

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006173.D
 Acq On : 26 Nov 2018 14:18
 Operator : JC/MD
 Sample : J6050-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 02:27:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	310928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469726	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	422702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200013	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	194248	53.91	ug/l	0.00
Spiked Amount			Recovery	=	107.82%	
35) Dibromofluoromethane	5.51	113	160446	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
50) Toluene-d8	8.71	98	560478	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.14	95	185301	42.94	ug/l	0.00
Spiked Amount			Recovery	=	85.88%	

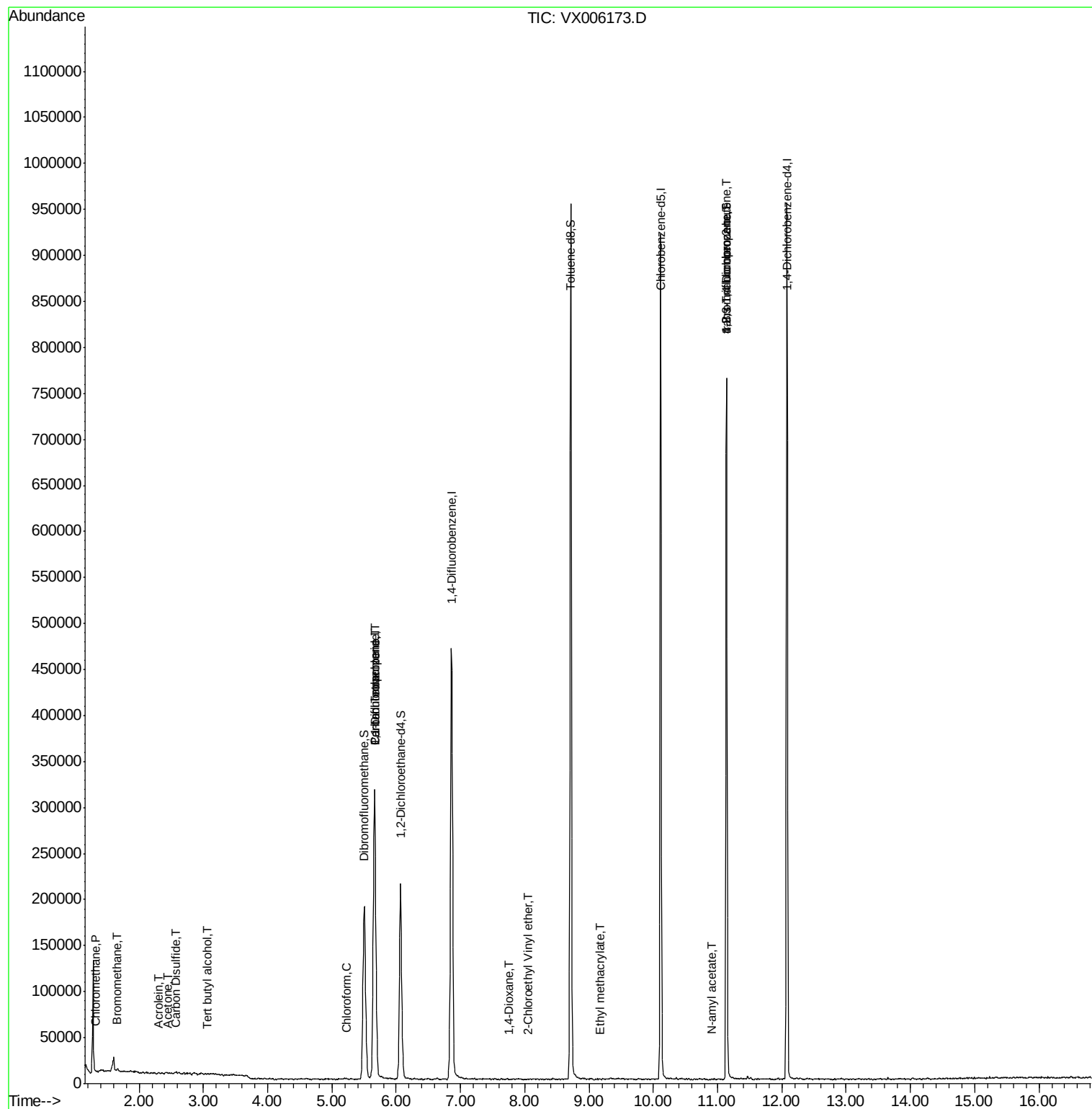
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	853	0.292	ug/l #	87
5) Bromomethane	1.65	94	931	4.092	ug/l #	80
6) Chloroethane	1.76	64	291	Below Cal		96
11) Tert butyl alcohol	3.06	59	610	0.796	ug/l #	71
13) Acrolein	2.29	56	120	0.262	ug/l #	13
16) Acetone	2.45	43	930	0.582	ug/l #	87
17) Carbon Disulfide	2.57	76	2640	0.435	ug/l #	93
20) Methylene Chloride	2.86	84	806	Below Cal	#	39
30) Chloroform	5.22	83	1407	0.251	ug/l	96
36) 1,1-Dichloropropene	5.67	75	22675	5.306	ug/l #	52
38) Carbon Tetrachloride	5.67	117	28769	7.162	ug/l #	16
49) 1,4-Dioxane	7.75	88	106	1.110	ug/l #	1
56) Ethyl methacrylate	9.18	69	226	2.906	ug/l #	23
58) 2-Chloroethyl Vinyl ether	8.06	63	78	6.747	ug/l	100
74) N-amyl acetate	10.90	43	420	2.258	ug/l #	73
76) 1,2,3-Trichloropropane	11.14	75	93238	22.642	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	93238	76.582	ug/l #	7

