

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007094.D
 Acq On : 17 Jan 2019 17:36
 Operator : JC/SP
 Sample : K1172-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0499-190114

Quant Time: Jan 18 05:01:21 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	579886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	836245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	413647	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	309184	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	5.50	113	274266	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.71	98	1068449	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.13	95	378273	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

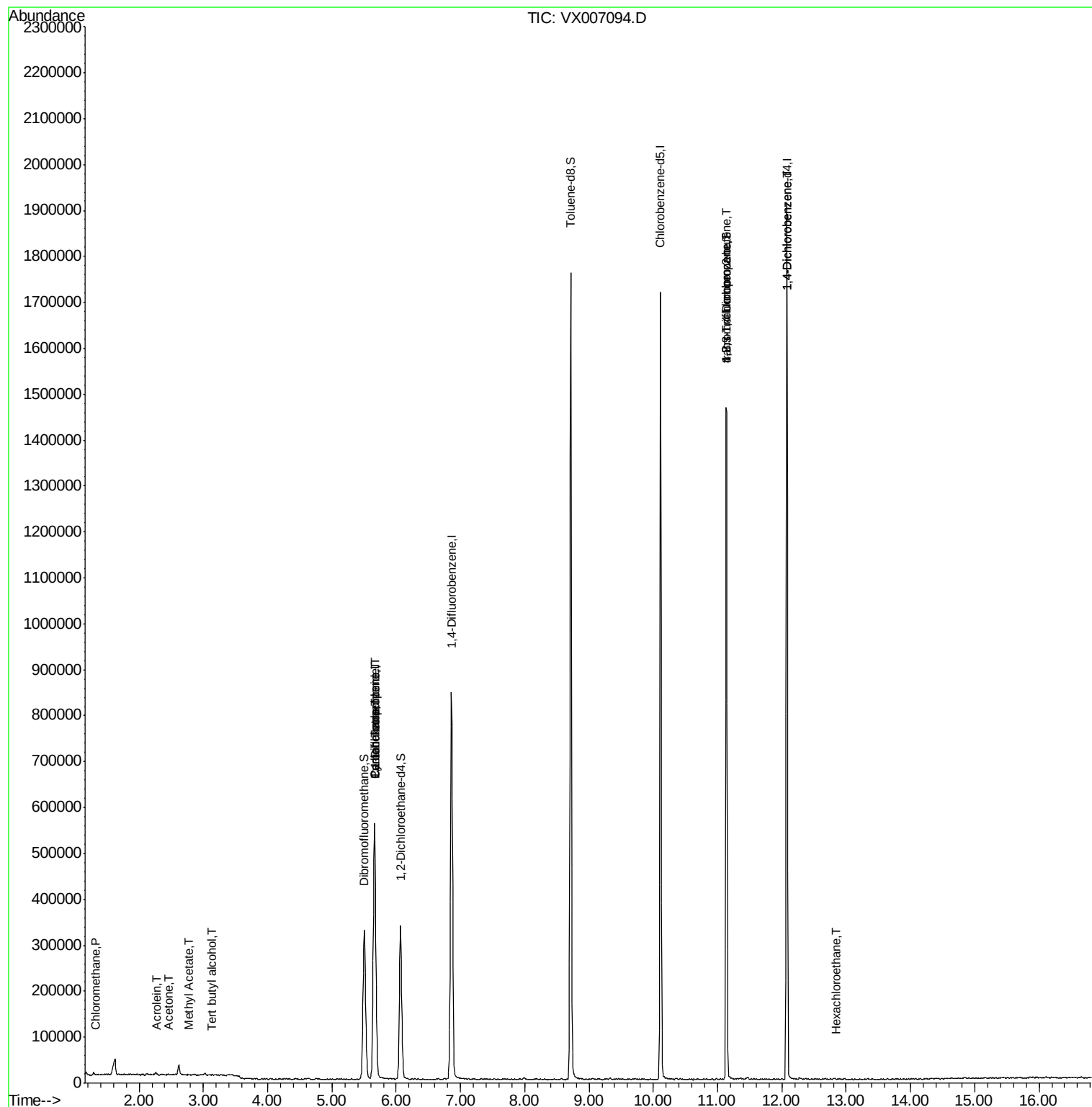
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1616	0.292	ug/l #	40
11) Tert butyl alcohol	3.12	59	373	0.261	ug/l #	72
13) Acrolein	2.28	56	313	3.586	ug/l #	1
16) Acetone	2.45	43	2686	0.897	ug/l	92
18) Methyl Acetate	2.78	43	1806	0.208	ug/l #	64
20) Methylene Chloride	2.87	84	355	Below Cal	#	39
31) Cyclohexane	5.67	56	9892	1.158	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	37450	4.806	ug/l #	49
38) Carbon Tetrachloride	5.66	117	52158	6.653	ug/l #	14
49) 1,4-Dioxane	7.75	88	19	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	182761	21.803	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	182761	64.603	ug/l #	10
88) 1,4-Dichlorobenzene	12.08	146	907	0.211	ug/l #	1
90) Hexachloroethane	12.85	117	22	2.913	ug/l	55

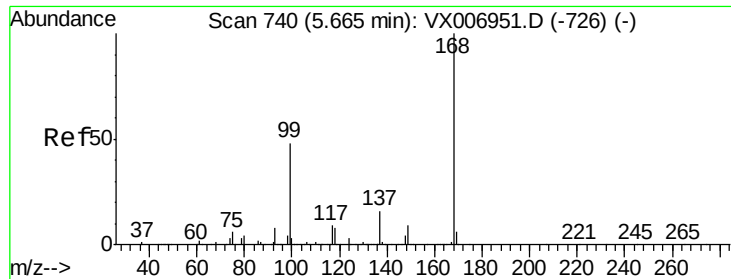
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

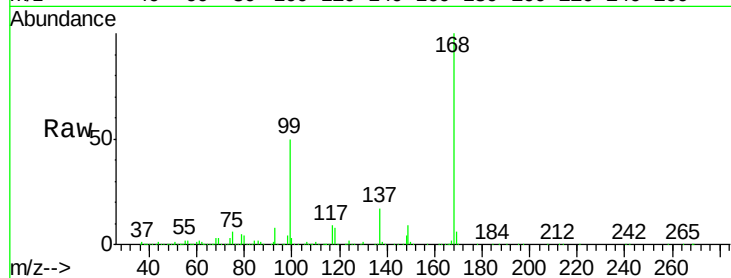
DUP-0499-190114

Tot Ion:168 Resp: 579886

Ion Ratio Lower Upper

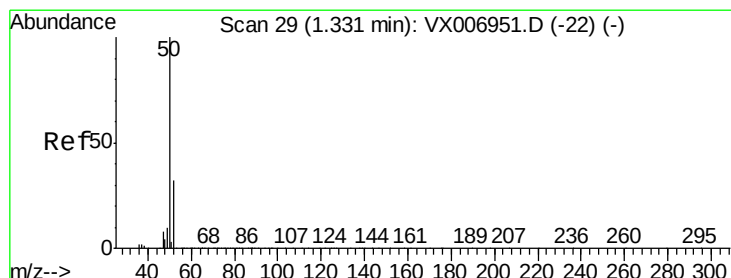
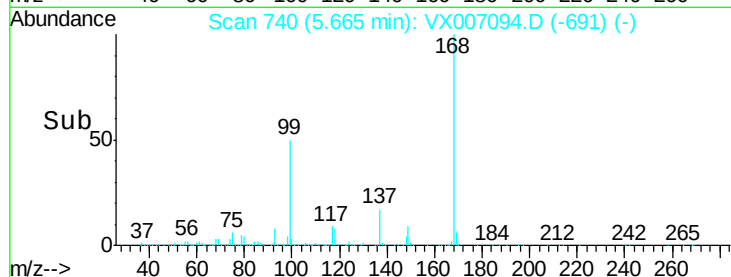
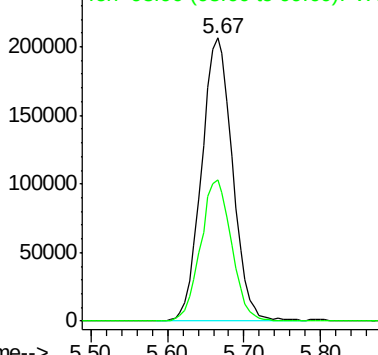
168 100

