

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
 Data File : VX007262.D
 Acq On : 28 Jan 2019 15:59
 Operator : JC/SP
 Sample : K1244-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Jan 29 00:18:22 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	525690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	801318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	758704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374687	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	279011	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
35) Dibromofluoromethane	5.51	113	252414	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	964357	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.13	95	345437	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

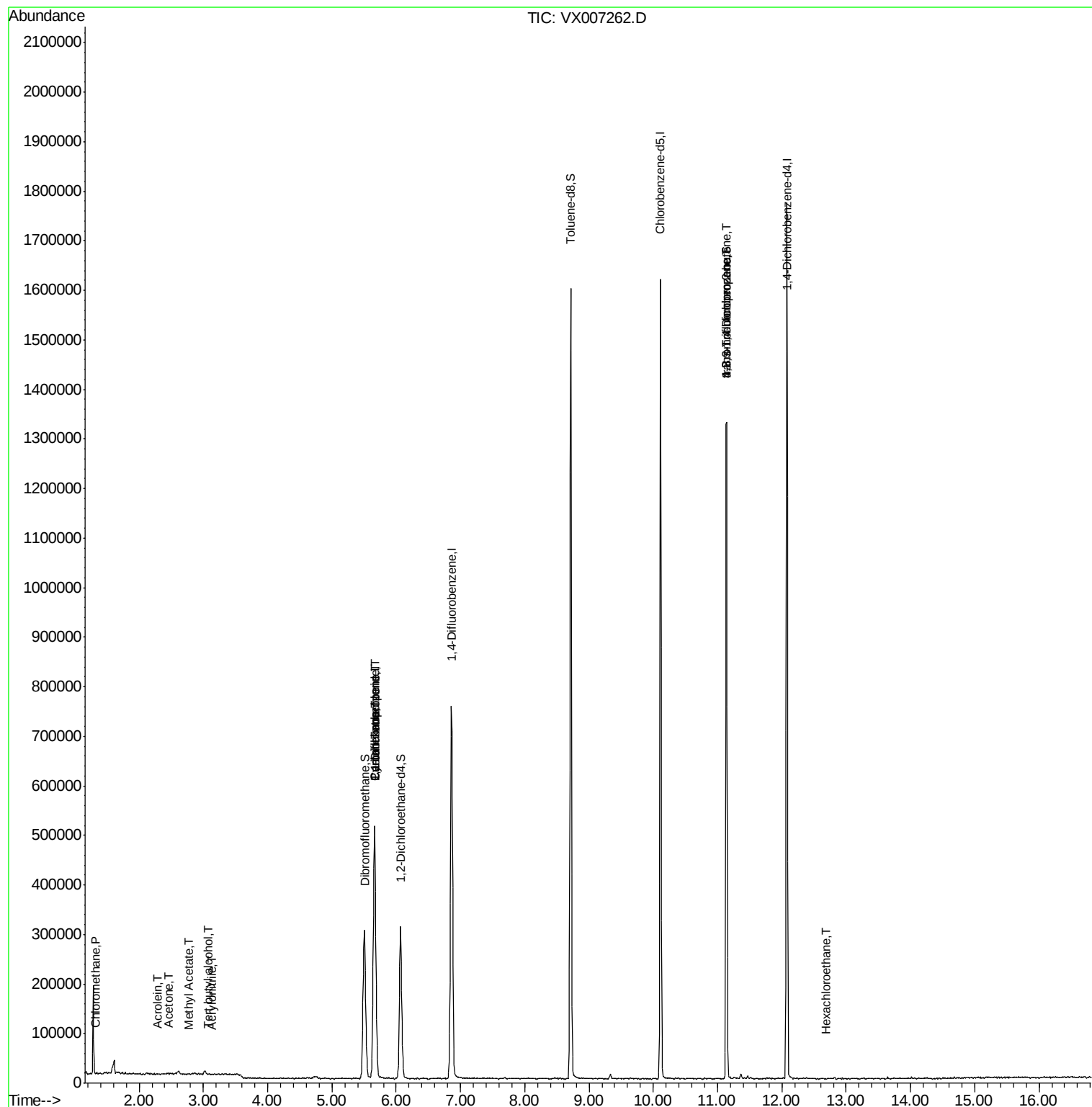
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1244	0.248	ug/l #	75
11) Tert butyl alcohol	3.09	59	336	0.259	ug/l #	1
13) Acrolein	2.29	56	334	3.674	ug/l	92
15) Acrylonitrile	3.13	53	792	0.266	ug/l #	58
16) Acetone	2.45	43	3254	1.198	ug/l #	87
18) Methyl Acetate	2.78	43	1678	0.213	ug/l #	68
20) Methylene Chloride	2.87	84	1770	Below Cal	#	83
31) Cyclohexane	5.66	56	8929	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	33151	4.758	ug/l #	49
38) Carbon Tetrachloride	5.66	117	47293	6.747	ug/l #	14
49) 1,4-Dioxane	7.77	88	49	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	167586	22.072	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	167586	65.352	ug/l #	10
90) Hexachloroethane	12.68	117	50	2.921	ug/l	54

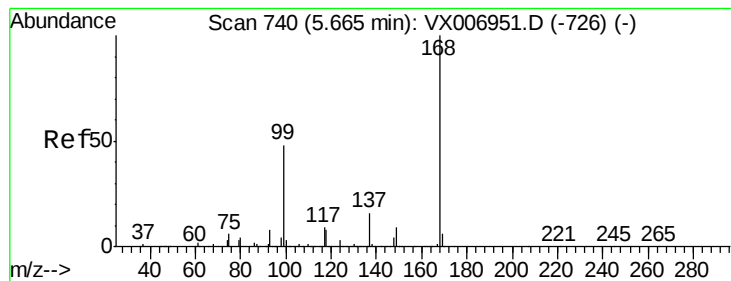
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

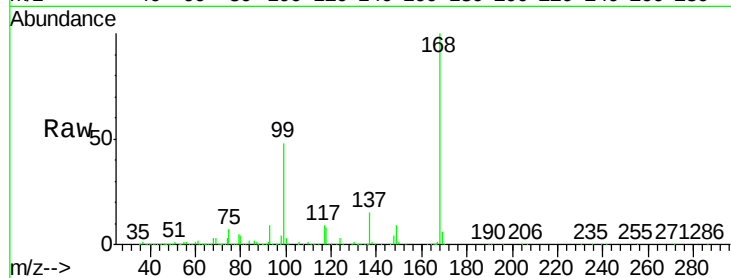
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 525690

Ion Ratio Lower Upper

168 100

99 48.2 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

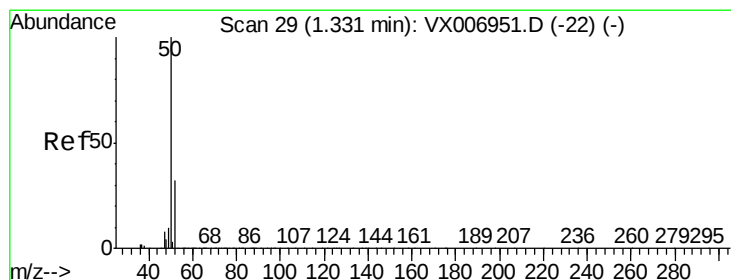
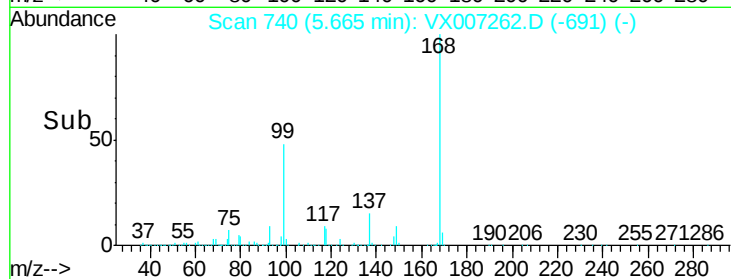
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.248 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007262.D

