

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011519\
 Data File : VX007054.D
 Acq On : 15 Jan 2019 13:20
 Operator : JC/SP
 Sample : K1149-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW002-190114-01

Quant Time: Jan 16 00:03:08 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	5.66	168	578176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	888640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	830083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	407766	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	312557	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
35) Dibromofluoromethane	5.50	113	278562	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	1064876	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.13	95	377250	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	

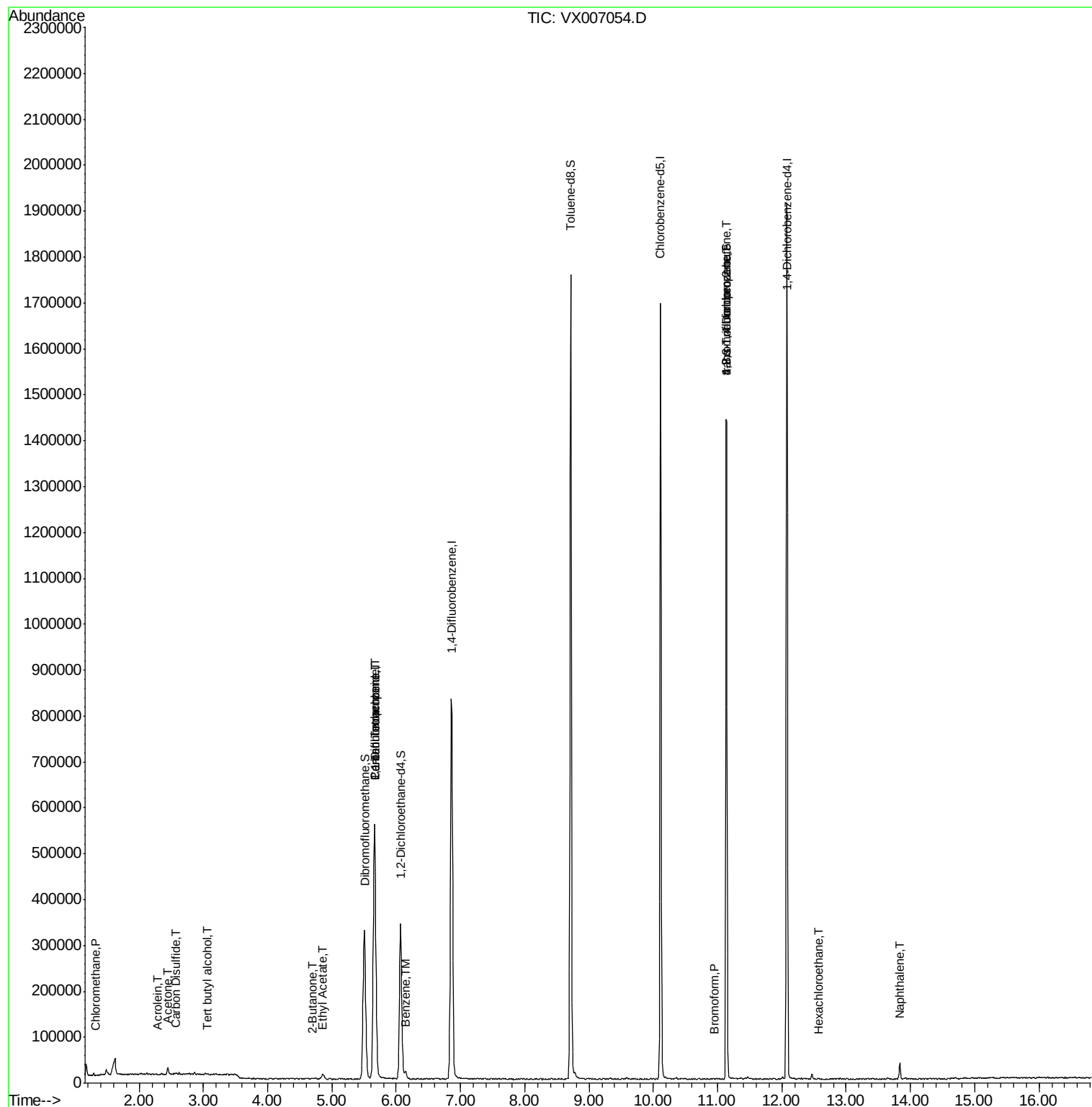
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	1136	0.206	ug/l #	71
11) Tert butyl alcohol	3.06	59	883	0.619	ug/l #	41
13) Acrolein	2.28	56	184	3.380	ug/l	88
16) Acetone	2.45	43	15858	5.309	ug/l	99
17) Carbon Disulfide	2.57	76	3676	0.269	ug/l	96
20) Methylene Chloride	2.86	84	2221	Below Cal	#	69
25) 2-Butanone	4.70	43	2531	0.592	ug/l #	58
36) 1,1-Dichloropropene	5.66	75	36034	4.664	ug/l #	49
37) Ethyl Acetate	4.86	43	18918	2.284	ug/l #	94
38) Carbon Tetrachloride	5.66	117	52184	6.713	ug/l #	15
40) Benzene	6.14	78	18056	0.766	ug/l	95
49) 1,4-Dioxane	7.77	88	425	Below Cal	#	27
71) Bromoform	10.95	173	124	4.748	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	179047	21.668	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	179047	64.227	ug/l #	10
90) Hexachloroethane	12.57	117	84	2.928	ug/l	97
95) Naphthalene	13.83	128	21868	0.744	ug/l	96

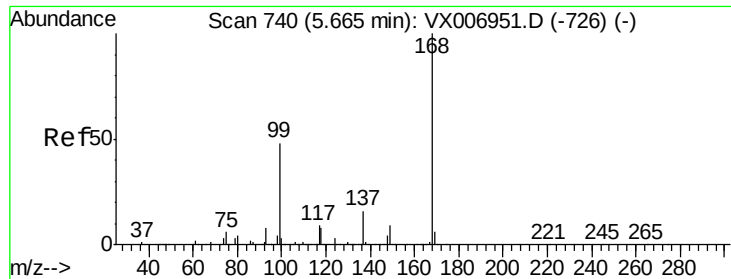
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

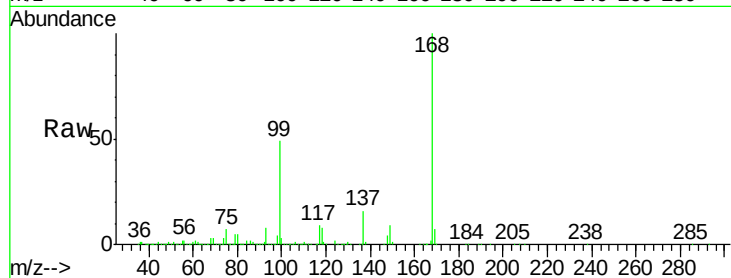
SW002-190114-01

Tot Ion:168 Resp: 578176

Ion Ratio Lower Upper

168 100

99 49.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

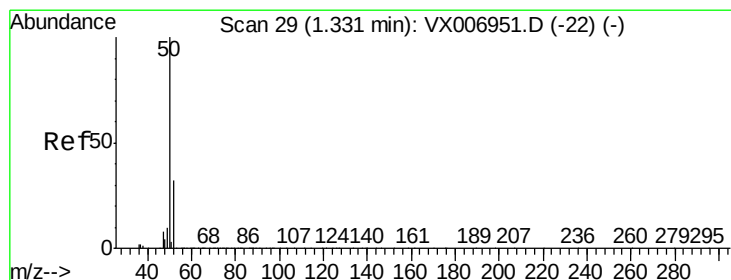
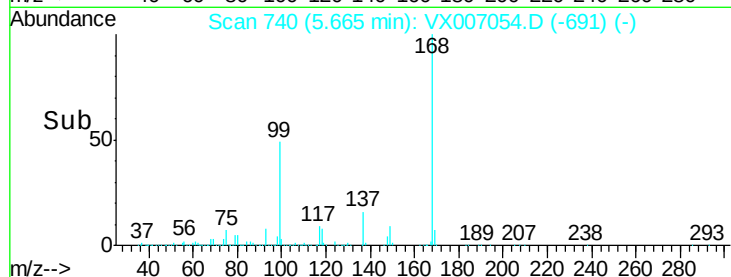
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX007054.D

