

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011519\
 Data File : VX007058.D
 Acq On : 15 Jan 2019 15:07
 Operator : JC/SP
 Sample : K1149-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW001-190114-01

Quant Time: Jan 16 00:04:15 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	548786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	867991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	813443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	400618	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	301622	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	5.51	113	263723	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.71	98	1033474	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	371497	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	

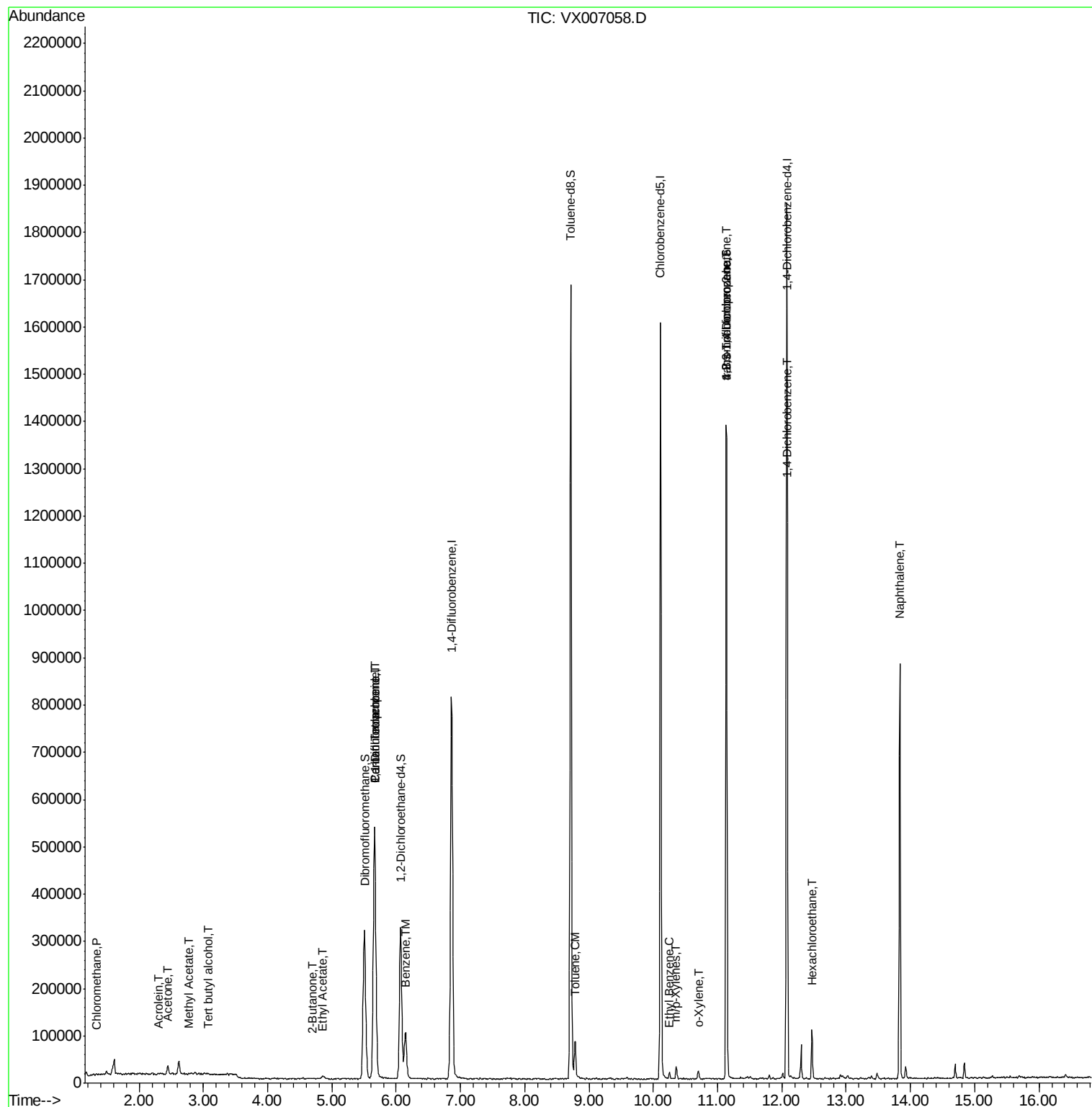
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1439	0.274	ug/l	95
11) Tert butyl alcohol	3.07	59	1753	1.296	ug/l	99
13) Acrolein	2.30	56	258	3.521	ug/l #	13
16) Acetone	2.45	43	19016	6.707	ug/l	96
18) Methyl Acetate	2.78	43	2158	0.263	ug/l #	79
20) Methylene Chloride	2.86	84	2515	Below Cal	#	66
25) 2-Butanone	4.70	43	1456	0.359	ug/l #	75
36) 1,1-Dichloropropene	5.67	75	35825	4.747	ug/l #	49
37) Ethyl Acetate	4.86	43	11365	1.405	ug/l #	89
38) Carbon Tetrachloride	5.67	117	50425	6.641	ug/l #	14
40) Benzene	6.15	78	118337	5.139	ug/l	99
49) 1,4-Dioxane	7.75	88	271	Below Cal	#	17
52) Toluene	8.79	92	30064	2.031	ug/l	98
67) Ethyl Benzene	10.26	91	8007	0.273	ug/l	99
68) m/p-Xylenes	10.35	106	7550	0.654	ug/l	81
69) o-Xylene	10.70	106	3717	0.330	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	176925	21.793	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	176925	64.576	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	738	0.200	ug/l #	1
90) Hexachloroethane	12.47	117	3878	3.818	ug/l #	6
95) Naphthalene	13.83	128	539908	18.705	ug/l	99

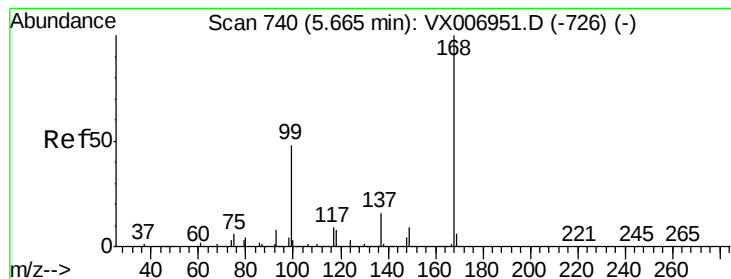
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
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: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

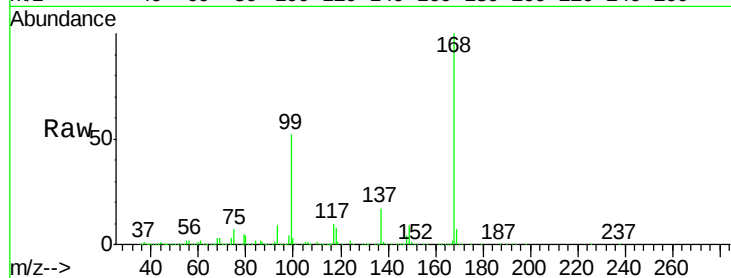
SW001-190114-01

Tot Ion:168 Resp: 548786

Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

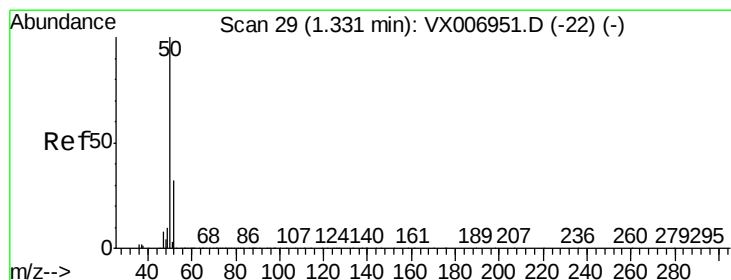
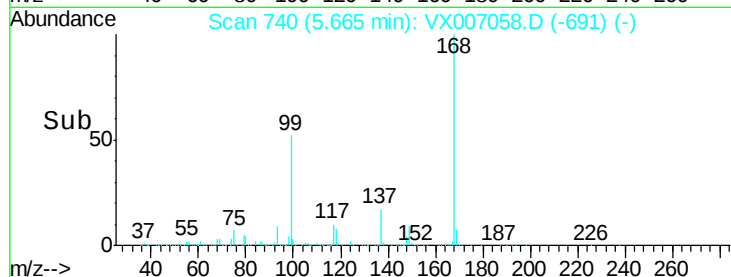
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.274 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007058.D