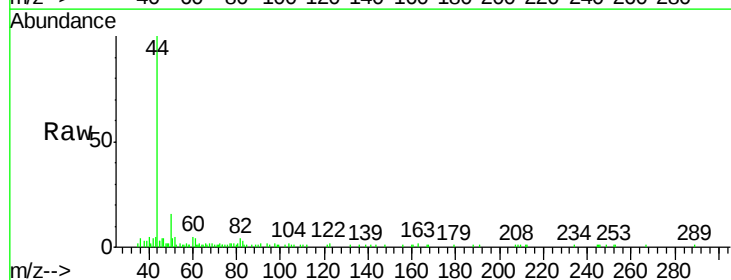
Acq: 28 Jan 2019 15:59

Tgt Ion: 50 Resp: 1244

Ion Ratio Lower Upper

50 100

52 17.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

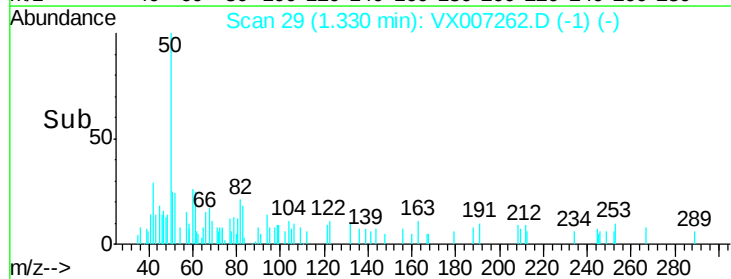
1.33

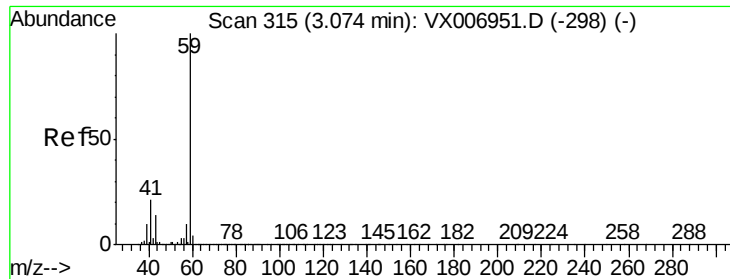
1000

500

0

Time--> 1.30 1.35



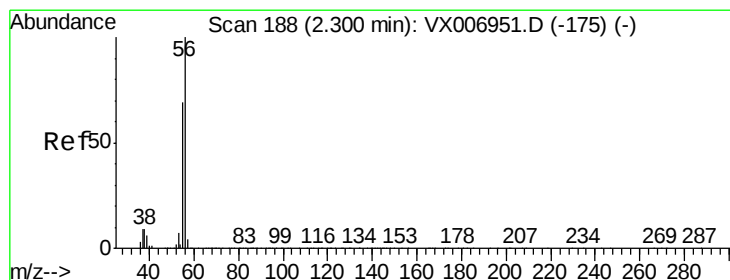
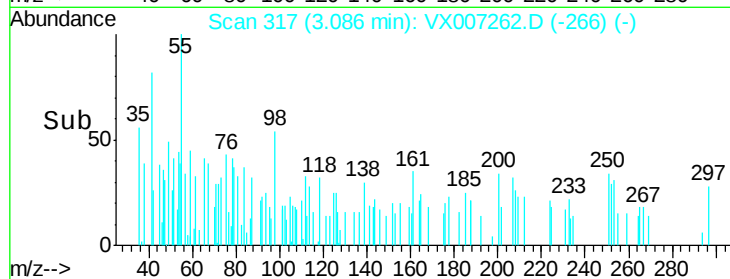
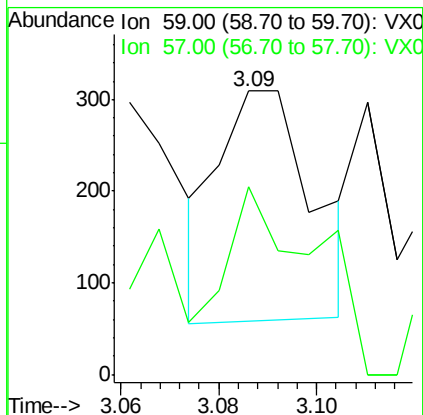
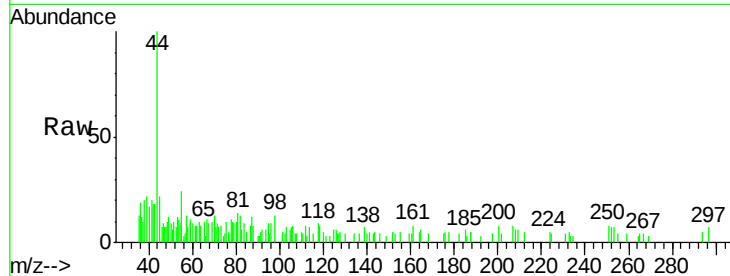


#11

Tert butyl alcohol
 Concen: 0.259 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX007262.D
 Acq: 28 Jan 2019 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

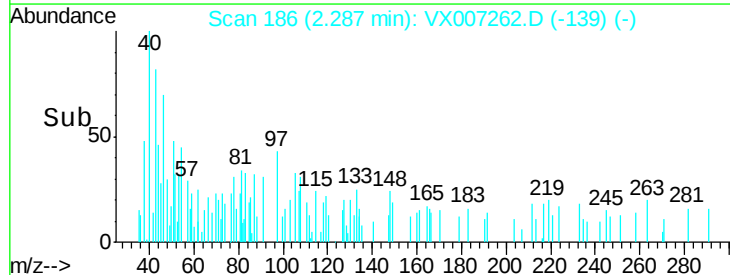
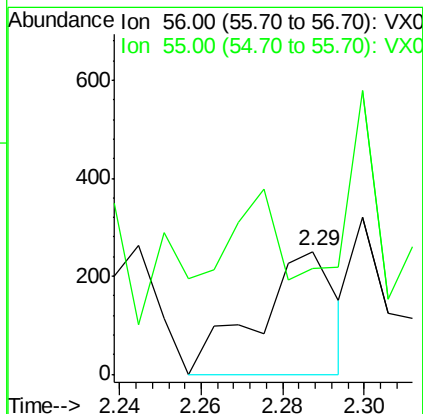
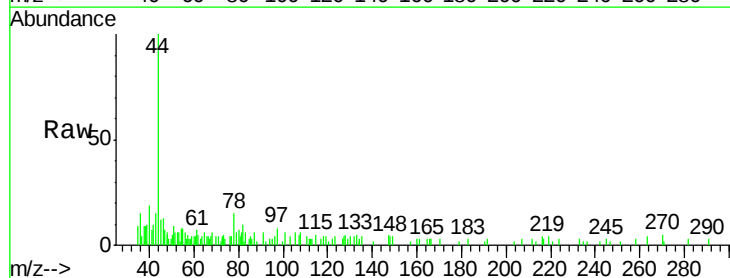
Tot Ion: 59 Resp: 336
 Ion Ratio Lower Upper
 59 100
 57 78.3 8.5 12.7#

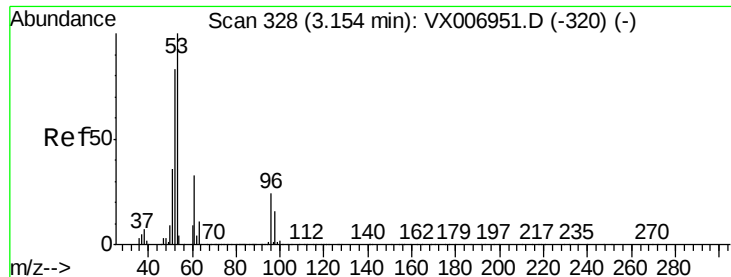


#13

Acrolein
 Concen: 3.674 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX007262.D
 Acq: 28 Jan 2019 15:59