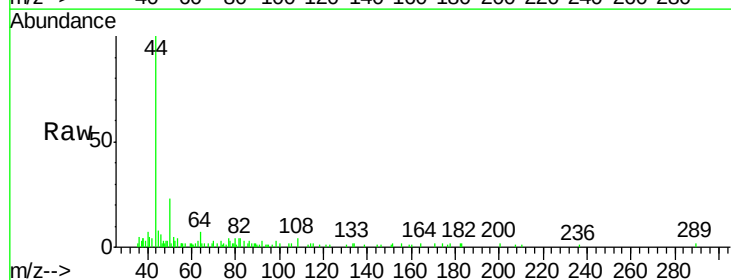
Acq: 15 Jan 2019 13:20

Tgt Ion: 50 Resp: 1136

Ion Ratio Lower Upper

50 100

52 48.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

1200

1000

800

600

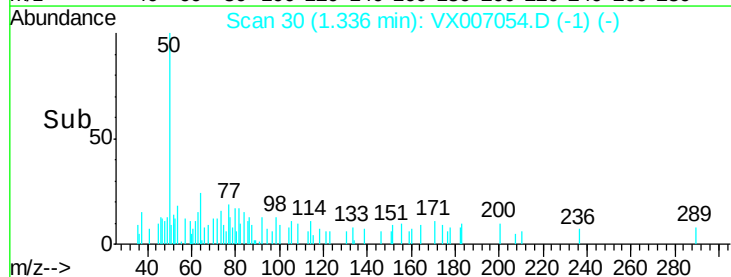
400

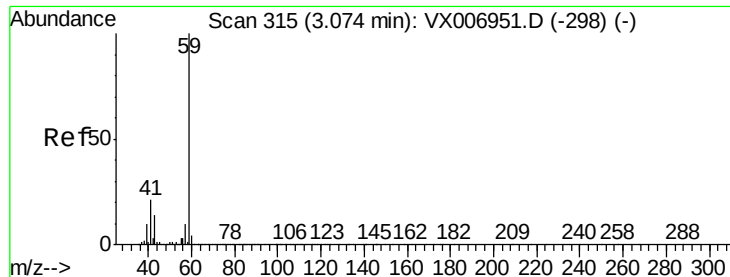
200

0

Time-->

1.30 1.32 1.34 1.36

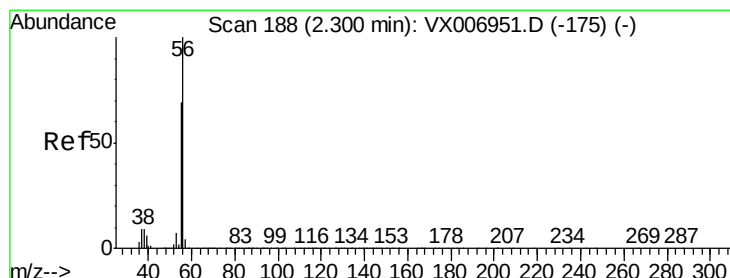
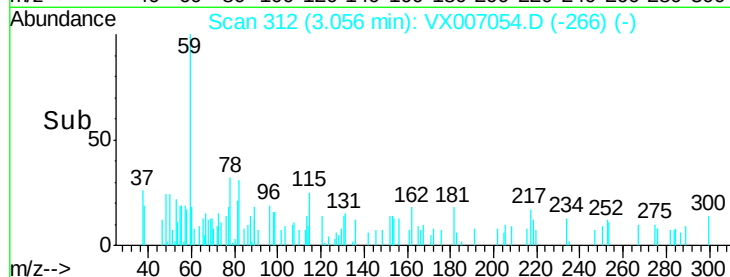
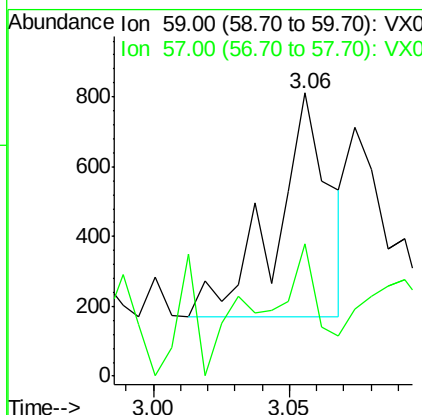
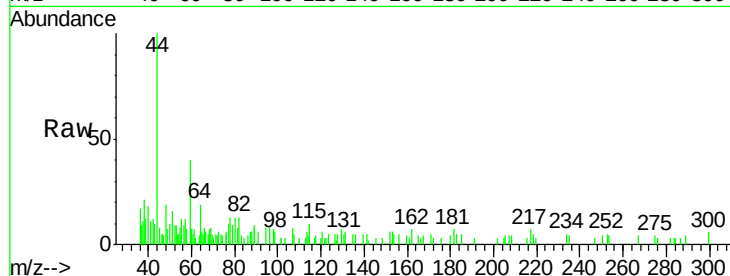




#11
Tert butyl alcohol
Concen: 0.619 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX007054.D
Acq: 15 Jan 2019 13:20

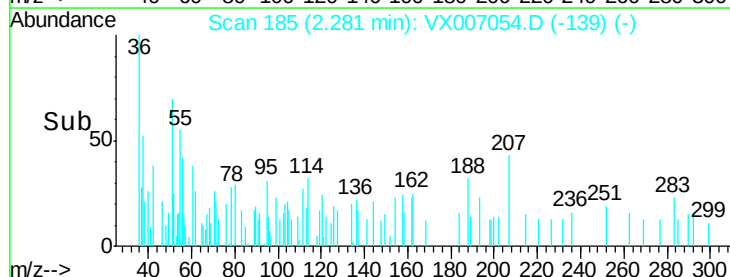
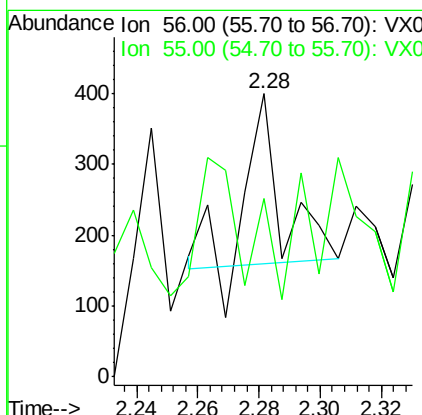
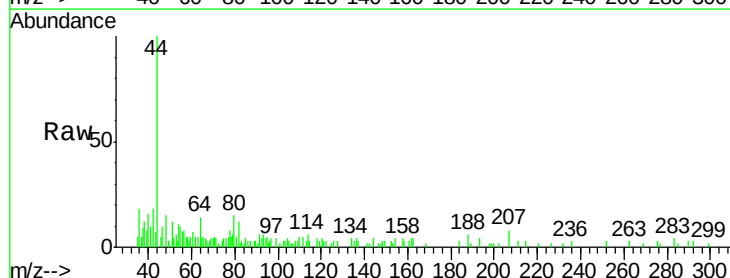
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SW002-190114-01

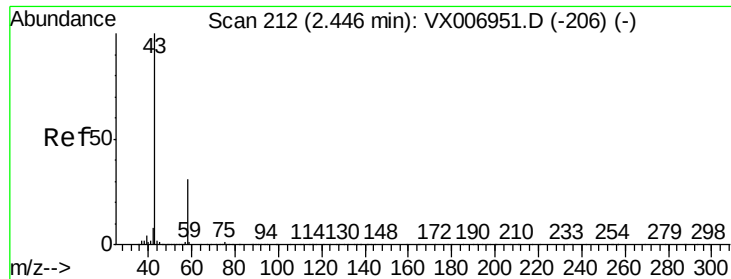
Tot Ion: 59 Resp: 883
Ion Ratio Lower Upper
59 100
57 32.8 8.5 12.7#



#13
Acrolein
Concen: 3.380 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.02 min
Lab File: VX007054.D
Acq: 15 Jan 2019 13:20

