

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011619\
 Data File : VX007073.D
 Acq On : 16 Jan 2019 13:53
 Operator : JC/SP
 Sample : K1148-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-1

Quant Time: Jan 16 23:59:42 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	574779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	885995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	825773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	303622	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	5.51	113	272294	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	1052689	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	373774	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

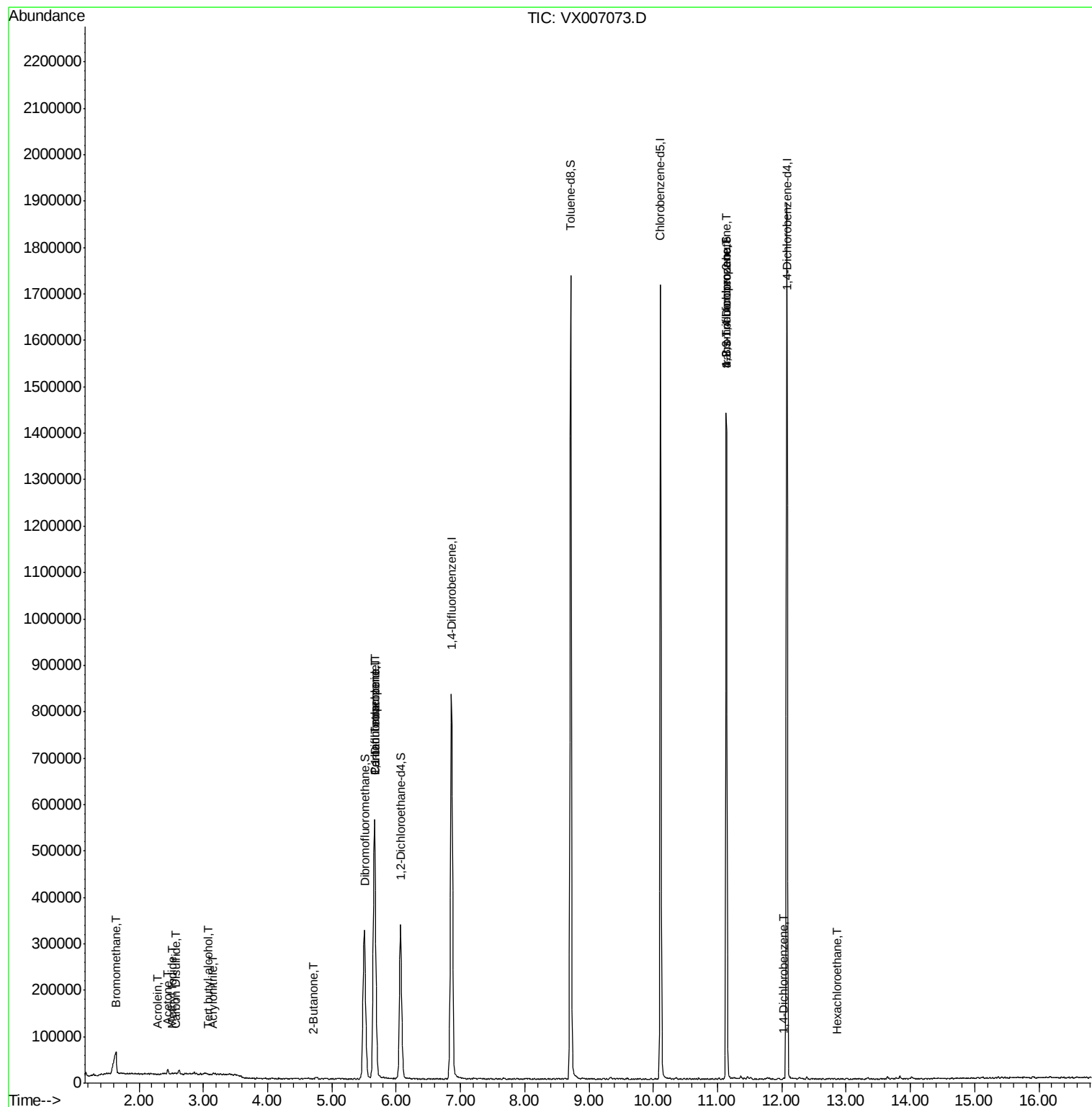
					Qvalue	
5) Bromomethane	1.64	94	2444	0.387	ug/l	89
10) Methyl Iodide	2.51	142	2316	0.300	ug/l #	96
11) Tert butyl alcohol	3.08	59	522	0.368	ug/l #	59
13) Acrolein	2.28	56	155	3.335	ug/l #	1
15) Acrylonitrile	3.14	53	656	0.202	ug/l #	33
16) Acetone	2.45	43	9946	3.349	ug/l #	88
17) Carbon Disulfide	2.57	76	2801	0.206	ug/l	95
20) Methylene Chloride	2.86	84	2669	Below Cal	#	74
25) 2-Butanone	4.71	43	1464	0.345	ug/l #	89
36) 1,1-Dichloropropene	5.67	75	35613	4.623	ug/l #	49
38) Carbon Tetrachloride	5.67	117	52488	6.773	ug/l #	14
49) 1,4-Dioxane	7.74	88	93	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	176163	21.588	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	176163	64.003	ug/l #	10
88) 1,4-Dichlorobenzene	12.03	146	1107	0.227	ug/l	82
90) Hexachloroethane	12.85	117	102	2.932	ug/l	70

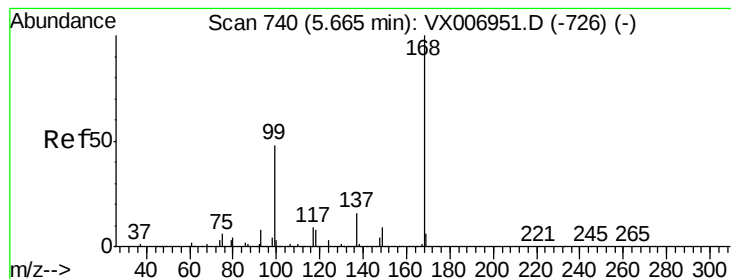
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007073.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

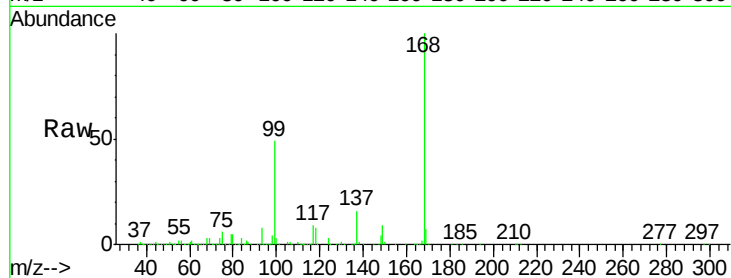
T-1

Tot Ion:168 Resp: 574779

Ion Ratio Lower Upper

168 100

99 48.8 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

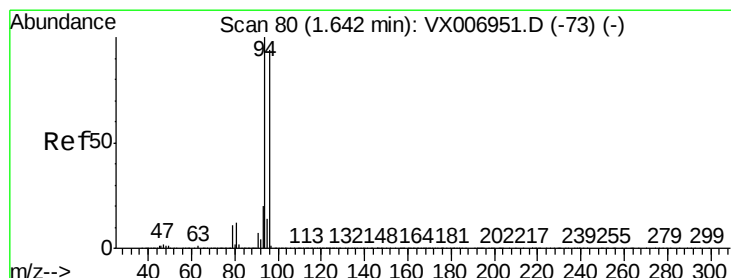
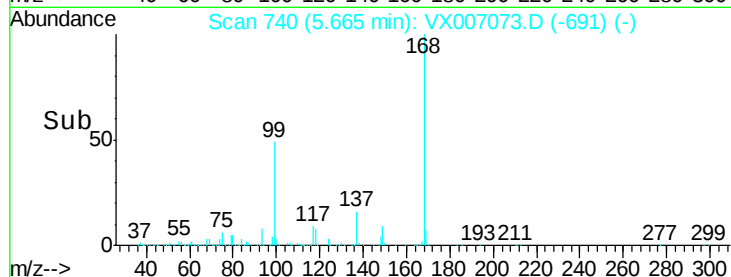
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.387 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007073.D