Tgt Ion: 56 Resp: 334
 Ion Ratio Lower Upper
 56 100
 55 79.6 58.2 87.4





#15

Acrylonitrile

Concen: 0.266 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.02 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

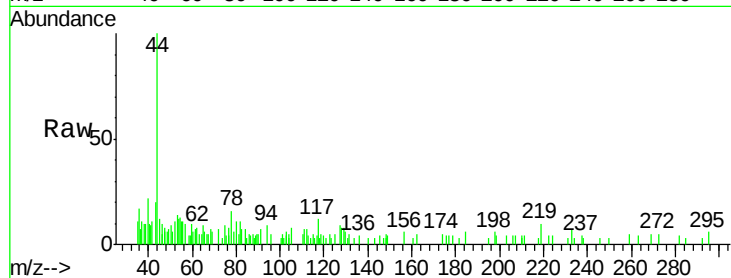
Tot Ion: 53 Resp: 792

Ion Ratio Lower Upper

53 100

52 43.2 66.0 99.0#

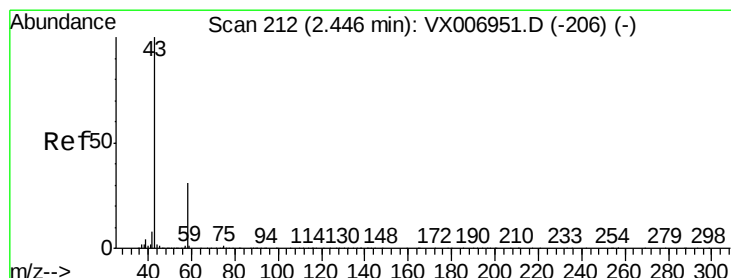
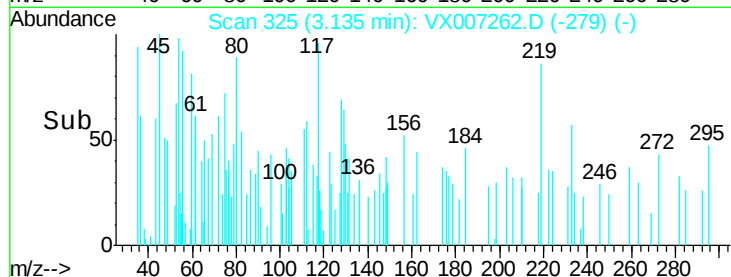
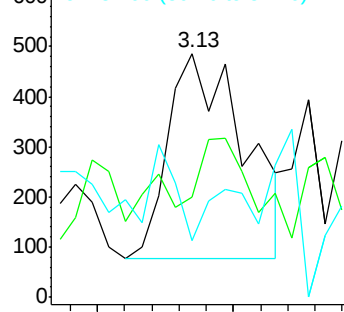
51 14.1 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.198 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007262.D

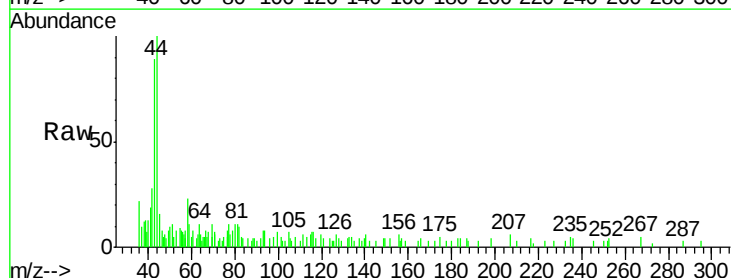
Acq: 28 Jan 2019 15:59

Tgt Ion: 43 Resp: 3254

Ion Ratio Lower Upper

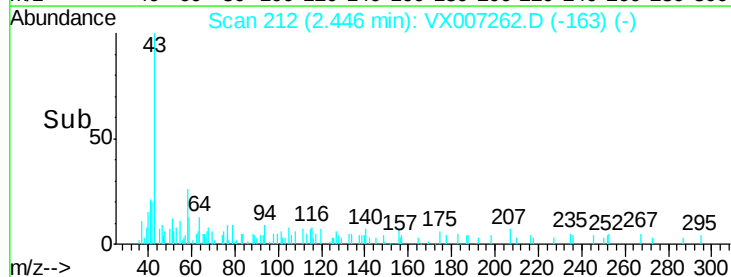
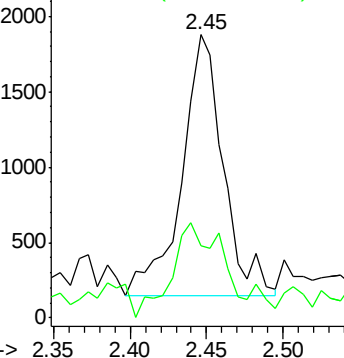
43 100

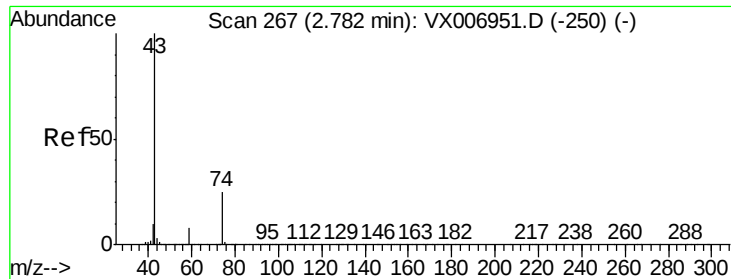
58 24.2 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

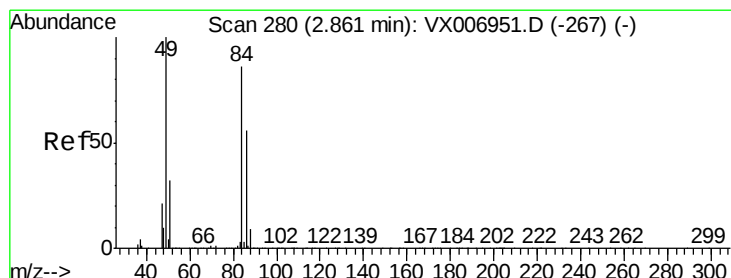
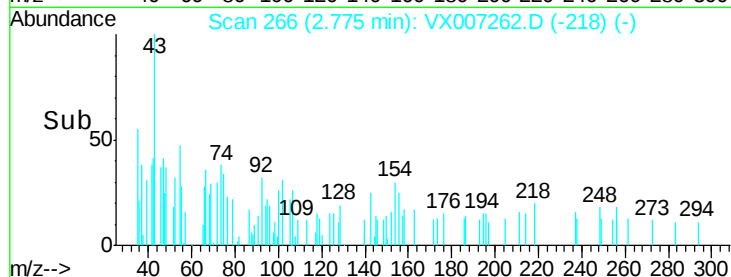
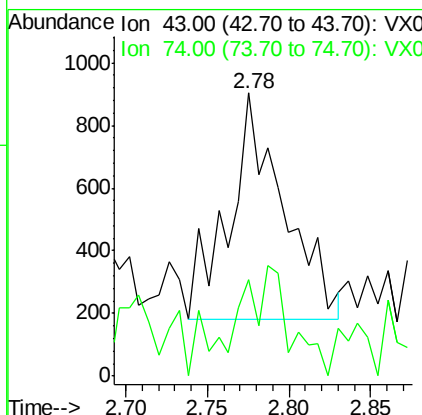
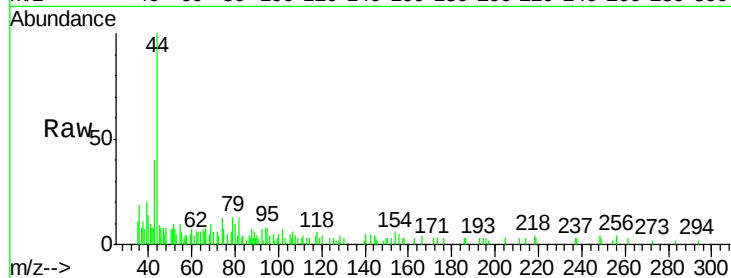