99 49.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.292 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007094.D

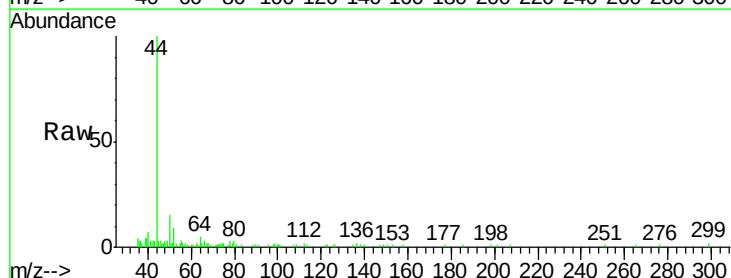
Acq: 17 Jan 2019 17:36

Tgt Ion: 50 Resp: 1616

Ion Ratio Lower Upper

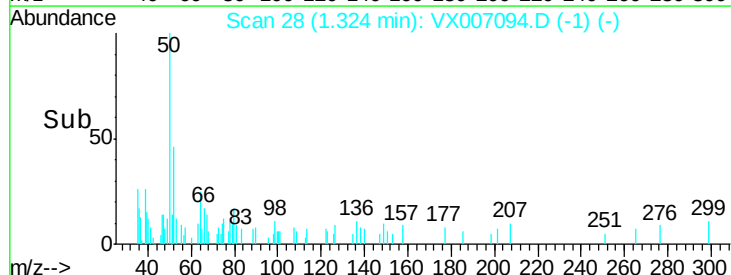
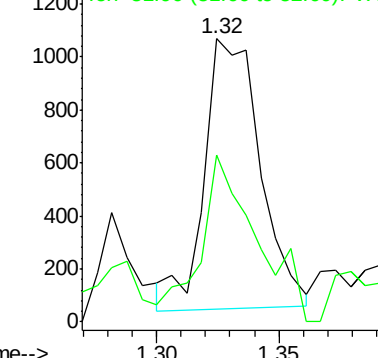
50 100

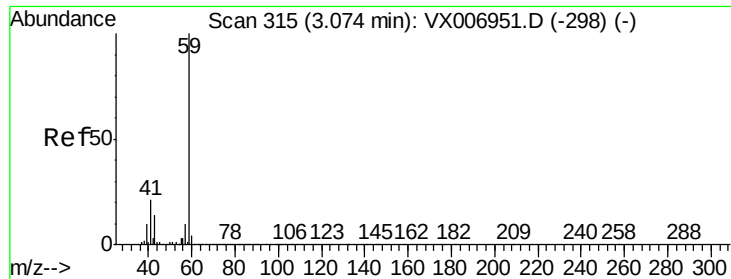
52 65.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

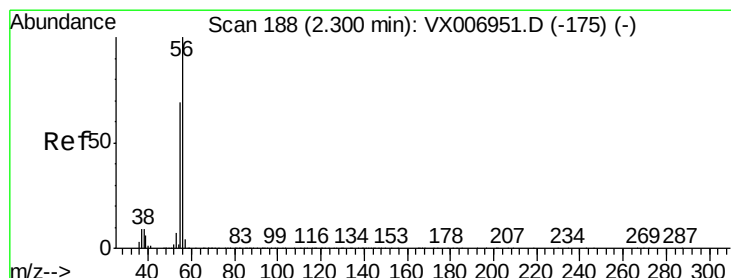
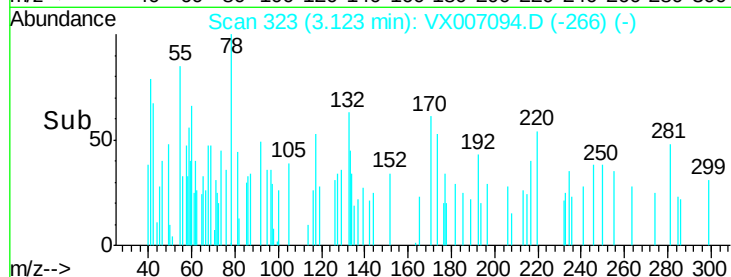
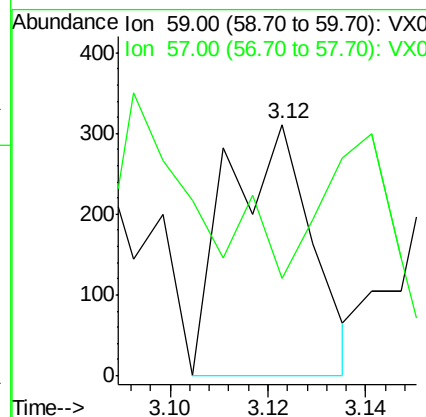
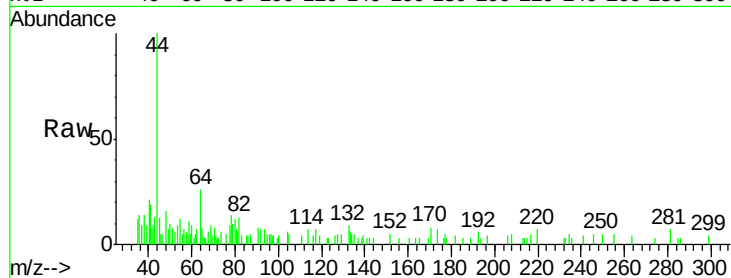




#11
Tert butyl alcohol
Concen: 0.261 ug/l
RT: 3.12 min Scan# 323
Delta R.T. 0.05 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

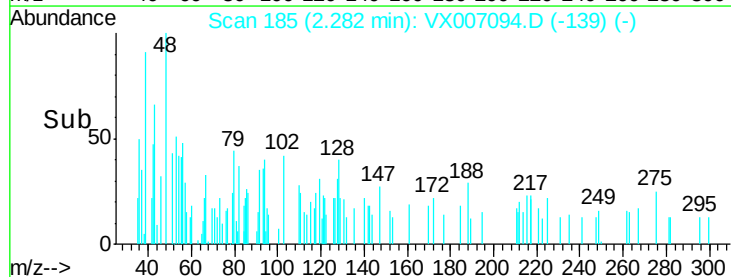
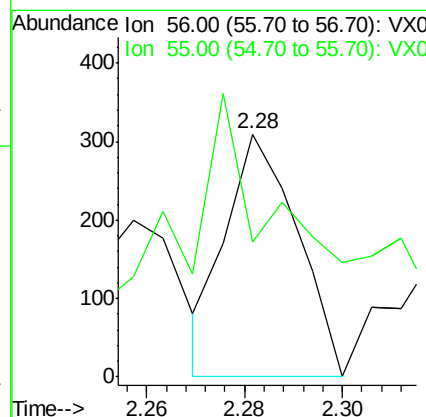
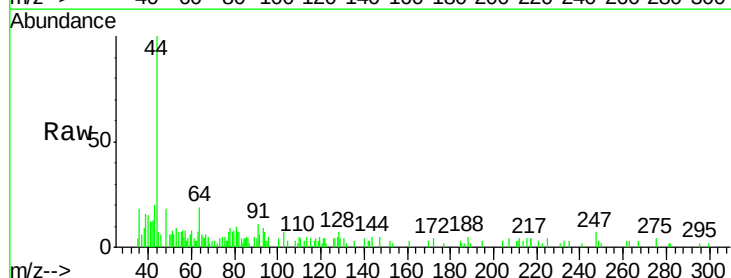
Instrument :
MSVOA_X
ClientSampleId :
DUP-0499-190114