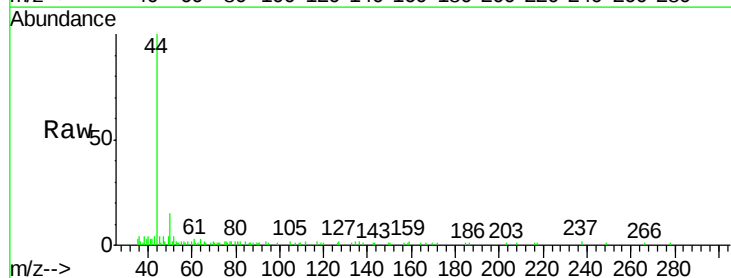
Acq: 15 Jan 2019 15:07

Tgt Ion: 50 Resp: 1439

Ion Ratio Lower Upper

50 100

52 29.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1200

1000

800

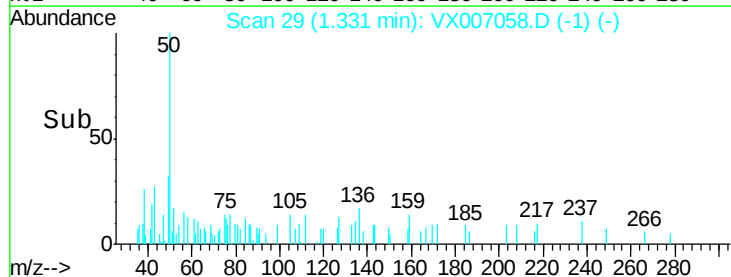
600

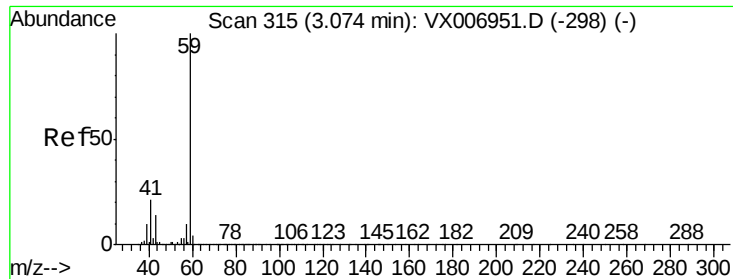
400

200

0

Time--> 1.30 1.35

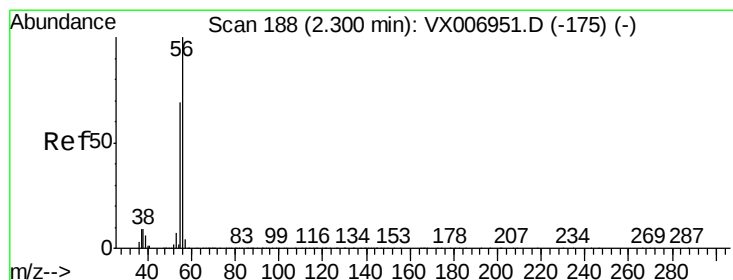
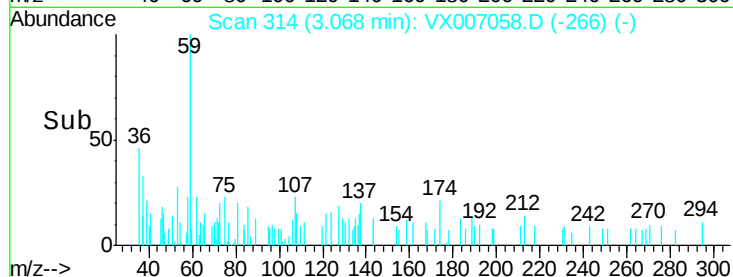
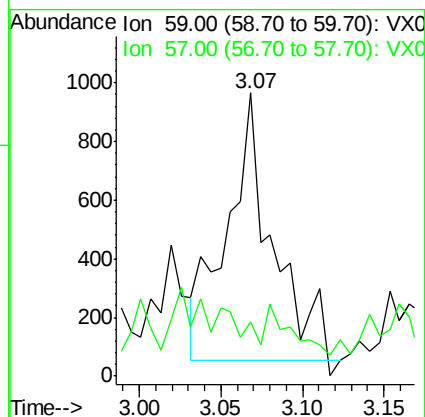
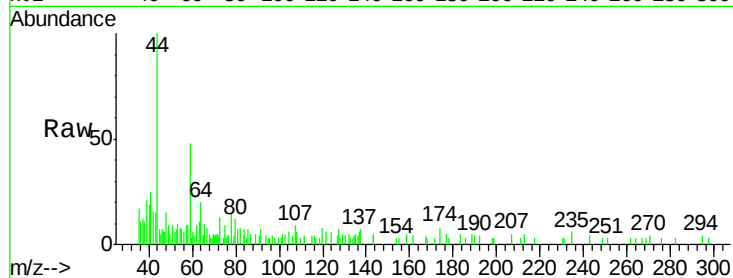




#11
Tert butvl alcohol
Concen: 1.296 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007058.D
Acq: 15 Jan 2019 15:07

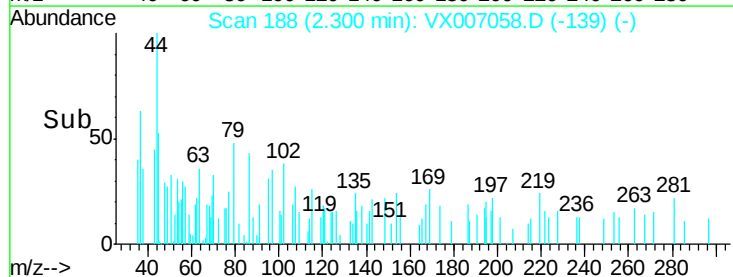
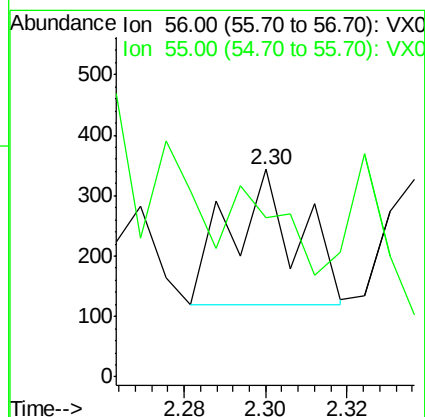
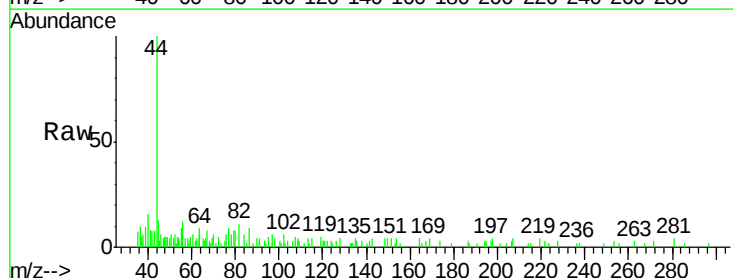
Instrument :
MSVOA_X
ClientSampleId :
SW001-190114-01

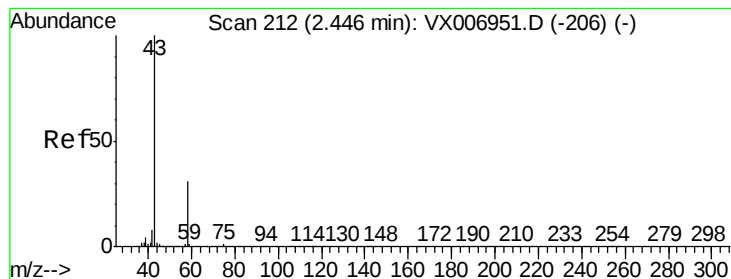
Tot Ion: 59 Resp: 1753
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7



#13
Acrolein
Concen: 3.521 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX007058.D
Acq: 15 Jan 2019 15:07

Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#





#16

Acetone

Concen: 6.707 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

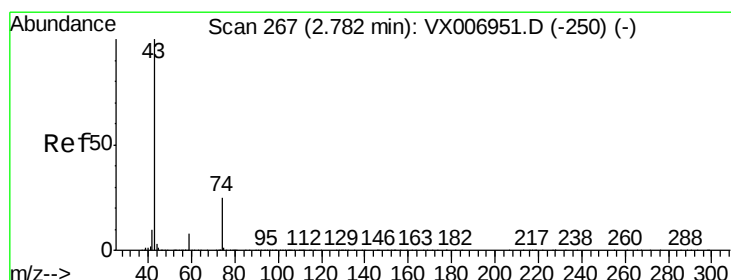
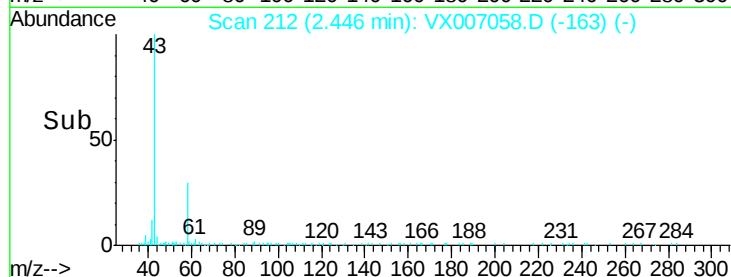
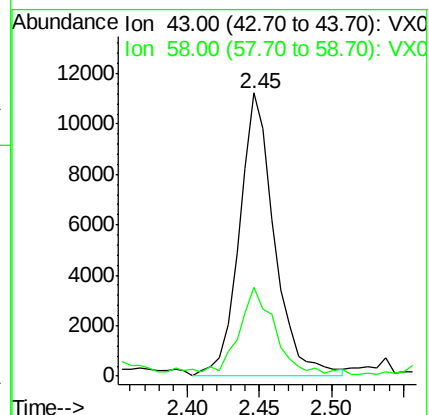
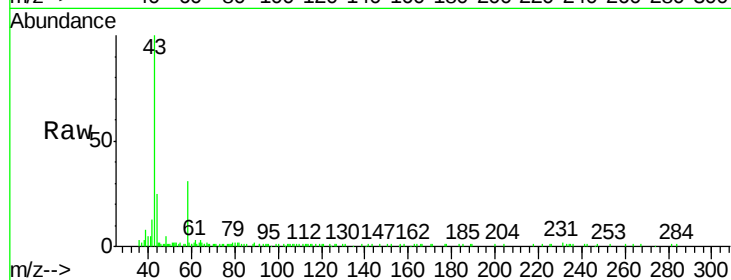
SW001-190114-01

Tot Ion: 43 Resp: 19016

Ion Ratio Lower Upper

43 100

58 28.9 25.0 37.6



#18

Methyl Acetate

Concen: 0.263 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007058.D

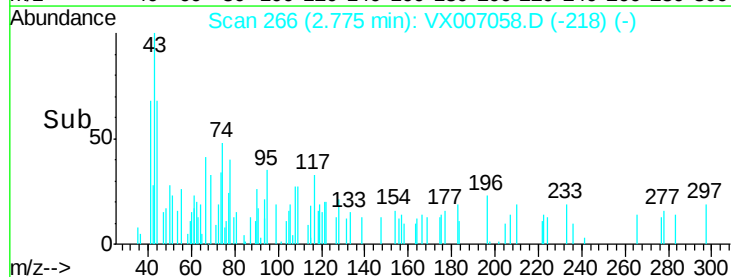
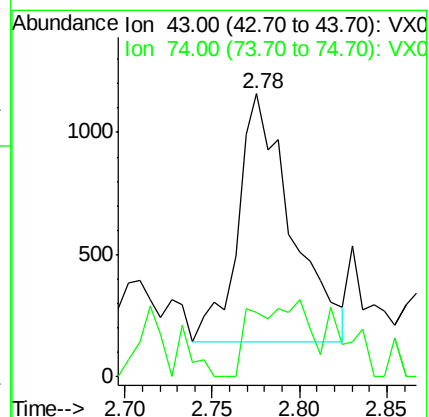
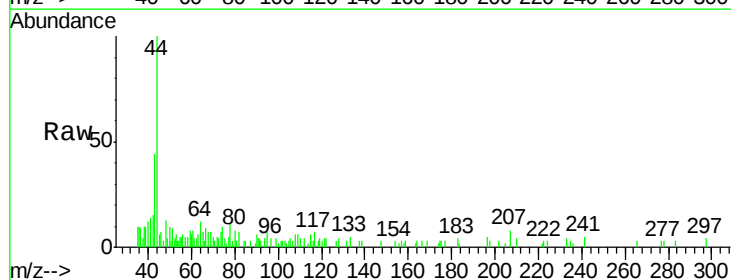
Acq: 15 Jan 2019 15:07