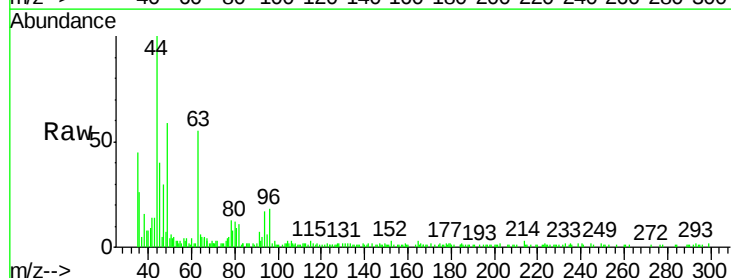
Acq: 16 Jan 2019 13:53

Tgt Ion: 94 Resp: 2444

Ion Ratio Lower Upper

94 100

96 102.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

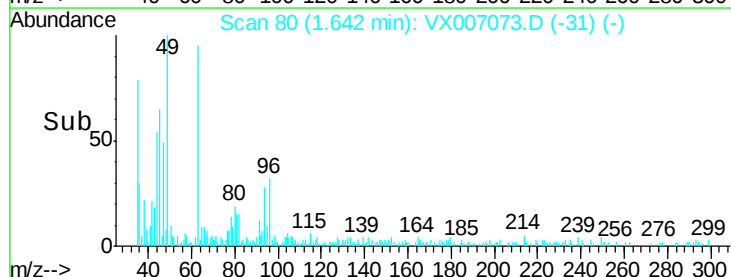
1500

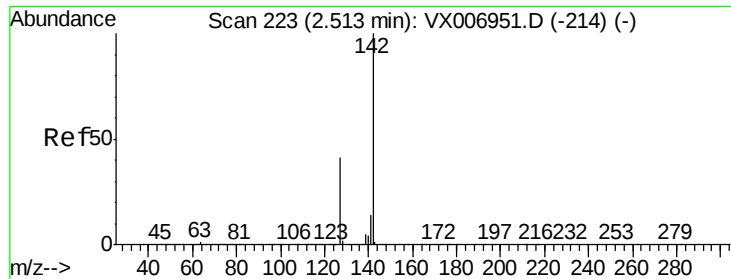
1000

500

0

Time-->

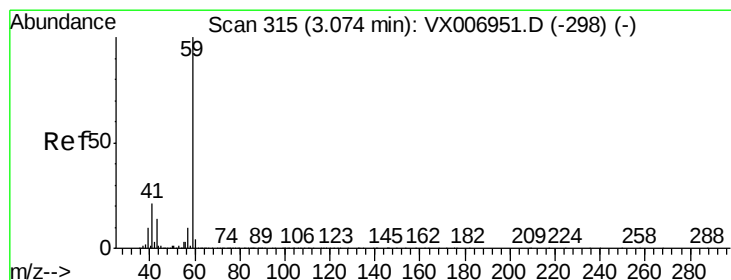
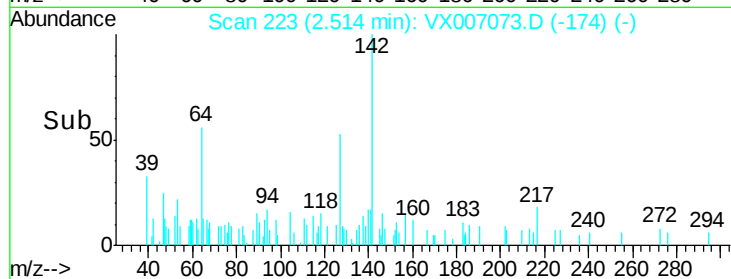
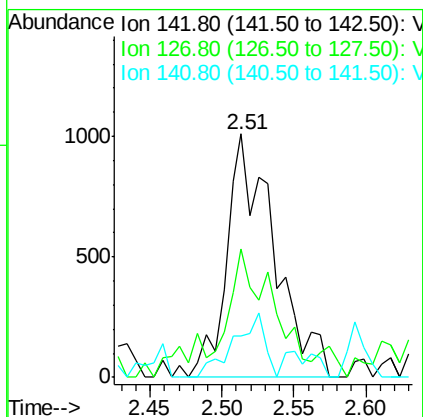
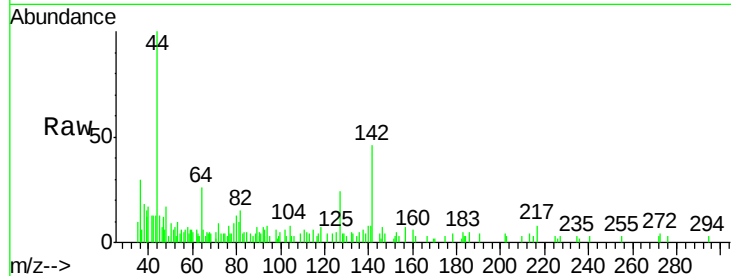




#10
Methvl Iodide
Concen: 0.300 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

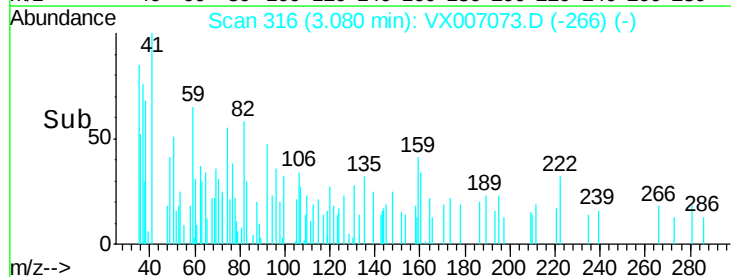
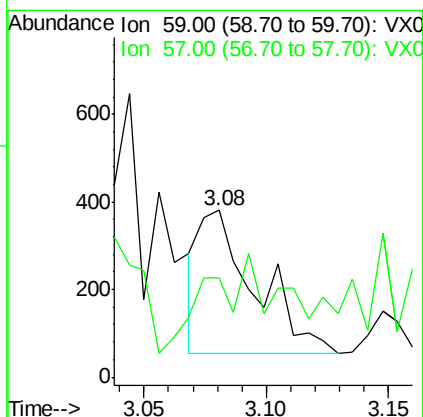
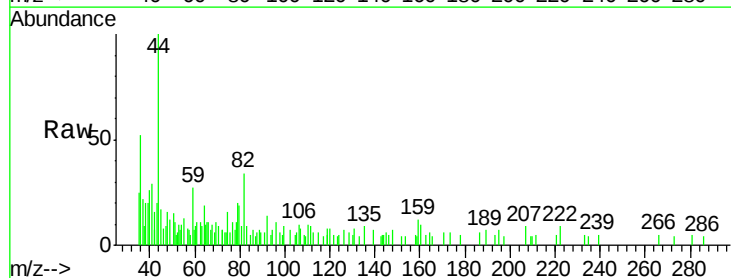
Instrument :
MSVOA_X
ClientSampled :
T-1

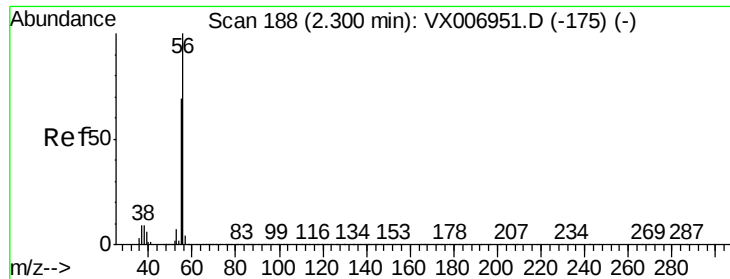
Tot Ion:142 Resp: 2316
Ion Ratio Lower Upper
142 100
127 40.3 33.9 50.9
141 17.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.368 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

Tgt Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 25.9 8.5 12.7#





#13

Acrolein

Concen: 3.335 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.02 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