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 82.6 58.2 87.4





#16

Acetone

Concen: 5.309 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

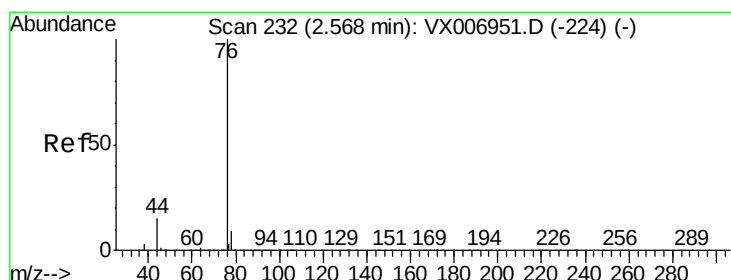
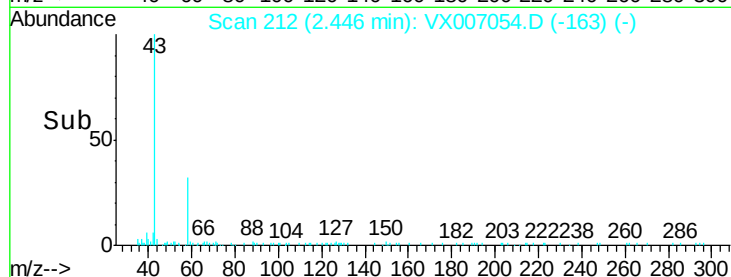
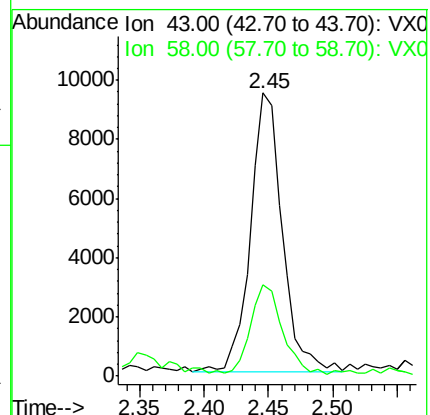
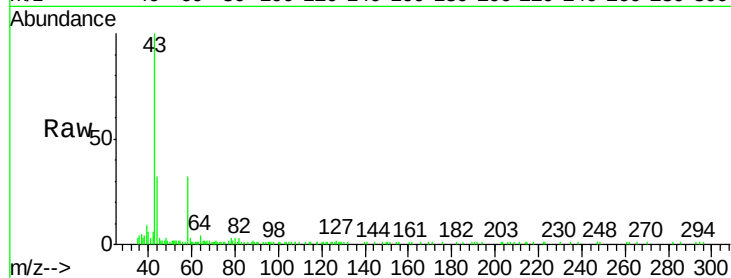
SW002-190114-01

Tot Ion: 43 Resp: 15858

Ion Ratio Lower Upper

43 100

58 31.0 25.0 37.6



#17

Carbon Disulfide

Concen: 0.269 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007054.D

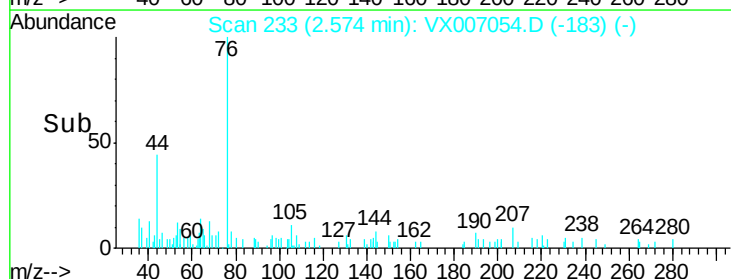
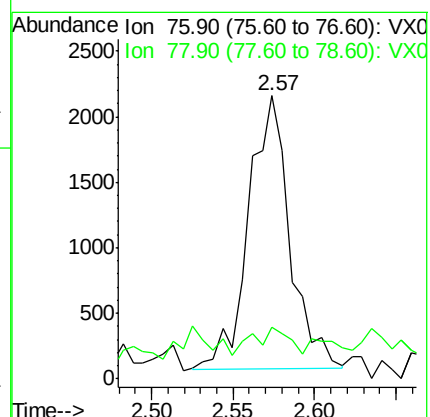
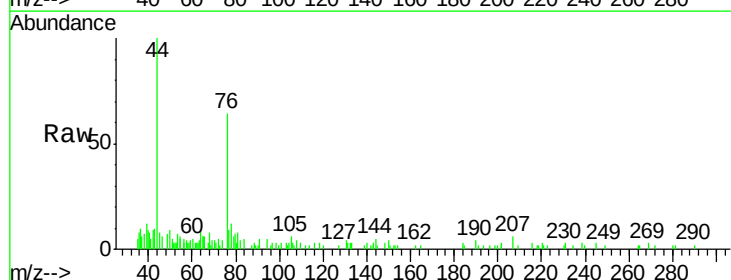
Acq: 15 Jan 2019 13:20

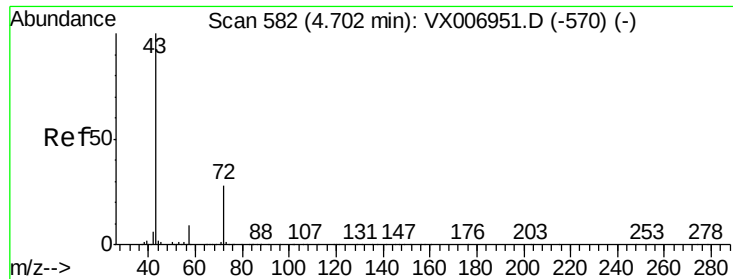
Tgt Ion: 76 Resp: 3676

Ion Ratio Lower Upper

76 100

78 7.5 7.0 10.6

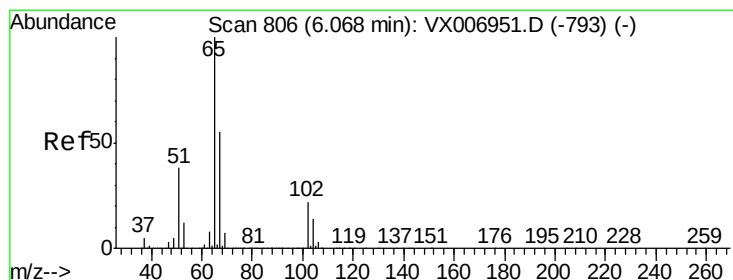
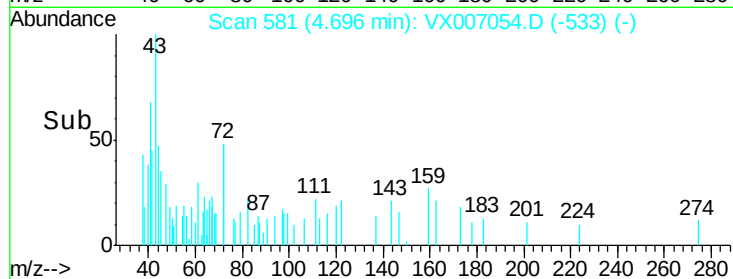
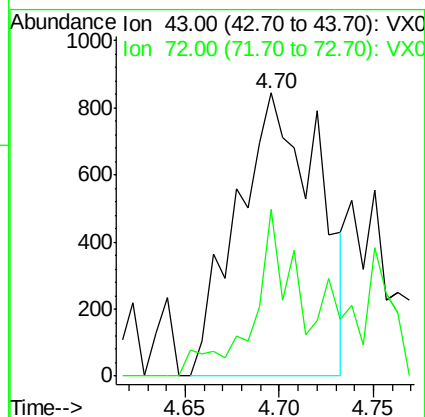
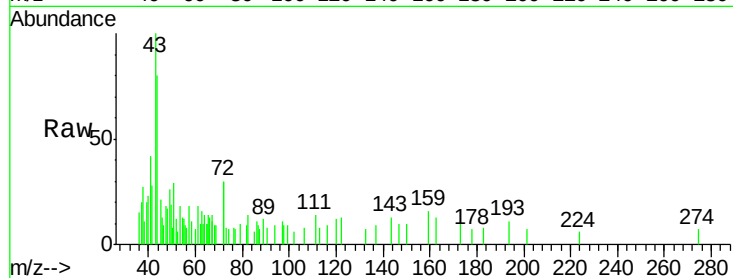




#25
2-Butanone
Concen: 0.592 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX007054.D
Acq: 15 Jan 2019 13:20