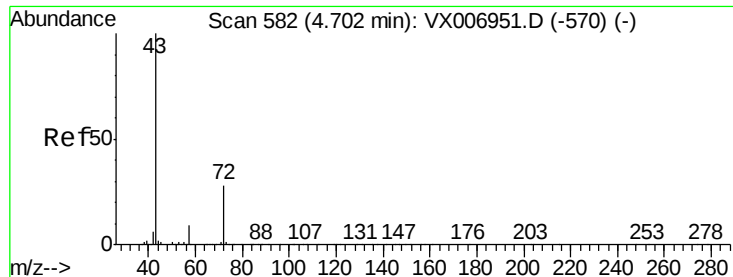
Tgt Ion: 43 Resp: 2158

Ion Ratio Lower Upper

43 100

74 13.3 18.6 28.0#

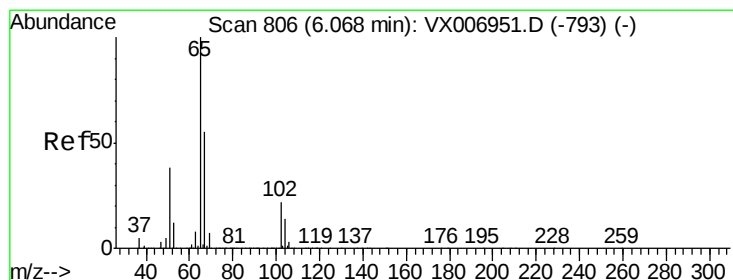
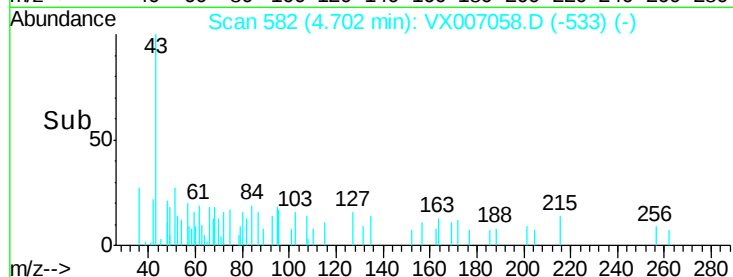
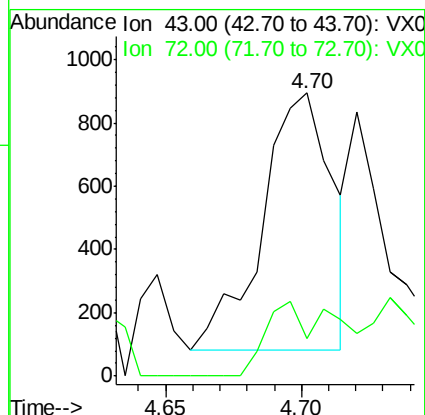
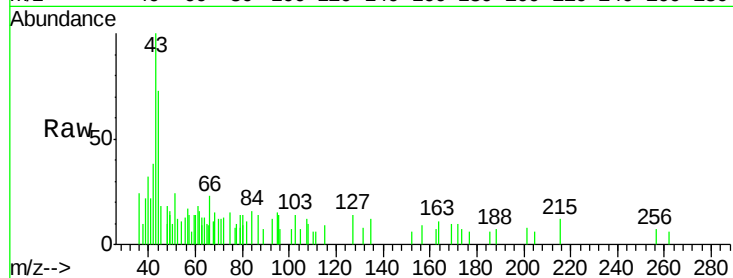




#25
2-Butanone
Concen: 0.359 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX007058.D
Acq: 15 Jan 2019 15:07

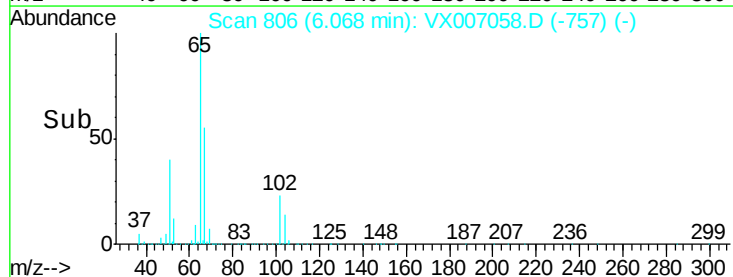
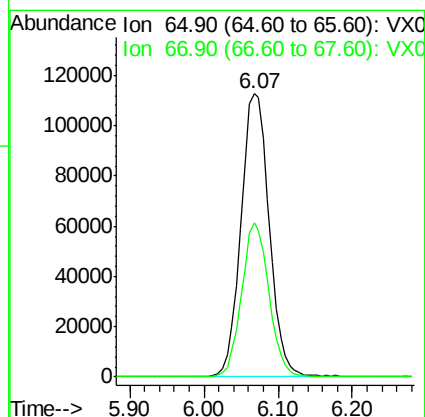
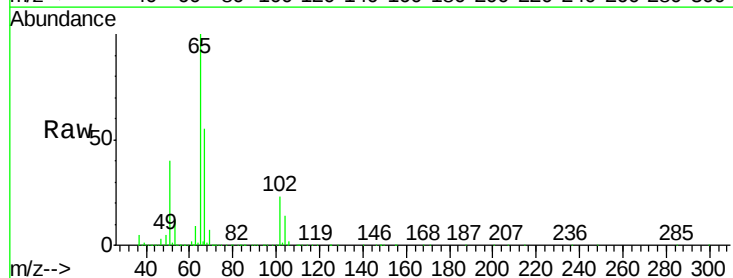
Instrument :
MSVOA_X
ClientSampleId :
SW001-190114-01

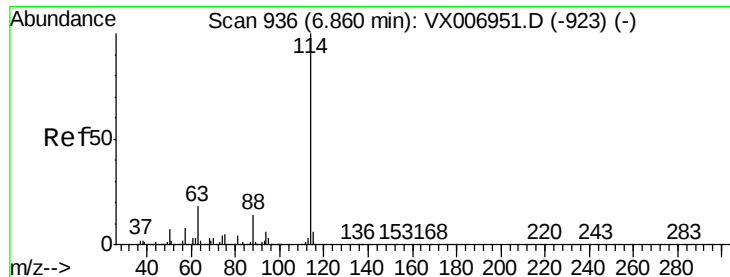
Tot Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
72 14.8 22.4 33.6#



#33
1,2-Dichloroethane-d4
Concen: 52.591 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007058.D
Acq: 15 Jan 2019 15:07

Tgt Ion: 65 Resp: 301622
Ion Ratio Lower Upper
65 100
67 52.6 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: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

SW001-190114-01

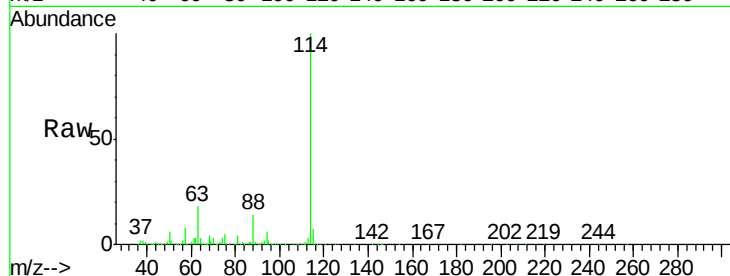
Tot Ion:114 Resp: 867991

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

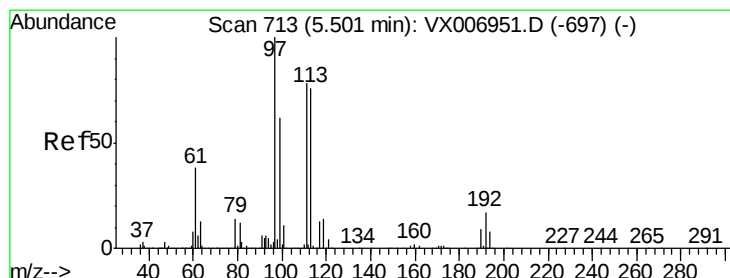
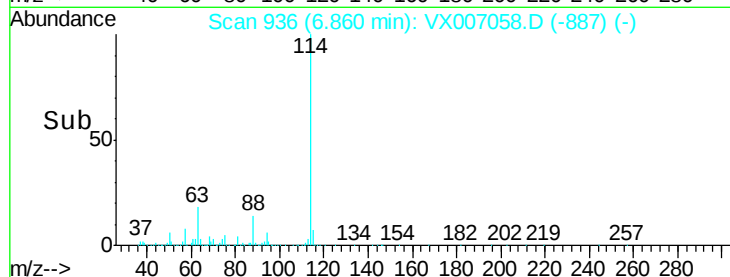
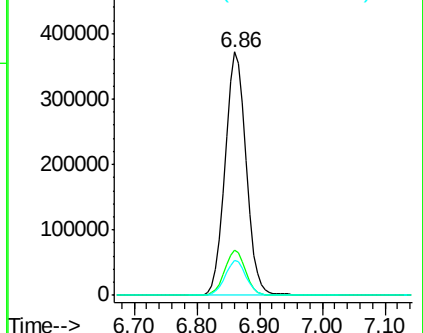
88 14.1 0.0 28.8