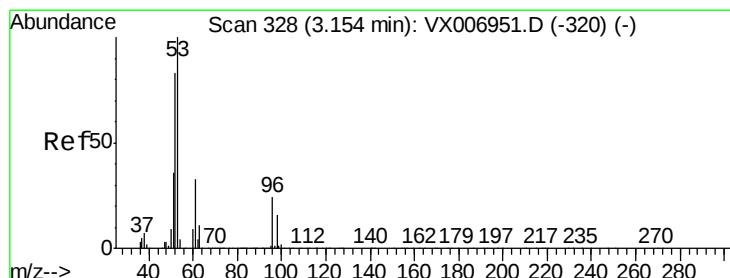
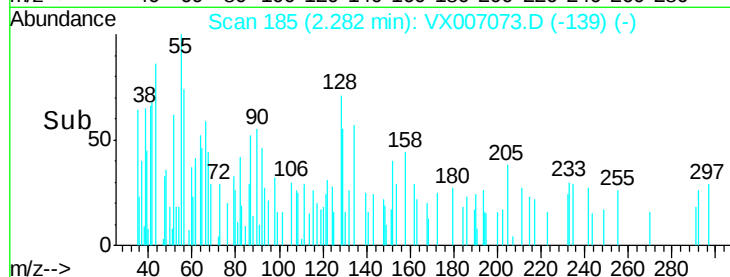
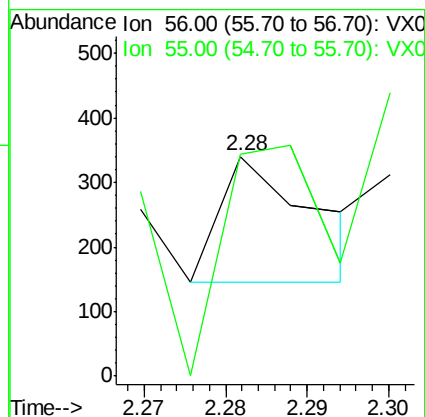
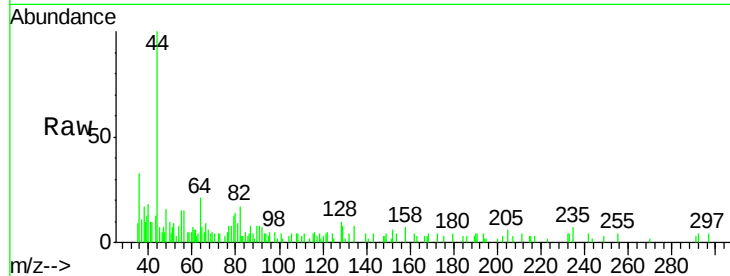
T-1

Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 206.5 58.2 87.4#



#15

Acrylonitrile

Concen: 0.202 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

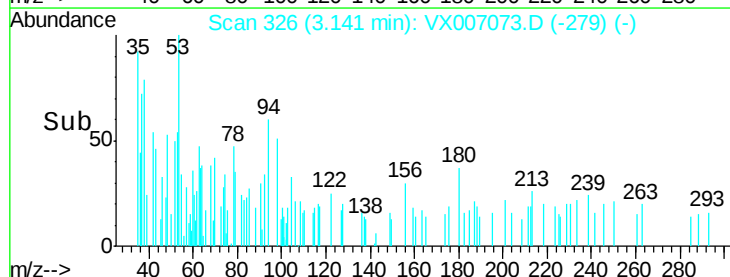
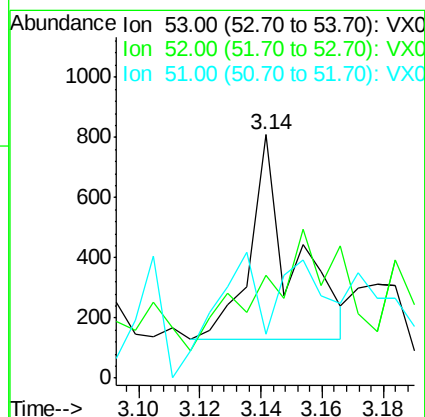
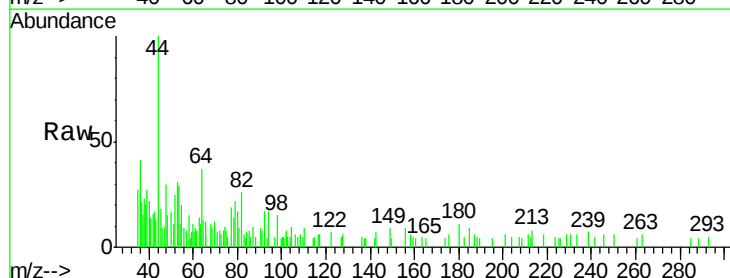
Tgt Ion: 53 Resp: 656

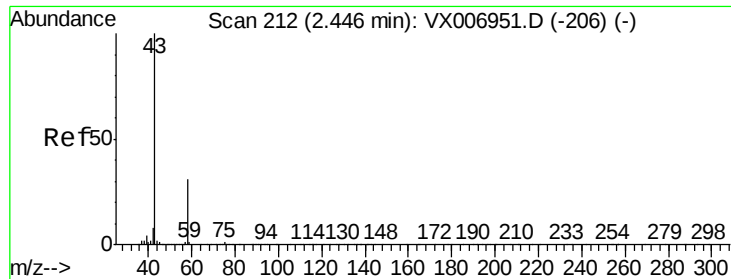
Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 41.3 28.6 42.8

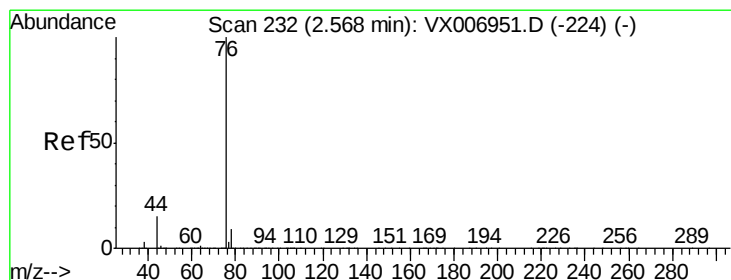
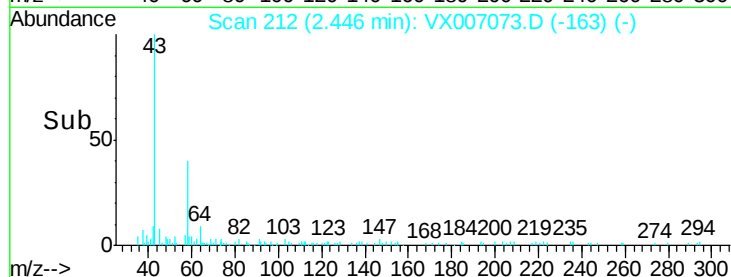
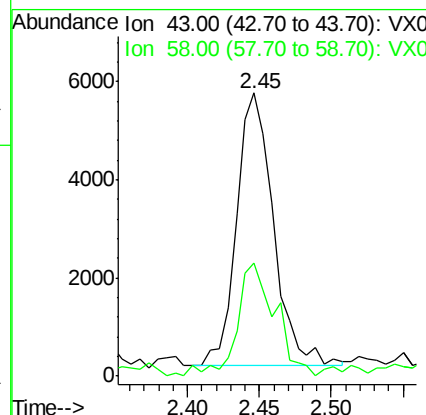
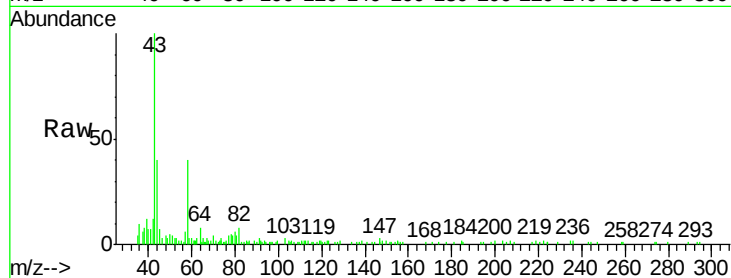