#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007262.D
Acq: 28 Jan 2019 15:59

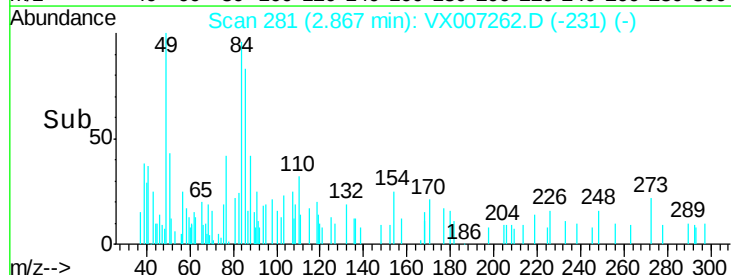
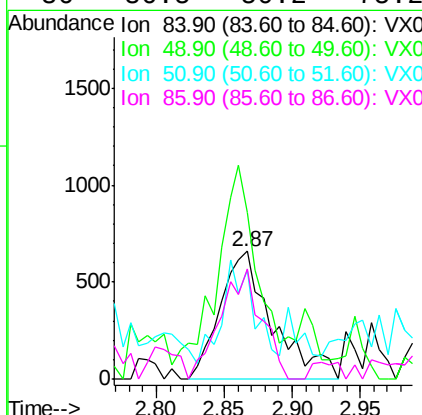
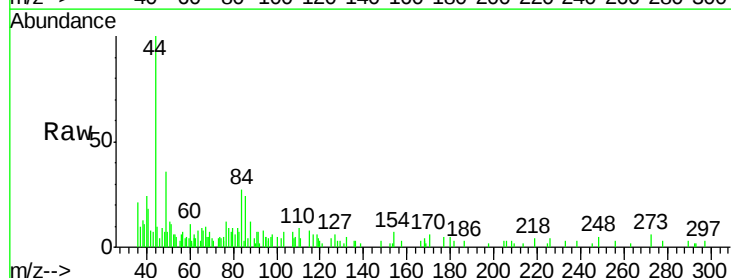
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

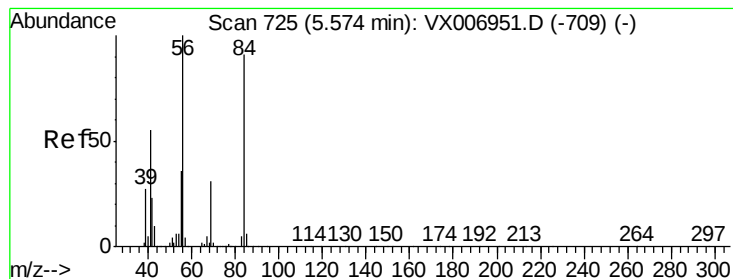
Tot Ion: 43 Resp: 1678
Ion Ratio Lower Upper
43 100
74 38.9 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX007262.D
Acq: 28 Jan 2019 15:59

Tgt Ion: 84 Resp: 1770
Ion Ratio Lower Upper
84 100
49 113.3 91.8 137.6
51 62.0 28.5 42.7#
86 86.5 50.2 75.2#





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

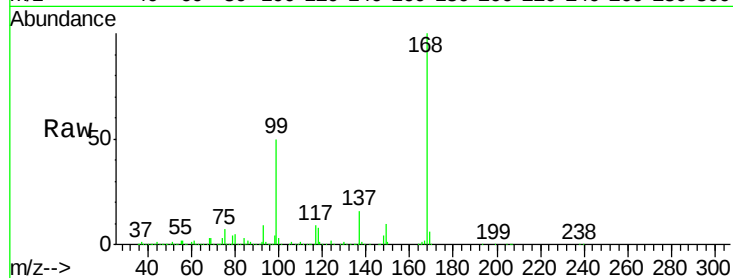
Tot Ion: 56 Resp: 8929

Ion Ratio Lower Upper

56 100

69 185.3 24.4 36.6#

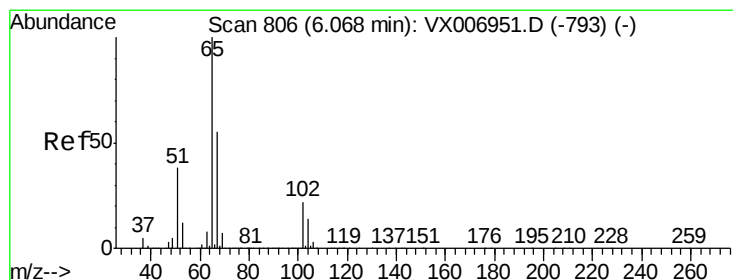
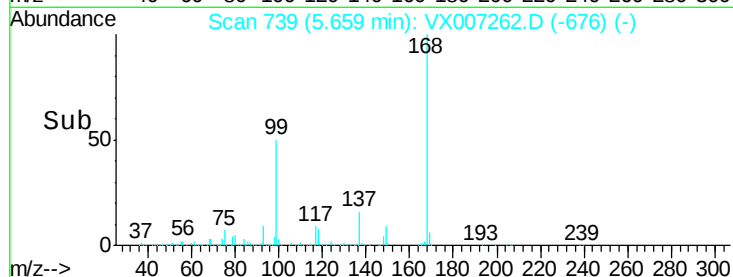
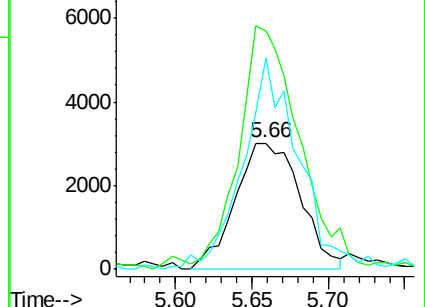
84 152.8 70.0 105.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.786 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007262.D

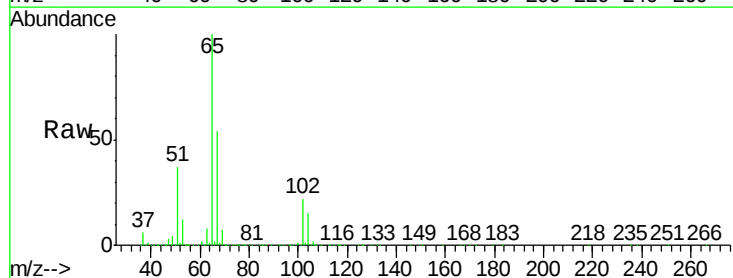
Acq: 28 Jan 2019 15:59

Tgt Ion: 65 Resp: 279011

Ion Ratio Lower Upper

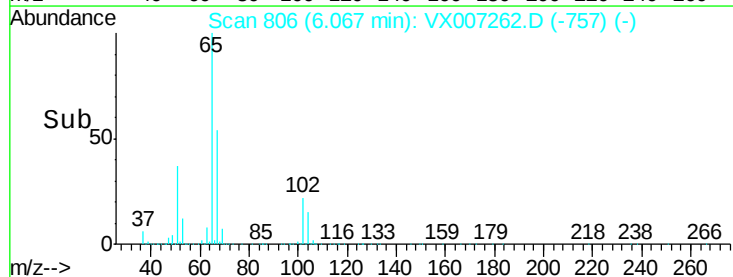
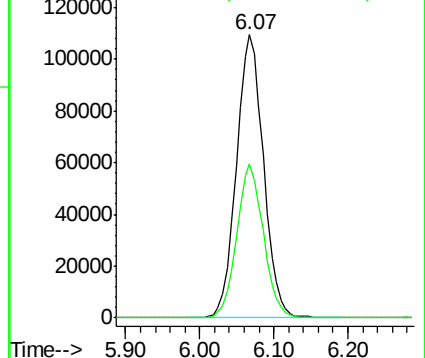
65 100