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: 47.444 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

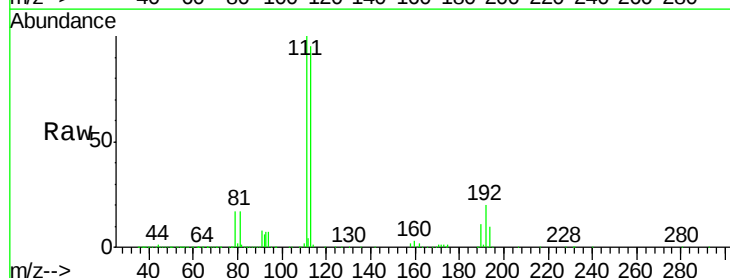
Tgt Ion:113 Resp: 263723

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

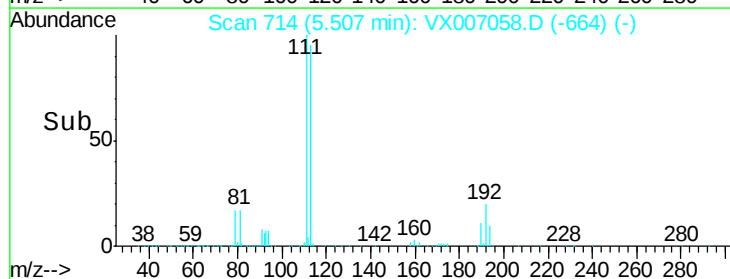
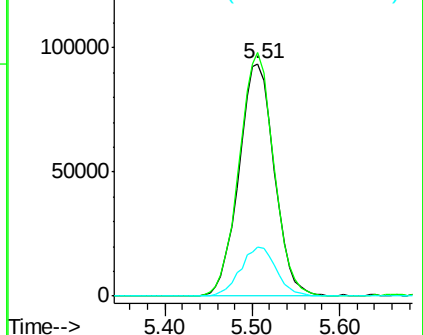
192 21.4 16.7 25.1

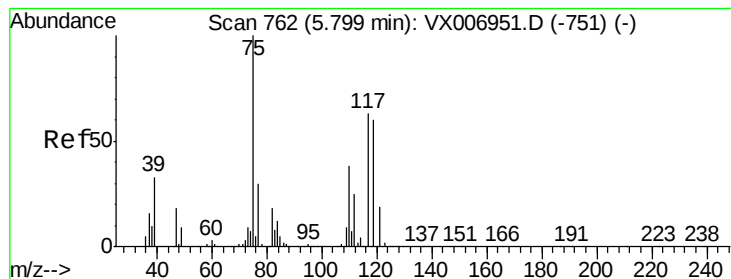


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

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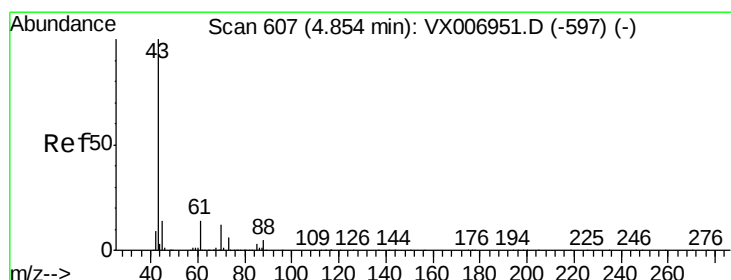
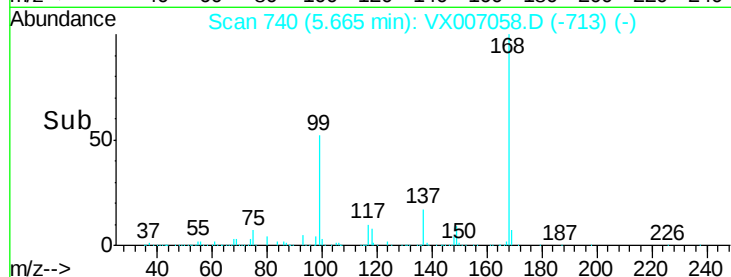
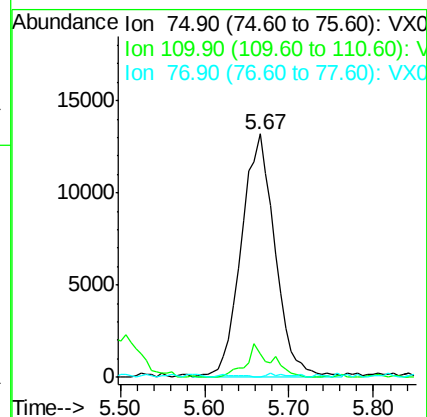
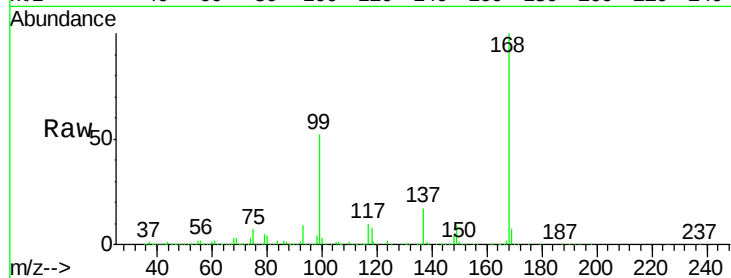
Tot Ion: 75 Resp: 35825

Ion Ratio Lower Upper

75 100

110 10.2 20.2 60.5#

77 0.8 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.405 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

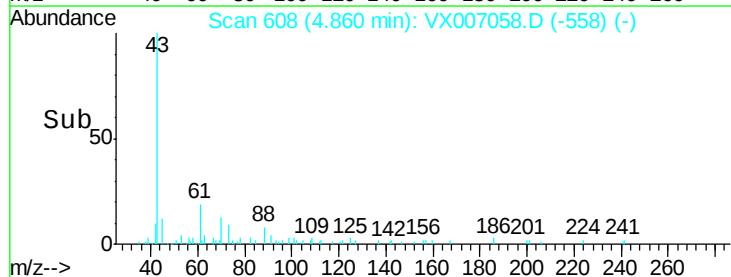
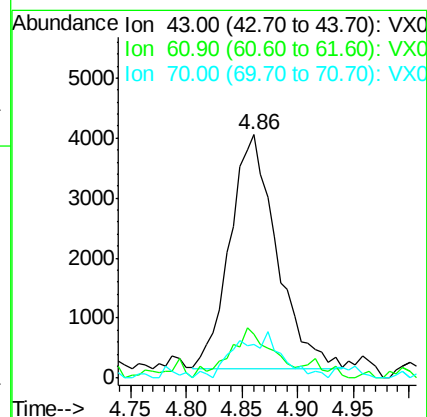
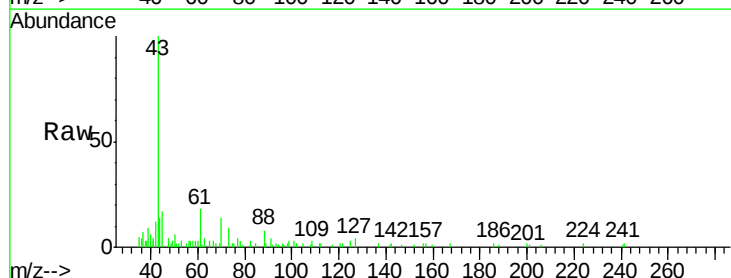
Tgt Ion: 43 Resp: 11365

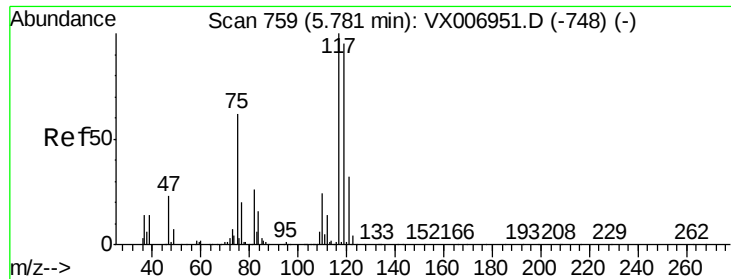
Ion Ratio Lower Upper

43 100

61 19.4 11.9 17.9#

70 7.8 9.7 14.5#





#38

Carbon Tetrachloride

Concen: 6.641 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

SW001-190114-01

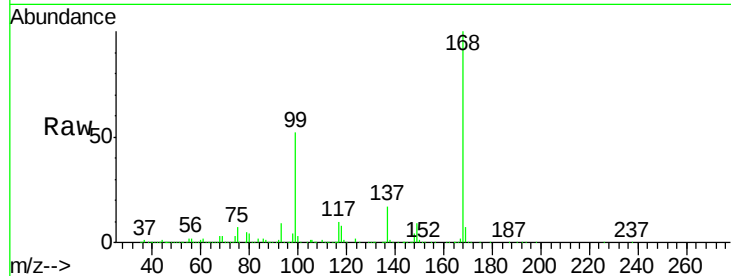
Tot Ion:117 Resp: 50425

Ion Ratio Lower Upper

117 100

119 4.7 79.4 119.2#

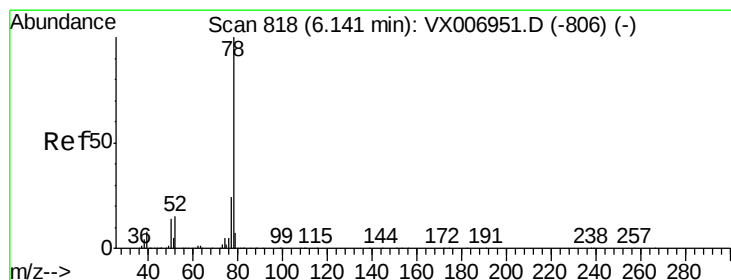
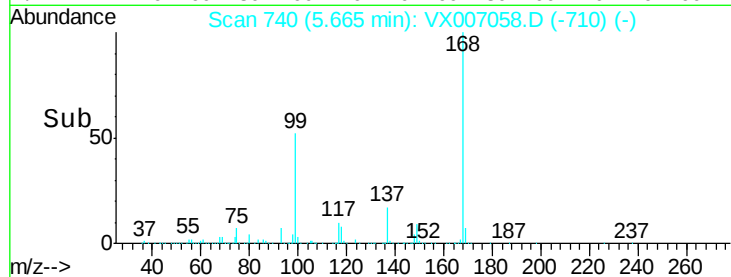
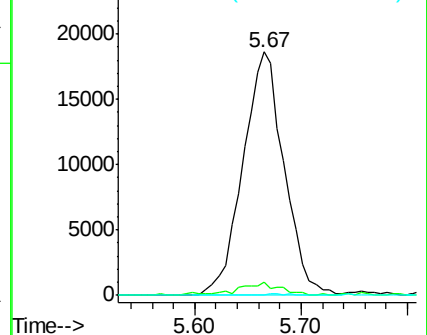
121 0.0 24.0 36.0#



