

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012119\
 Data File : VX007155.D
 Acq On : 21 Jan 2019 13:36
 Operator : JC/SP
 Sample : K1198-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW517-2327

Quant Time: Jan 22 00:06:00 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	560975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	865557	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	811021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	408744	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	300185	51.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.40%	
35) Dibromofluoromethane	5.50	113	265465	47.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.78%	
50) Toluene-d8	8.71	98	1026686	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.13	95	373371	52.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.58%	

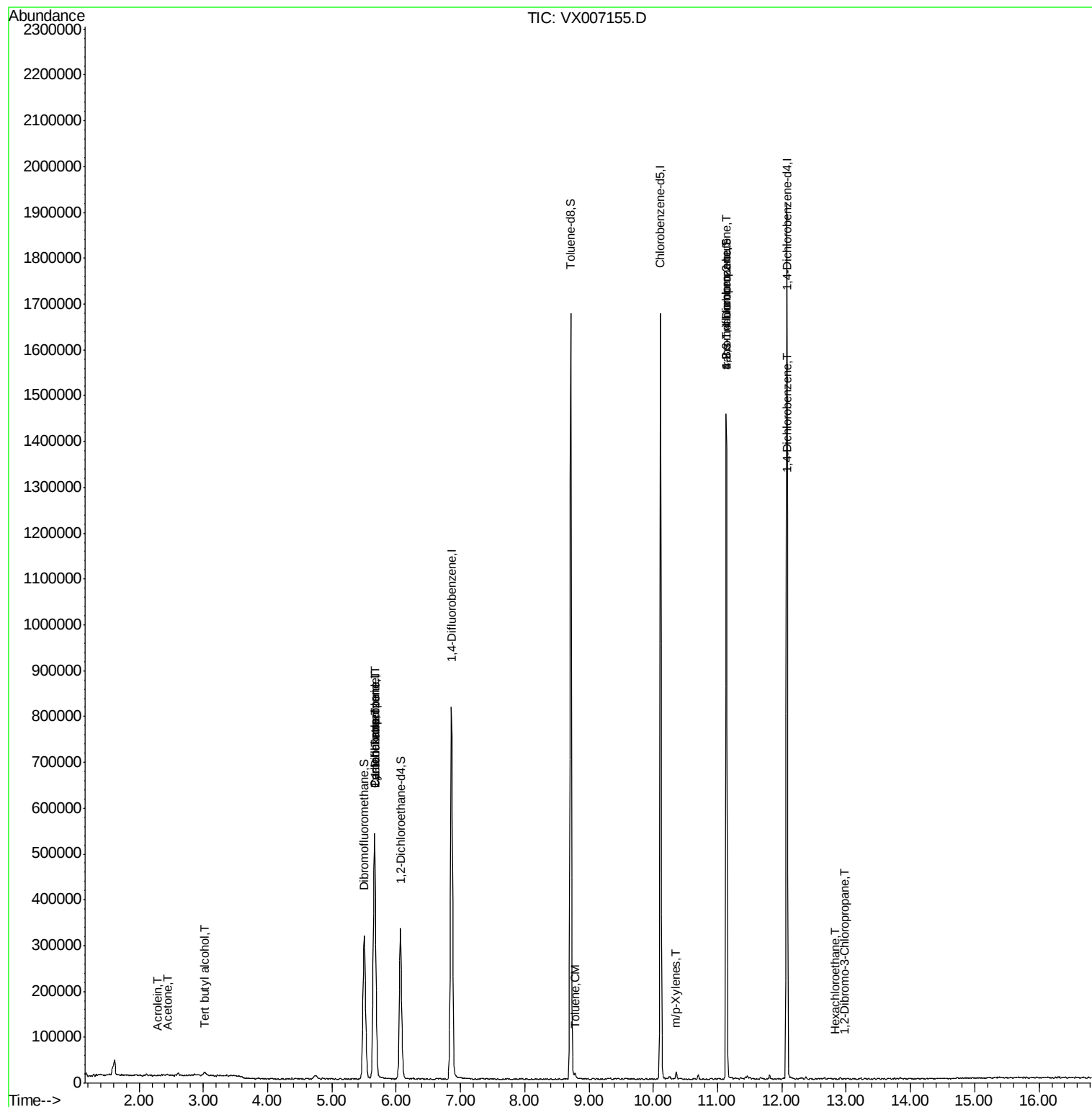
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	5188	3.751	ug/l #	72
13) Acrolein	2.29	56	101	3.251	ug/l #	7
16) Acetone	2.44	43	3448	1.190	ug/l	90
20) Methylene Chloride	2.85	84	1017	Below Cal	#	77
31) Cyclohexane	5.66	56	9427	1.140	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	35946	4.777	ug/l #	48
38) Carbon Tetrachloride	5.66	117	48114	6.355	ug/l #	14
49) 1,4-Dioxane	7.77	88	273	Below Cal	#	38
52) Toluene	8.78	92	3996	0.271	ug/l	85
68) m/p-Xylenes	10.36	106	4066	0.353	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	177885	21.476	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	177885	63.691	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	839	0.206	ug/l #	1
90) Hexachloroethane	12.82	117	63	2.923	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.96	75	375	0.207	ug/l #	1

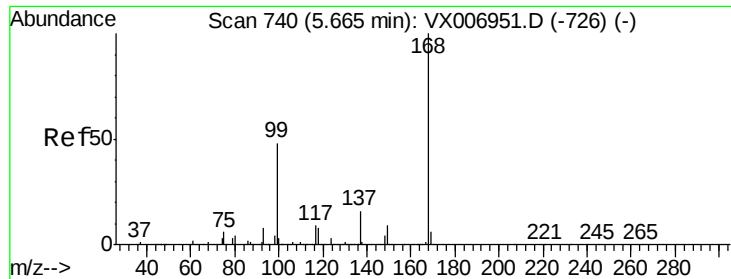
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

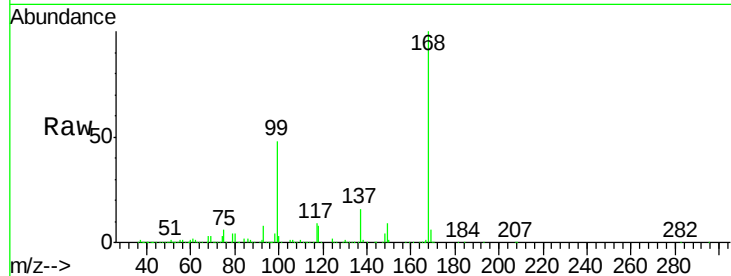
SA-TW517-2327

Tot Ion:168 Resp: 560975

Ion Ratio Lower Upper

168 100

99 47.6 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

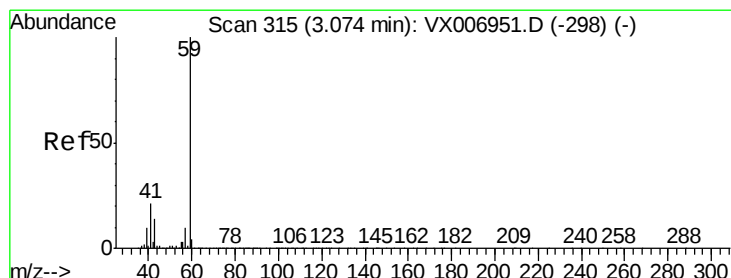
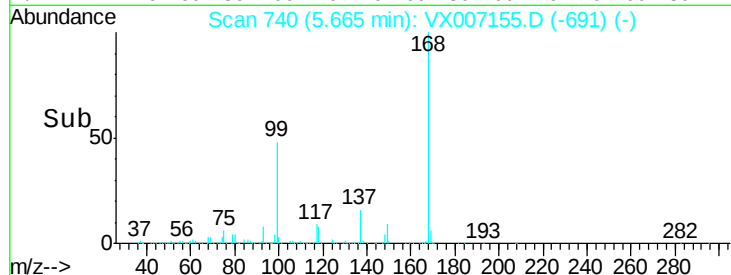
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.751 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.06 min