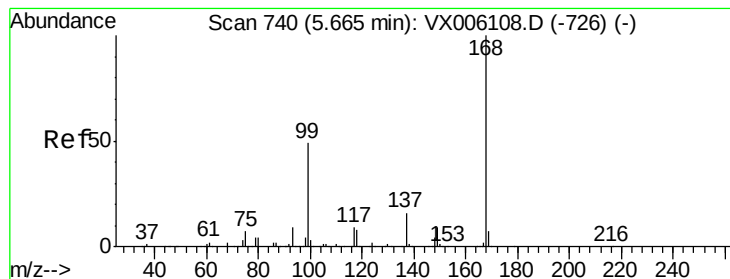
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :

MSVOA_X

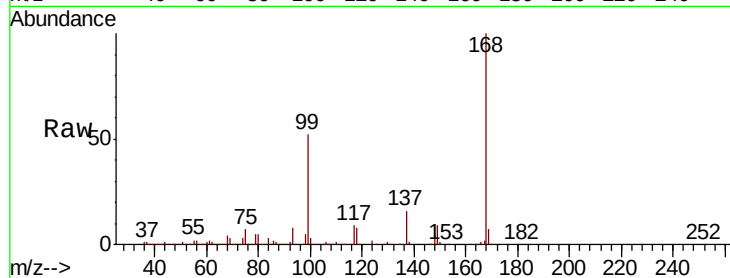
ClientSampleId :

Tot Ion:168 Resp: 310928

Ion Ratio Lower Upper

168 100

99 51.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

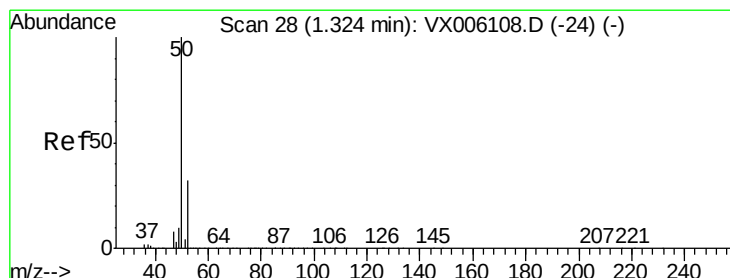
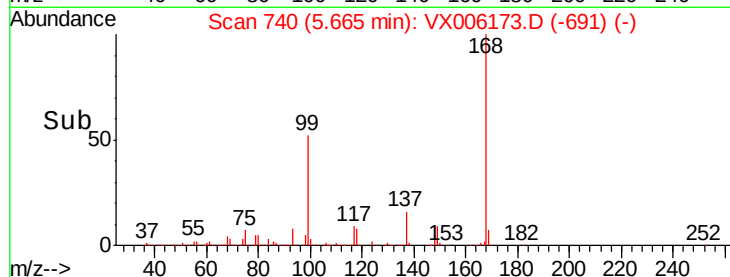
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.292 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006173.D