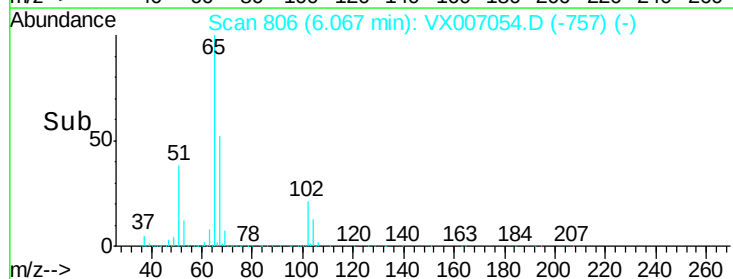
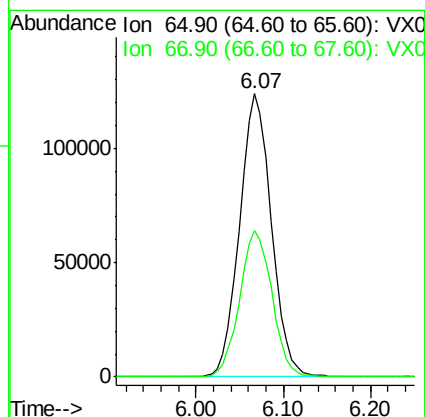
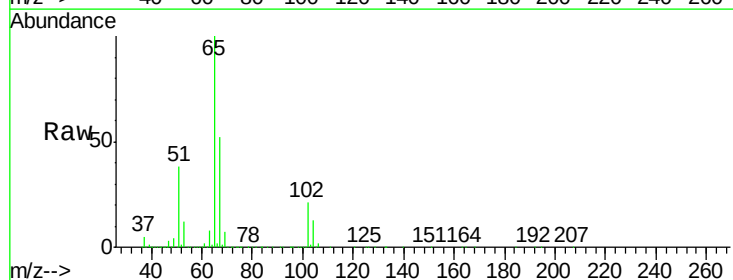
Instrument :
MSVOA_X
ClientSampleId :
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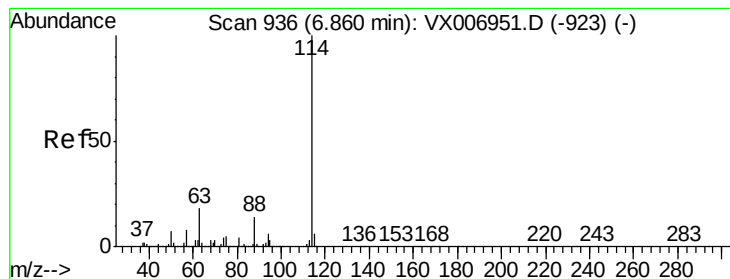
Tot Ion: 43 Resp: 2531
Ion Ratio Lower Upper
43 100
72 49.9 22.4 33.6#



#33
1,2-Dichloroethane-d4
Concen: 51.727 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007054.D
Acq: 15 Jan 2019 13:20

Tgt Ion: 65 Resp: 312557
Ion Ratio Lower Upper
65 100
67 52.8 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: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

SW002-190114-01

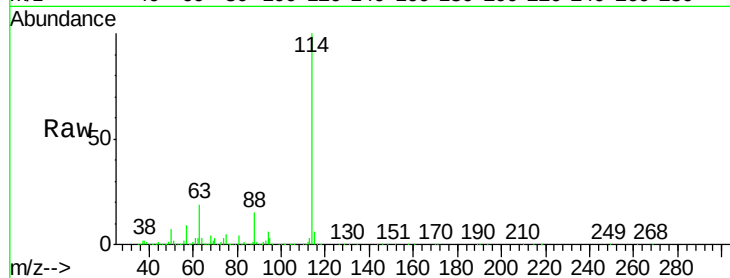
Tot Ion:114 Resp: 888640

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

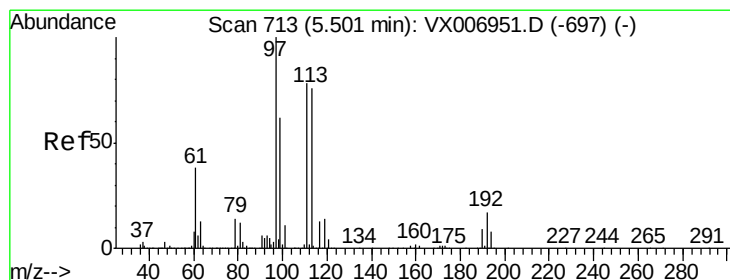
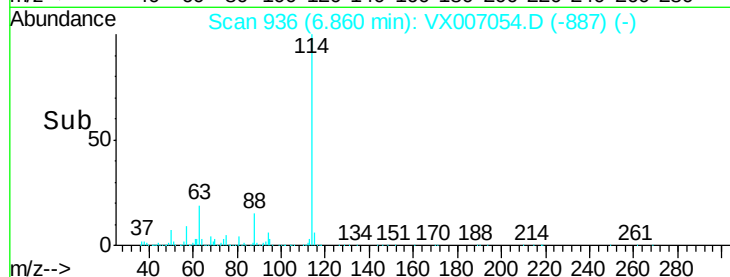
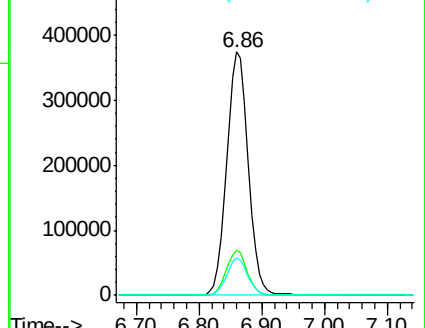
88 15.2 0.0 28.8



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: 48.950 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

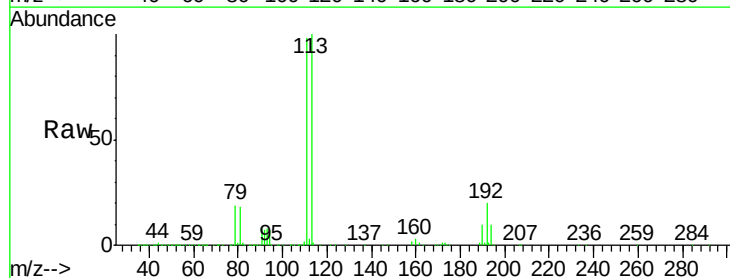
Tgt Ion:113 Resp: 278562

Ion Ratio Lower Upper

113 100

111 100.8 81.6 122.4

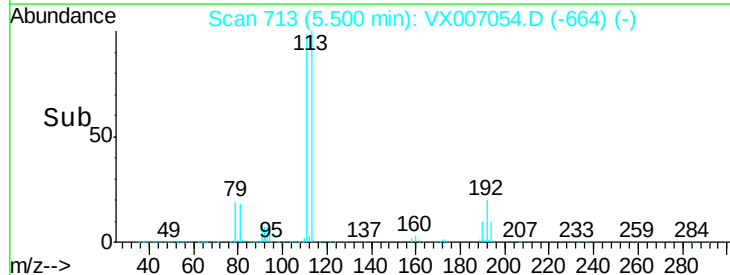
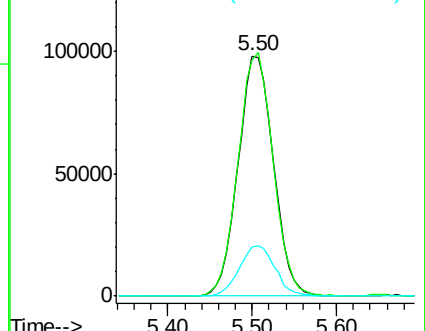
192 21.2 16.7 25.1

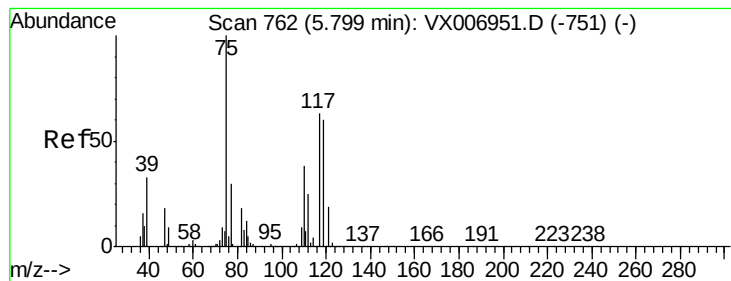


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.664 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