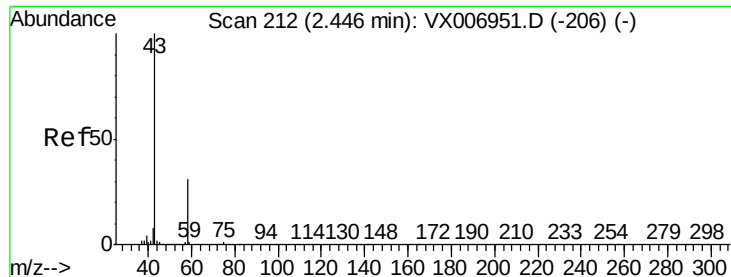
Tot Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 3.586 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.02 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 231.9 58.2 87.4#

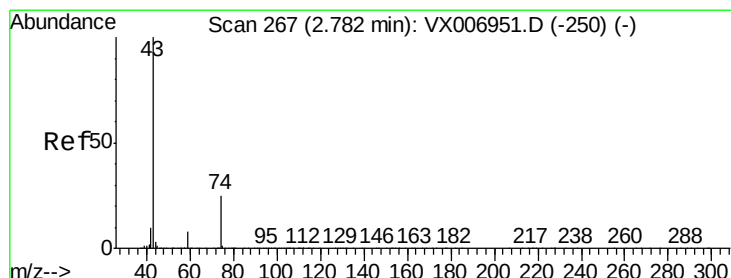
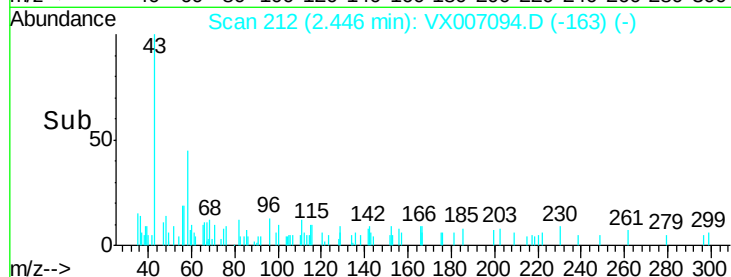
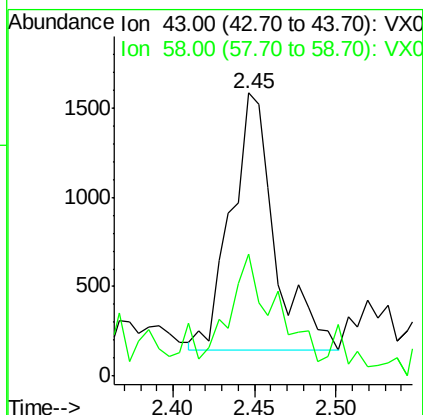
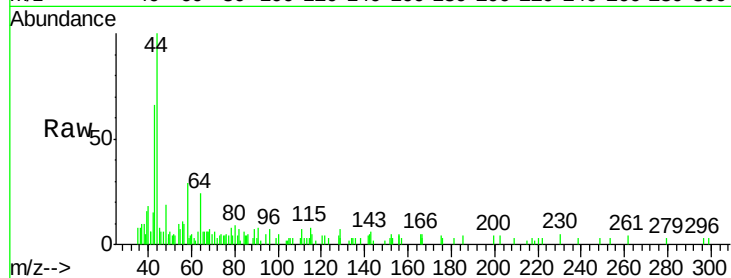




#16
Acetone
Concen: 0.897 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

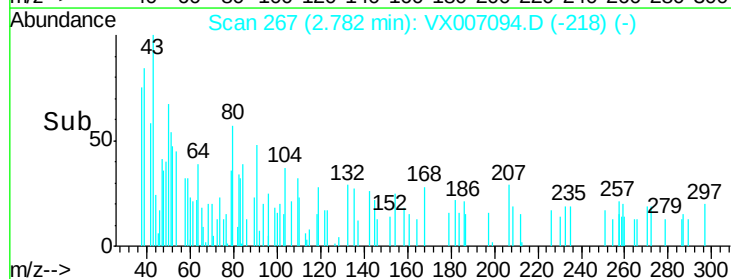
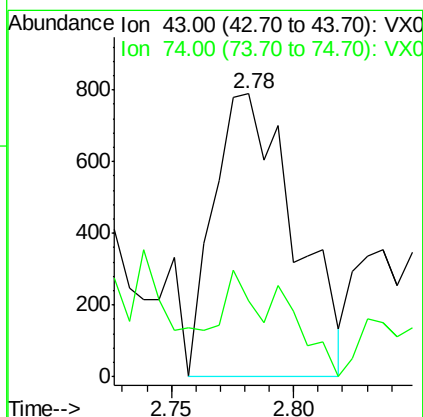
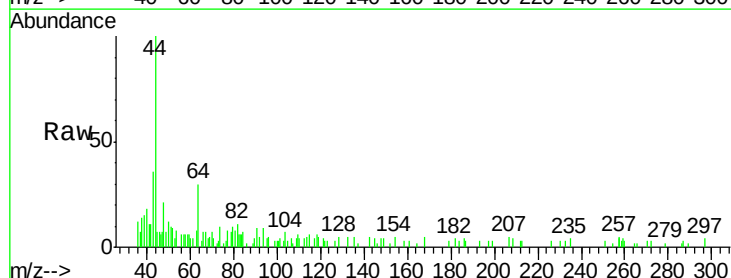
Instrument :
MSVOA_X
ClientSampleId :
DUP-0499-190114

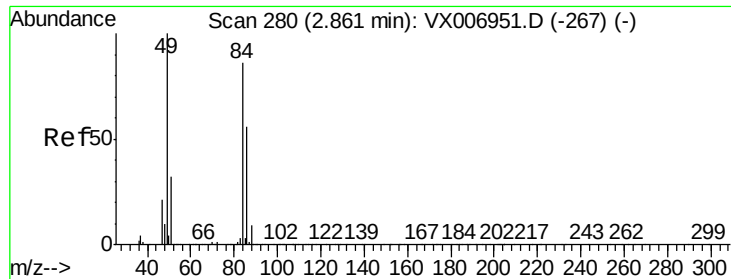
Tot Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
58 27.0 25.0 37.6



#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
74 5.8 18.6 28.0#

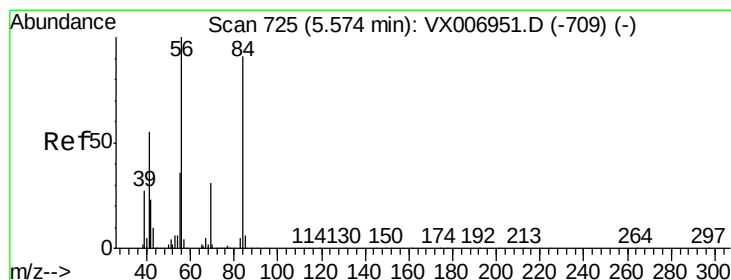
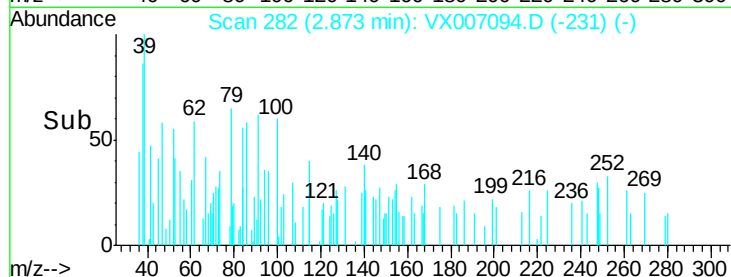
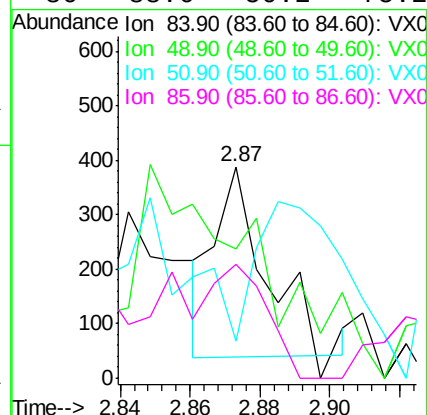
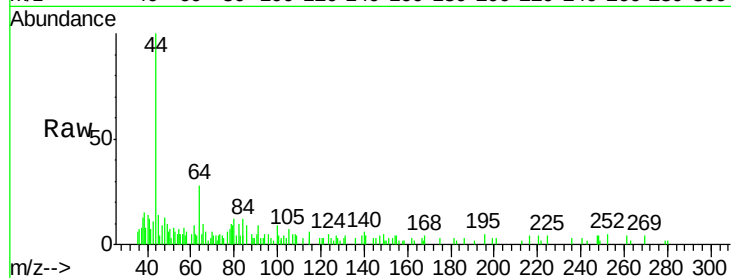