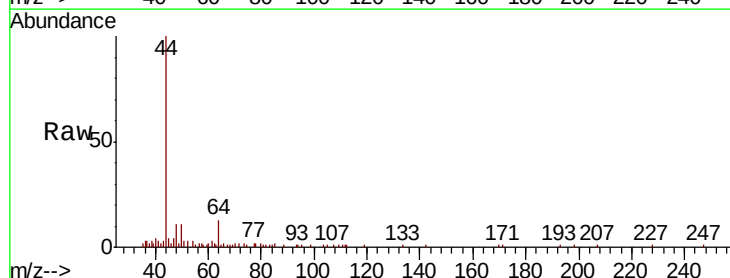
Acq: 26 Nov 2018 14:18

Tgt Ion: 50 Resp: 853

Ion Ratio Lower Upper

50 100

52 24.8 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

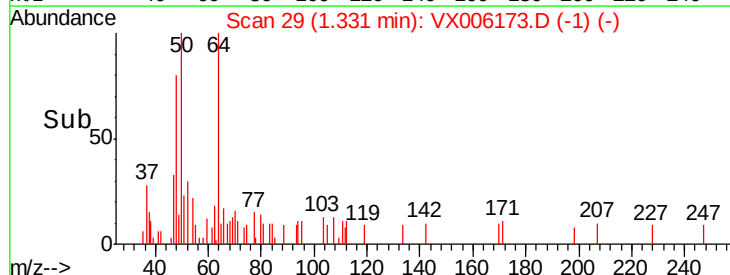
600

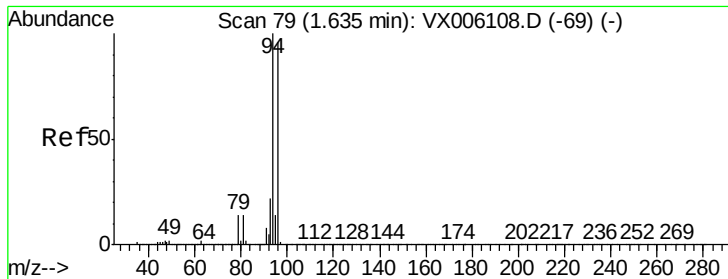
400

200

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 4.092 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :

MSVOA_X

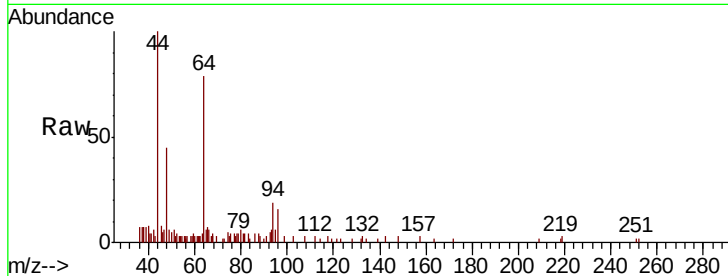
ClientSampled :

Tot Ion: 94 Resp: 931

Ion Ratio Lower Upper

94 100

96 76.7 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

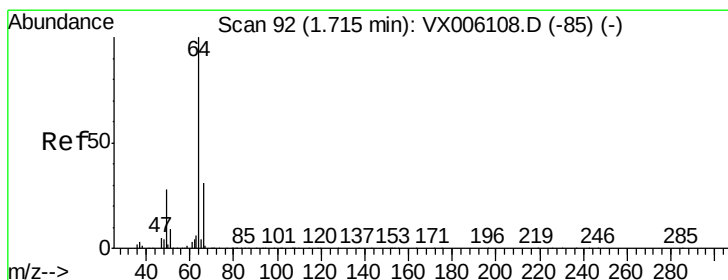
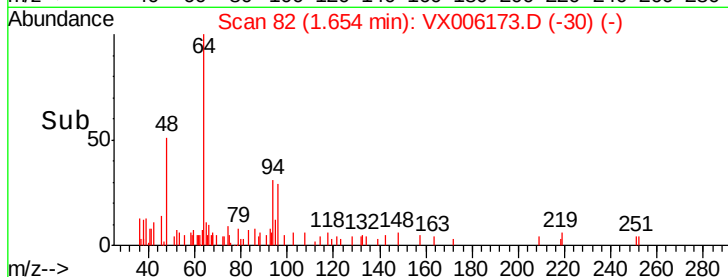
300