Lab File: VX007155.D

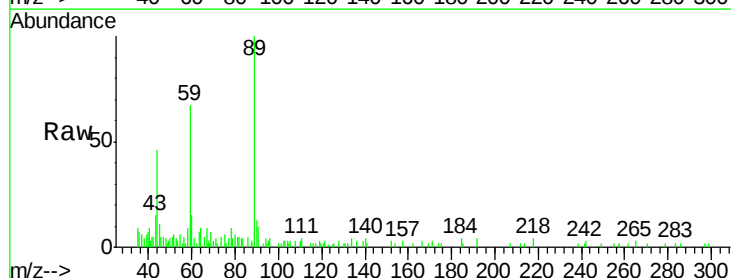
Acq: 21 Jan 2019 13:36

Tgt Ion: 59 Resp: 5188

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

2500

2000

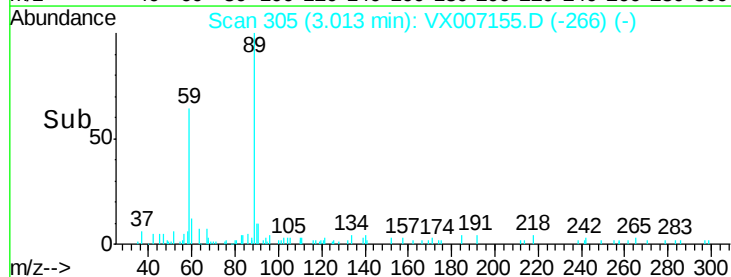
1500

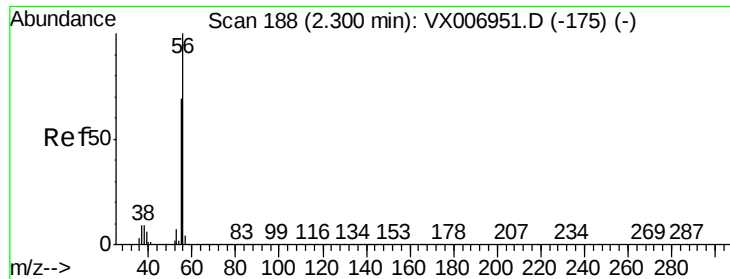
1000

500

0

Time-->





#13

Acrolein

Concen: 3.251 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

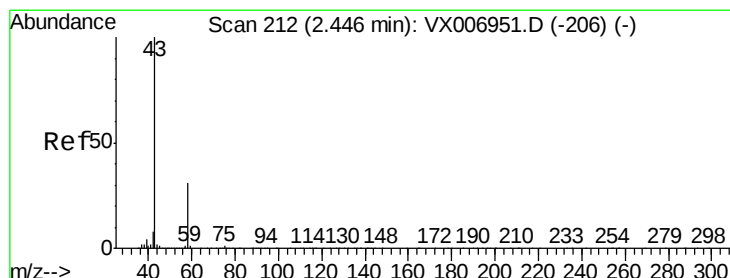
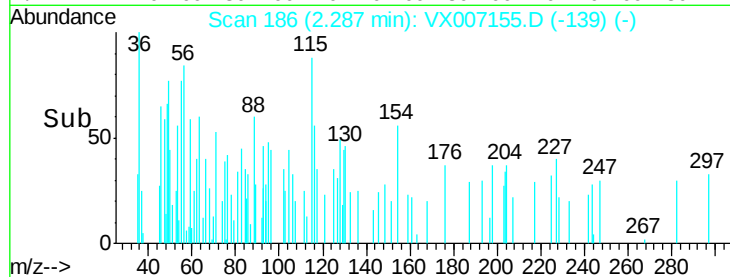
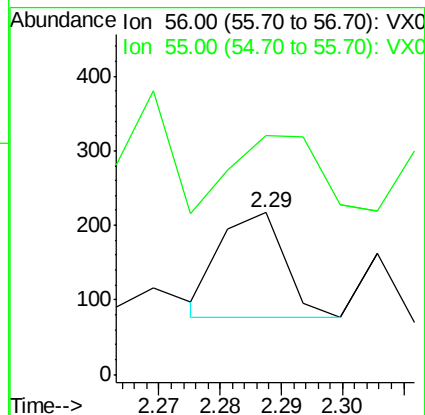
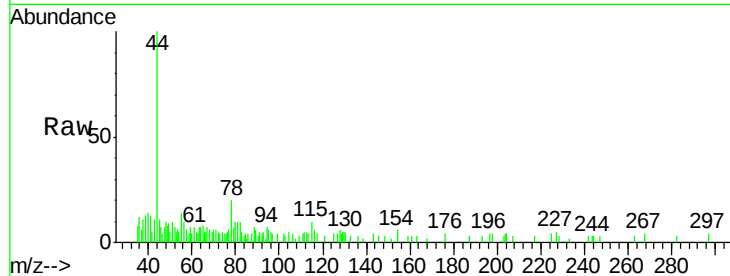
SA-TW517-2327

Tot Ion: 56 Resp: 101

Ion Ratio Lower Upper

56 100

55 150.5 58.2 87.4#



#16

Acetone

Concen: 1.190 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX007155.D

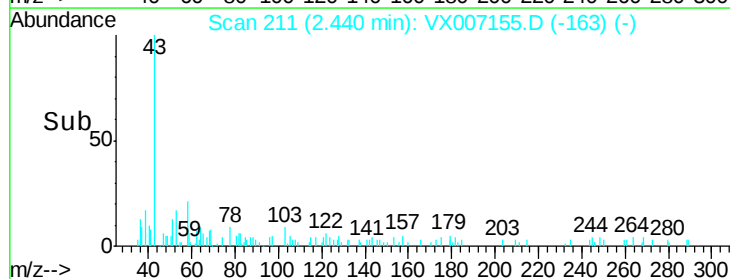
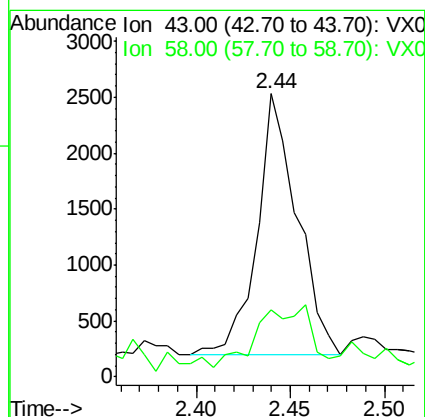
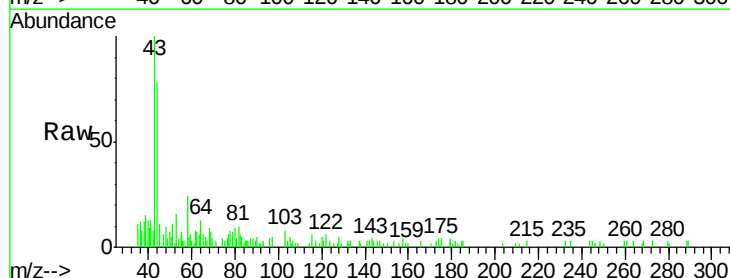
Acq: 21 Jan 2019 13:36