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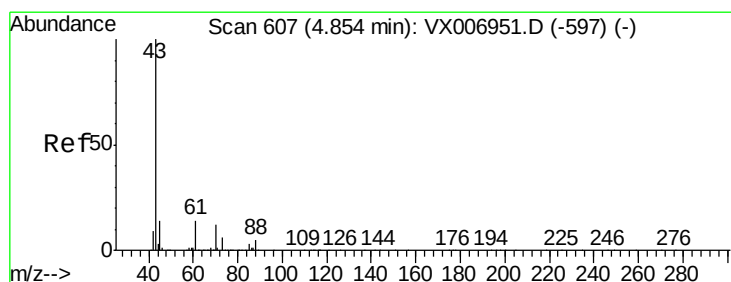
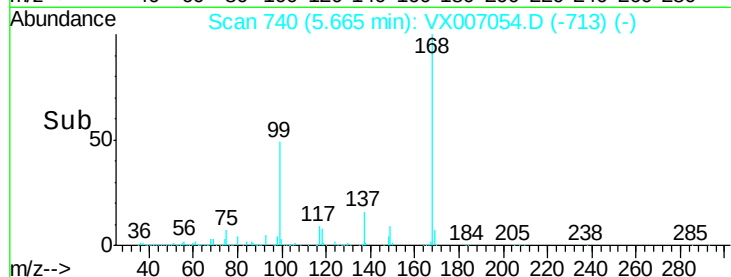
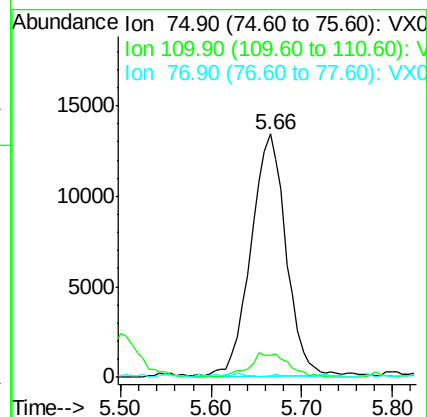
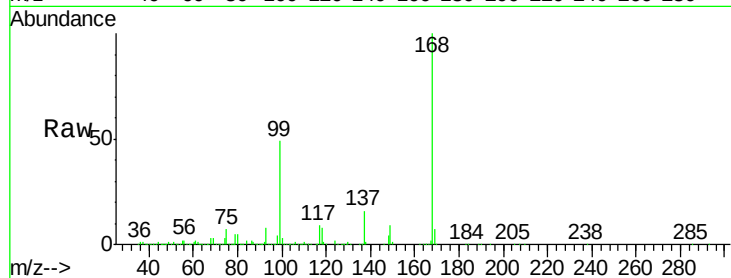
Tot Ion: 75 Resp: 36034

Ion Ratio Lower Upper

75 100

110 11.2 20.2 60.5#

77 0.7 24.8 37.2#



#37

Ethyl Acetate

Concen: 2.284 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

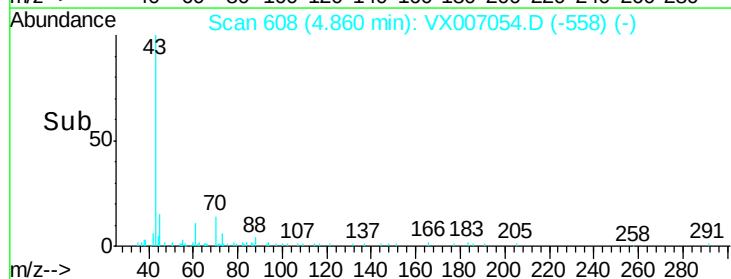
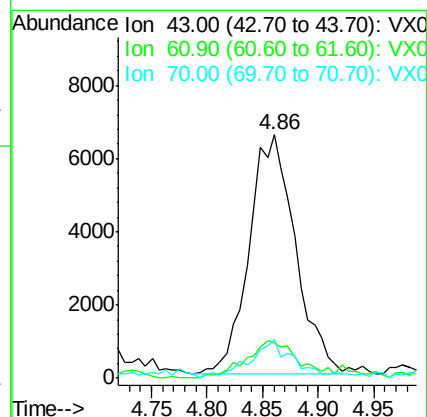
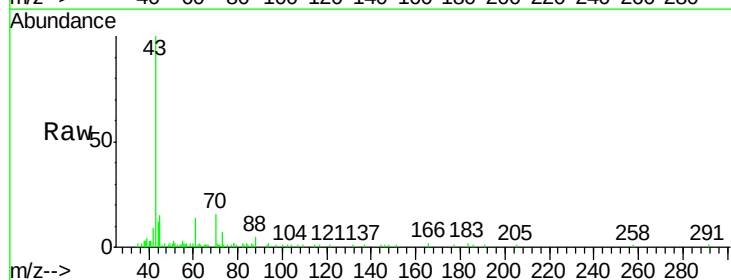
Tgt Ion: 43 Resp: 18918

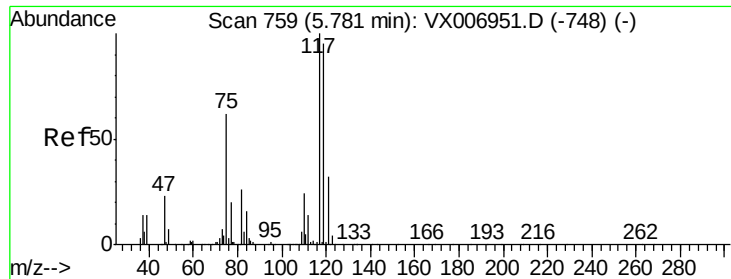
Ion Ratio Lower Upper

43 100

61 16.9 11.9 17.9

70 14.8 9.7 14.5#





#38

Carbon Tetrachloride

Concen: 6.713 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

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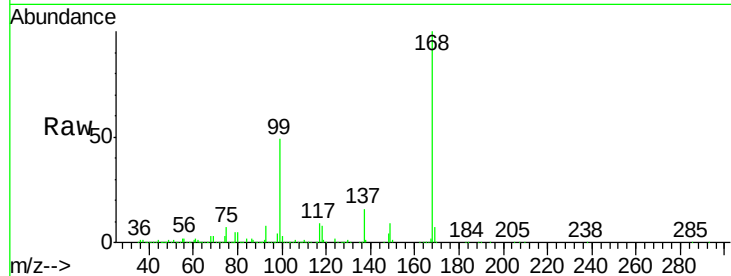
Tot Ion:117 Resp: 52184

Ion Ratio Lower Upper

117 100

119 5.9 79.4 119.2#

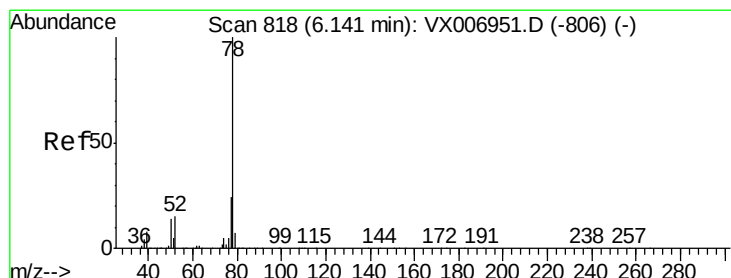
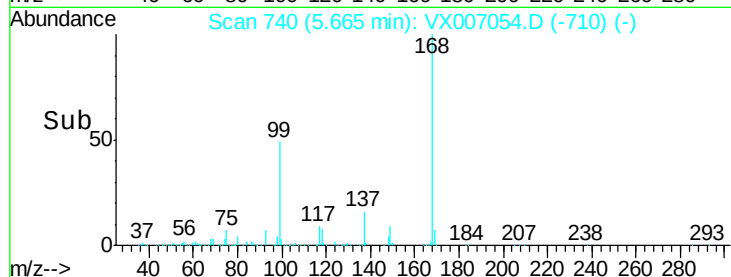
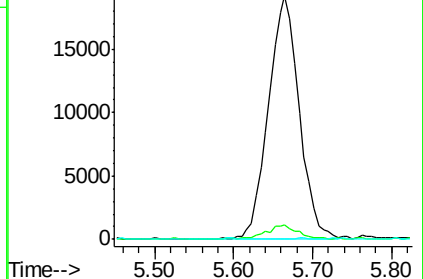
121 0.0 24.0 36.0#



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



#40

Benzene

Concen: 0.766 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007054.D

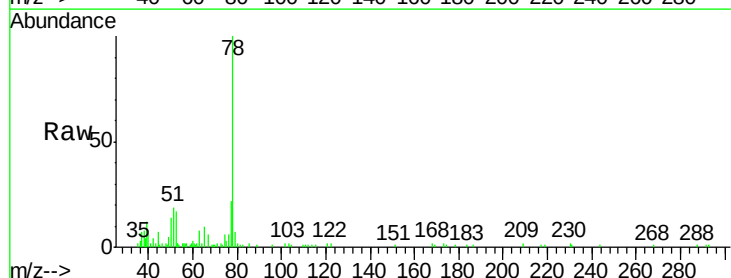
Acq: 15 Jan 2019 13:20

Tgt Ion: 78 Resp: 18056

Ion Ratio Lower Upper

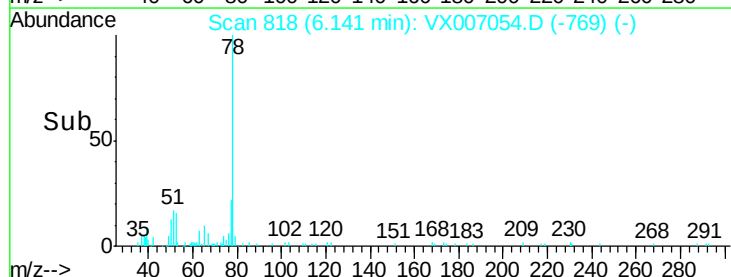
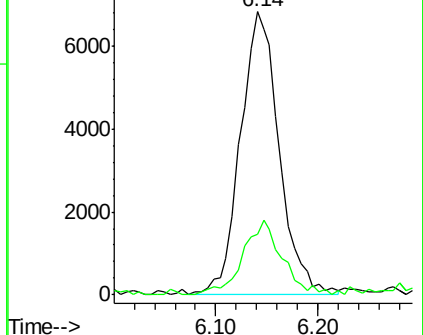
78 100