#16
Acetone
Concen: 3.349 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

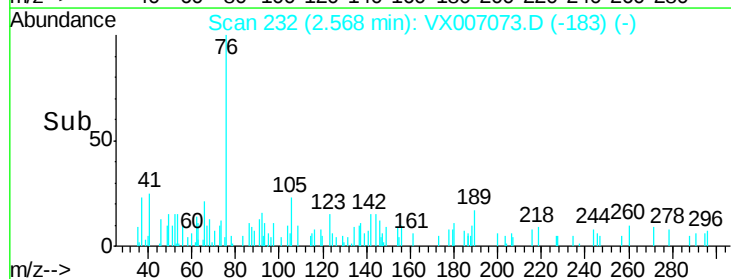
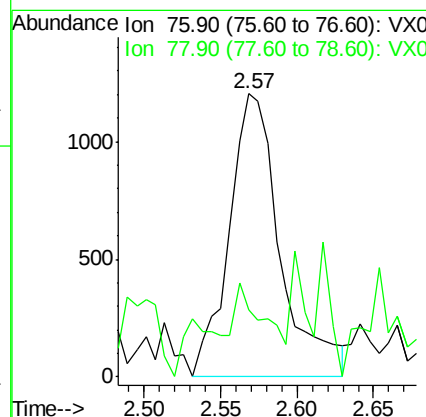
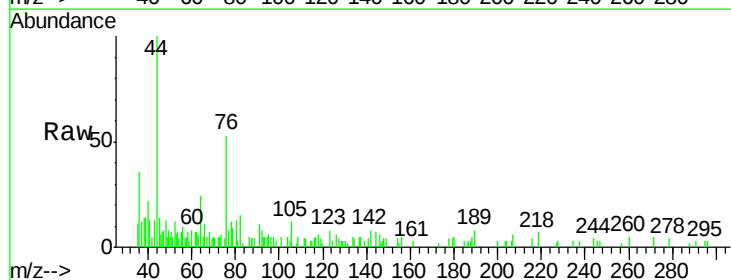
Instrument :
MSVOA_X
ClientSampleId :
T-1

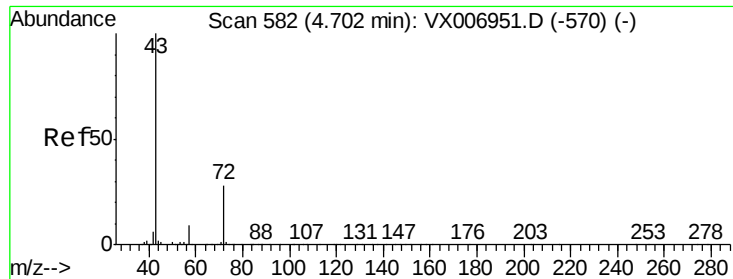
Tot Ion: 43 Resp: 9946
Ion Ratio Lower Upper
43 100
58 38.2 25.0 37.6#



#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

Tgt Ion: 76 Resp: 2801
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.6





#25

2-Butanone

Concen: 0.345 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

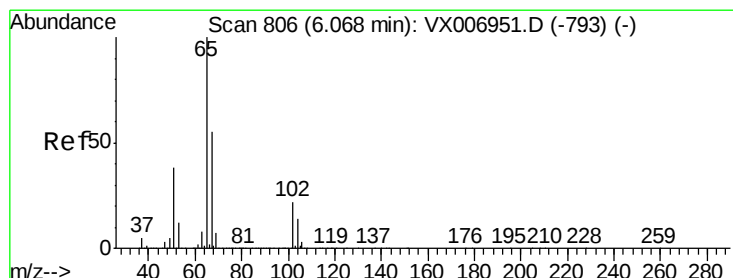
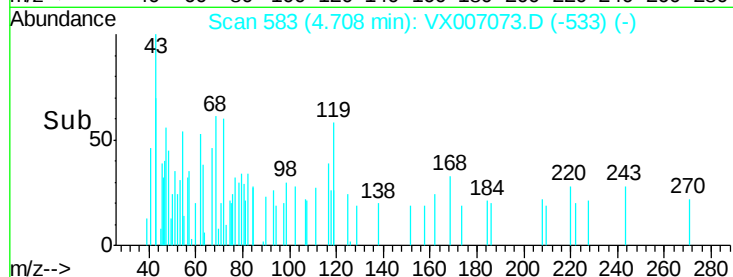
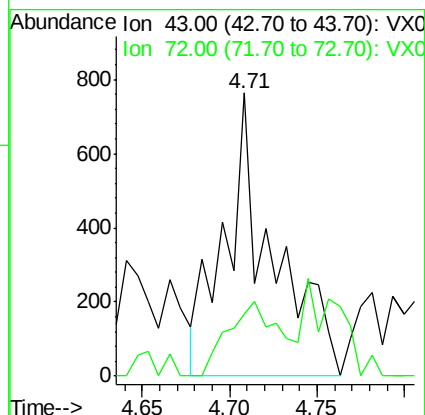
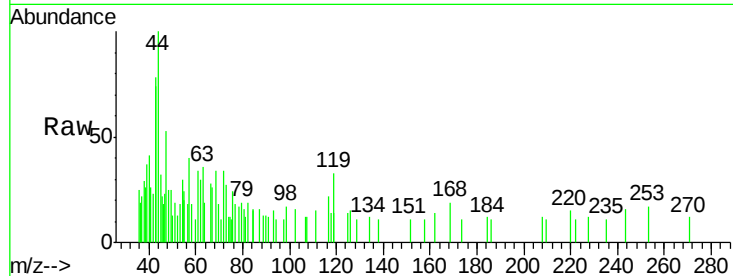
T-1

Tot Ion: 43 Resp: 1464

Ion Ratio Lower Upper

43 100

72 22.0 22.4 33.6#



#33

1,2-Dichloroethane-d4

Concen: 50.545 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007073.D

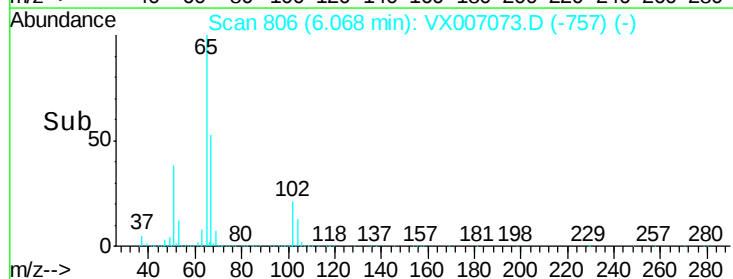
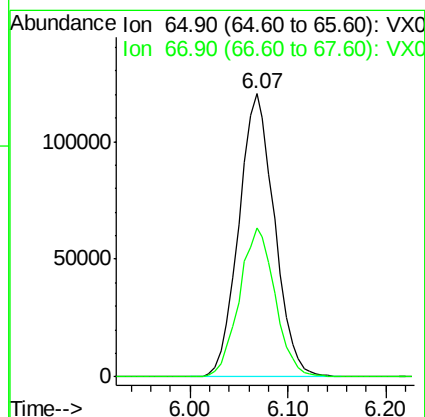
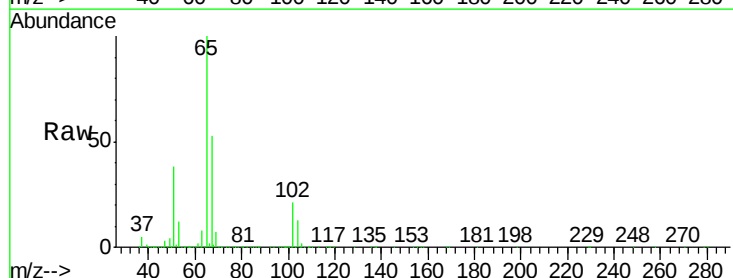
Acq: 16 Jan 2019 13:53

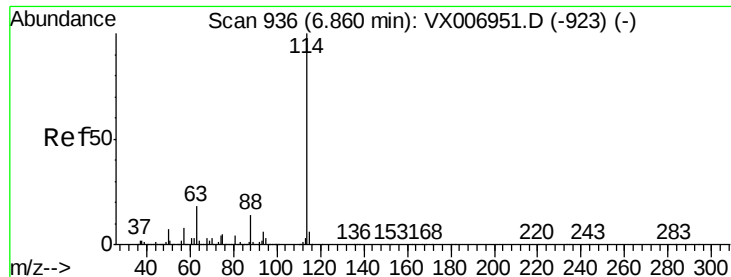
Tgt Ion: 65 Resp: 303622

Ion Ratio Lower Upper

65 100

67 53.0 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: VX007073.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