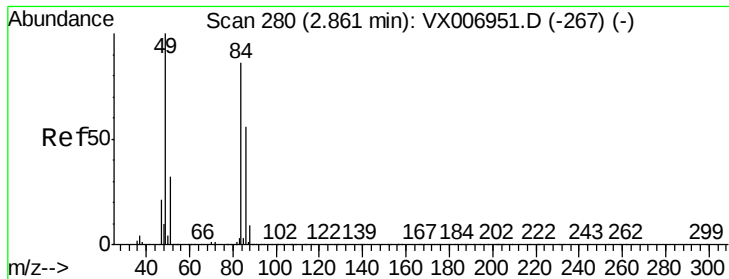
Tgt Ion: 43 Resp: 3448

Ion Ratio Lower Upper

43 100

58 25.9 25.0 37.6





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

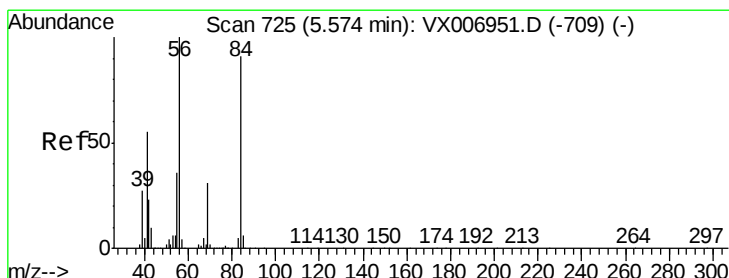
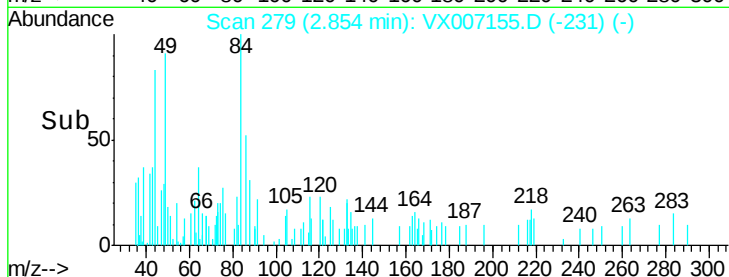
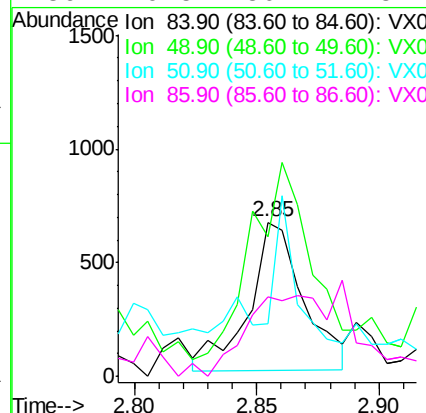
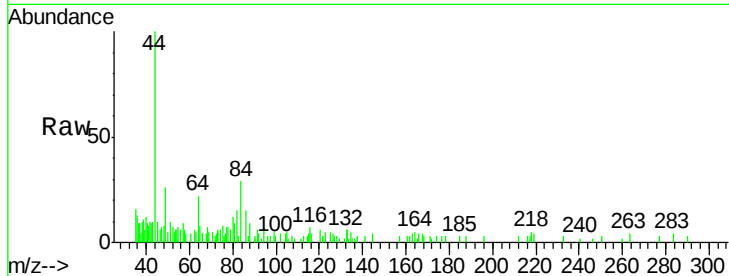
Instrument :

MSVOA_X

ClientSampleId :

SA-TW517-2327

Tot Ion:	84	Resp:	1017
Ion	Ratio	Lower	Upper
84	100		
49	90.7	91.8	137.6#
51	13.5	28.5	42.7#
86	49.5	50.2	75.2#



#31

Cyclohexane

Concen: 1.140 ug/l

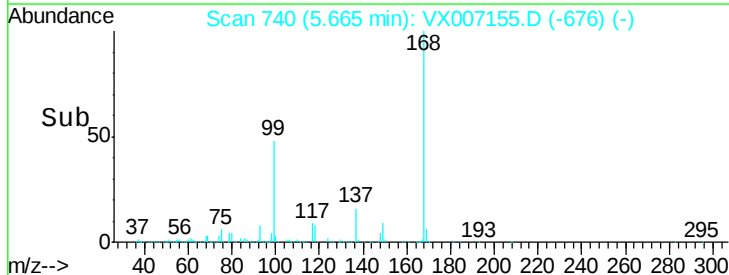
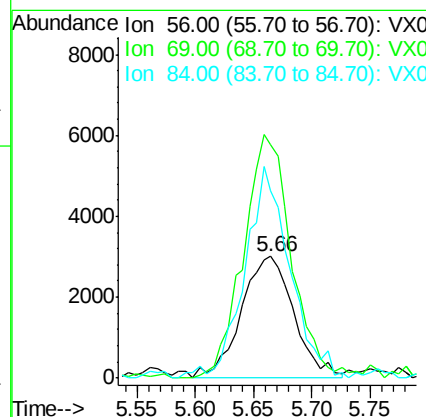
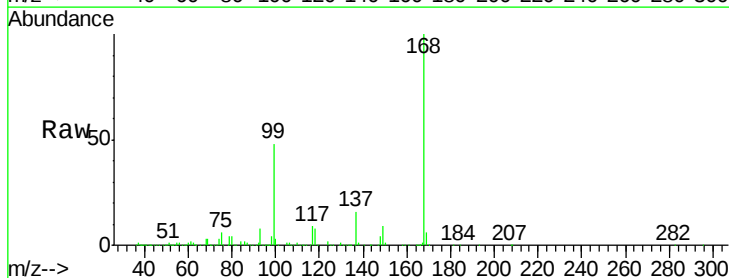
RT: 5.66 min Scan# 740

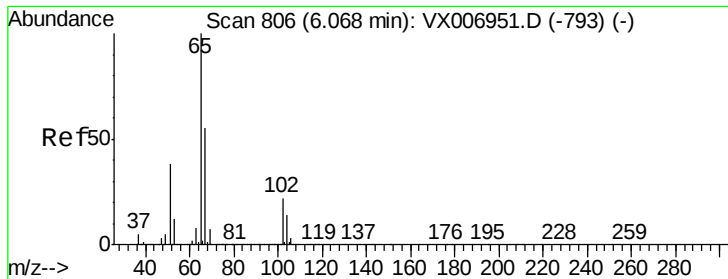
Delta R.T. 0.09 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Tgt Ion:	56	Resp:	9427
Ion	Ratio	Lower	Upper
56	100		
69	199.1	24.4	36.6#
84	155.7	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.203 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

SA-TW517-2327

Tot Ion: 65 Resp: 300185

Ion Ratio Lower Upper

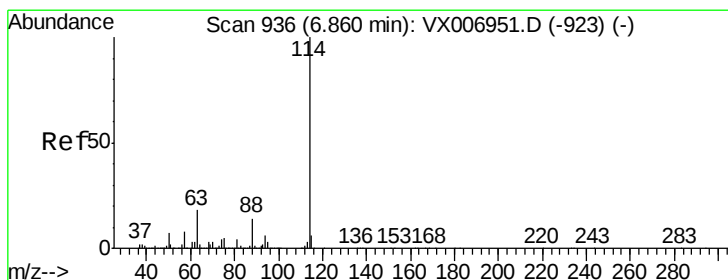
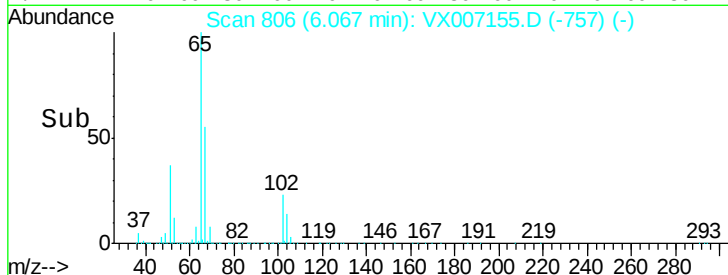
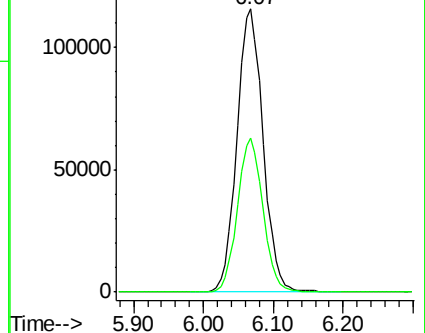
65 100