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

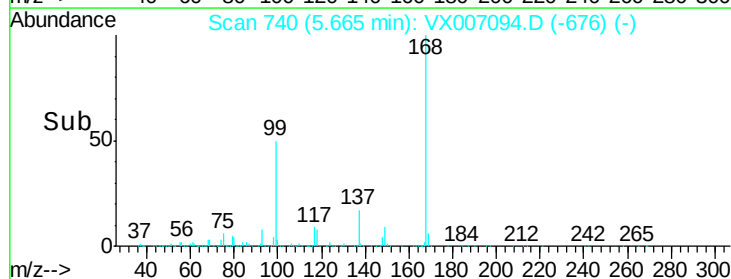
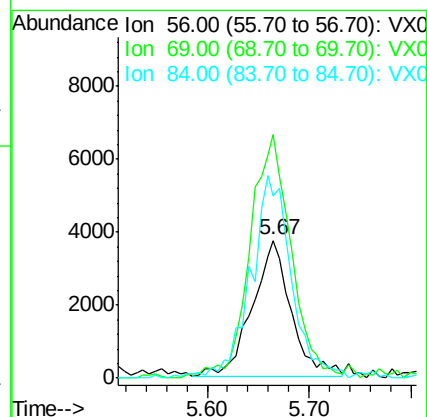
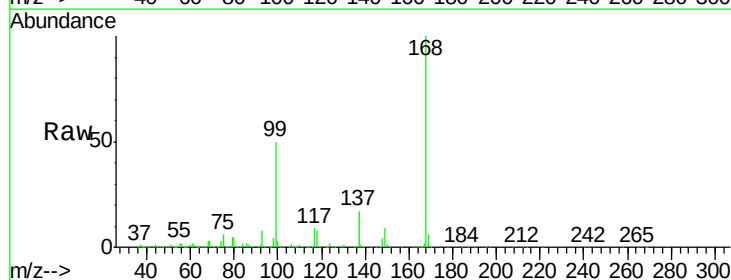
Instrument :
MSVOA_X
ClientSampleId :
DUP-0499-190114

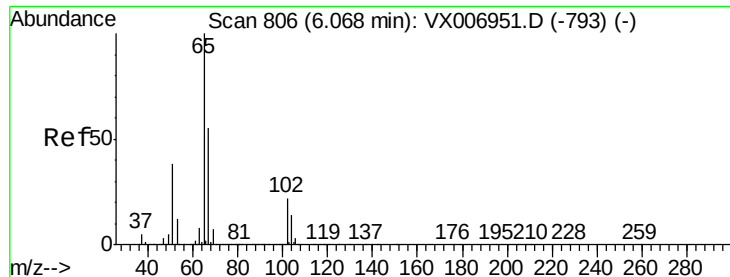
Tot Ion:	84	Resp:	355
Ion	Ratio	Lower	Upper
84	100		
49	33.3	91.8	137.6#
51	0.0	28.5	42.7#
86	88.6	50.2	75.2#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

Tgt Ion:	56	Resp:	9892
Ion	Ratio	Lower	Upper
56	100		
69	179.2	24.4	36.6#
84	132.8	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.018 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

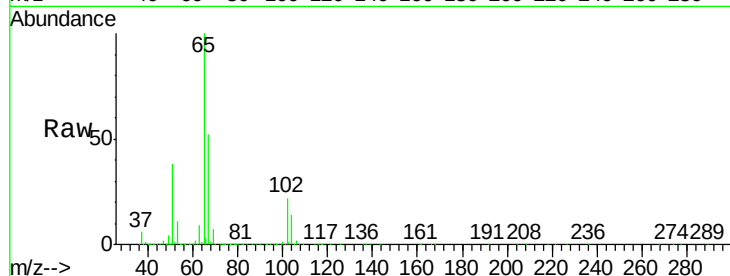
DUP-0499-190114

Tot Ion: 65 Resp: 309184

Ion Ratio Lower Upper

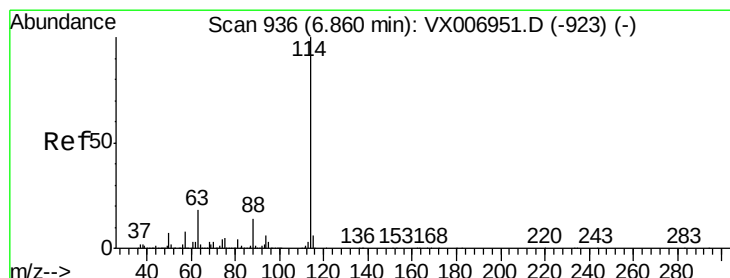
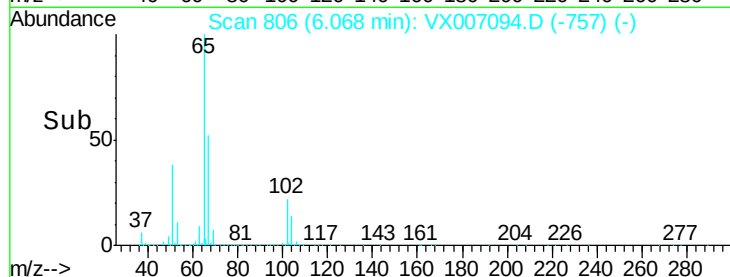
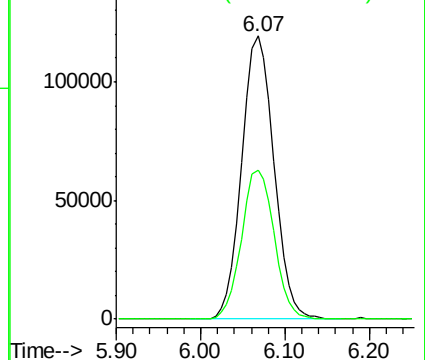
65 100

67 53.6 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: VX007094.D

Acq: 17 Jan 2019 17:36

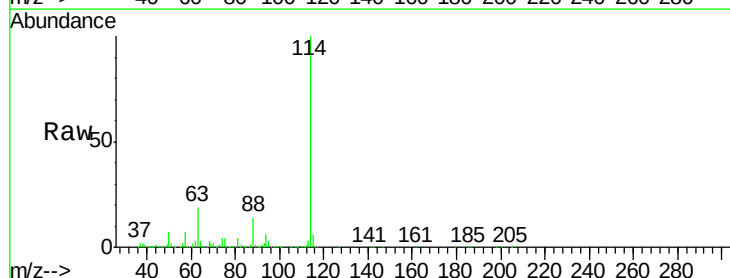
Tgt Ion: 114 Resp: 896233

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

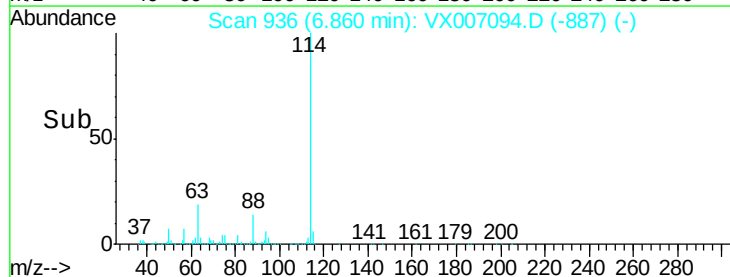
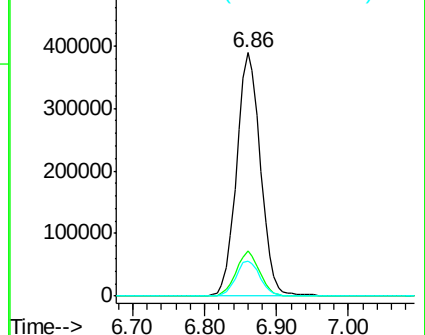
88 14.5 0.0 28.8