T-1

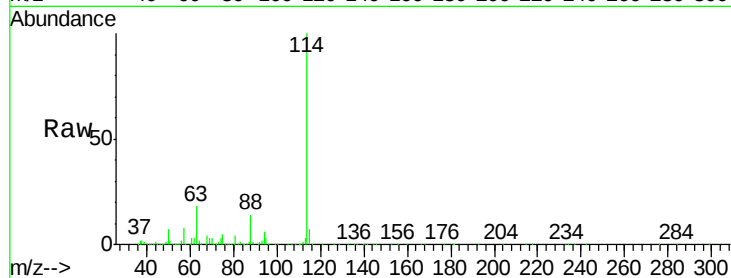
Tot Ion:114 Resp: 885995

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 14.3 0.0 28.8



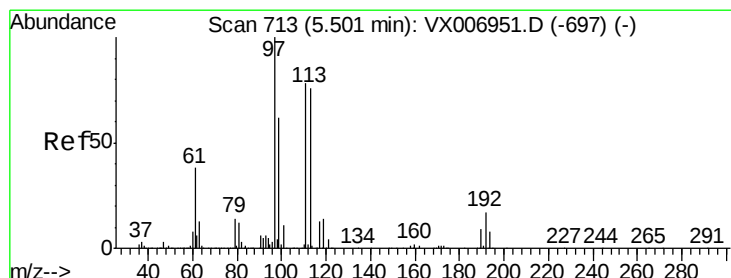
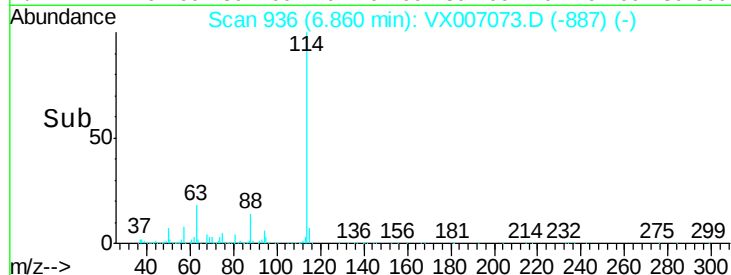
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

Time-->



#35

Dibromofluoromethane

Concen: 47.991 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

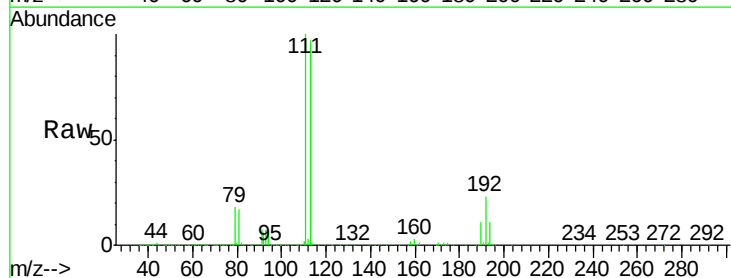
Tgt Ion:113 Resp: 272294

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

192 22.6 16.7 25.1



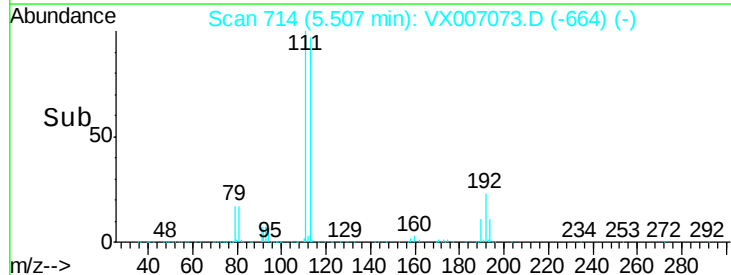
Abundance Ion 112.80 (112.50 to 113.50): V

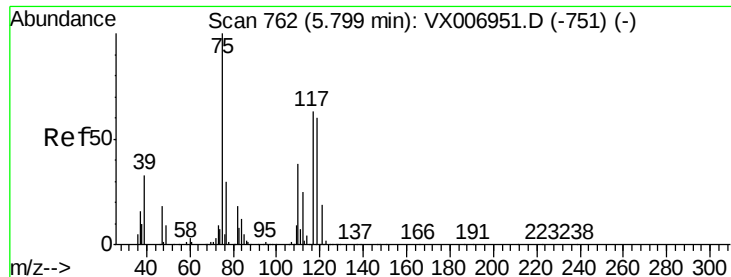
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.51

Time-->





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

T-1

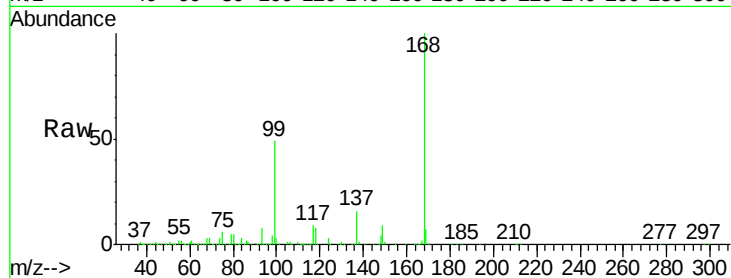
Tot Ion: 75 Resp: 35613

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

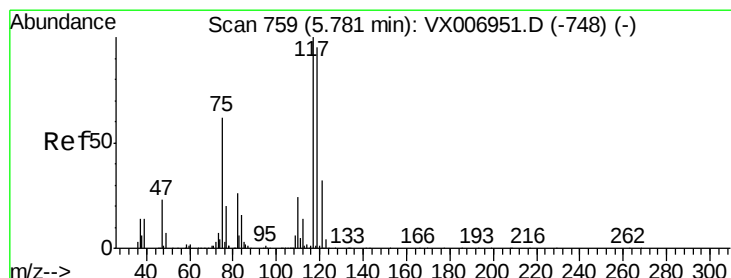
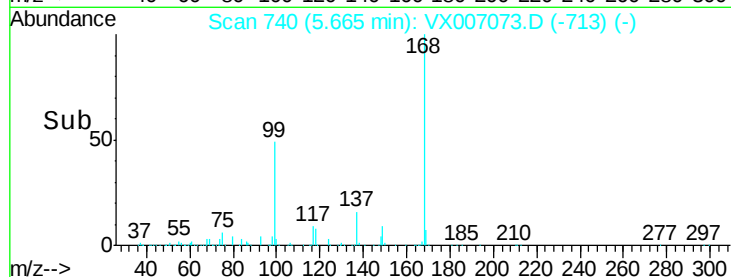
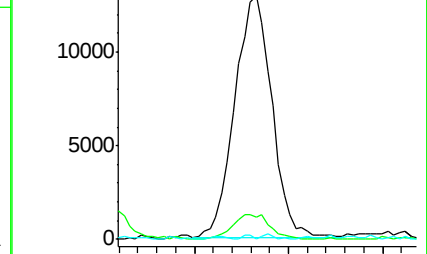
77 0.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX006951.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX006951.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX006951.D (-751) (-)



#38

Carbon Tetrachloride

Concen: 6.773 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

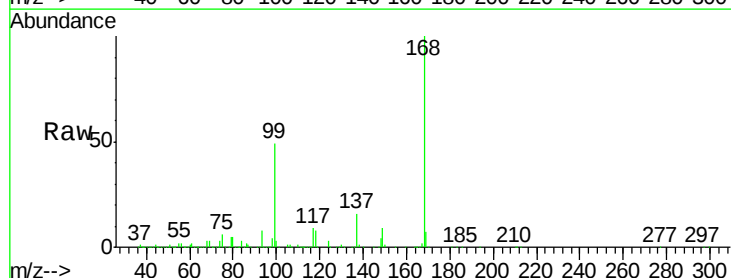
Tgt Ion: 117 Resp: 52488

Ion Ratio Lower Upper

117 100

119 4.7 79.4 119.2#

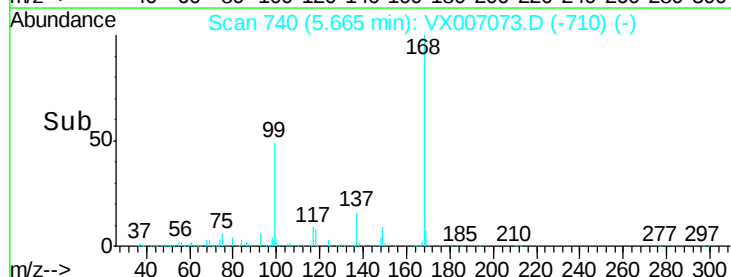
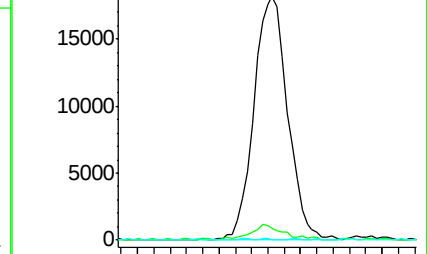
121 0.0 24.0 36.0#