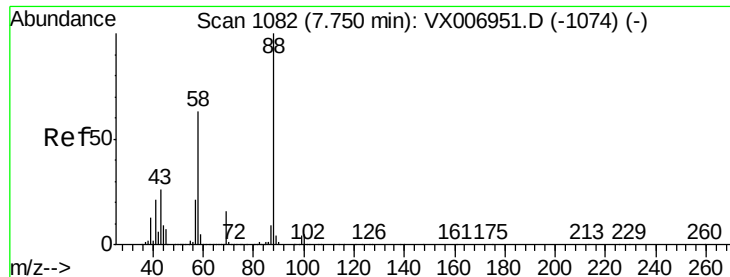
77 21.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

SW002-190114-01

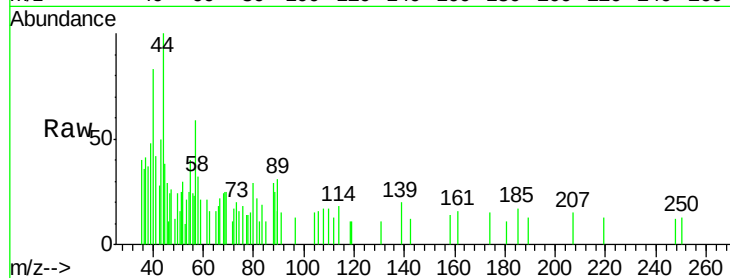
Tot Ion: 88 Resp: 425

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

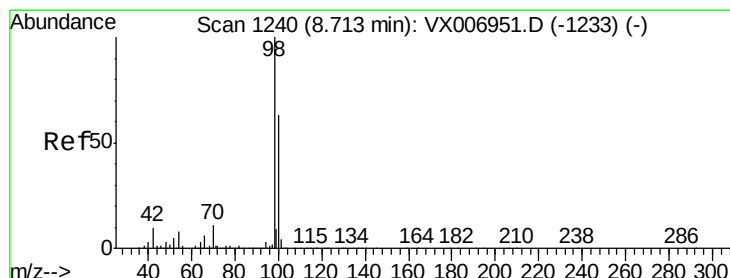
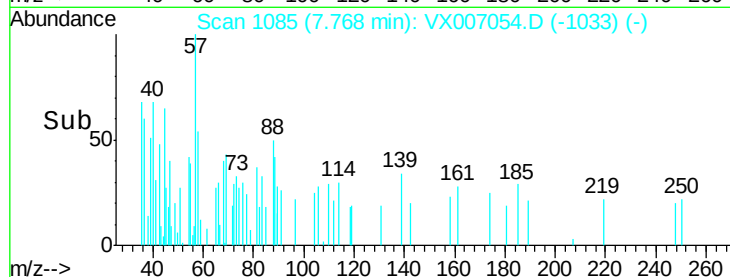
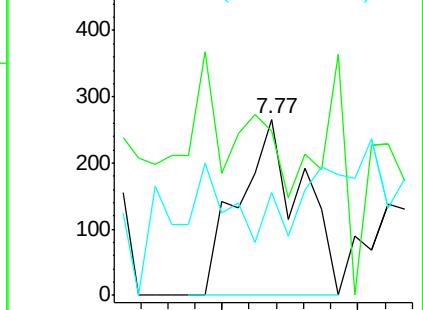
58 0.0 51.0 76.4#



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



#50

Toluene-d8

Concen: 51.122 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007054.D

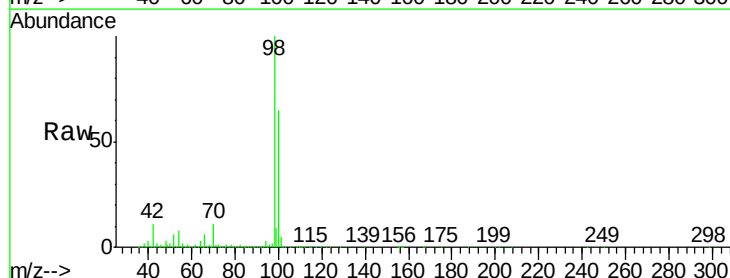
Acq: 15 Jan 2019 13:20

Tgt Ion: 98 Resp: 1064876

Ion Ratio Lower Upper

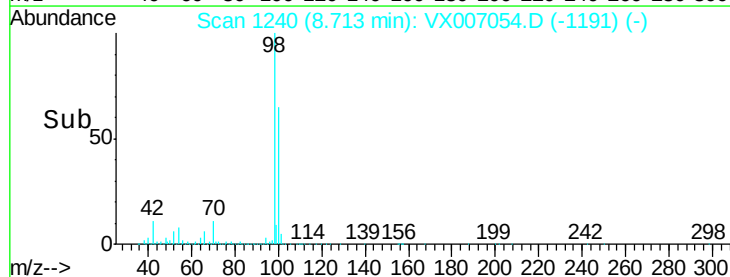
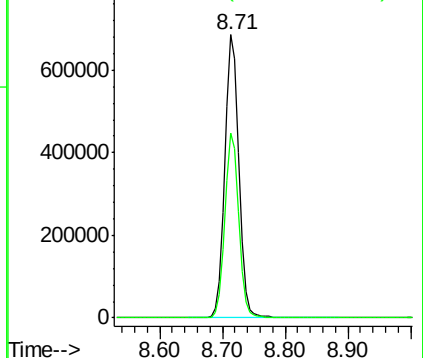
98 100

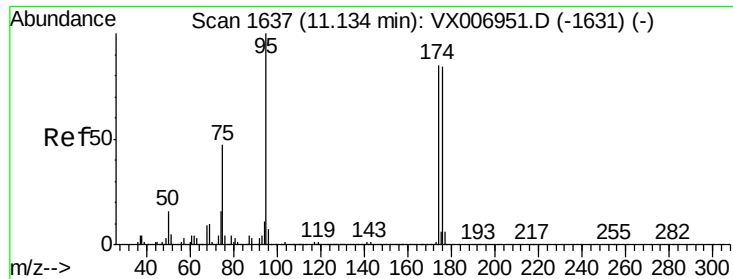
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.949 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

SW002-190114-01

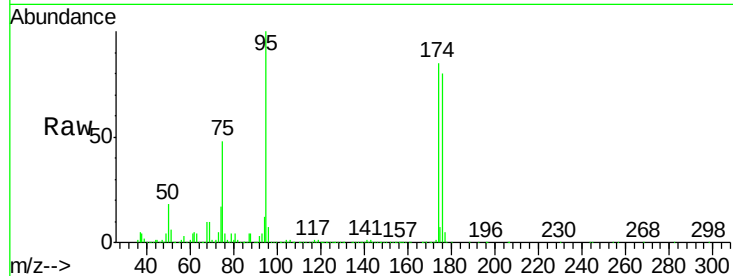
Tot Ion: 95 Resp: 377250

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.2

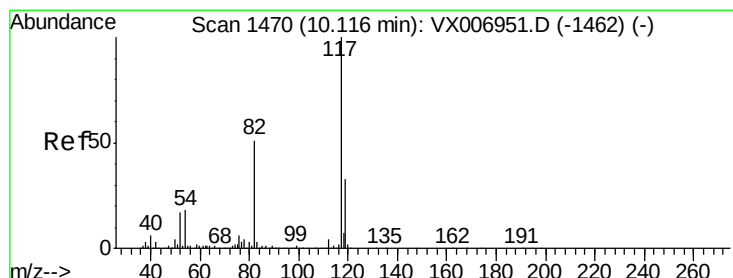
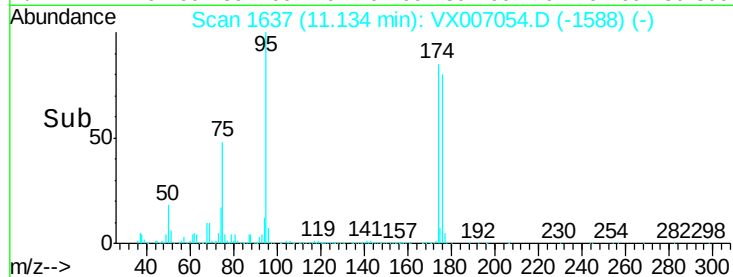
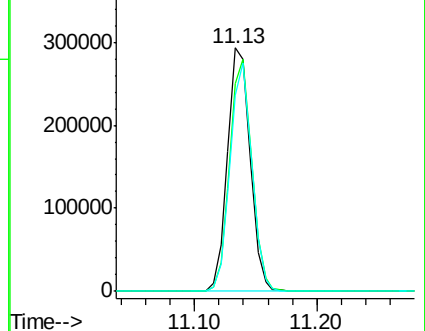
176 89.8 0.0 178.8



