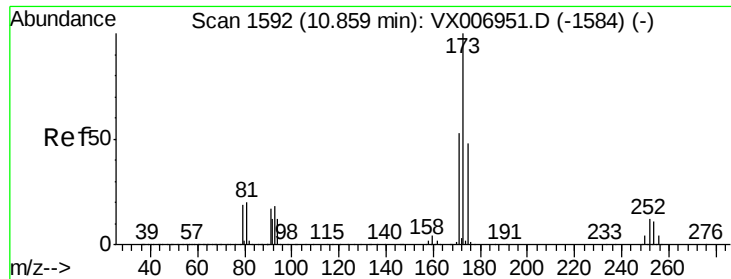


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)

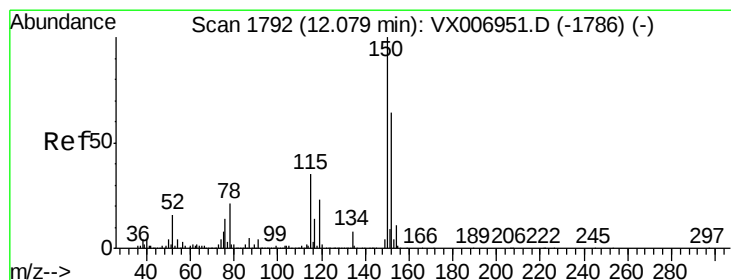
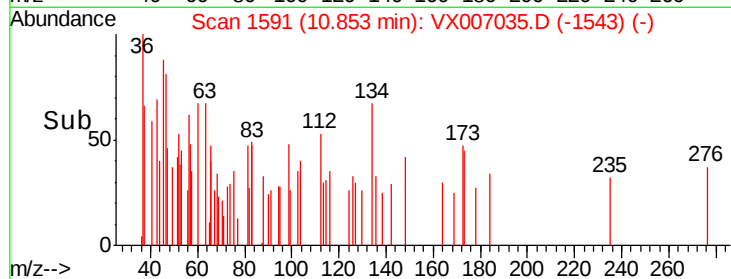
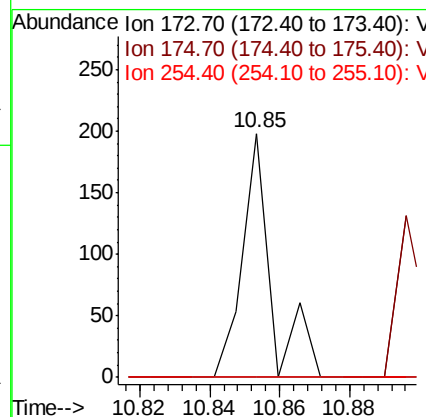
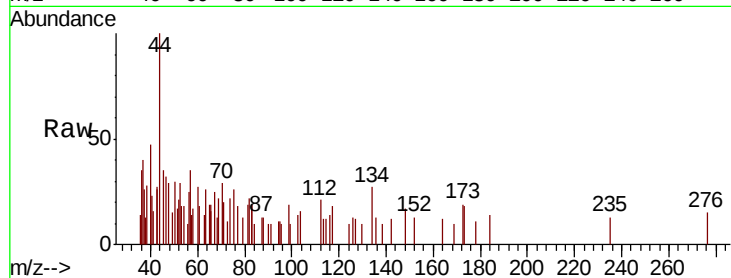




#71
Bromoform
Concen: 4.746 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007035.D
Acq: 14 Jan 2019 13:23