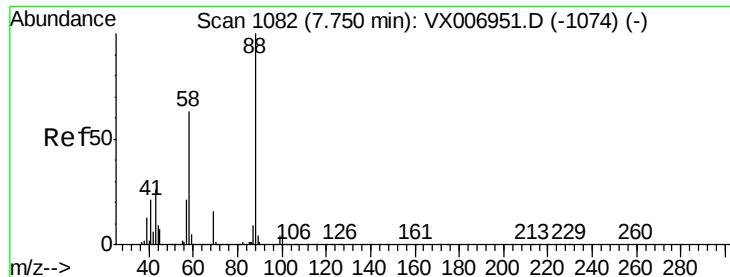


Abundance Ion 116.80 (116.50 to 117.50): VX006951.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX006951.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX006951.D (-748) (-)

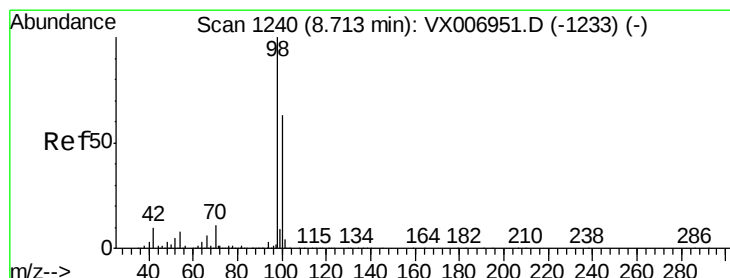
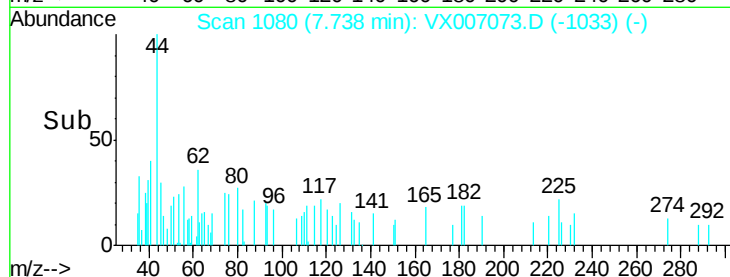
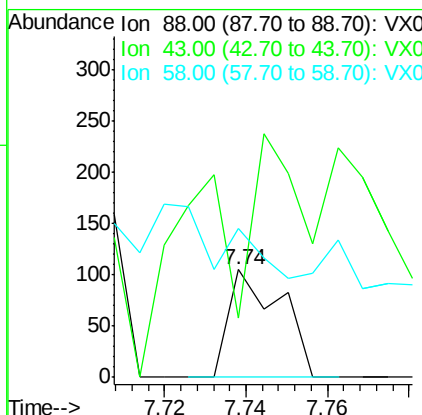
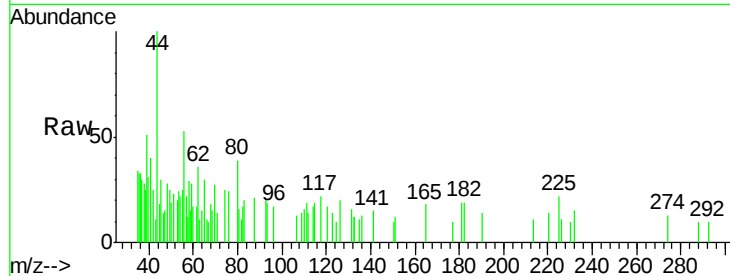




#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: VX007073.D
 Acq: 16 Jan 2019 13:53

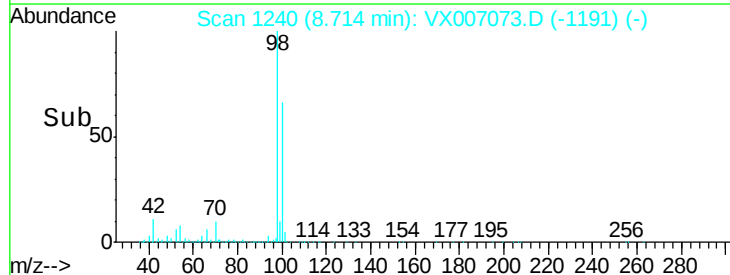
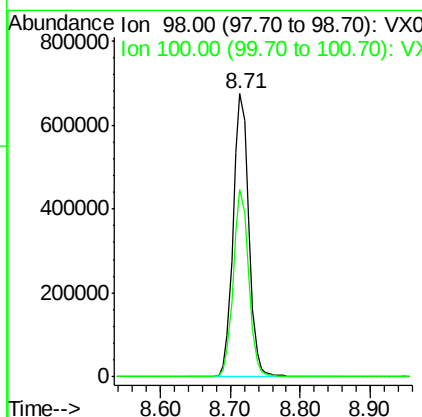
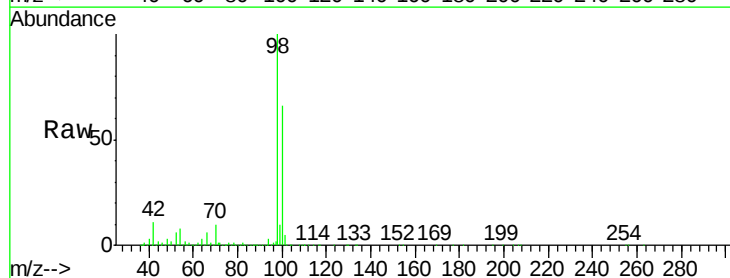
Instrument :
 MSVOA_X
 ClientSampled :
 T-1

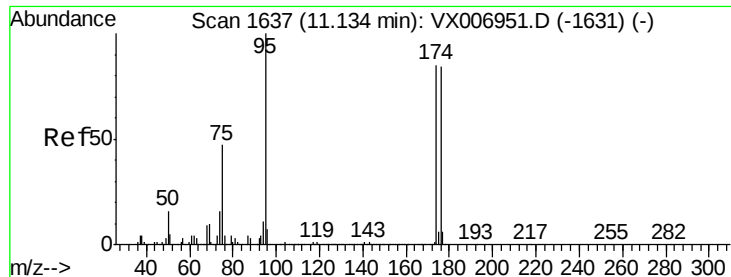
Tot Ion: 88 Resp: 93
 Ion Ratio Lower Upper
 88 100
 43 153.8 22.2 33.4#
 58 0.0 51.0 76.4#



#50
 Toluene-d8
 Concen: 50.688 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007073.D
 Acq: 16 Jan 2019 13:53

Tgt Ion: 98 Resp: 1052689
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.0 78.0