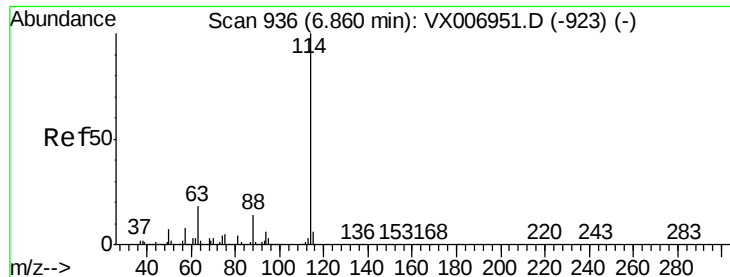
67 53.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

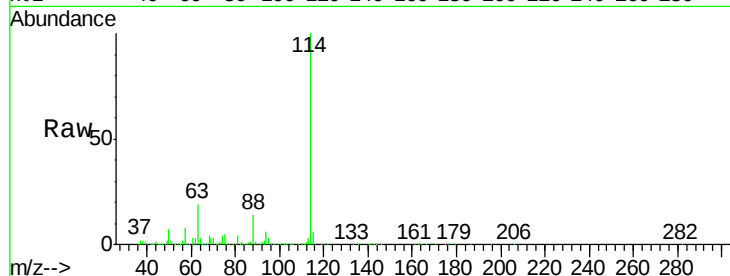
Tot Ion:114 Resp: 801318

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.8

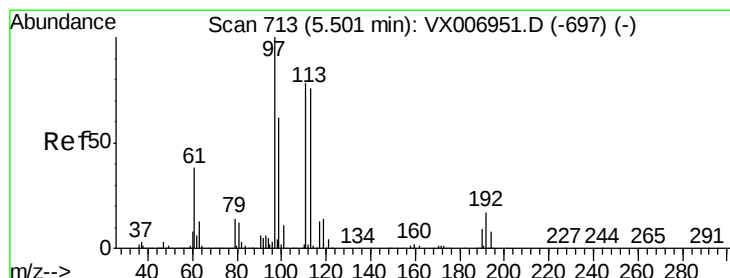
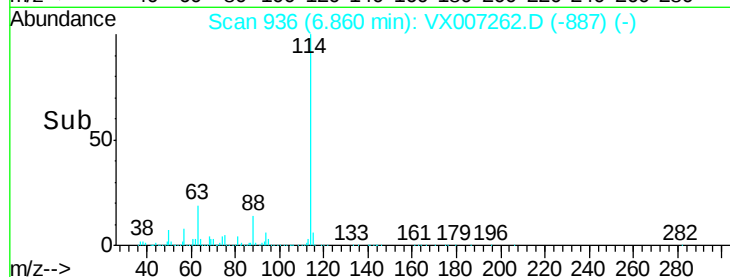
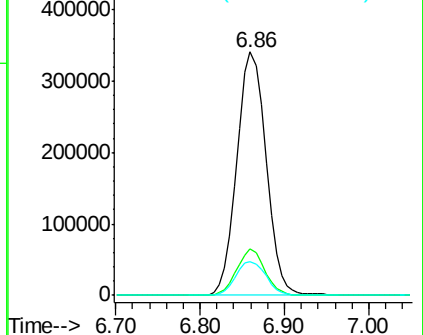
88 14.0 0.0 28.8



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: 49.188 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

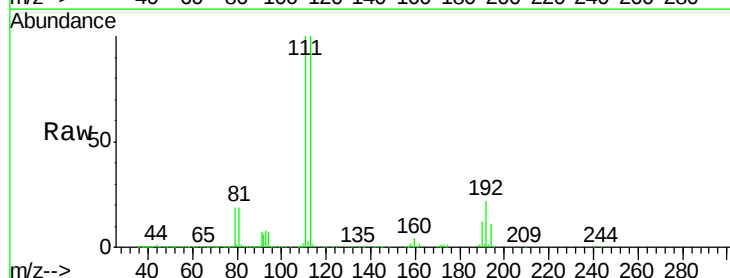
Tgt Ion:113 Resp: 252414

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

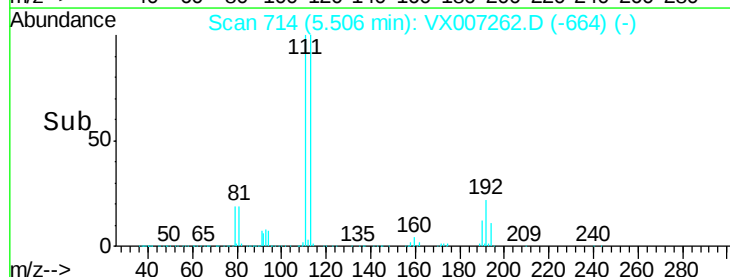
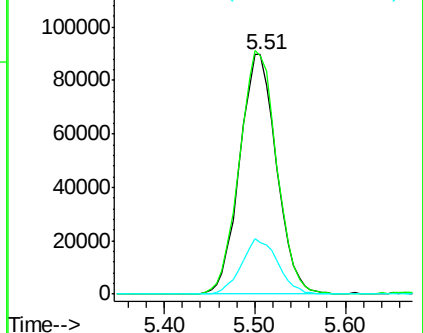
192 22.9 16.7 25.1

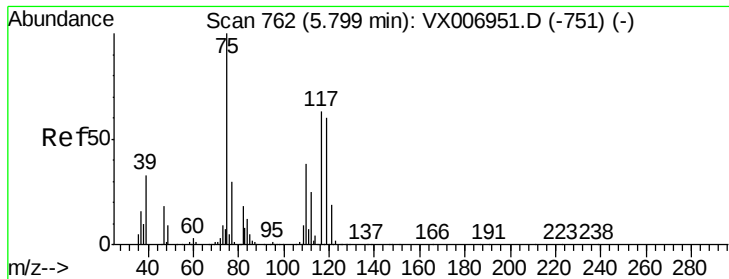


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.758 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

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STORAGE-BLANK-WATER-REF-5

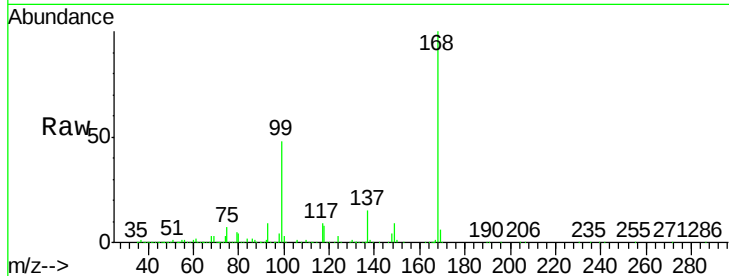
Tot Ion: 75 Resp: 33151

Ion Ratio Lower Upper

75 100

110 10.8 20.2 60.5#

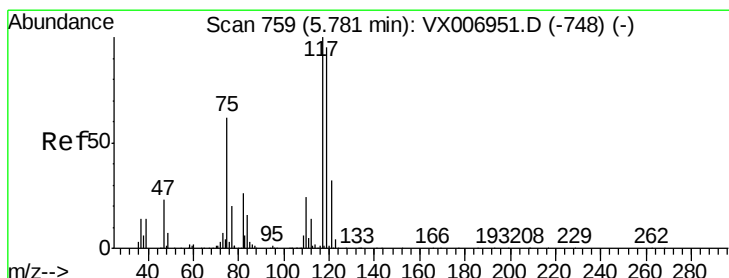
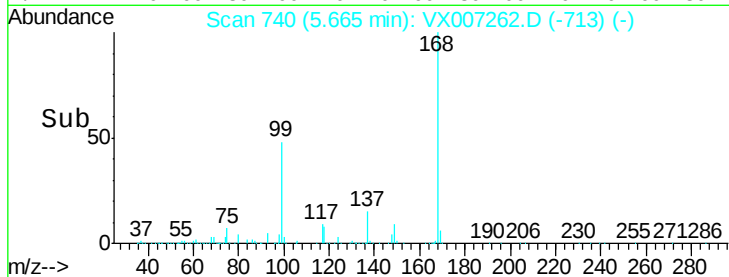
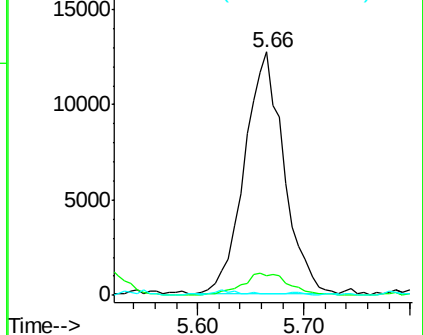
77 0.0 24.8 37.2#