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: 5.139 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007058.D

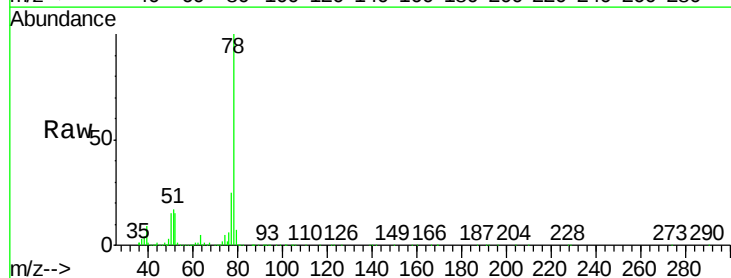
Acq: 15 Jan 2019 15:07

Tgt Ion: 78 Resp: 118337

Ion Ratio Lower Upper

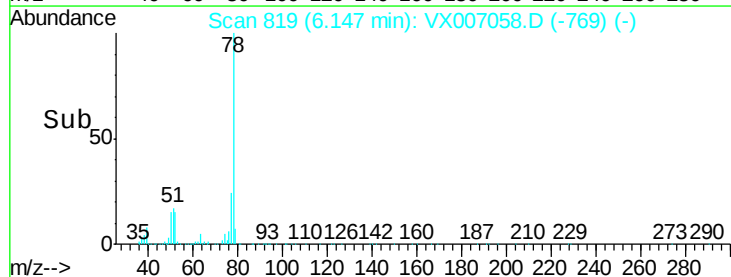
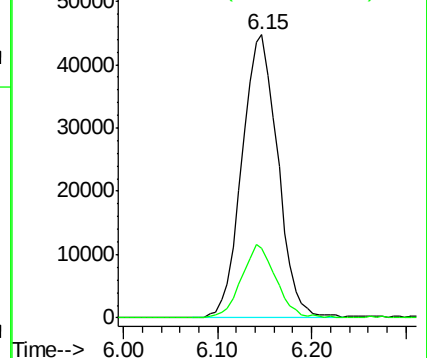
78 100

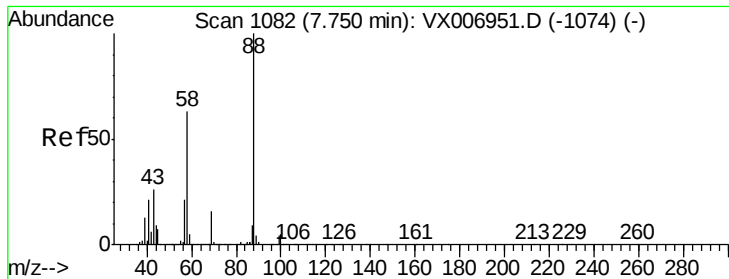
77 24.4 19.2 28.8



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: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

SW001-190114-01

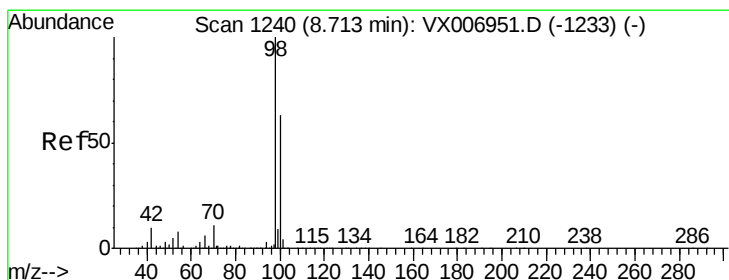
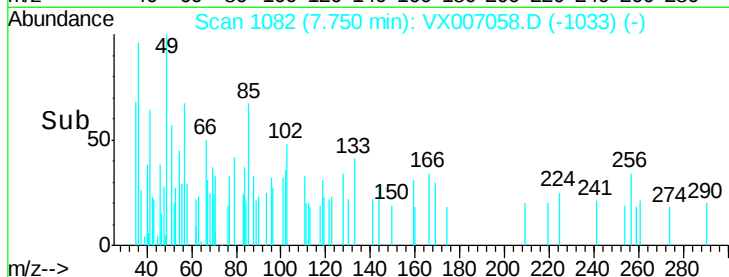
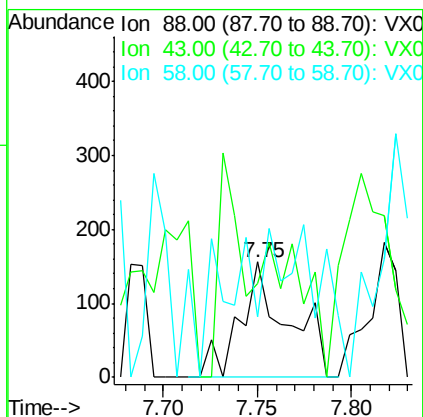
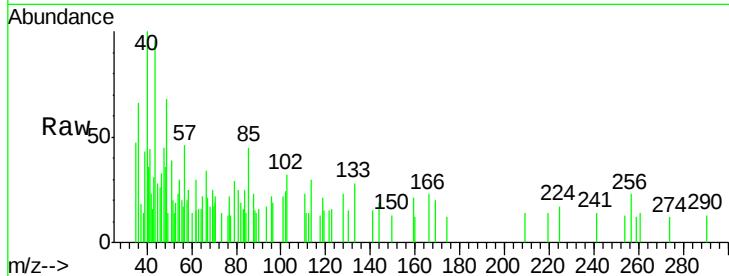
Tot Ion: 88 Resp: 271

Ion Ratio Lower Upper

88 100

43 97.8 22.2 33.4#

58 16.6 51.0 76.4#



#50

Toluene-d8

Concen: 50.795 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007058.D

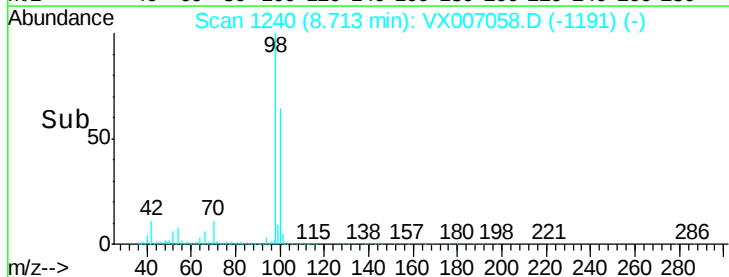
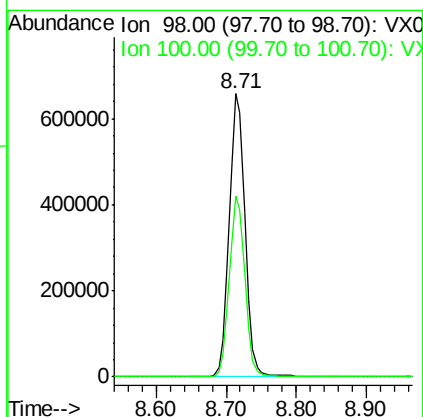
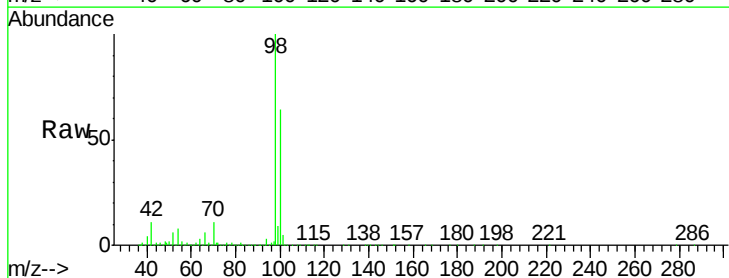
Acq: 15 Jan 2019 15:07