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: VX007155.D

Acq: 21 Jan 2019 13:36

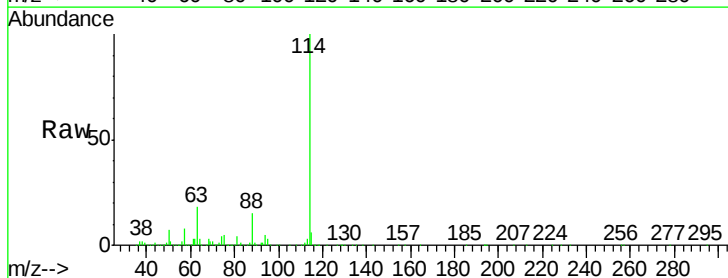
Tgt Ion: 114 Resp: 865557

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

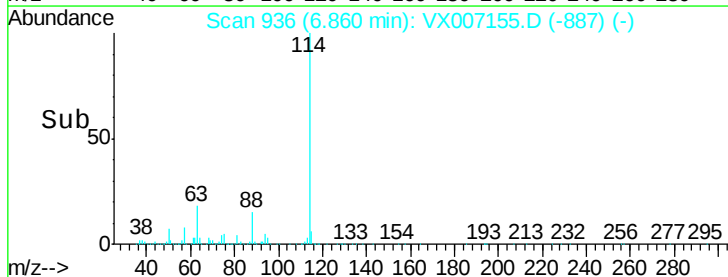
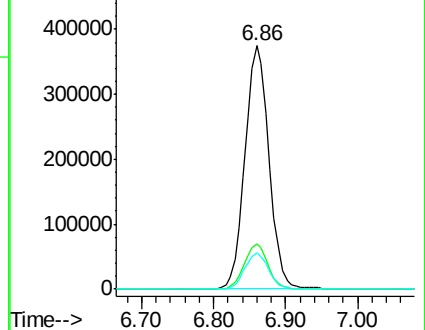
88 14.7 0.0 28.8

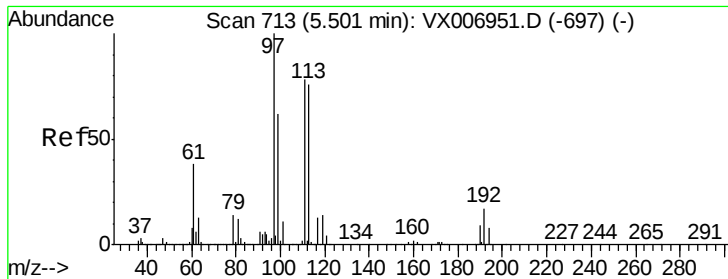


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.892 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

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ClientSampleId :

SA-TW517-2327

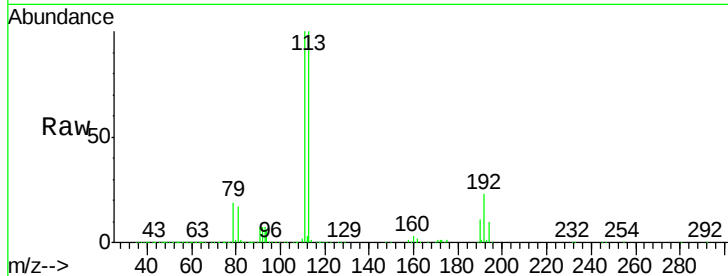
Tot Ion:113 Resp: 265465

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

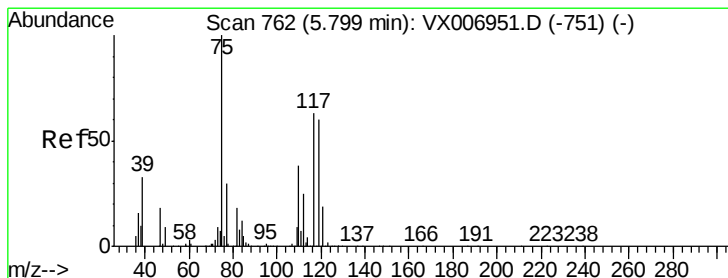
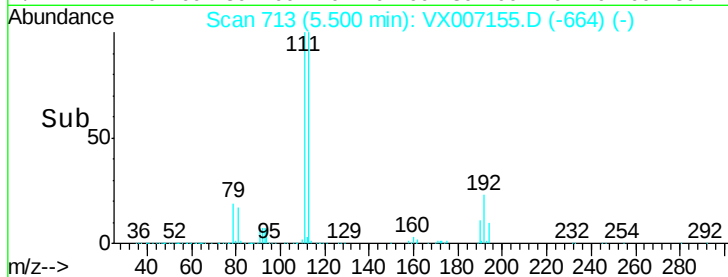
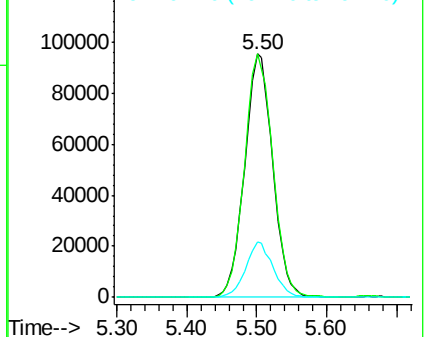
192 22.2 16.7 25.1



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: 4.777 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

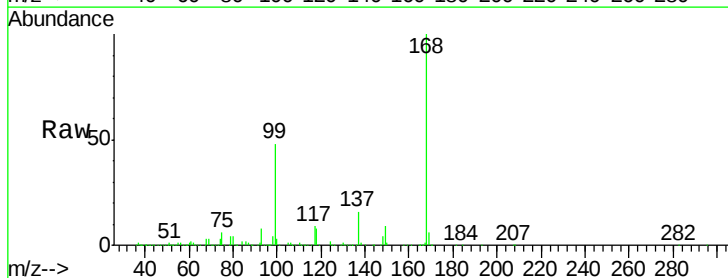
Tgt Ion: 75 Resp: 35946

Ion Ratio Lower Upper

75 100

110 10.0 20.2 60.5#

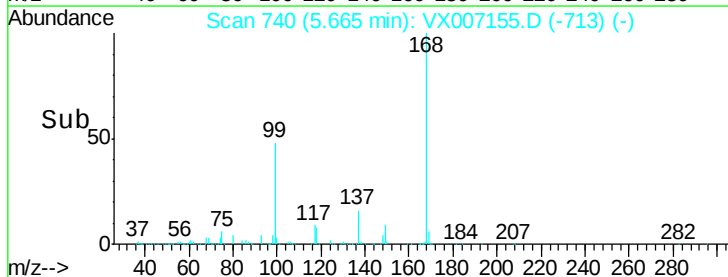
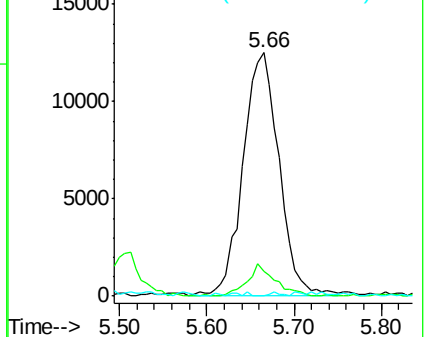
77 0.5 24.8 37.2#

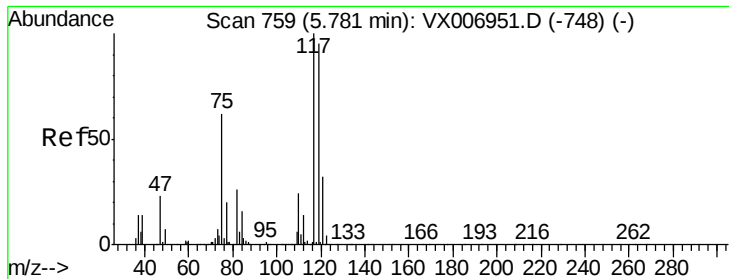


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.355 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