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: 6.747 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

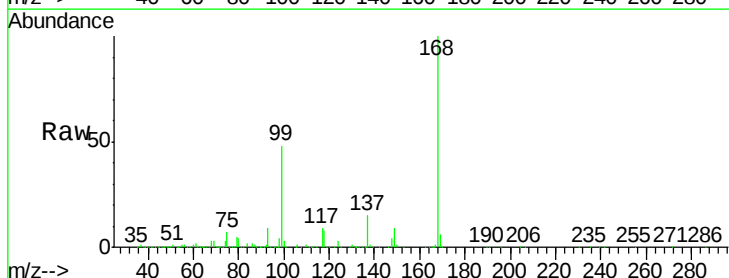
Tgt Ion: 117 Resp: 47293

Ion Ratio Lower Upper

117 100

119 4.6 79.4 119.2#

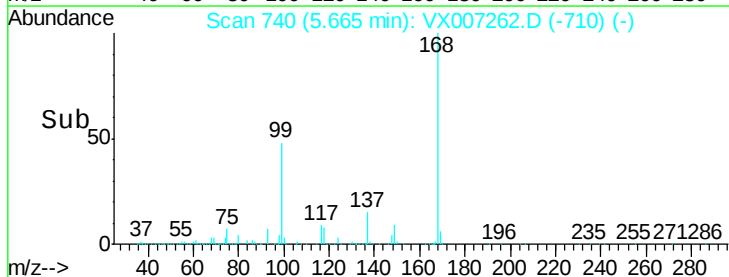
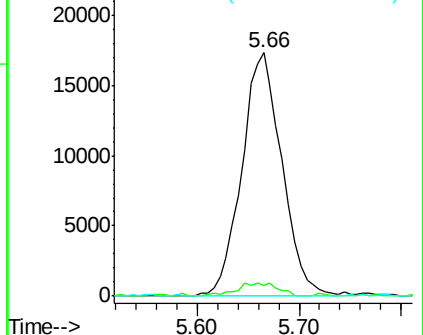
121 0.0 24.0 36.0#

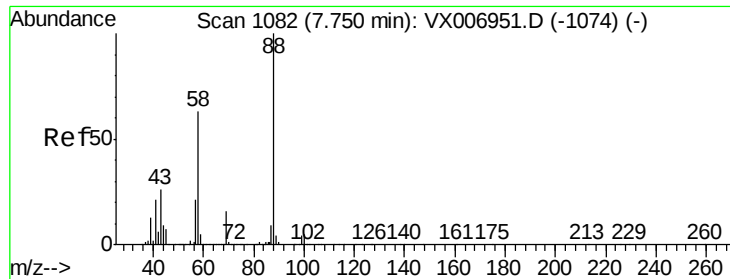


Abundance Ion 116.80 (116.50 to 117.50): V

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: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

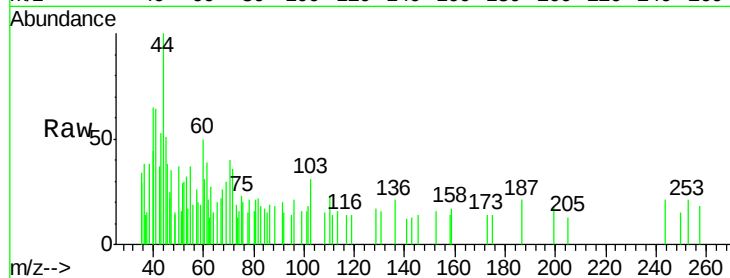
MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 88 Resp: 49

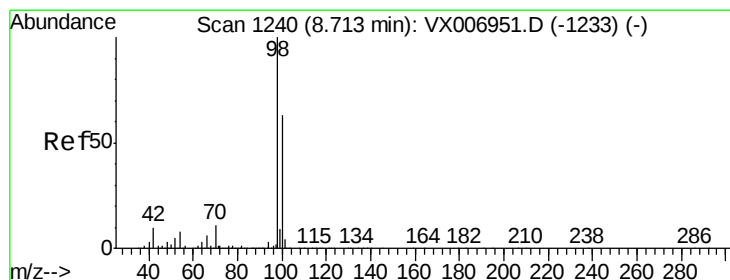
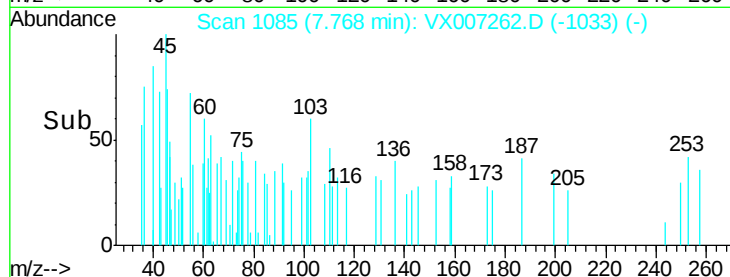
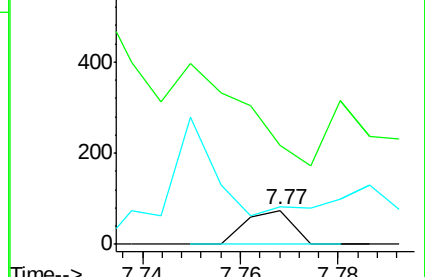
Ion	Ratio	Lower	Upper
88	100		
43	479.6	22.2	33.4#
58	0.0	51.0	76.4#



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: 51.341 ug/l

RT: 8.71 min Scan# 1240

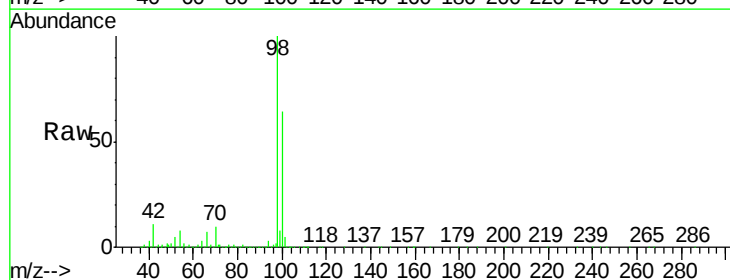
Delta R.T. -0.00 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

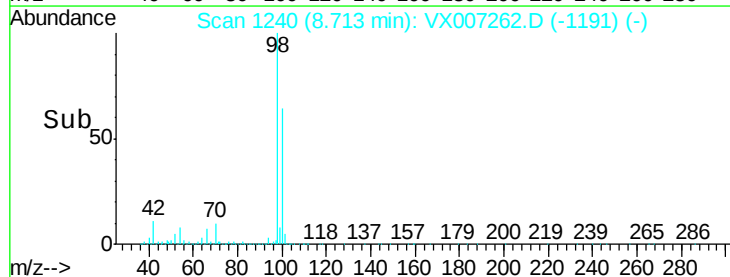
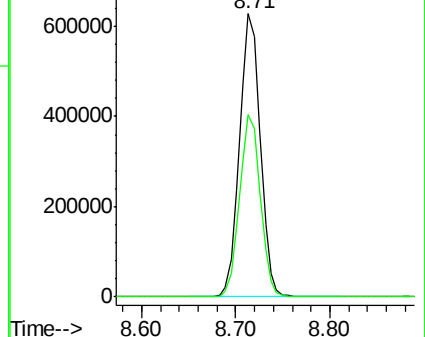
Tgt Ion: 98 Resp: 964357