200

100

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX006173.D

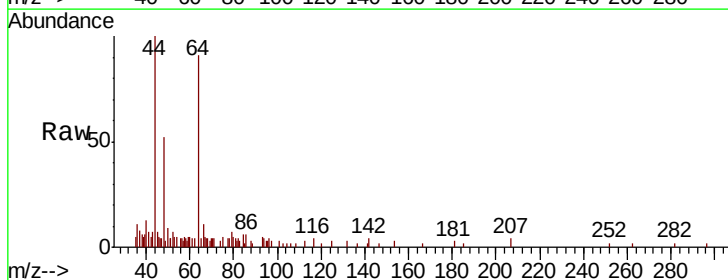
Acq: 26 Nov 2018 14:18

Tgt Ion: 64 Resp: 291

Ion Ratio Lower Upper

64 100

66 29.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

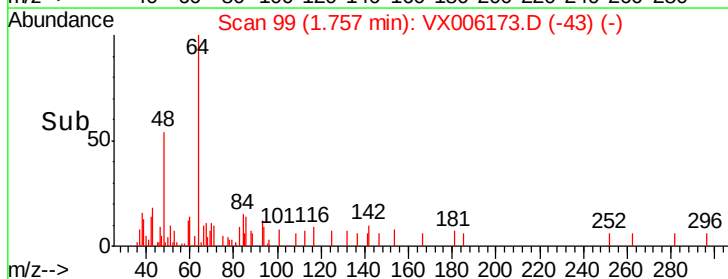
1500

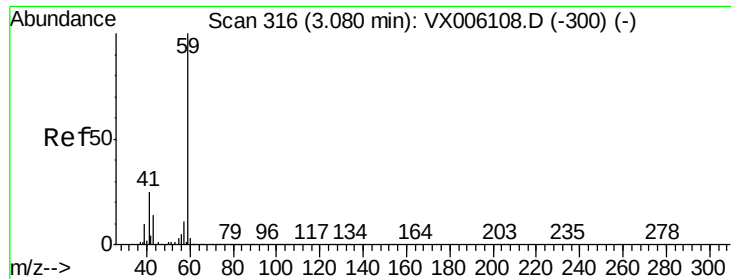
1000

500

0

Time-->



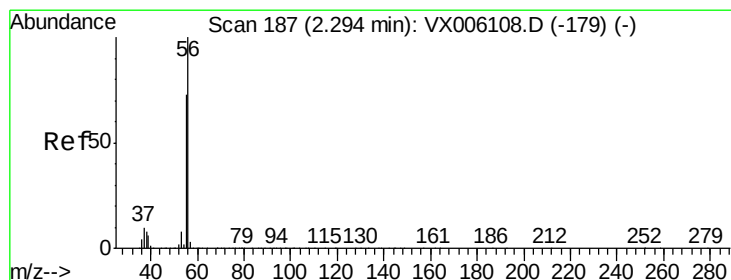
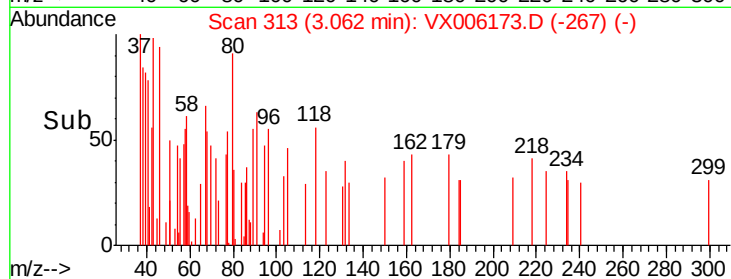
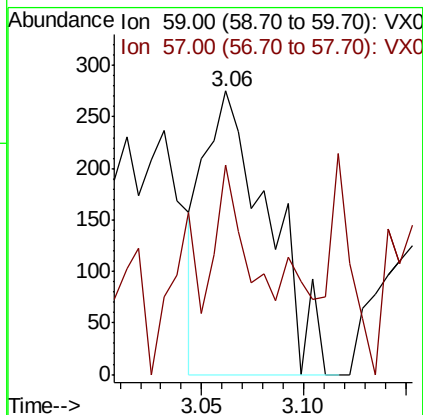
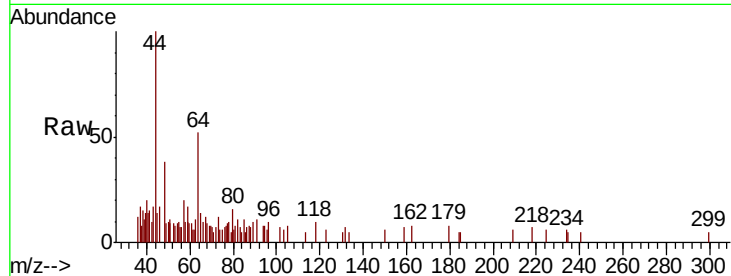


#11

Tert butyl alcohol
Concen: 0.796 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX006173.D
Acq: 26 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampled :