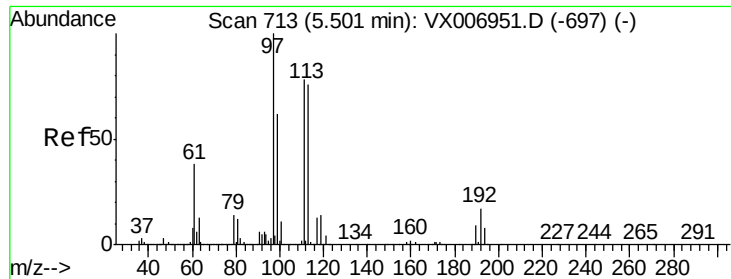


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.786 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

Instrument :

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ClientSampleId :

DUP-0499-190114

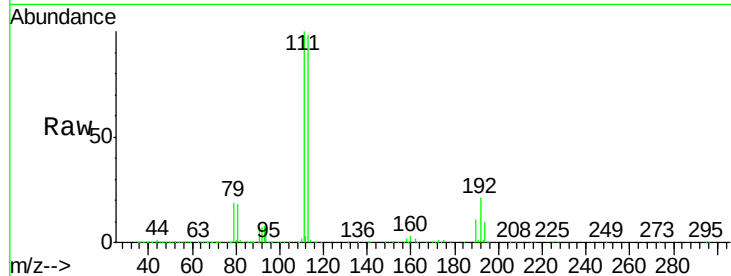
Tot Ion:113 Resp: 274266

Ion Ratio Lower Upper

113 100

111 100.6 81.6 122.4

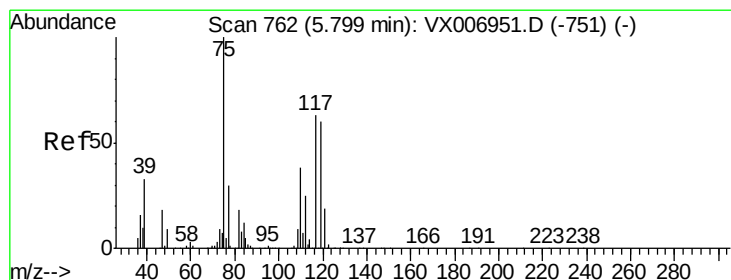
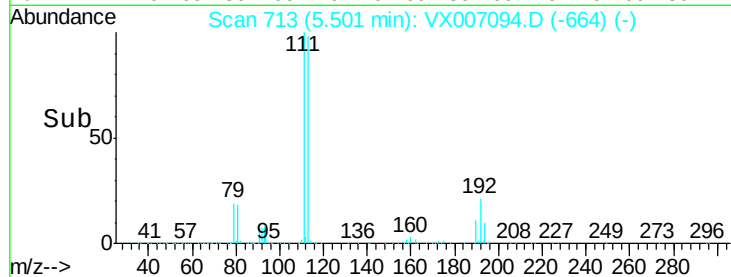
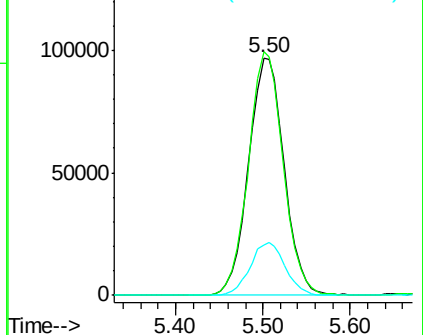
192 22.1 16.7 25.1



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: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

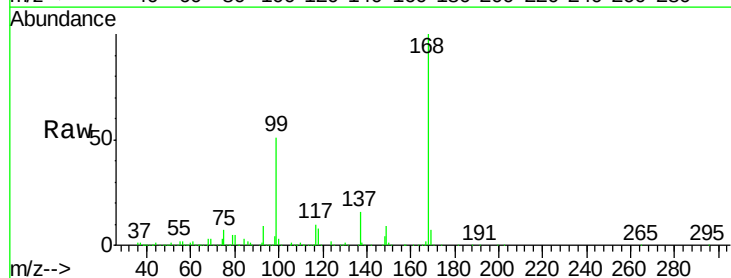
Tgt Ion: 75 Resp: 37450

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

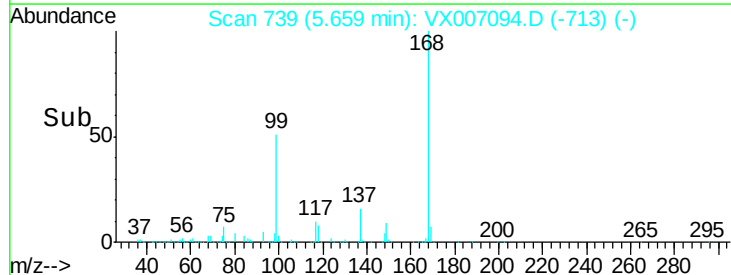
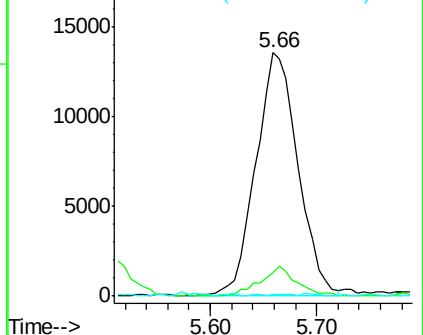
77 0.5 24.8 37.2#

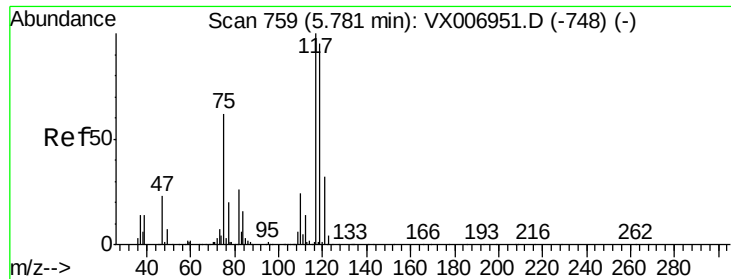


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.653 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