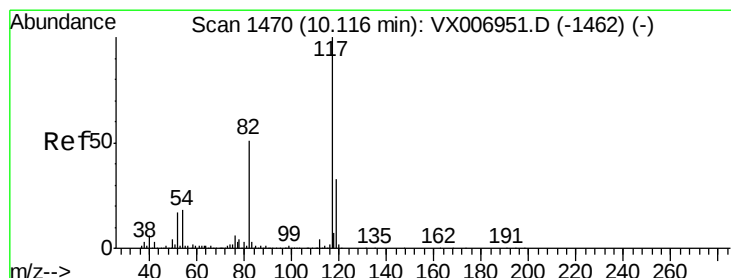
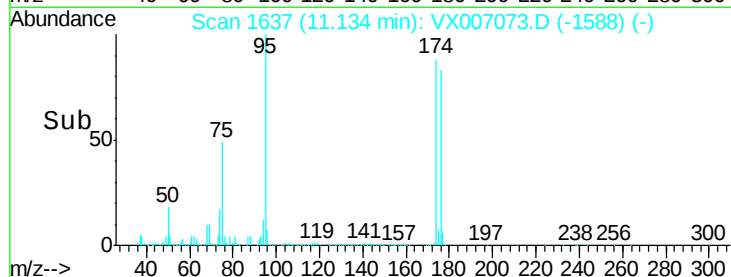
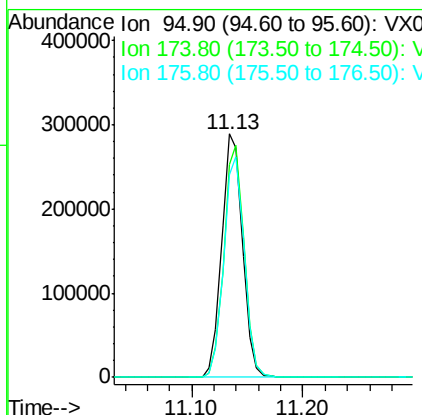
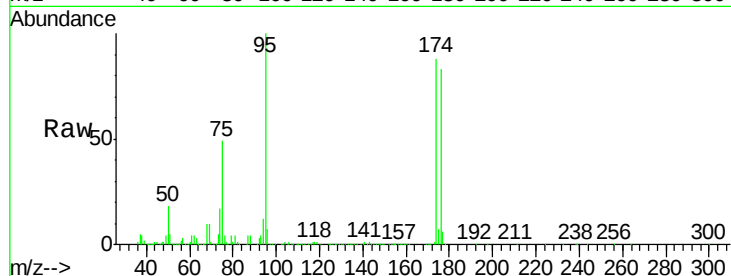




#62
4-Bromofluorobenzene
Concen: 51.624 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

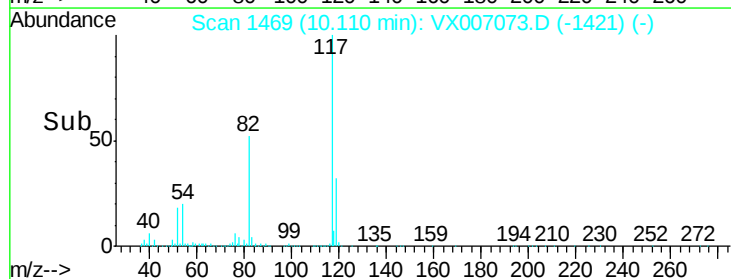
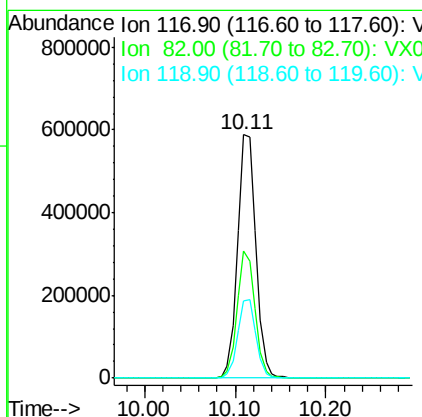
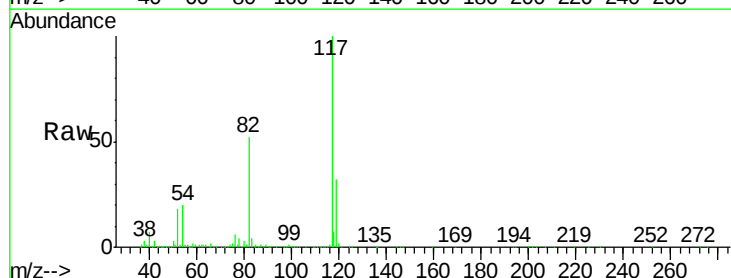
Instrument :
MSVOA_X
ClientSampled :
T-1

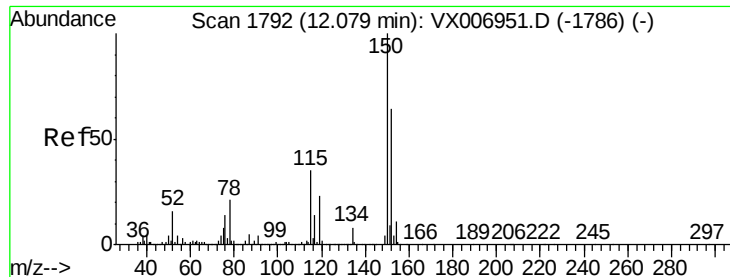
Tot Ion: 95 Resp: 373774
Ion Ratio Lower Upper
95 100
174 92.9 0.0 182.2
176 89.6 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

Tgt Ion: 117 Resp: 825773
Ion Ratio Lower Upper
117 100
82 52.0 41.0 61.6
119 32.0 25.4 38.0



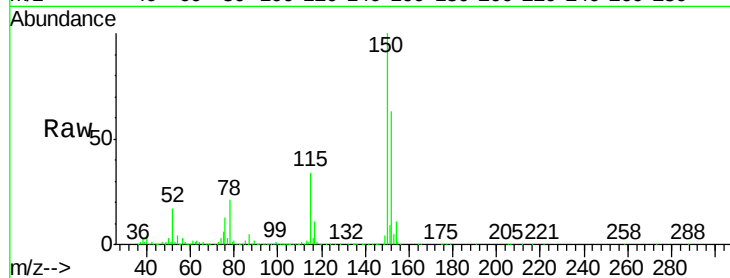


#72

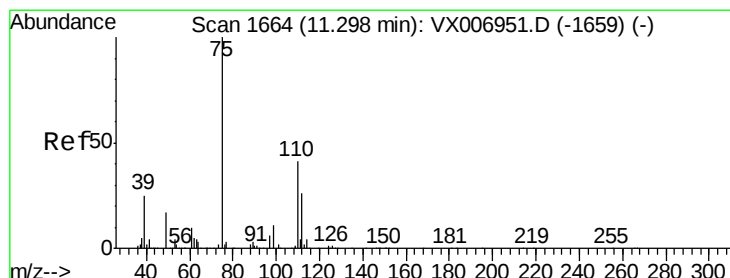
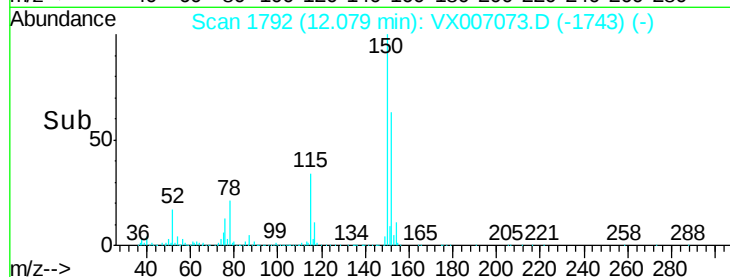
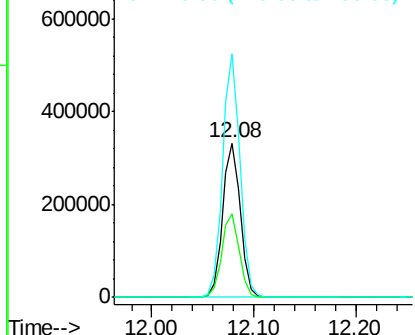
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

Instrument :
MSVOA_X
ClientSampleId :
T-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	39.1	117.2
150	155.2	0.0	344.8



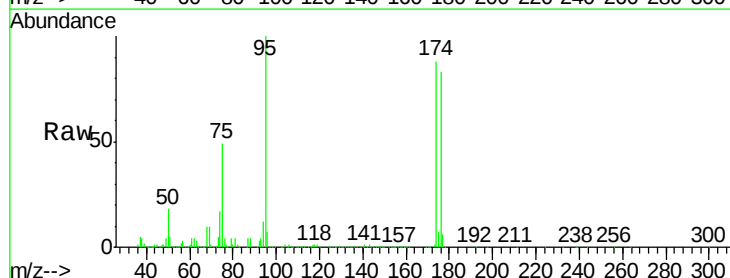
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