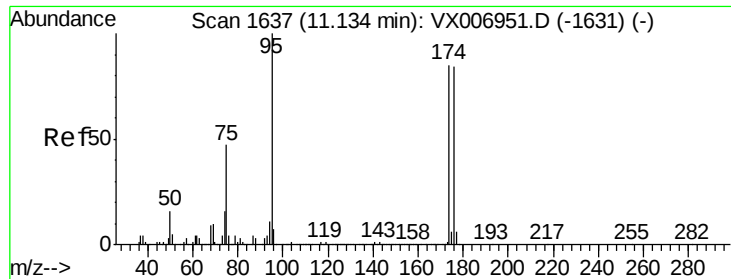
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.752 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

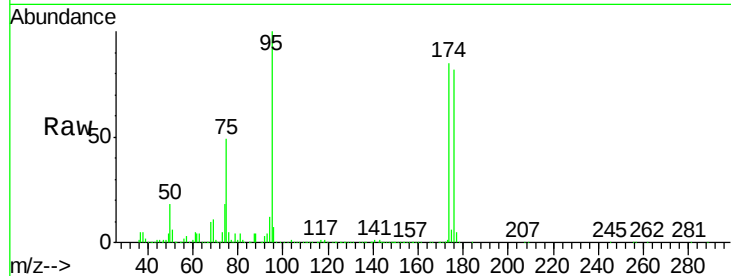
Tot Ion: 95 Resp: 345437

Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.2

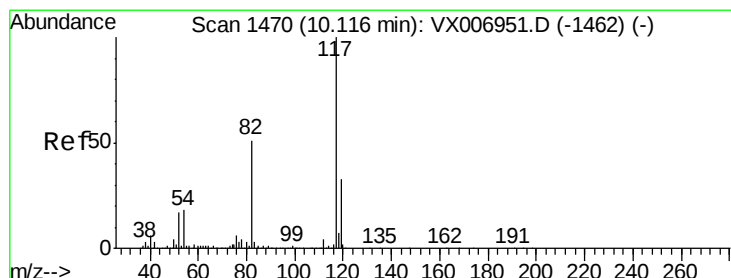
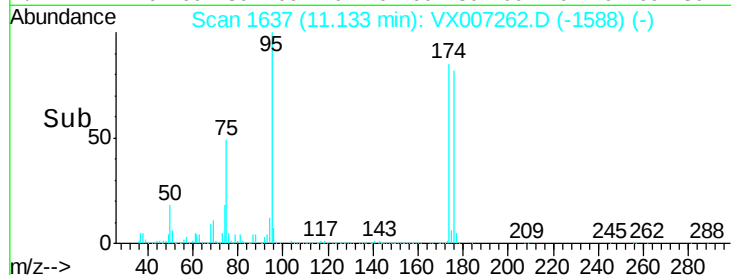
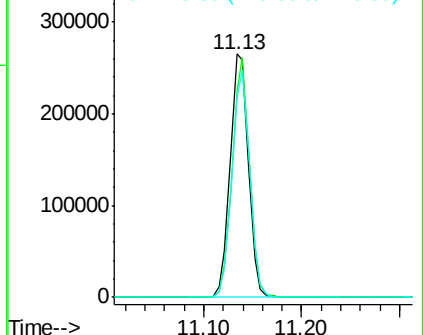
176 90.1 0.0 178.8



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: VX007262.D

Acq: 28 Jan 2019 15:59

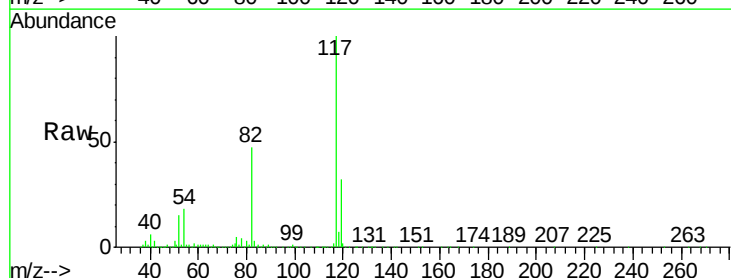
Tgt Ion: 117 Resp: 758704

Ion Ratio Lower Upper

117 100

82 47.2 41.0 61.6

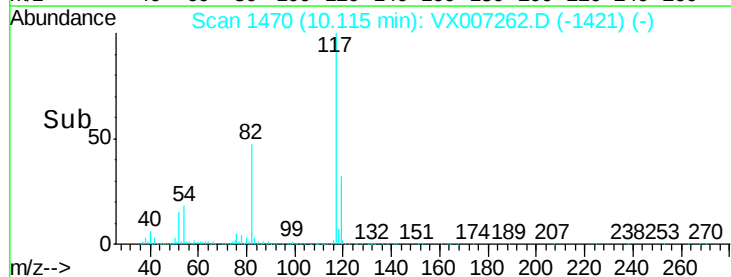
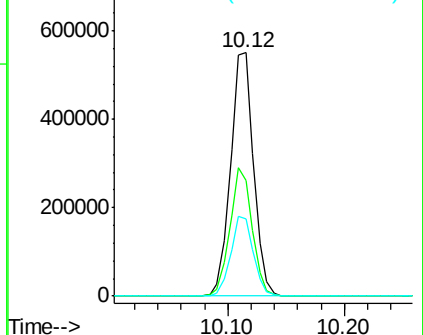
119 31.7 25.4 38.0

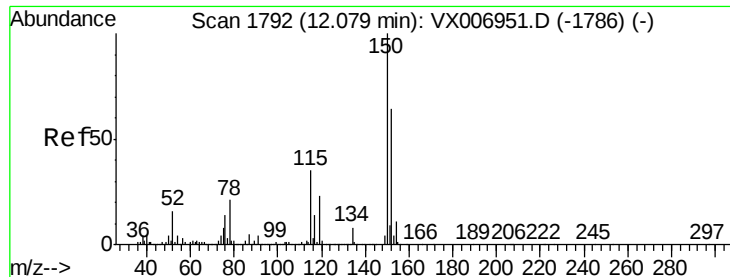


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



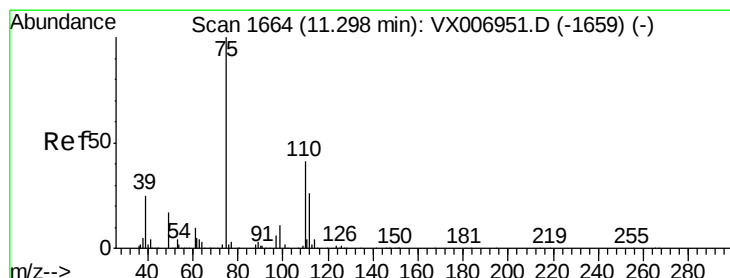
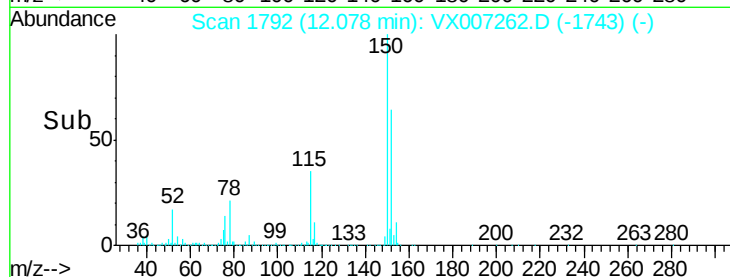
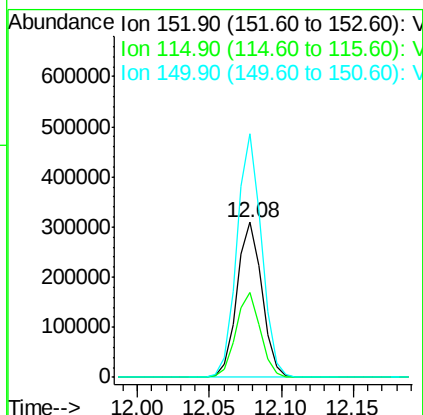
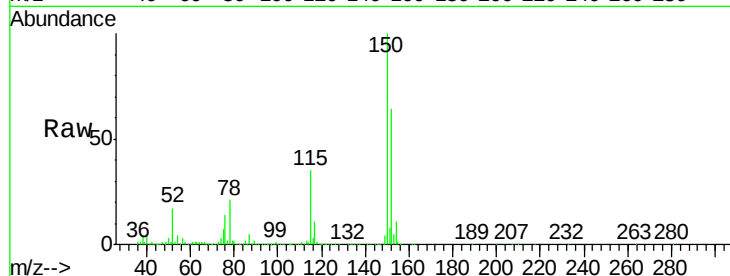