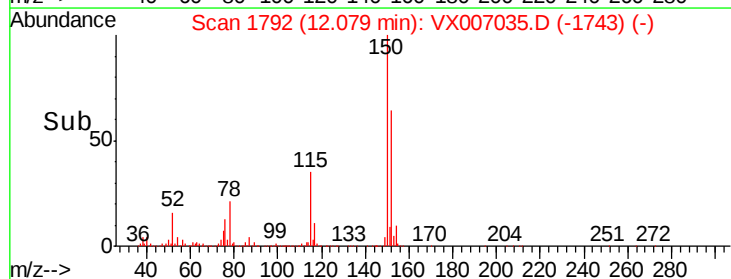
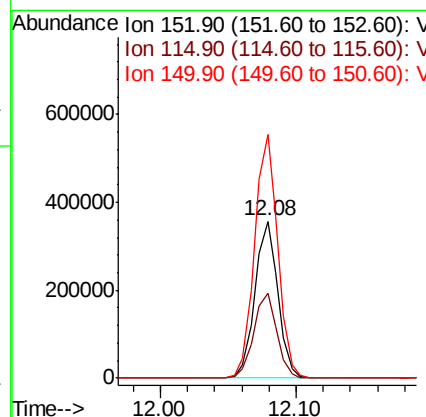
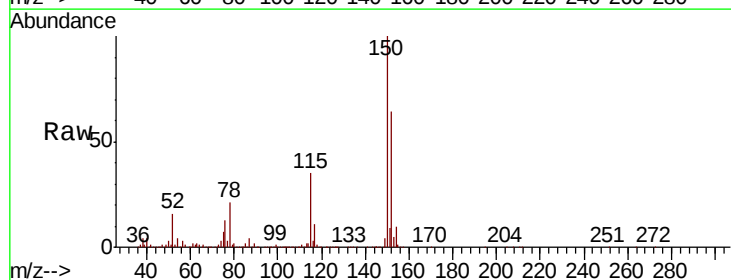
Instrument :
MSVOA_X
ClientSampleId :
SS032MW061-190110

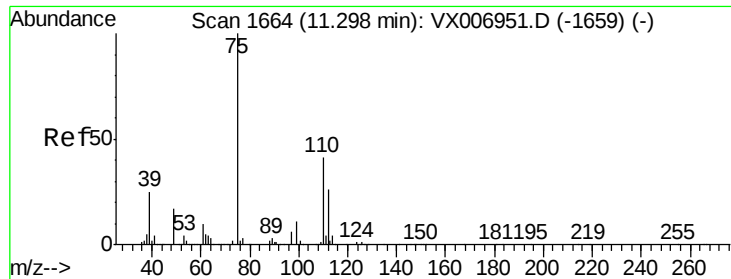
Tgt Ion:173 Resp: 114
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007035.D
Acq: 14 Jan 2019 13:23

Tgt Ion:152 Resp: 423600
Ion Ratio Lower Upper
152 100
115 54.9 39.1 117.2
150 156.5 0.0 344.8

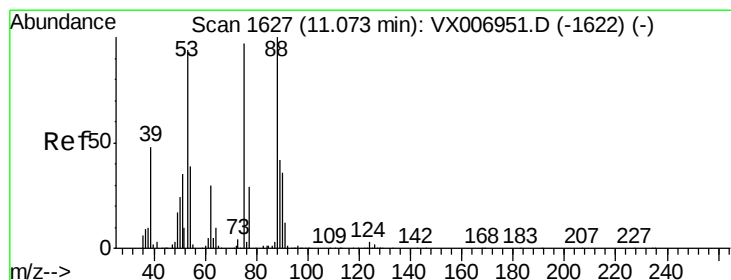
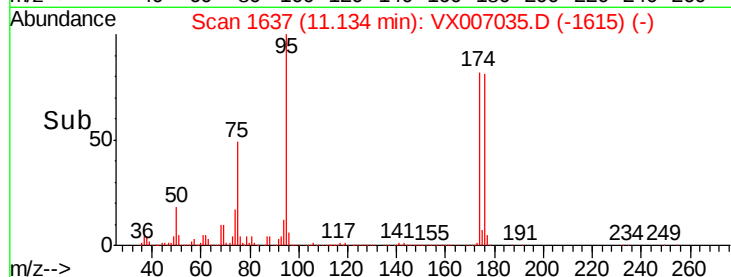
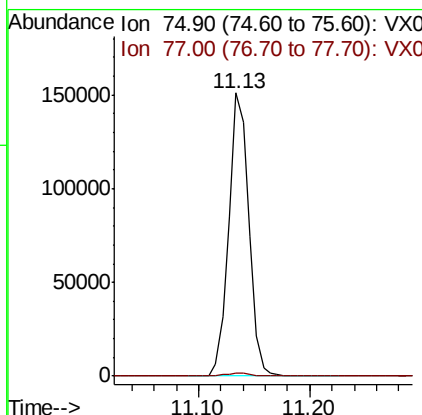
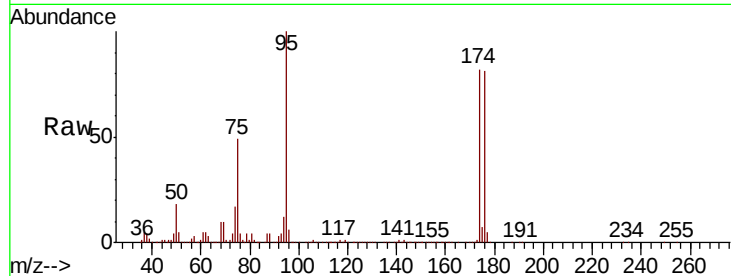