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: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

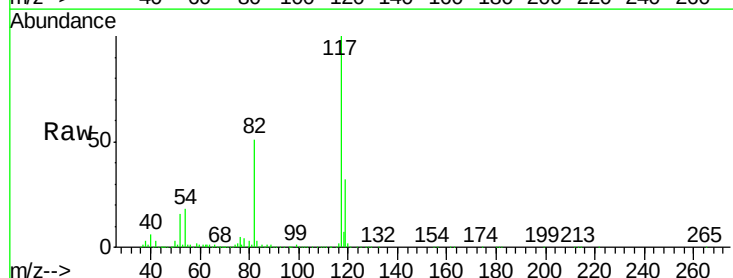
Tgt Ion: 117 Resp: 830083

Ion Ratio Lower Upper

117 100

82 50.5 41.0 61.6

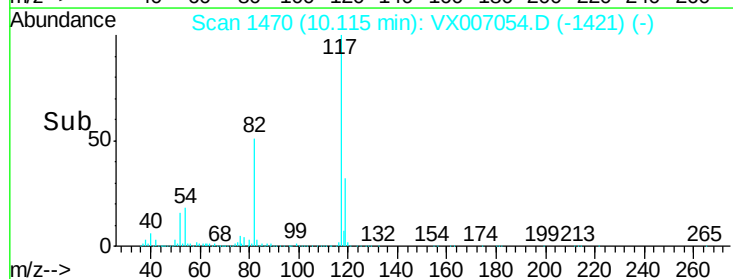
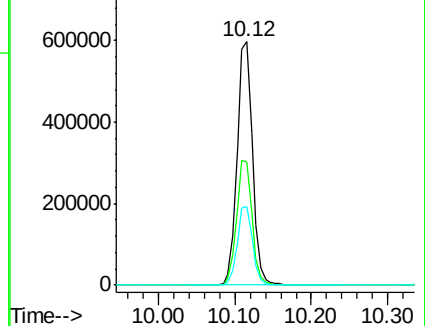
119 32.3 25.4 38.0

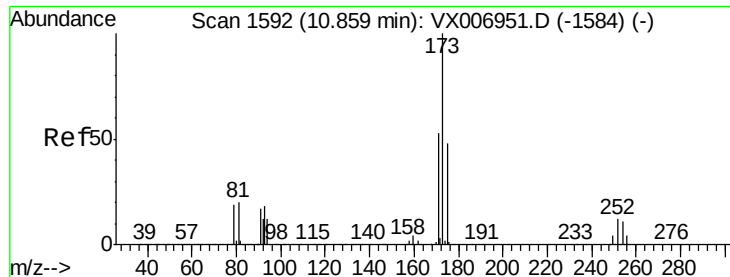


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

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: 4.748 ug/l

RT: 10.95 min Scan# 1607

Delta R.T. 0.09 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

SW002-190114-01

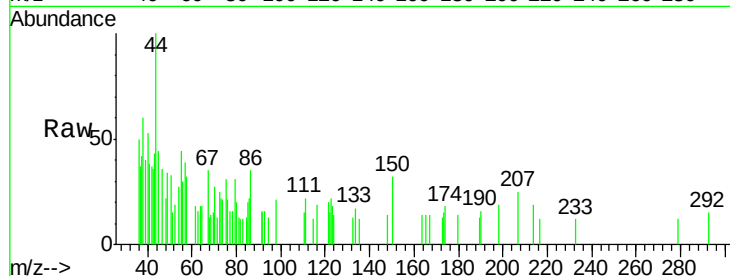
Tot Ion:173 Resp: 124

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

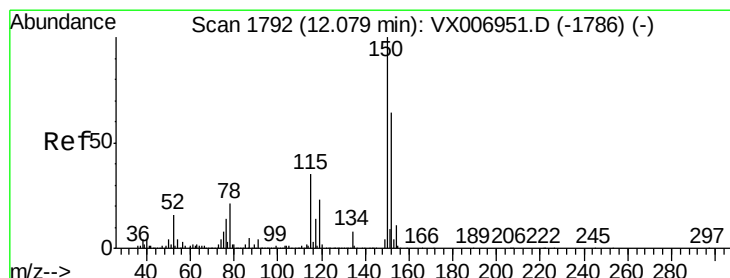
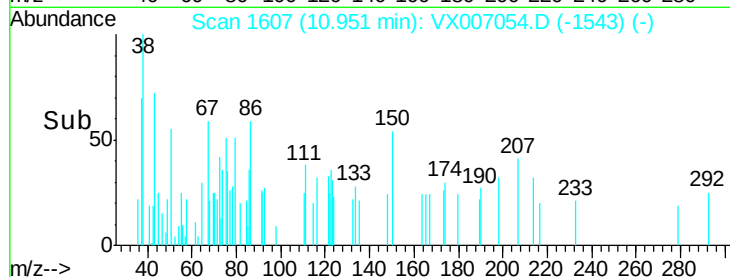
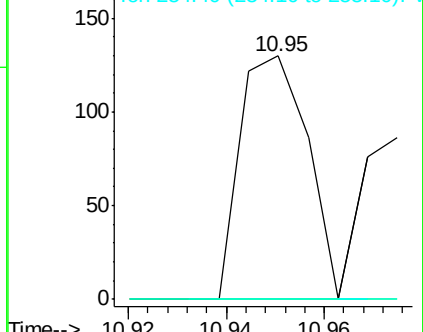
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

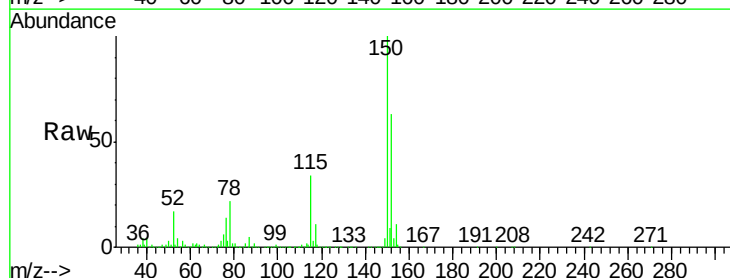
Tgt Ion:152 Resp: 407766

Ion Ratio Lower Upper

152 100

115 54.4 39.1 117.2

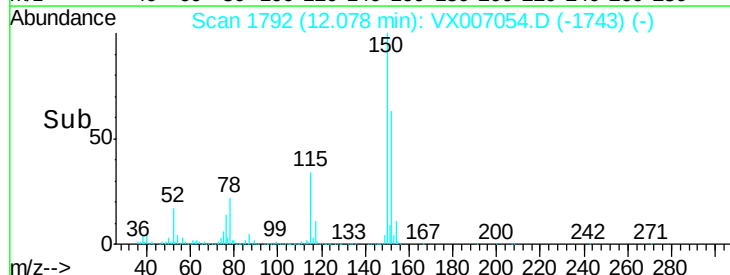
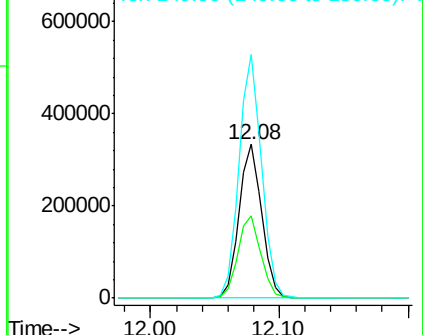
150 156.9 0.0 344.8

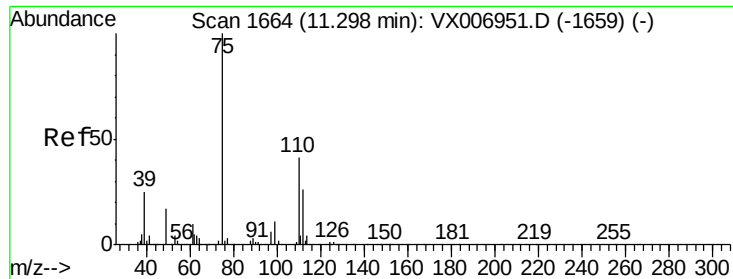


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.668 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