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007262.D
Acq: 28 Jan 2019 15:59

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

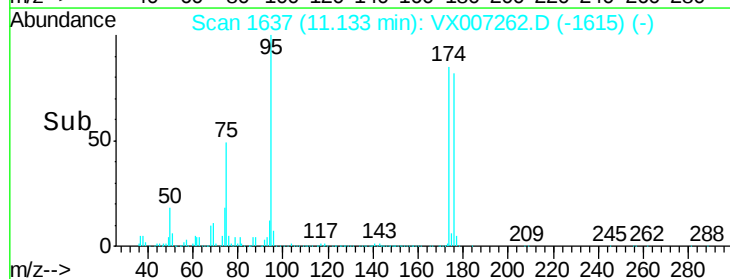
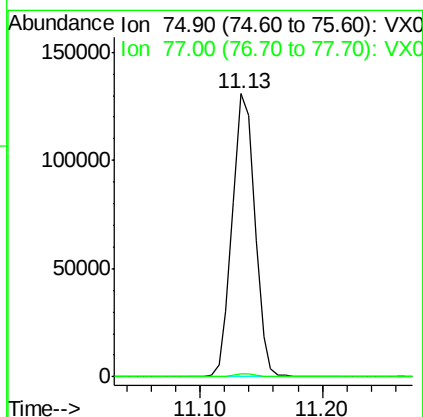
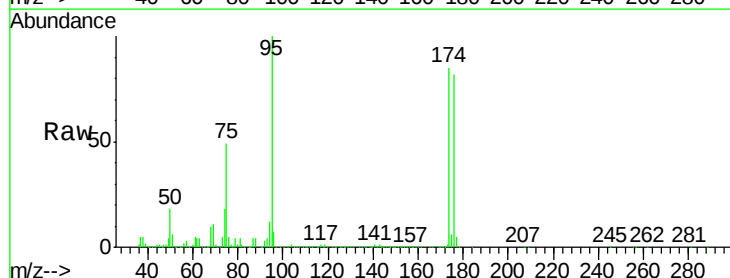
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	39.1	117.2
150	155.5	0.0	344.8

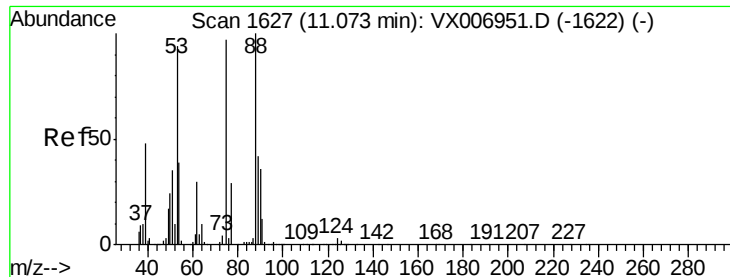


#76

1,2,3-Trichloropropane
Concen: 22.072 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007262.D
Acq: 28 Jan 2019 15:59

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





#81

trans-1,4-Dichloro-2-butene

Concen: 65.352 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007262.D

Acq: 28 Jan 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

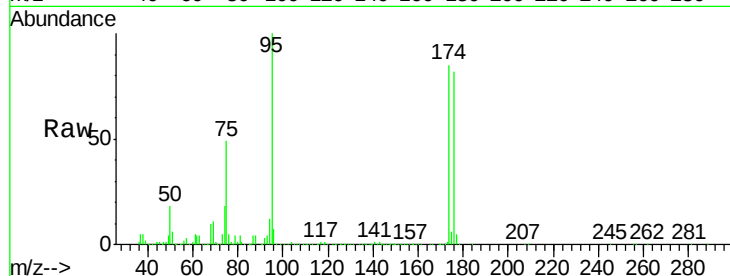
Tot Ion: 75 Resp: 167586

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

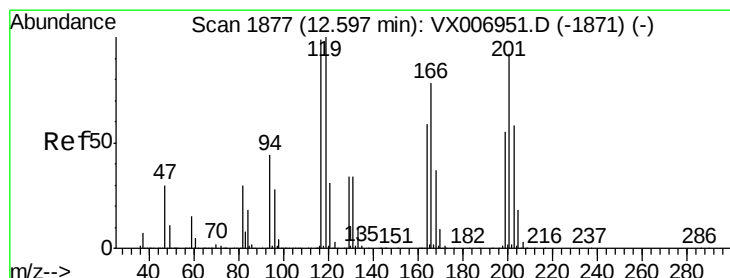
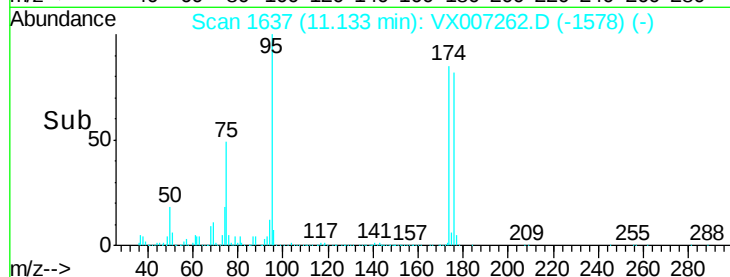
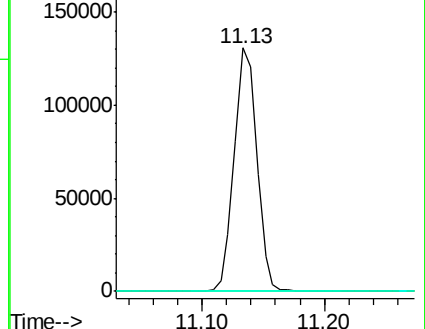
89 0.0 38.0 57.0#



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



#90

Hexachloroethane

Concen: 2.921 ug/l

RT: 12.68 min Scan# 1890

Delta R.T. 0.08 min

Lab File: VX007262.D

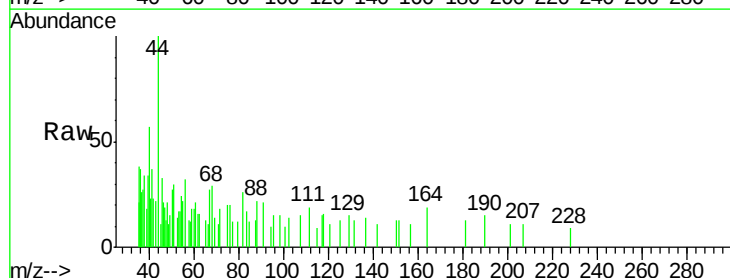
Acq: 28 Jan 2019 15:59

Tgt Ion: 117 Resp: 50

Ion Ratio Lower Upper

117 100

201 44.0 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