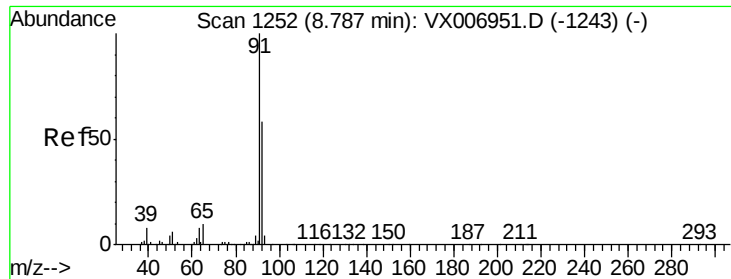
Tgt Ion: 98 Resp: 1033474

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0





#52

Toluene

Concen: 2.031 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

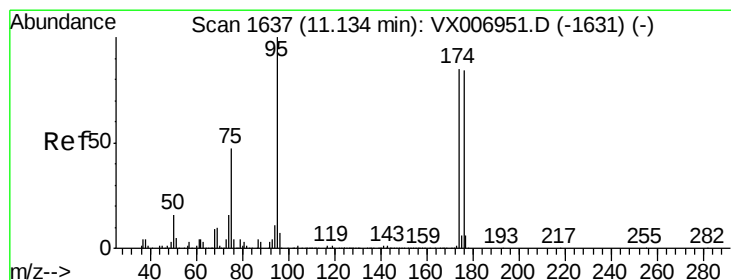
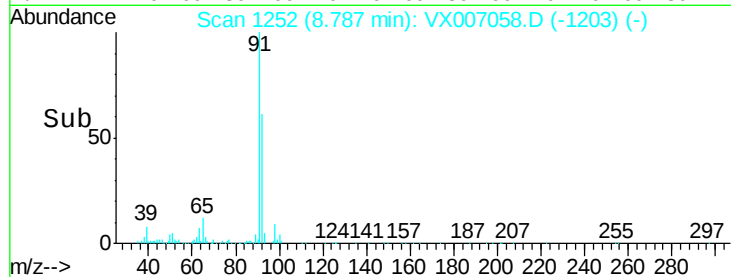
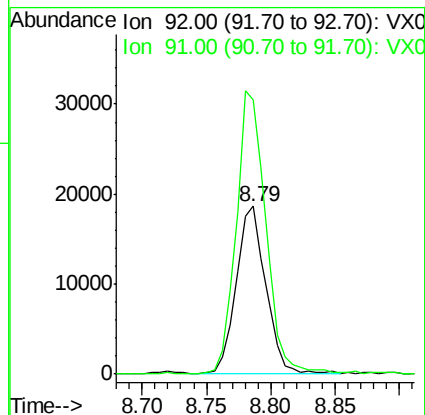
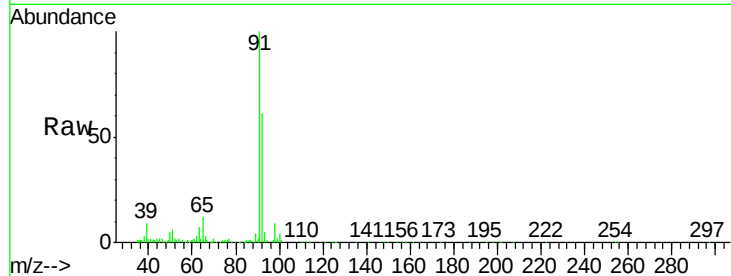
SW001-190114-01

Tot Ion: 92 Resp: 30064

Ion Ratio Lower Upper

92 100

91 168.7 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 52.374 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

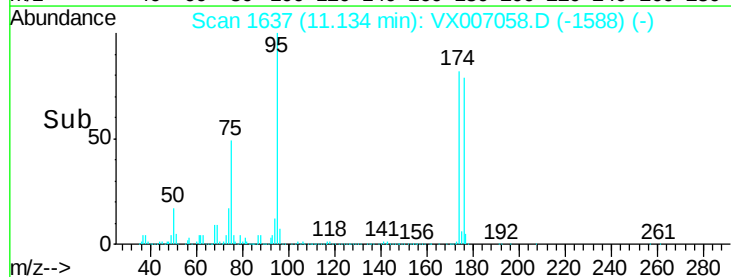
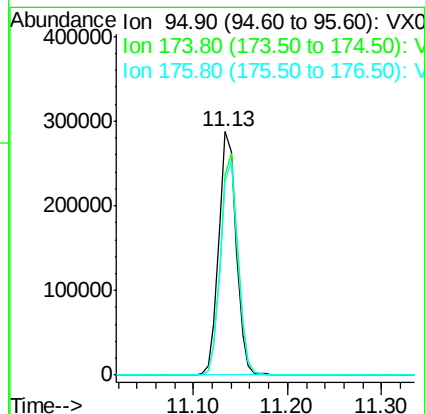
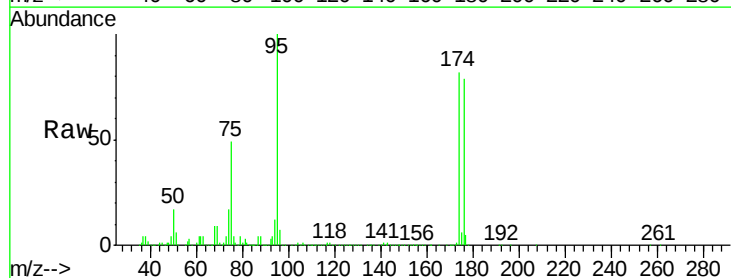
Tgt Ion: 95 Resp: 371497

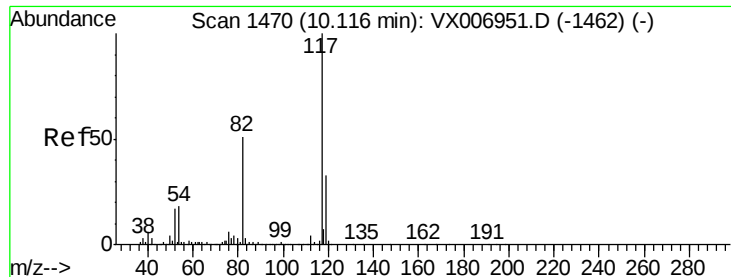
Ion Ratio Lower Upper

95 100

174 90.9 0.0 182.2

176 87.6 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

SW001-190114-01

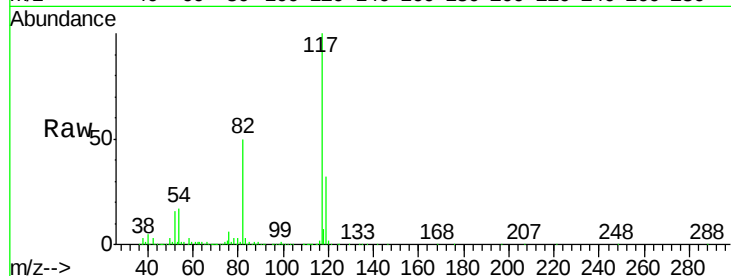
Tot Ion:117 Resp: 813443

Ion Ratio Lower Upper

117 100

82 50.2 41.0 61.6

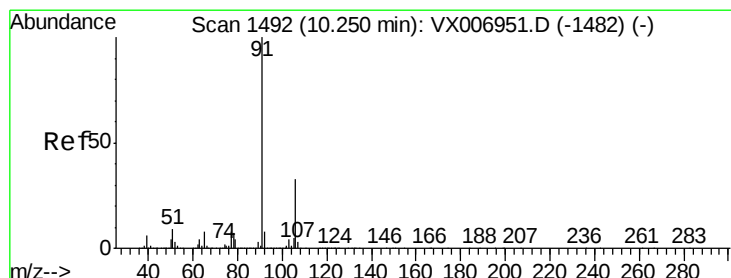
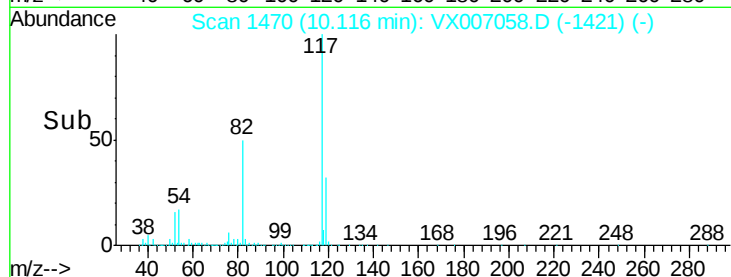
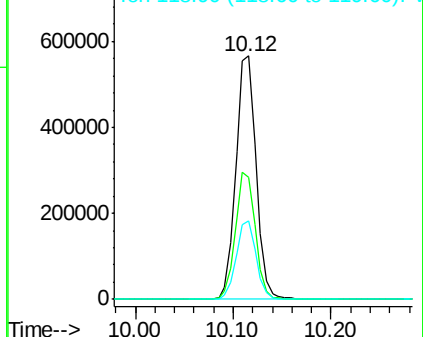
119 32.1 25.4 38.0



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



#67

Ethyl Benzene

Concen: 0.273 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX007058.D

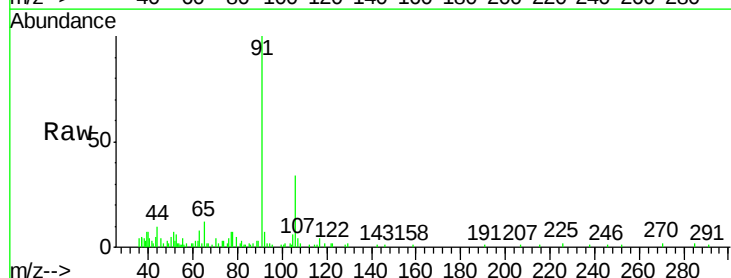
Acq: 15 Jan 2019 15:07

Tgt Ion: 91 Resp: 8007

Ion Ratio Lower Upper

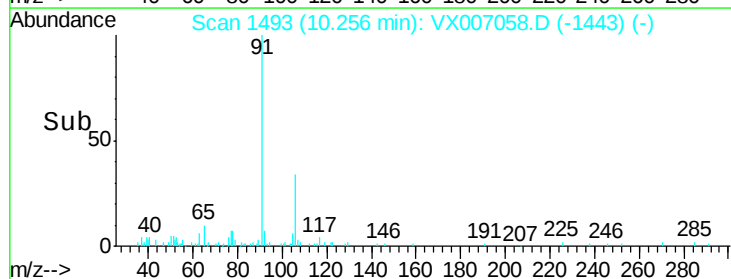
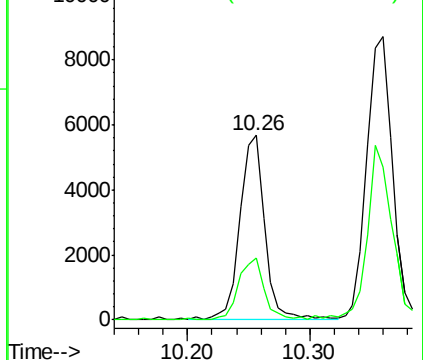
91 100