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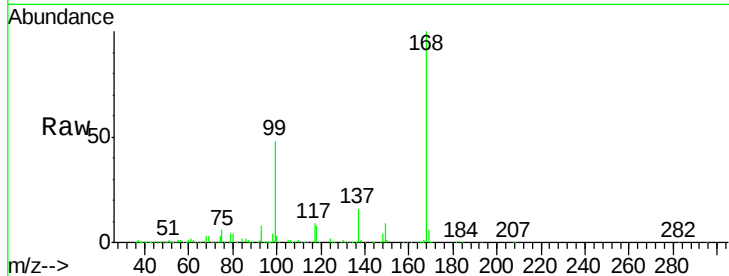
Tot Ion:117 Resp: 48114

Ion Ratio Lower Upper

117 100

119 4.5 79.4 119.2#

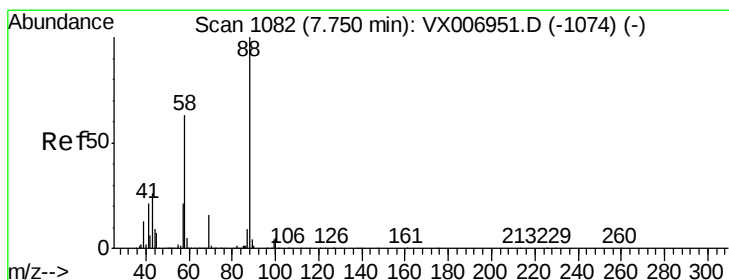
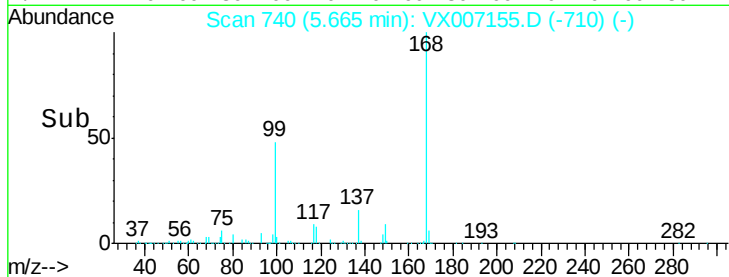
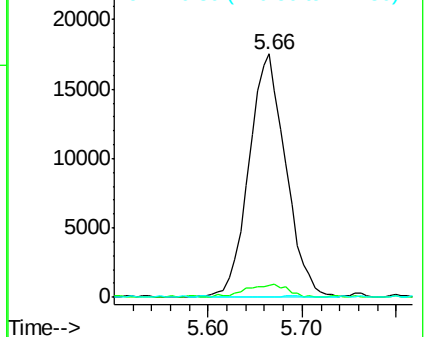
121 0.0 24.0 36.0#



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# 1086

Delta R.T. 0.02 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

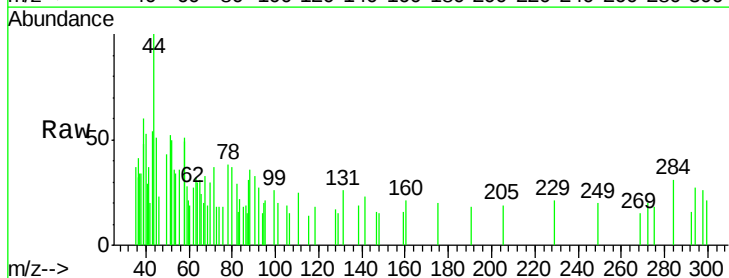
Tgt Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

43 39.2 22.2 33.4#

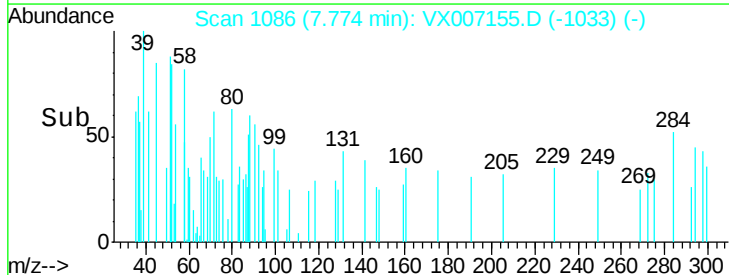
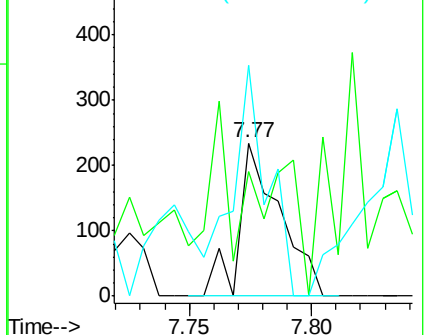
58 126.0 51.0 76.4#

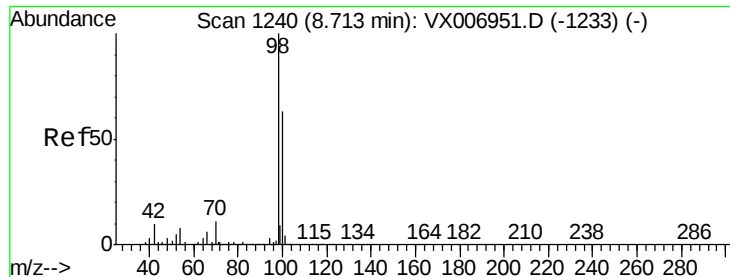


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.603 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

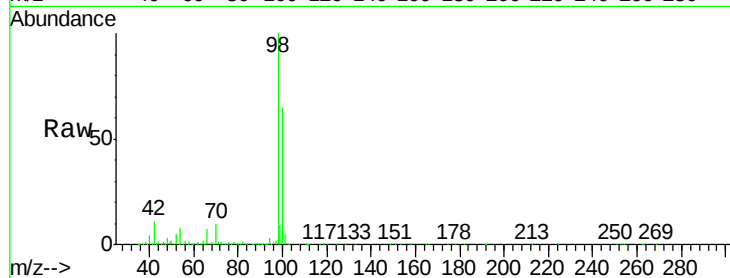
SA-TW517-2327

Tot Ion: 98 Resp: 1026686

Ion Ratio Lower Upper

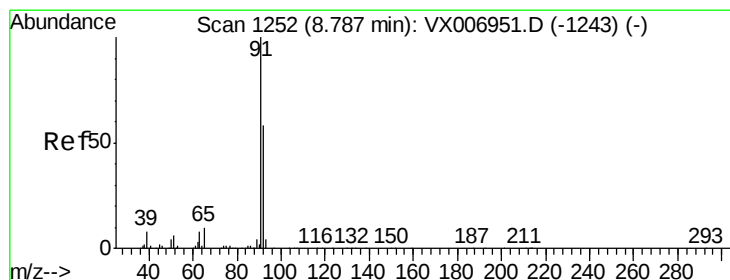
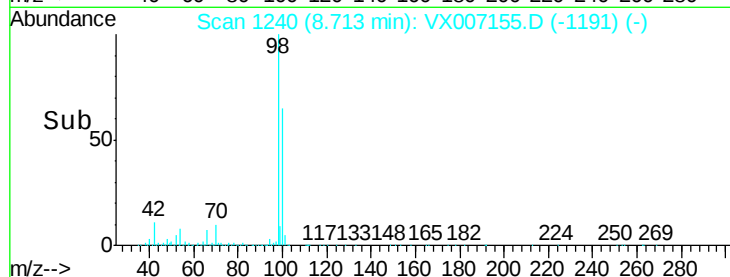
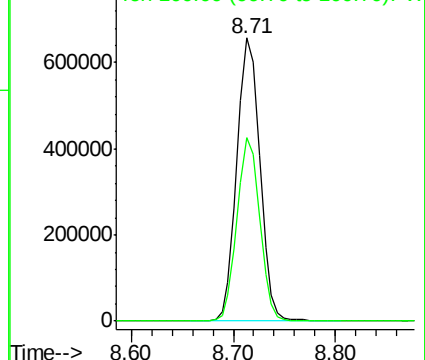
98 100