DUP-0499-190114

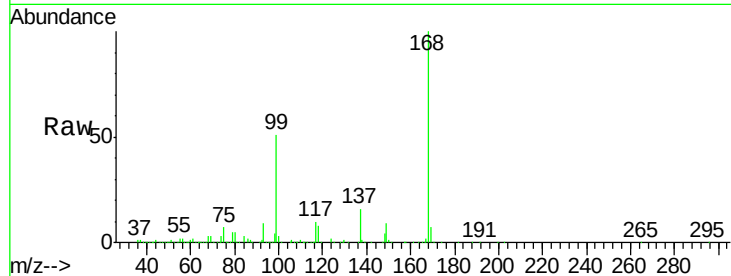
Tot Ion:117 Resp: 52158

Ion Ratio Lower Upper

117 100

119 4.7 79.4 119.2#

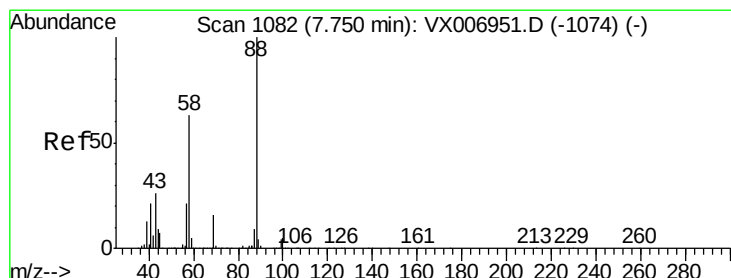
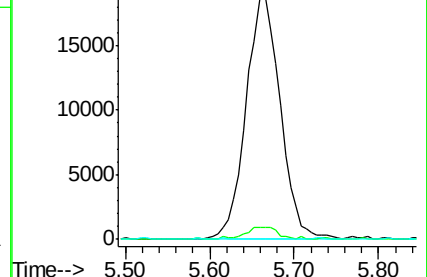
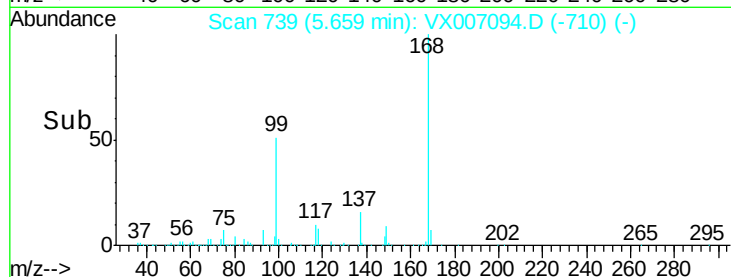
121 0.0 24.0 36.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

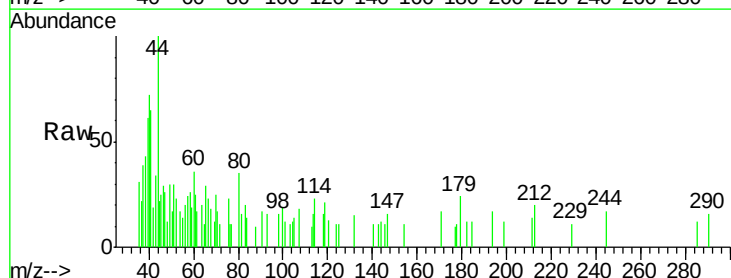
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

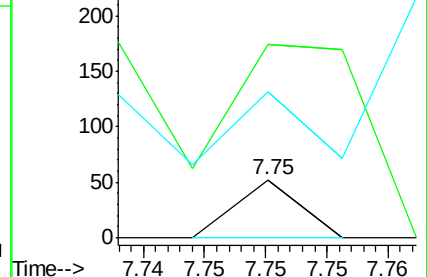
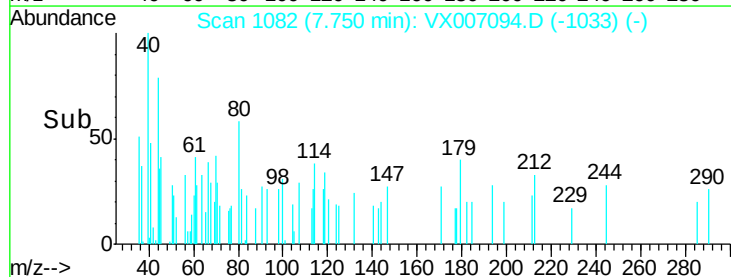
58 810.5 51.0 76.4#

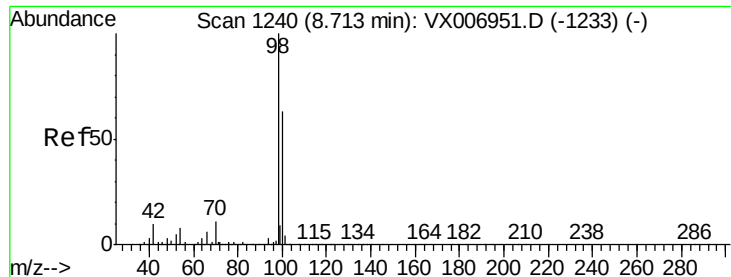


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

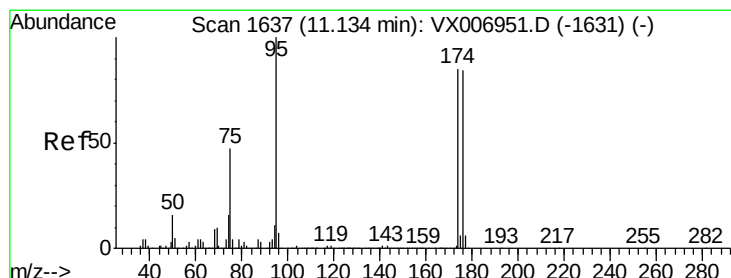
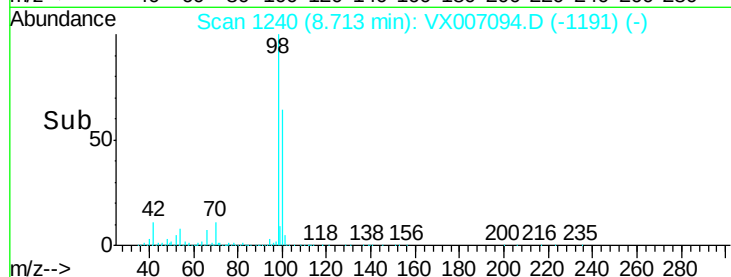
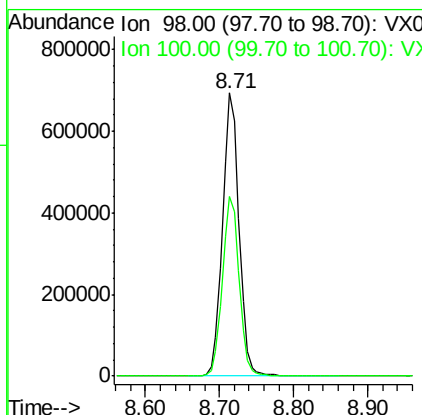
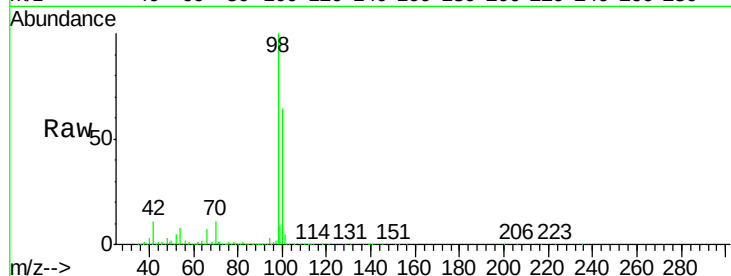




#50
Toluene-d8
Concen: 50.859 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

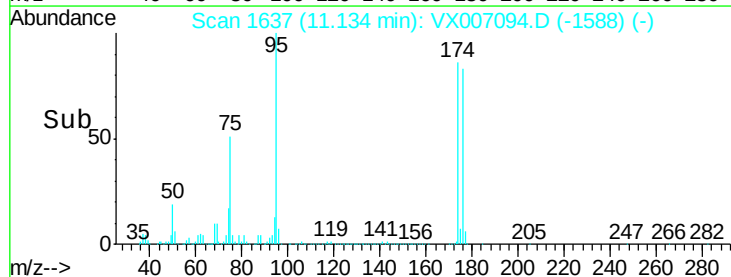
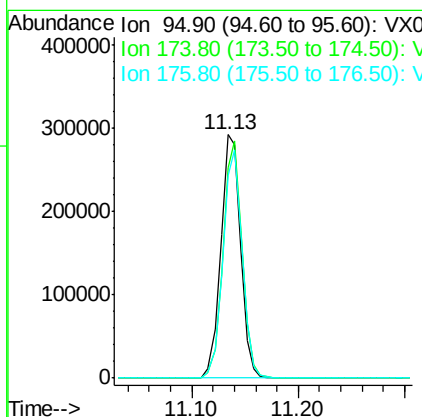
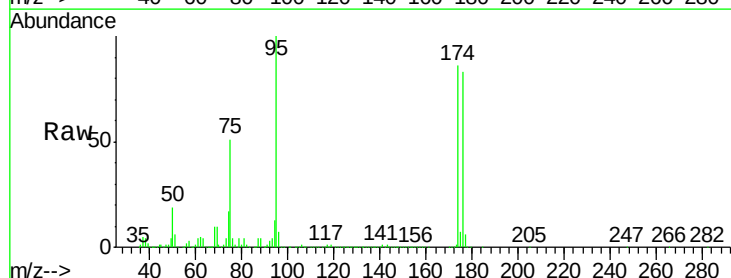
Instrument :
MSVOA_X
ClientSampleId :
DUP-0499-190114