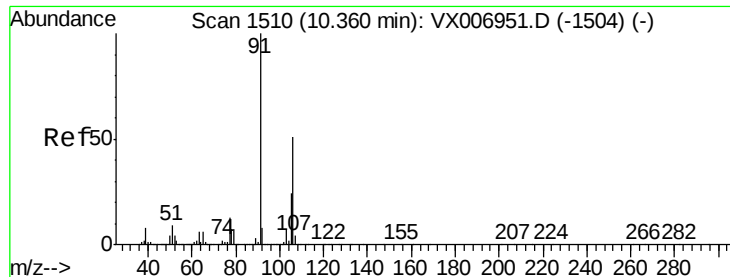
106 32.3 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.654 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

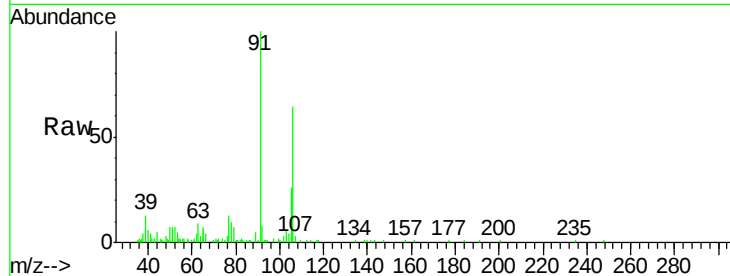
SW001-190114-01

Tot Ion:106 Resp: 7550

Ion Ratio Lower Upper

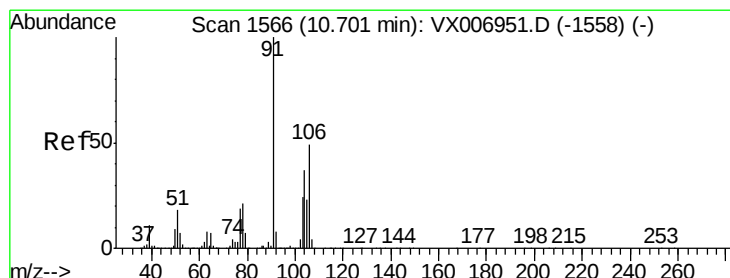
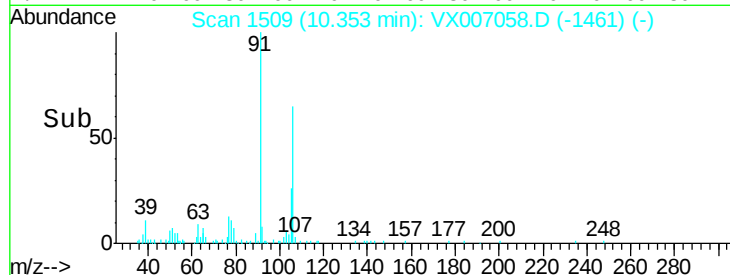
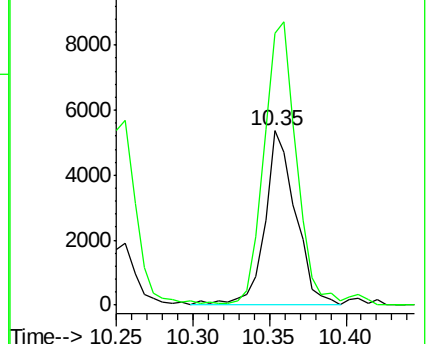
106 100

91 166.8 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.330 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX007058.D

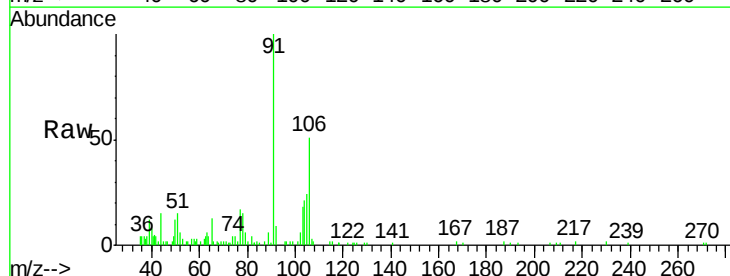
Acq: 15 Jan 2019 15:07

Tgt Ion:106 Resp: 3717

Ion Ratio Lower Upper

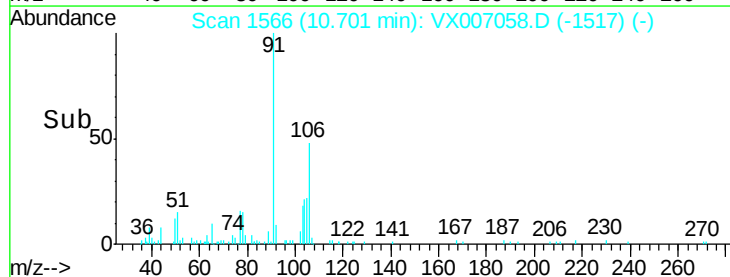
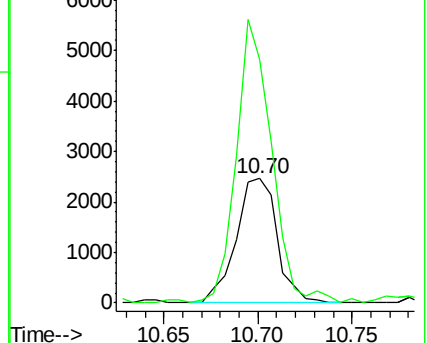
106 100

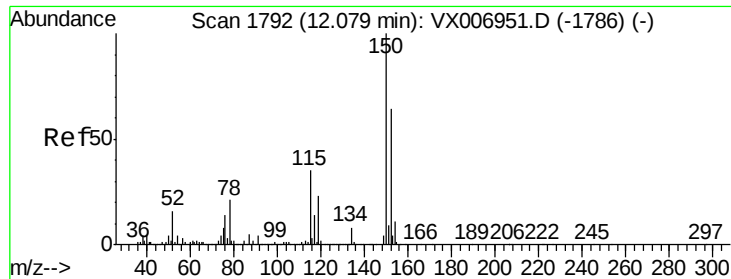
91 198.3 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



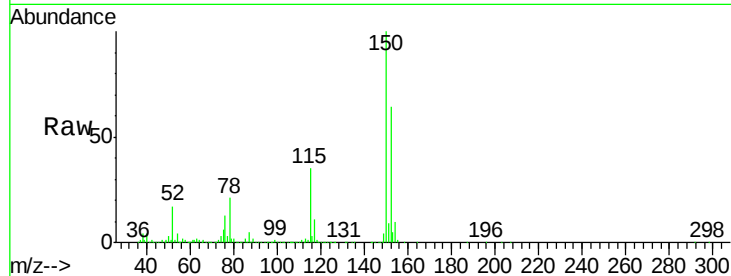


#72

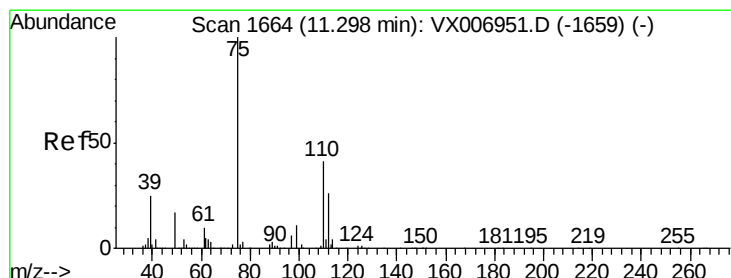
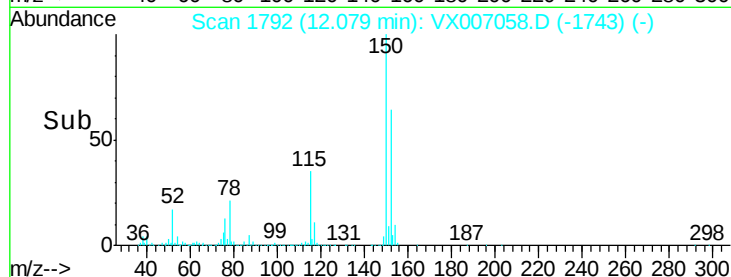
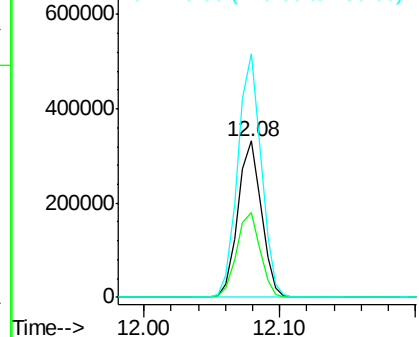
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007058.D
Acq: 15 Jan 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
SW001-190114-01

Tot Ion:152 Resp: 400618
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.2
150 155.4 0.0 344.8



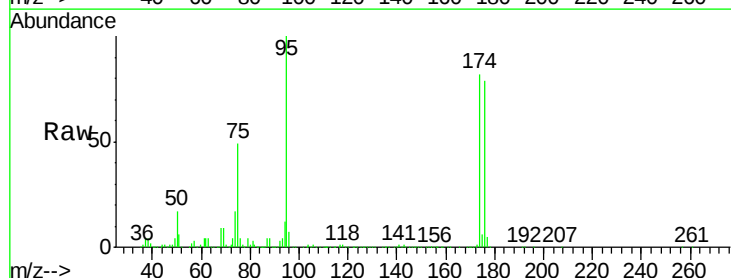
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



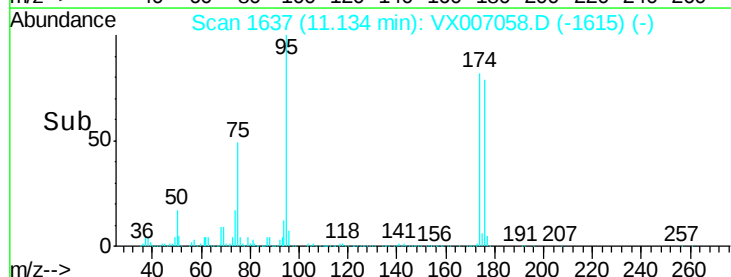
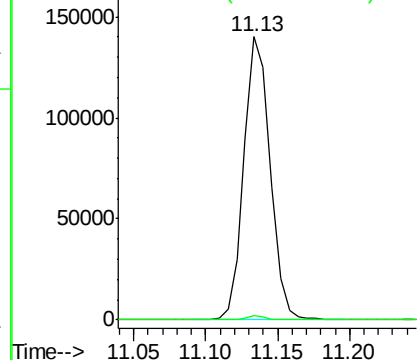
#76