100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.271 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007155.D

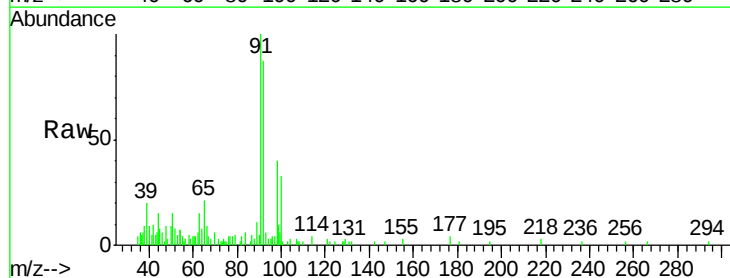
Acq: 21 Jan 2019 13:36

Tgt Ion: 92 Resp: 3996

Ion Ratio Lower Upper

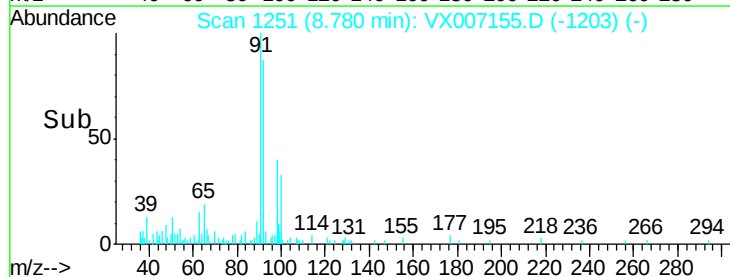
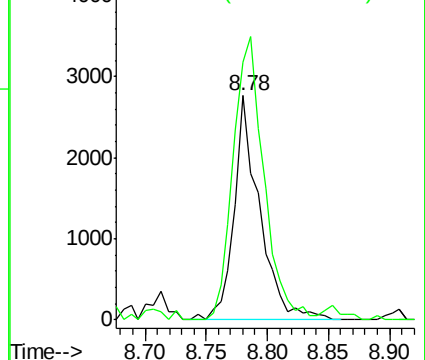
92 100

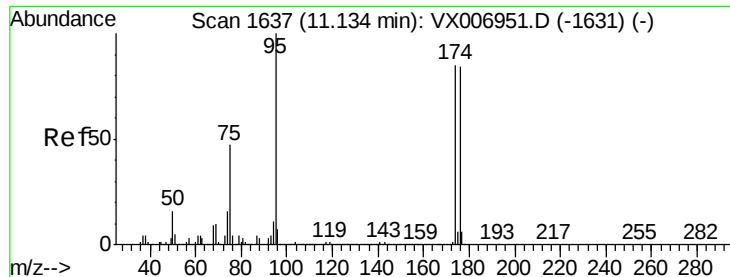
91 151.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.786 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

SA-TW517-2327

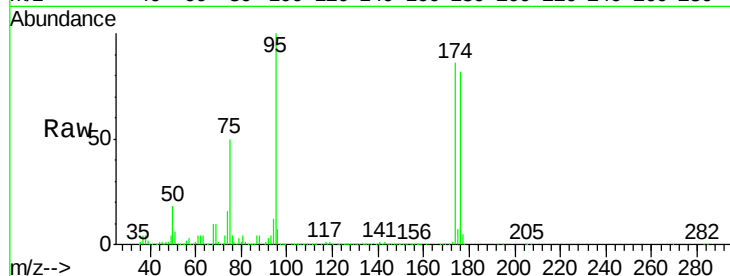
Tot Ion: 95 Resp: 373371

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.2

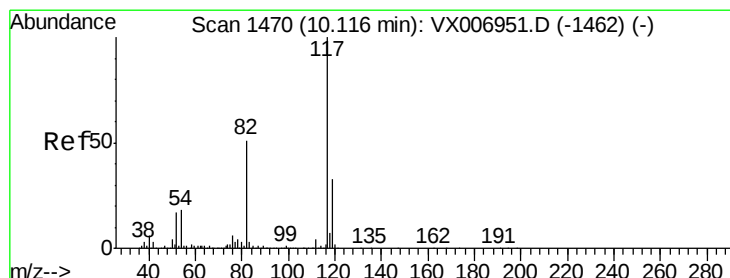
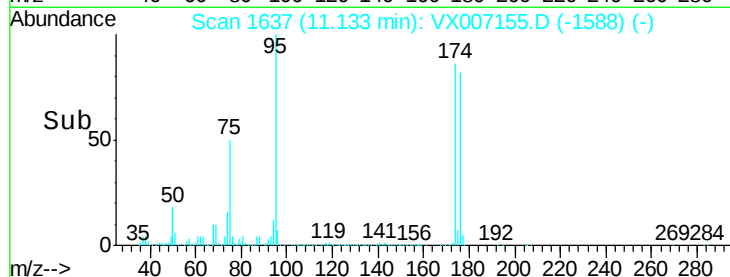
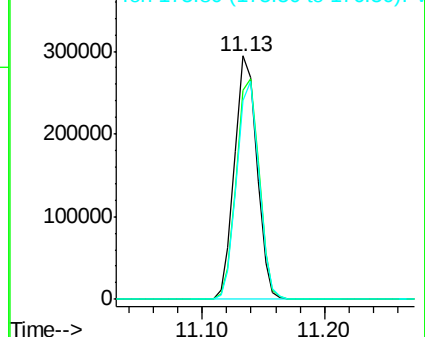
176 89.5 0.0 178.8



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

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

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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

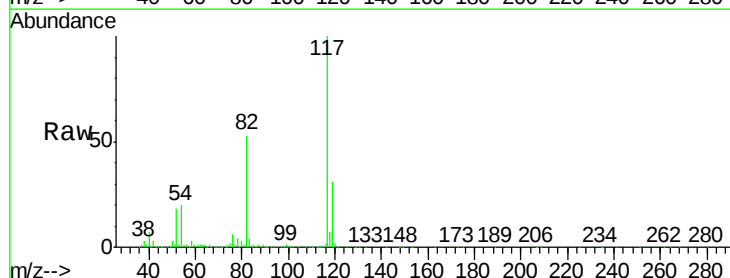
Tgt Ion: 117 Resp: 811021

Ion Ratio Lower Upper

117 100

82 52.9 41.0 61.6

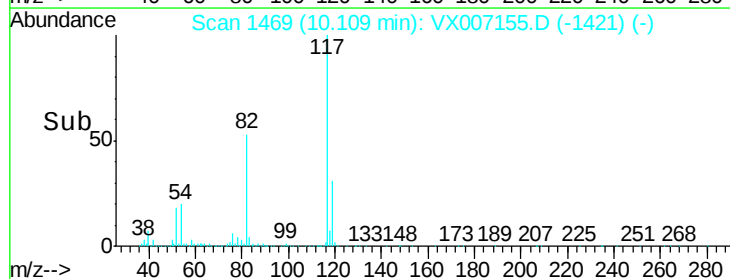
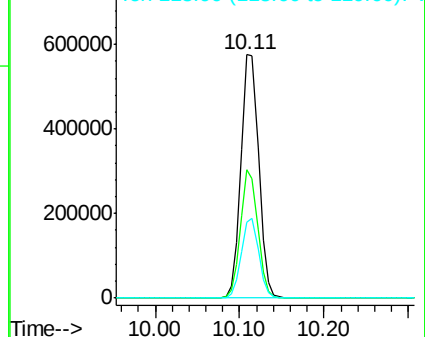
119 31.4 25.4 38.0