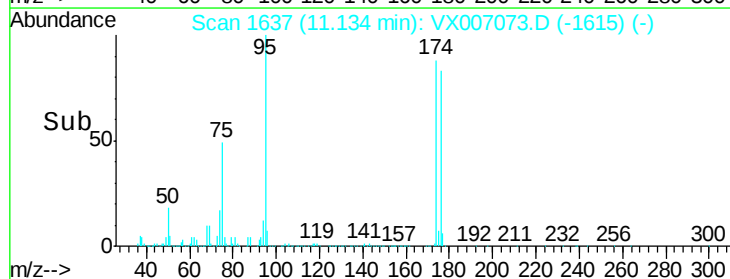
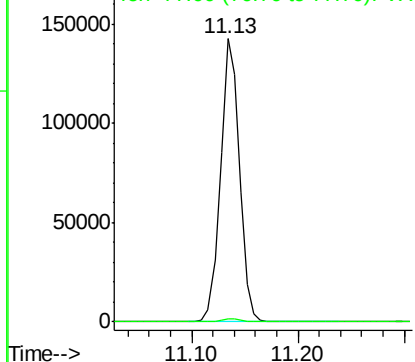
#76

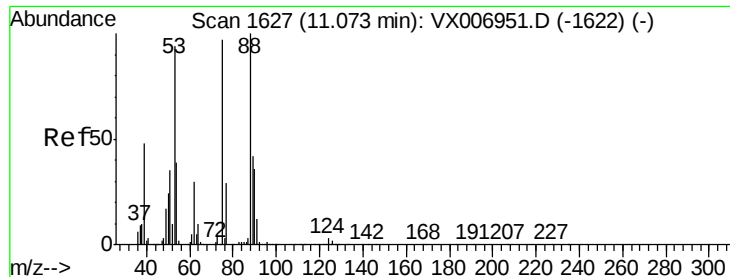
1,2,3-Trichloropropane
Concen: 21.588 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007073.D
Acq: 16 Jan 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 64.003 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

T-1

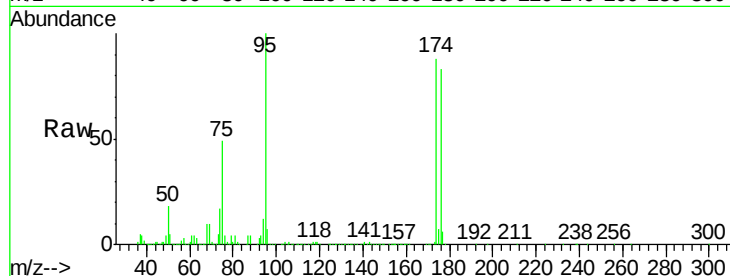
Tot Ion: 75 Resp: 176163

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

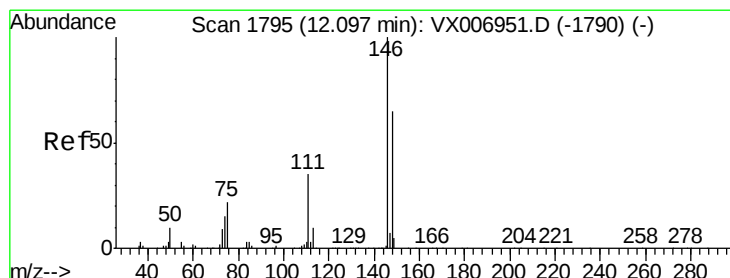
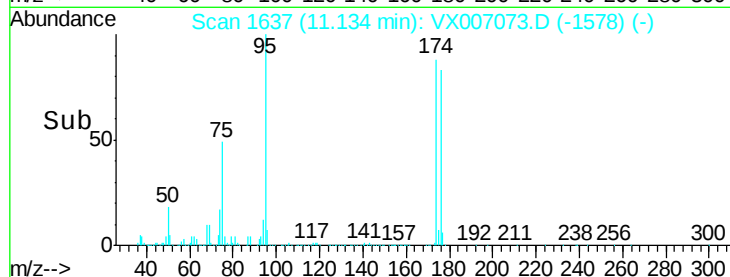
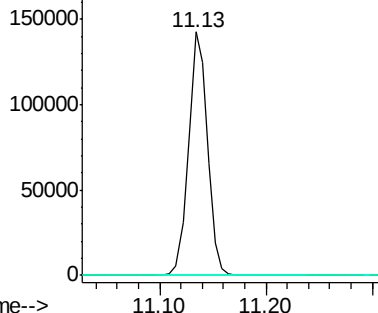
89 0.1 38.0 57.0#



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: 0.227 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.07 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

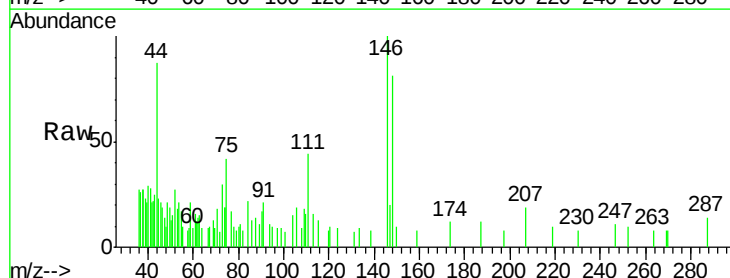
Tgt Ion: 146 Resp: 1107

Ion Ratio Lower Upper

146 100

111 46.9 18.1 54.1

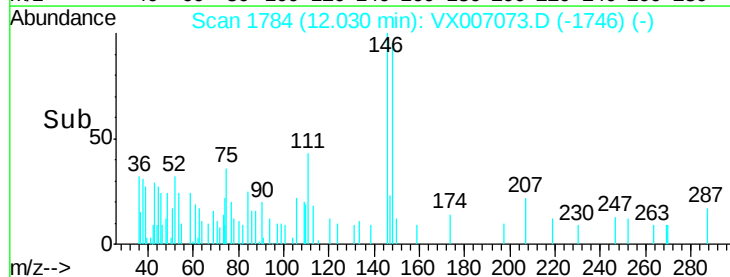
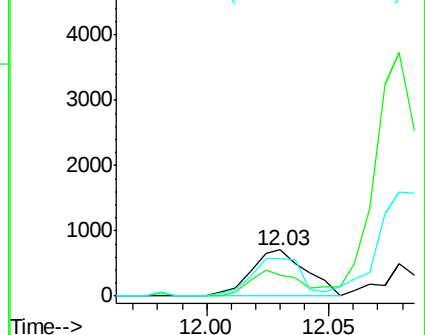
148 77.2 31.9 95.9

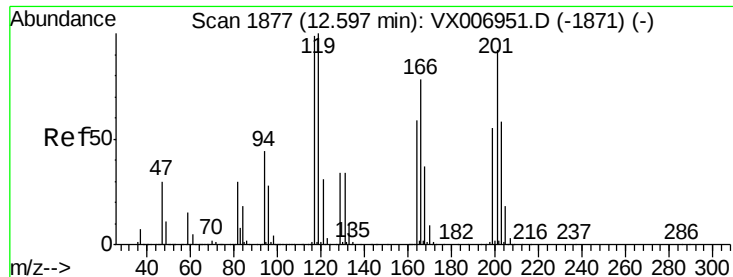


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 2.932 ug/l

RT: 12.85 min Scan# 1919

Delta R.T. 0.26 min

Lab File: VX007073.D

Acq: 16 Jan 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

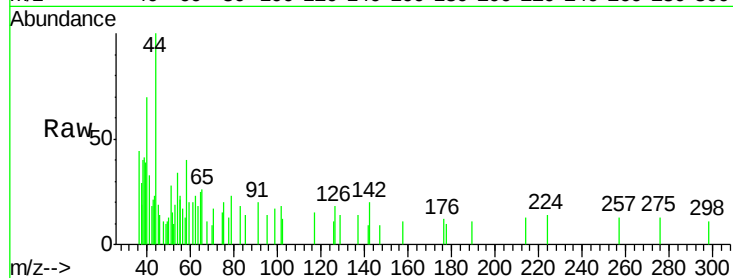
T-1

Tot Ion:117 Resp: 102

Ion Ratio Lower Upper

117 100

201 57.8 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