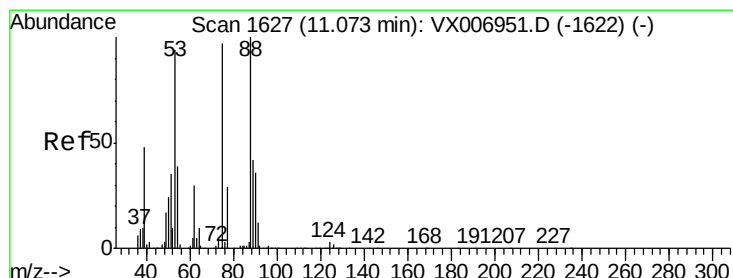
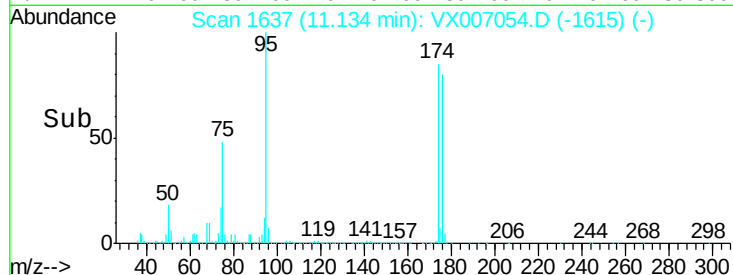
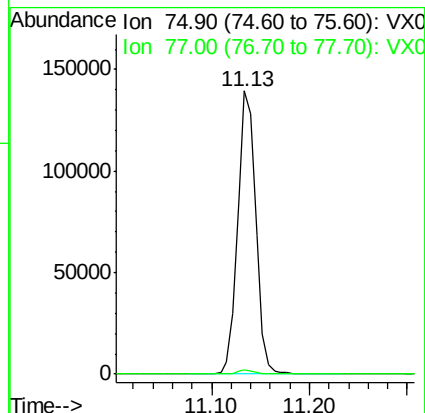
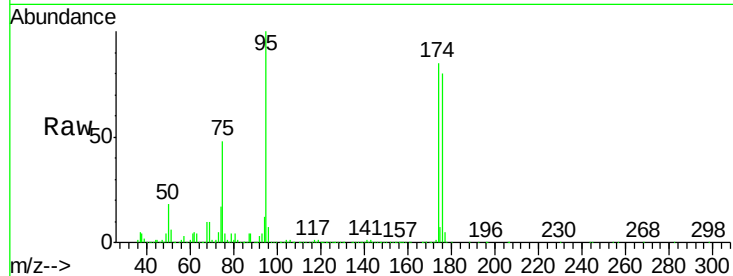
SW002-190114-01

Tot Ion: 75 Resp: 179047

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.227 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

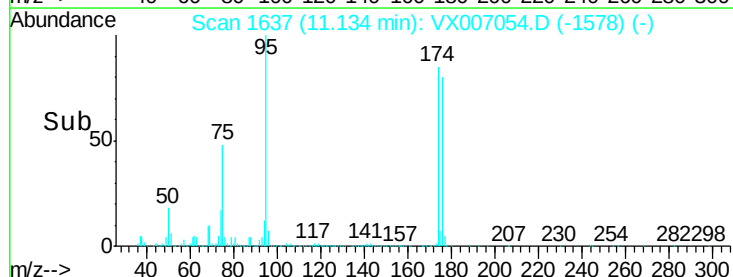
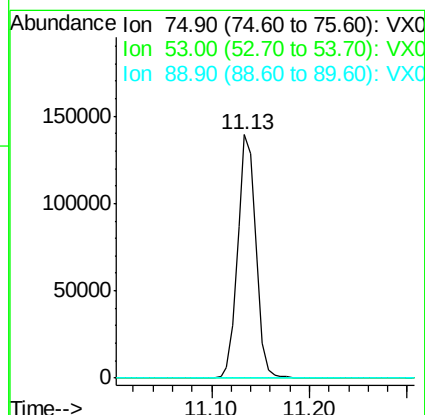
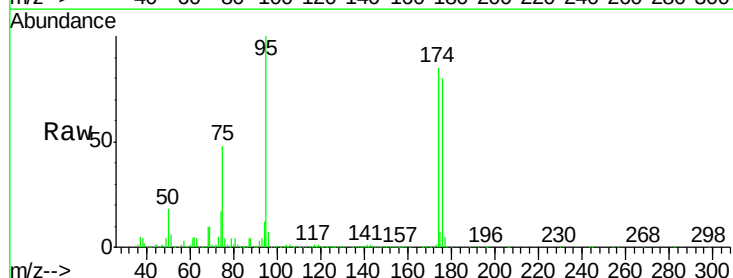
Tgt Ion: 75 Resp: 179047

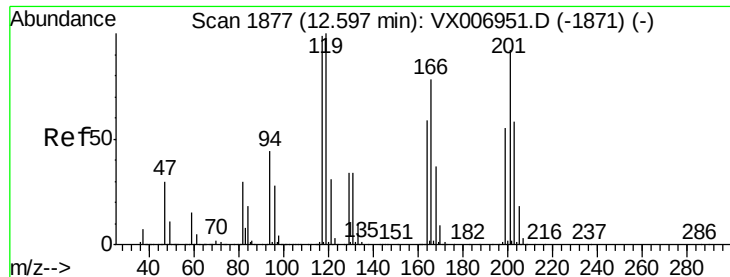
Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 2.928 ug/l

RT: 12.57 min Scan# 1872

Delta R.T. -0.03 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

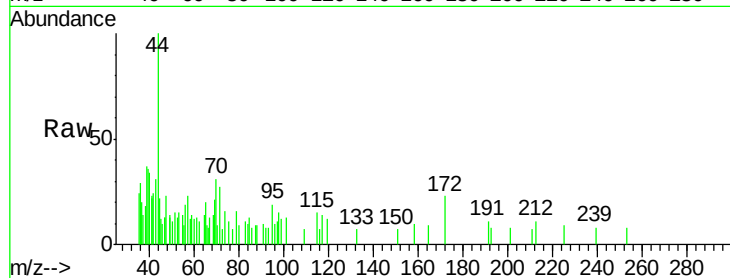
SW002-190114-01

Tot Ion:117 Resp: 84

Ion Ratio Lower Upper

117 100

201 88.1 42.9 128.7

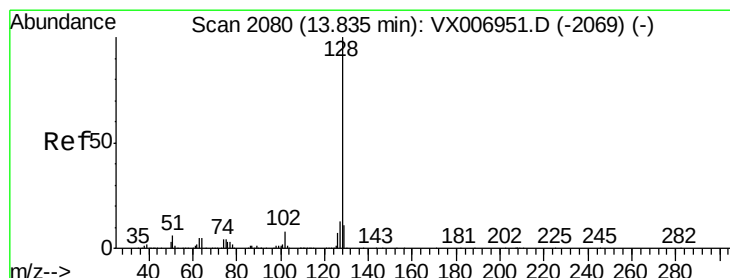
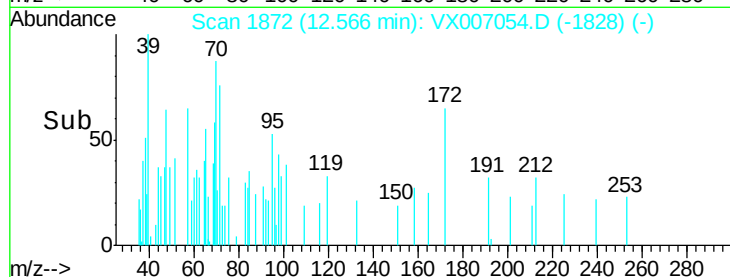


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.57

Time--> 12.54 12.56 12.58



#95

Naphthalene

Concen: 0.744 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007054.D

Acq: 15 Jan 2019 13:20

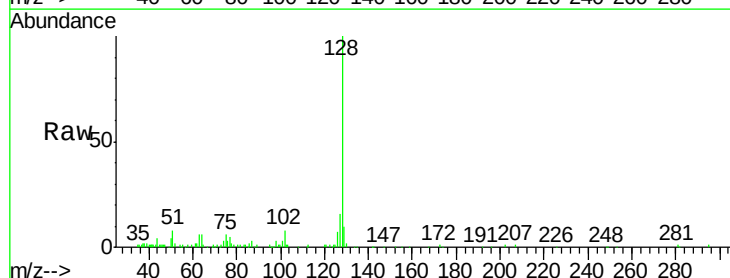
Tgt Ion:128 Resp: 21868

Ion Ratio Lower Upper

128 100

127 14.8 10.1 15.1

129 12.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83

Time--> 13.80 13.90