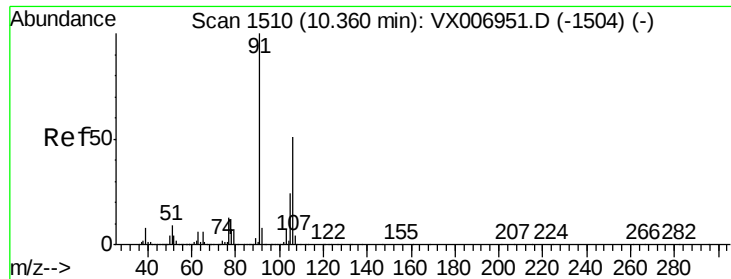


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

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

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





#68

m/p-Xvlenes

Concen: 0.353 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

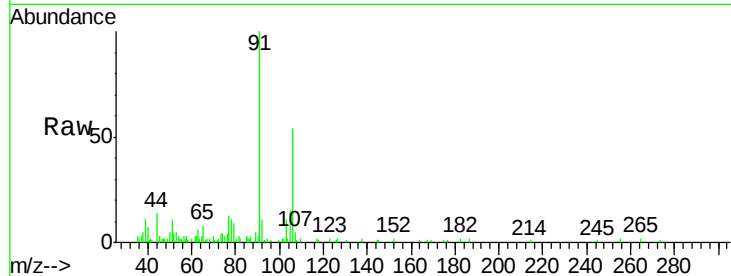
SA-TW517-2327

Tot Ion:106 Resp: 4066

Ion Ratio Lower Upper

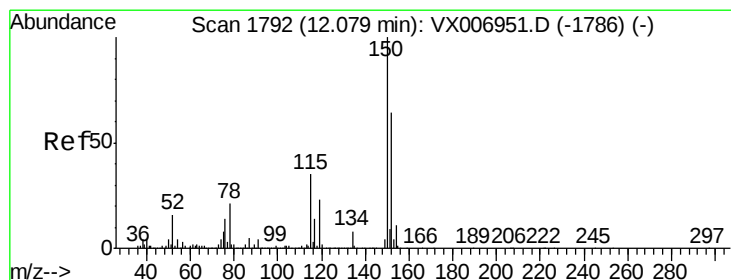
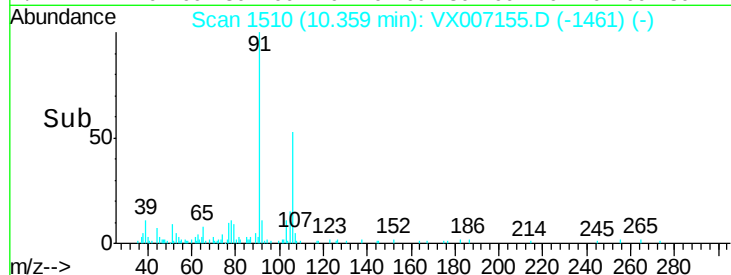
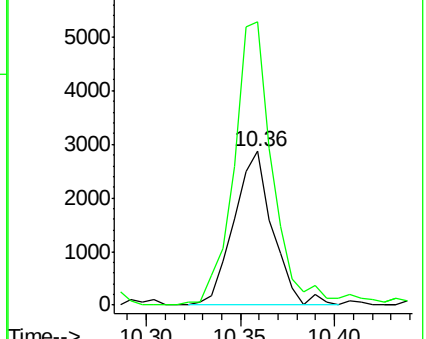
106 100

91 184.7 155.8 233.6



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: VX007155.D

Acq: 21 Jan 2019 13:36

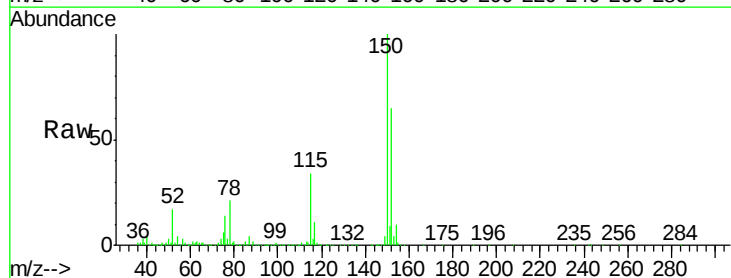
Tgt Ion:152 Resp: 408744

Ion Ratio Lower Upper

152 100

115 54.2 39.1 117.2

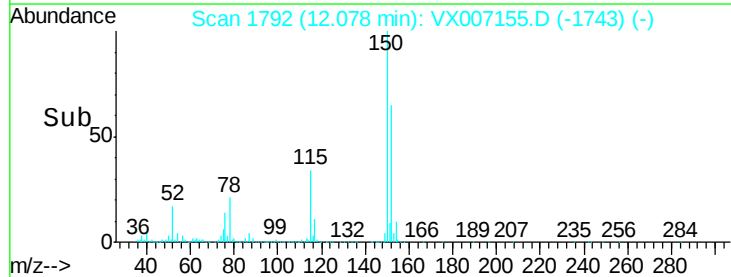
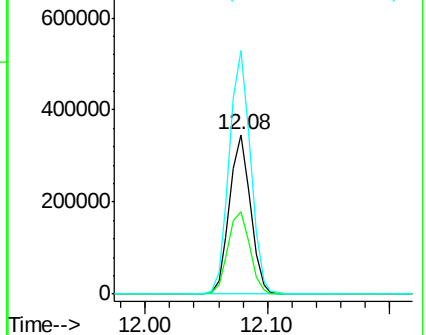
150 155.4 0.0 344.8

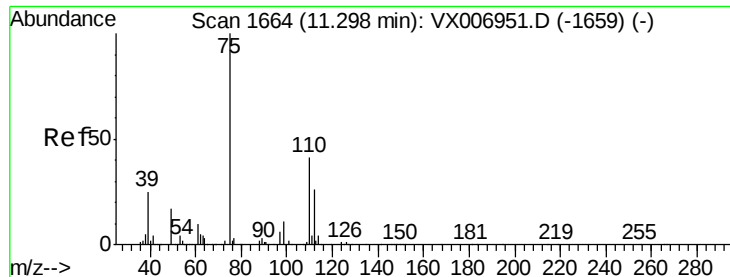


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.476 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.17 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

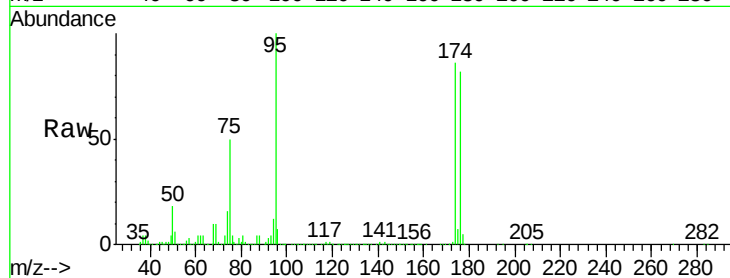
SA-TW517-2327

Tot Ion: 75 Resp: 177885

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

11.13

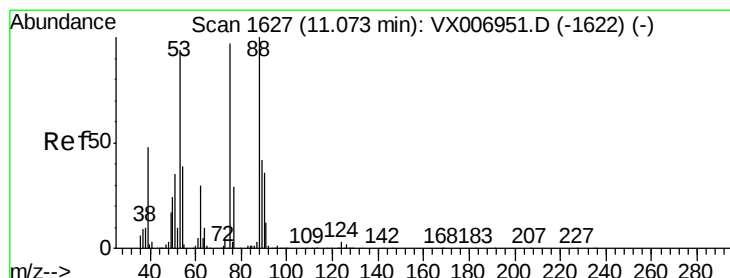
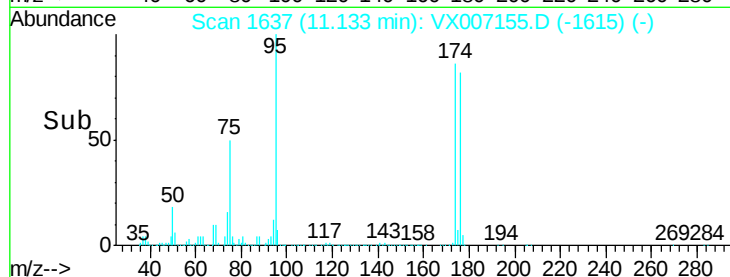
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.691 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