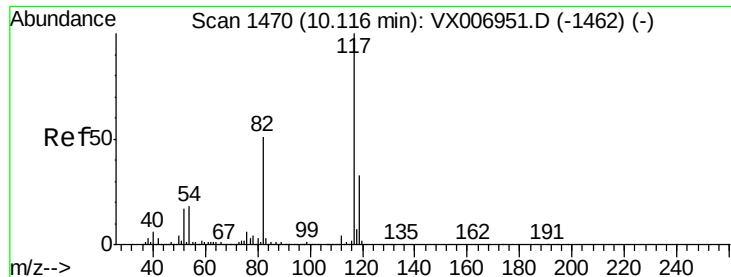
Tot Ion: 98 Resp: 1068449
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 51.649 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

Tgt Ion: 95 Resp: 378273
Ion Ratio Lower Upper
95 100
174 94.2 0.0 182.2
176 91.7 0.0 178.8

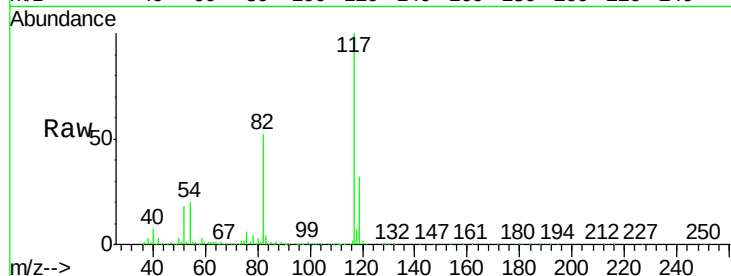




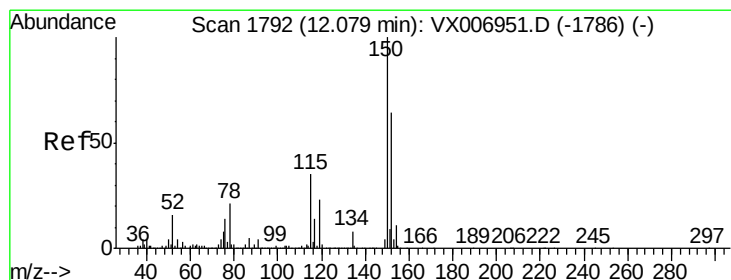
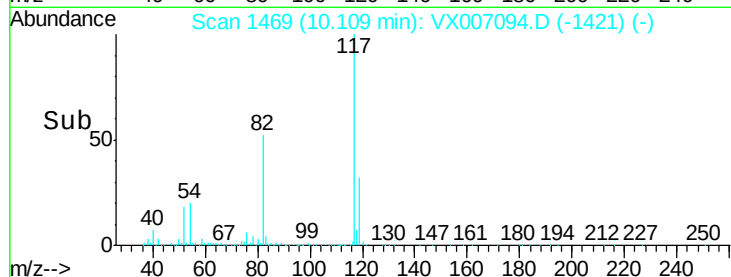
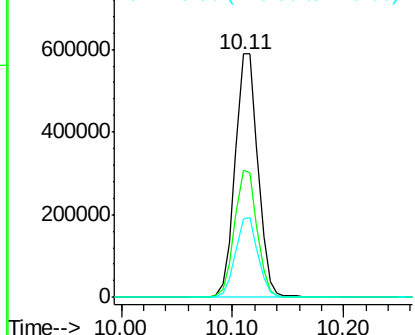
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

Instrument :
MSVOA_X
ClientSampleId :
DUP-0499-190114

Tot Ion:117 Resp: 836245
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 32.1 25.4 38.0

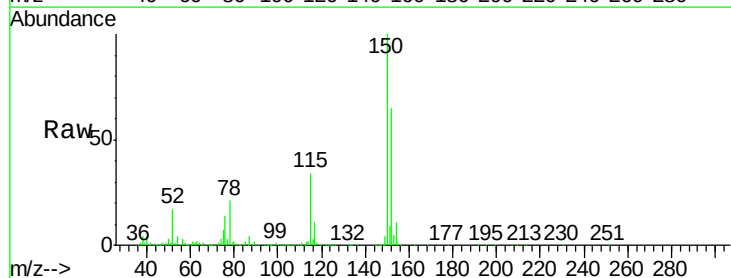


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

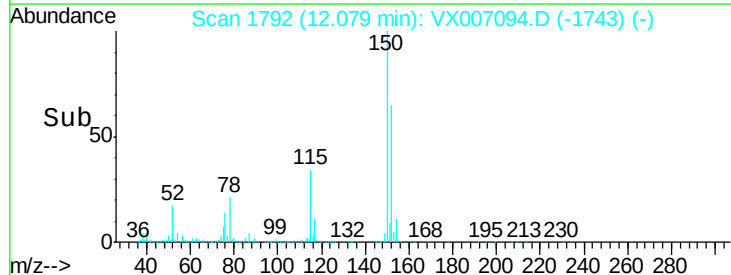
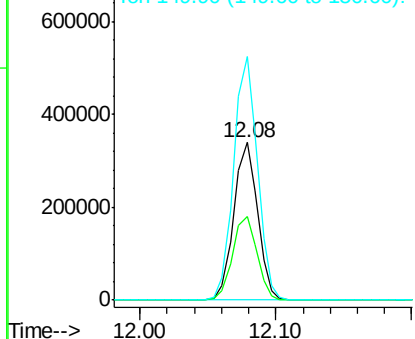


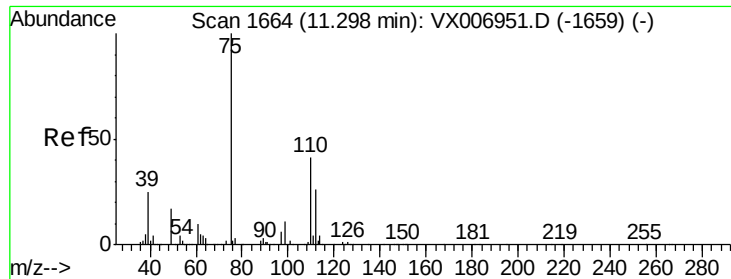
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007094.D
Acq: 17 Jan 2019 17:36

Tgt Ion:152 Resp: 413647
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.2
150 154.4 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: 21.803 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