#76
 1,2,3-Trichloropropane
 Concen: 21.994 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007035.D
 Acq: 14 Jan 2019 13:23

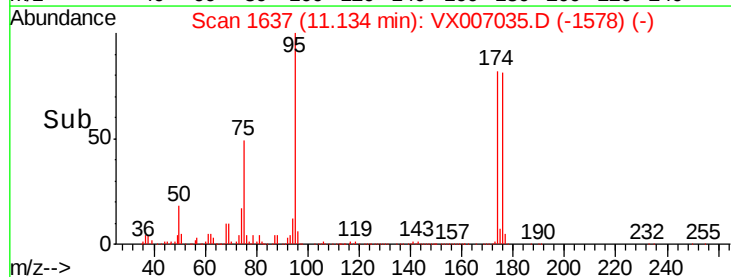
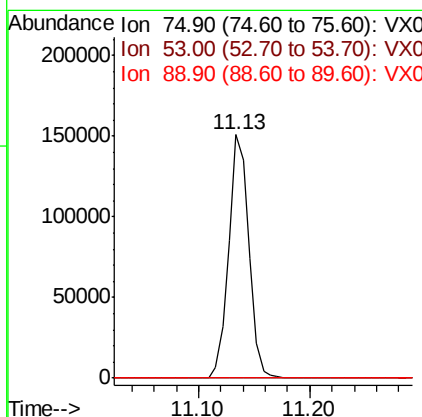
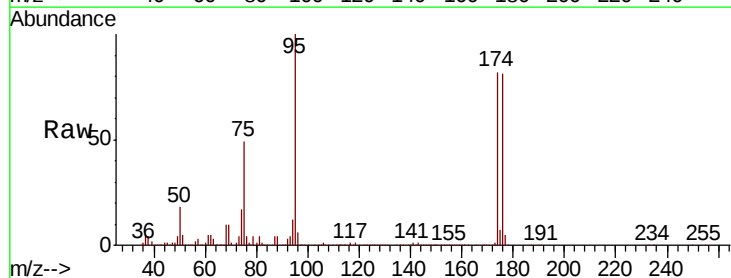
Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW061-190110

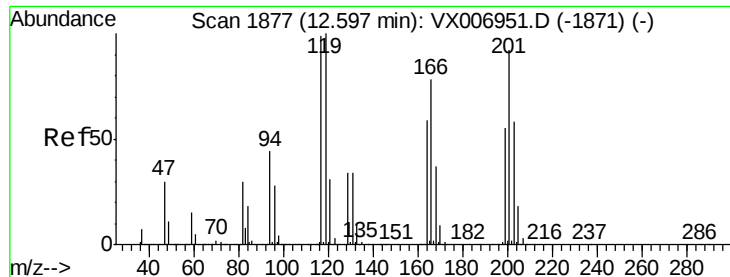
Tgt Ion: 75 Resp: 188800
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.5 55.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.137 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007035.D
 Acq: 14 Jan 2019 13:23

Tgt Ion: 75 Resp: 188800
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.7 119.5#
 89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 2.917 ug/l

RT: 12.69 min Scan# 1892

Delta R.T. 0.09 min

Lab File: VX007035.D

Acq: 14 Jan 2019 13:23

Instrument :

MSVOA_X

ClientSampleId :

SS032MW061-190110

Tgt Ion:117 Resp: 39

Ion Ratio Lower Upper

117 100

201 48.7 42.9 128.7