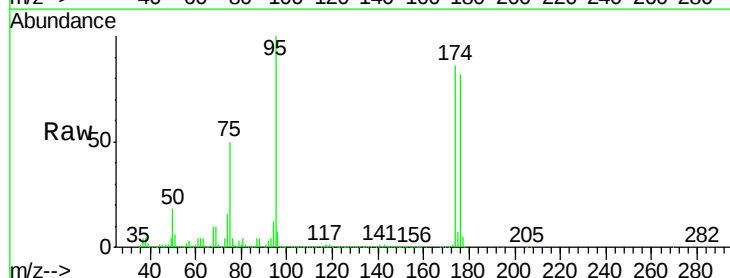
Tgt Ion: 75 Resp: 177885

Ion Ratio Lower Upper

75 100

53 0.2 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

200000

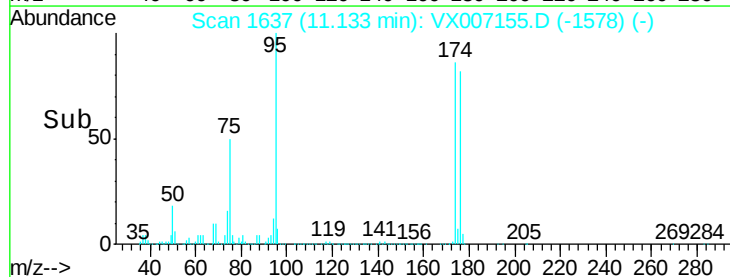
150000

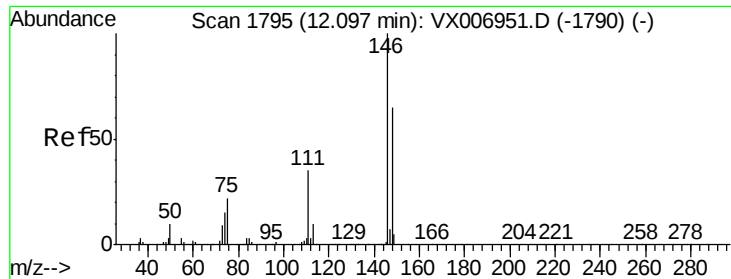
100000

50000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 0.206 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX007155.D

Acq: 21 Jan 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

SA-TW517-2327

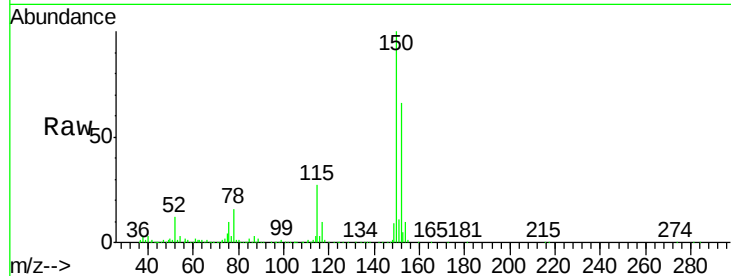
Tot Ion:146 Resp: 839

Ion Ratio Lower Upper

146 100

111 586.1 18.1 54.1#

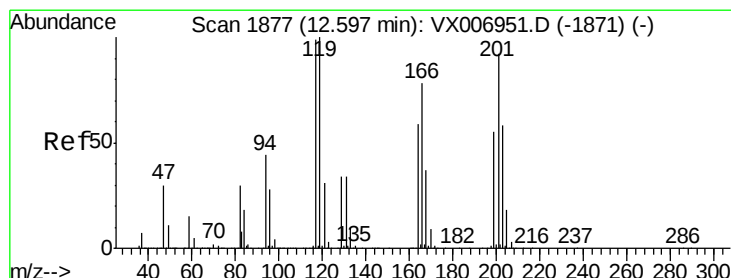
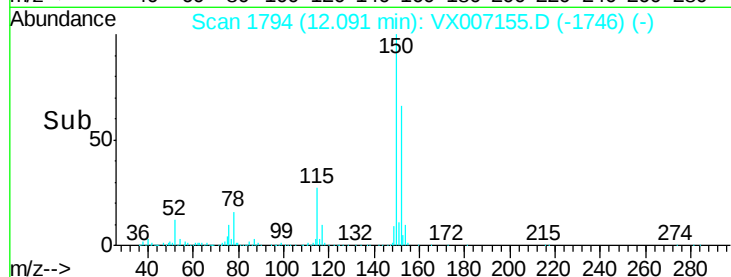
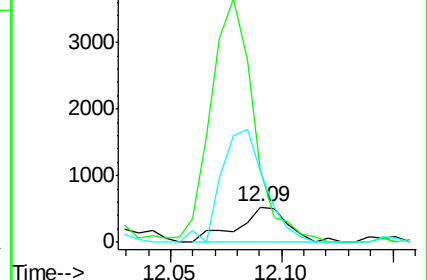
148 275.4 31.9 95.9#



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: 2.923 ug/l

RT: 12.82 min Scan# 1914

Delta R.T. 0.23 min

Lab File: VX007155.D

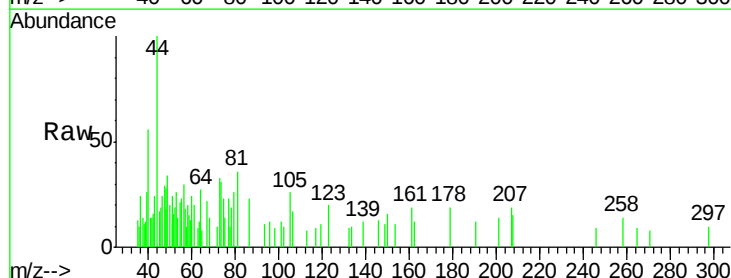
Acq: 21 Jan 2019 13:36

Tgt Ion:117 Resp: 63

Ion Ratio Lower Upper

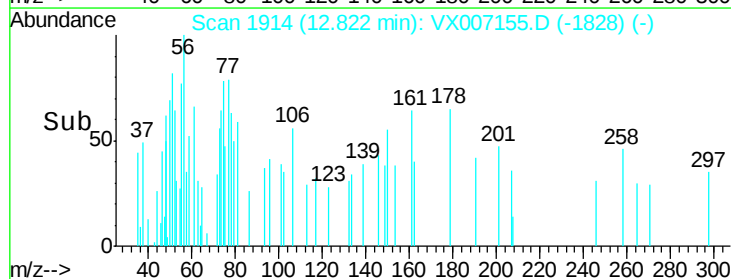
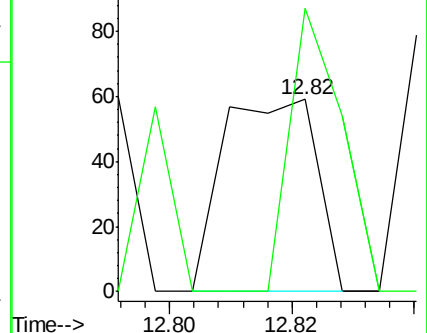
117 100

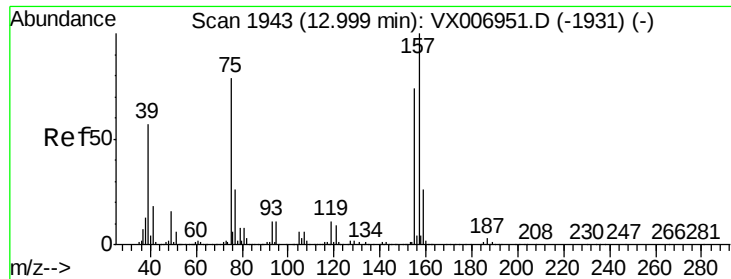
201 82.5 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.207 ug/l
 RT: 12.96 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VX007155.D
 Acq: 21 Jan 2019 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW517-2327

Tot Ion	Ratio	Lower	Upper
75	100		
155	0.0	50.6	151.8#
157	0.0	64.6	193.8#