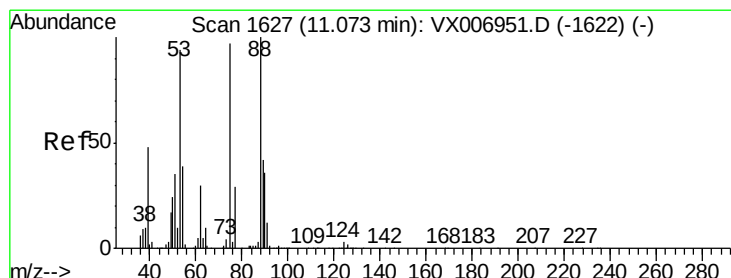
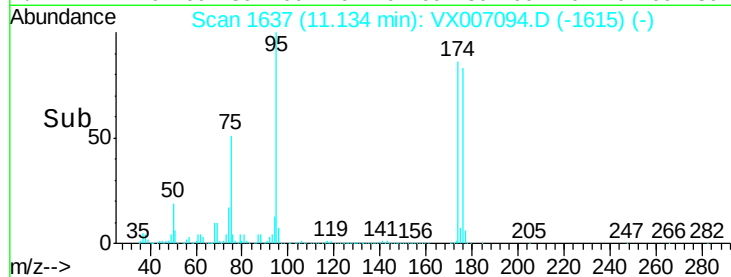
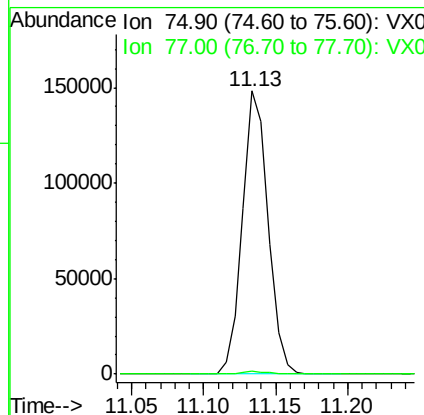
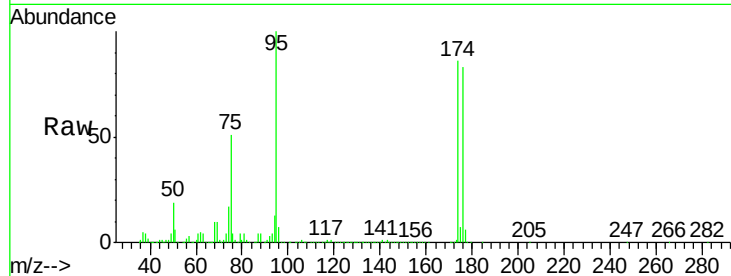
DUP-0499-190114

Tot Ion: 75 Resp: 182761

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.603 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

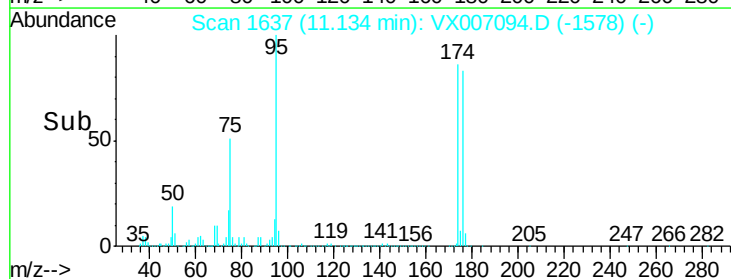
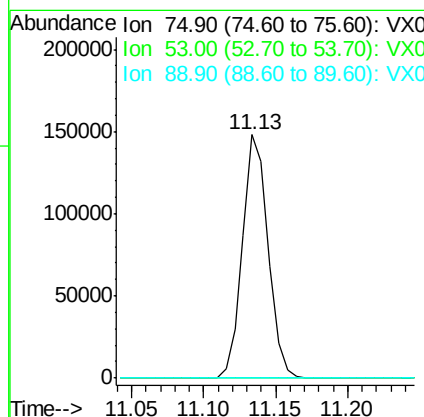
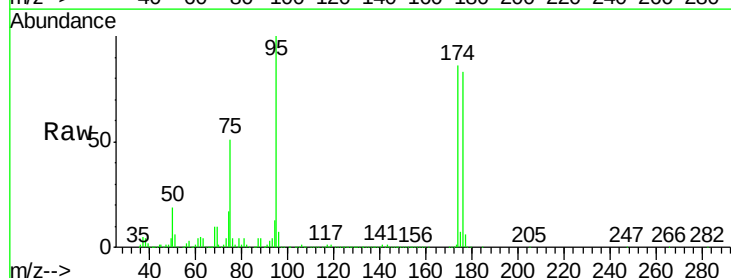
Tgt Ion: 75 Resp: 182761

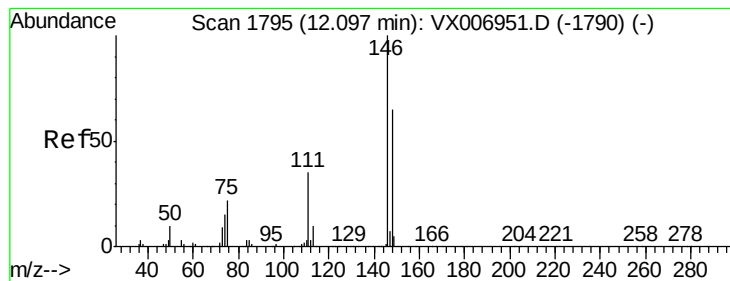
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#





#88

1,4-Dichlorobenzene

Concen: 0.211 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.02 min

Lab File: VX007094.D

Acq: 17 Jan 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

DUP-0499-190114

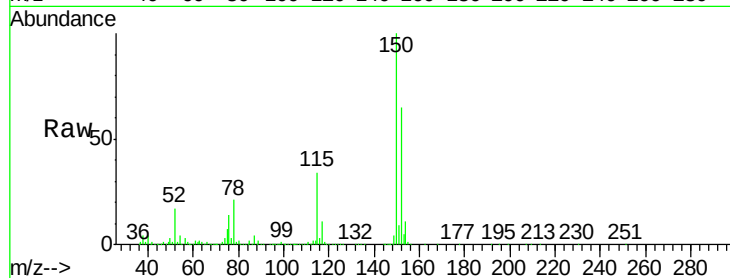
Tot Ion:146 Resp: 907

Ion Ratio Lower Upper

146 100

111 621.2 18.1 54.1#

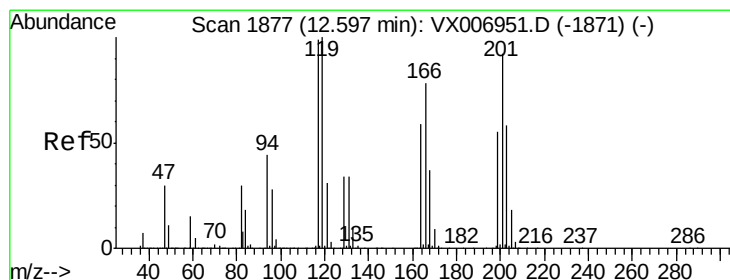
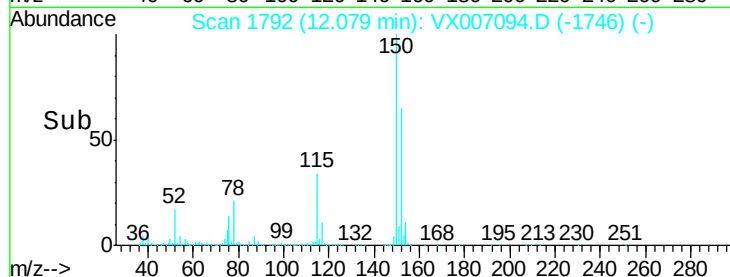
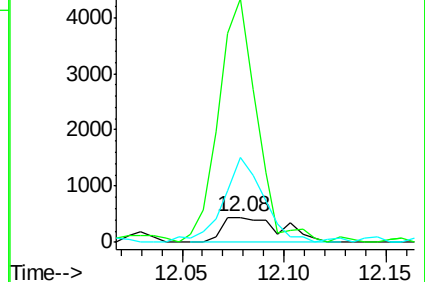
148 228.8 31.9 95.9#



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: 2.913 ug/l

RT: 12.85 min Scan# 1919

Delta R.T. 0.26 min

Lab File: VX007094.D

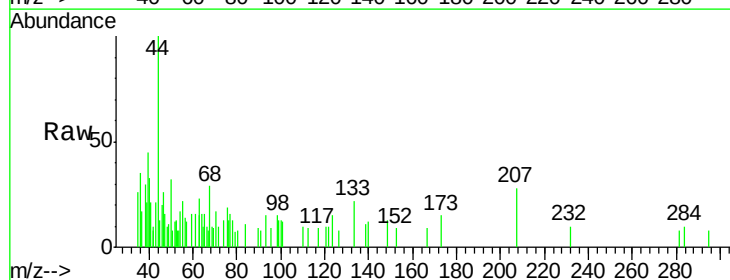
Acq: 17 Jan 2019 17:36

Tgt Ion:117 Resp: 22

Ion Ratio Lower Upper

117 100

201 127.3 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