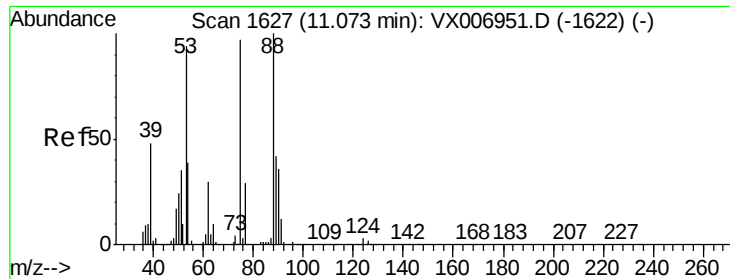
1,2,3-Trichloropropane
Concen: 21.793 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007058.D
Acq: 15 Jan 2019 15:07

Tgt Ion: 75 Resp: 176925
Ion Ratio Lower Upper
75 100
77 1.4 18.5 55.5#



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: 64.576 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

SW001-190114-01

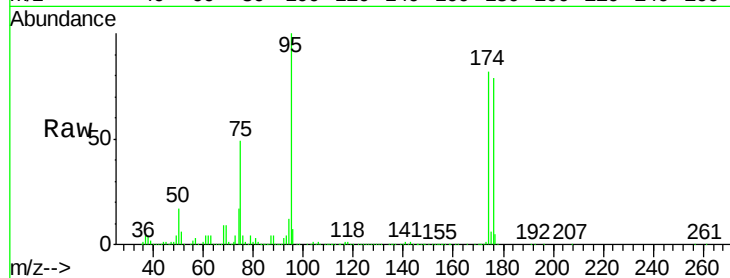
Tot Ion: 75 Resp: 176925

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

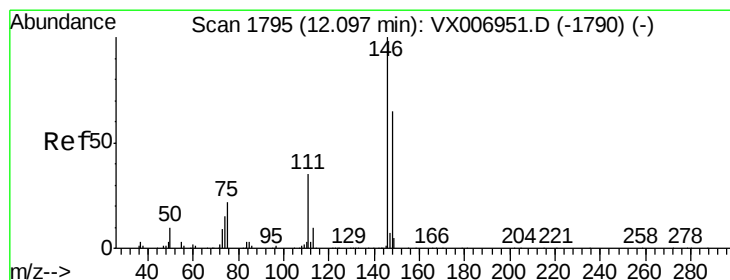
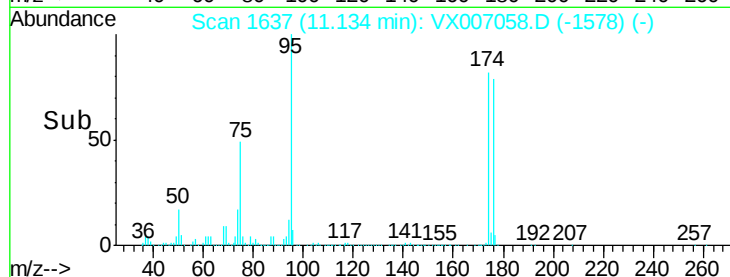
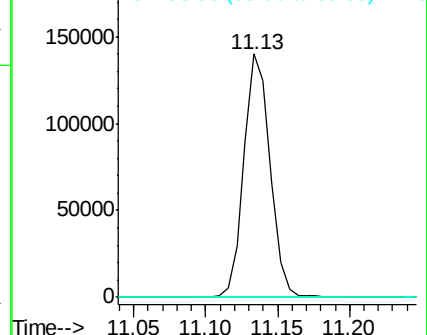
89 0.1 38.0 57.0#



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



#88

1,4-Dichlorobenzene

Concen: 0.200 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

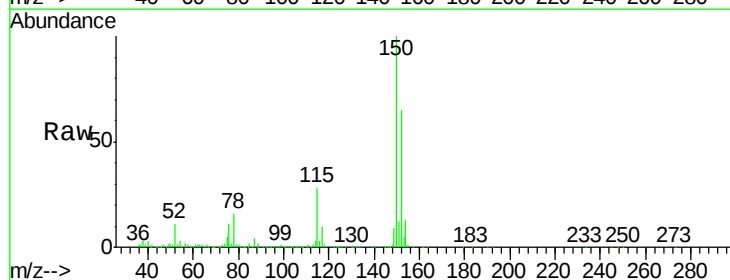
Tgt Ion: 146 Resp: 738

Ion Ratio Lower Upper

146 100

111 675.6 18.1 54.1#

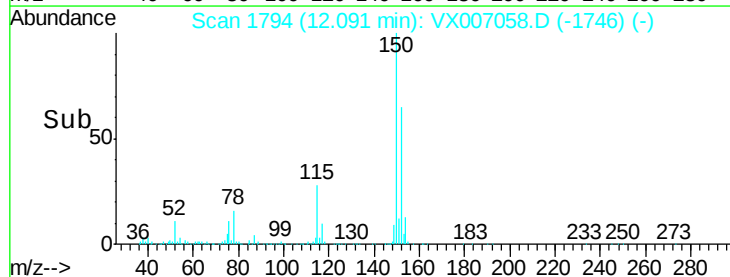
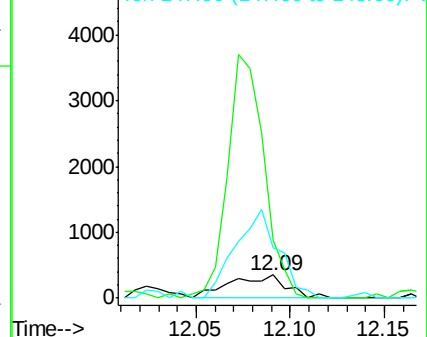
148 289.3 31.9 95.9#

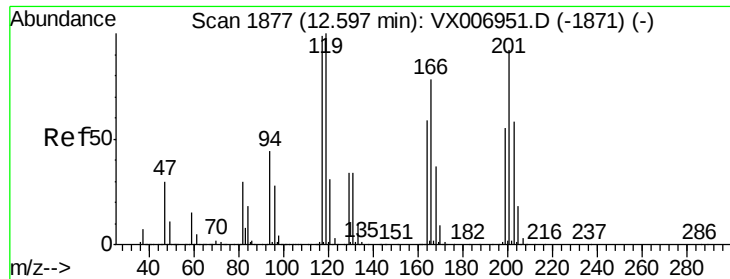


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 3.818 ug/l

RT: 12.47 min Scan# 1856

Delta R.T. -0.13 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

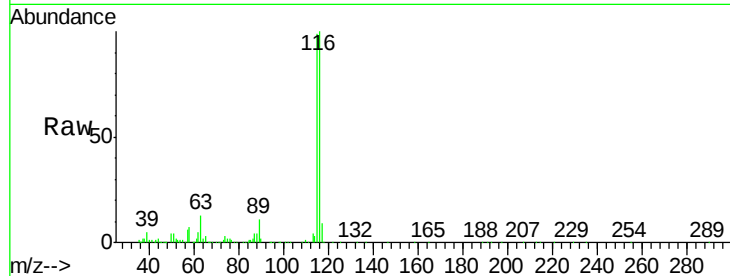
SW001-190114-01

Tot Ion:117 Resp: 3878

Ion Ratio Lower Upper

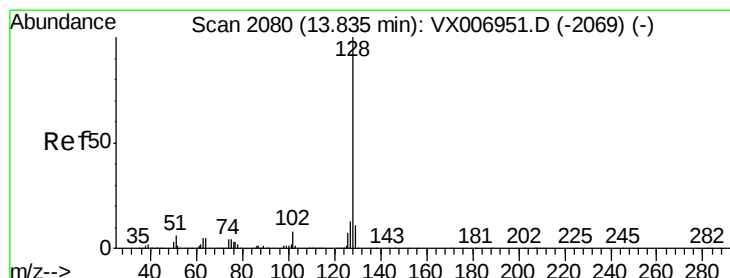
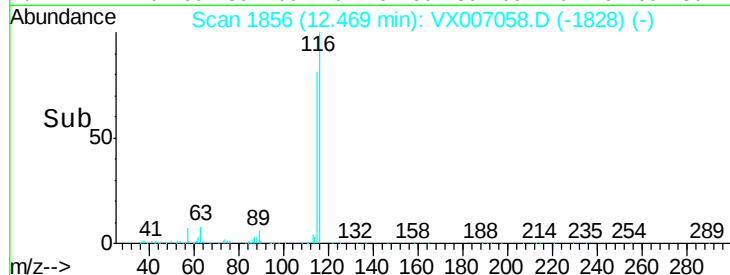
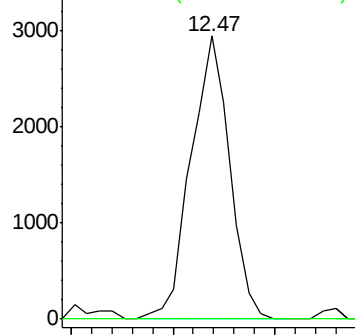
117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 18.705 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007058.D

Acq: 15 Jan 2019 15:07

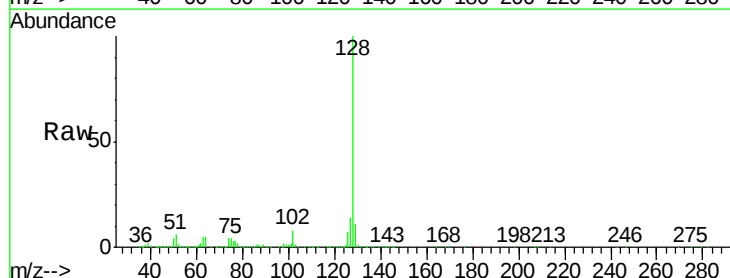
Tgt Ion:128 Resp: 539908

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 11.2 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