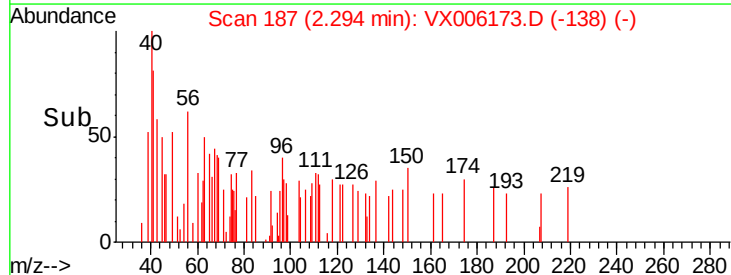
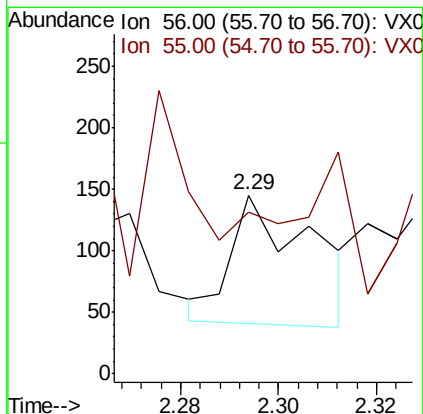
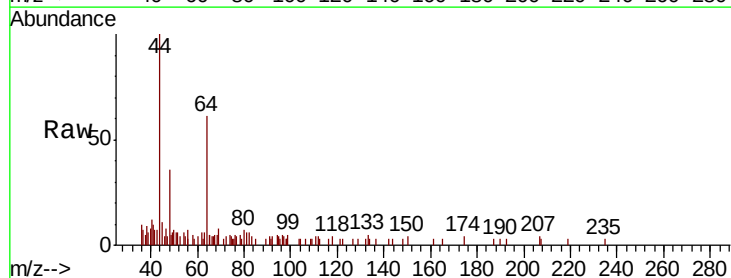
Tot Ion: 59 Resp: 610
Ion Ratio Lower Upper
59 100
57 21.8 8.7 13.1#

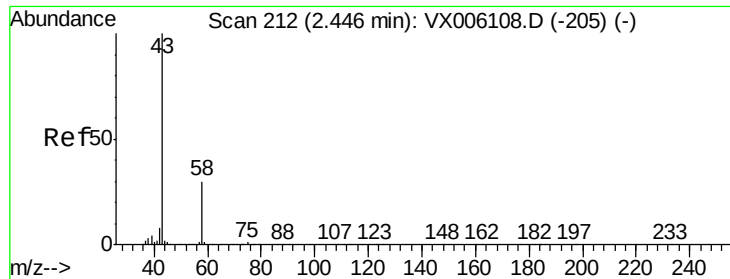


#13

Acrolein
Concen: 0.262 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006173.D
Acq: 26 Nov 2018 14:18

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#





#16

Acetone

Concen: 0.582 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :

MSVOA_X

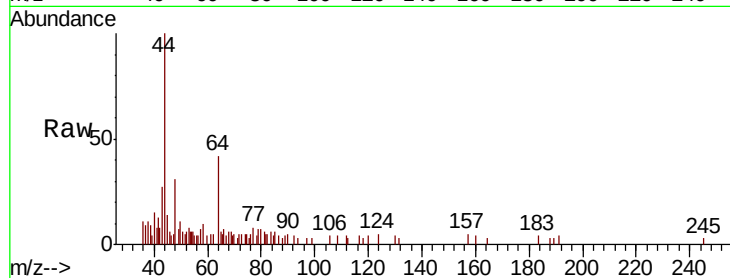
ClientSampleId :

Tot Ion: 43 Resp: 930

Ion Ratio Lower Upper

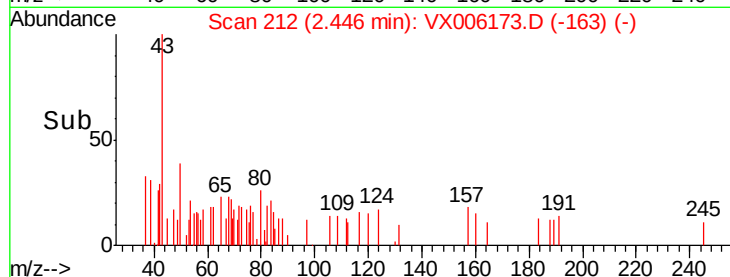
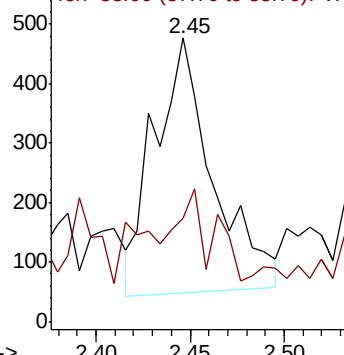
43 100

58 22.6 23.8 35.8#

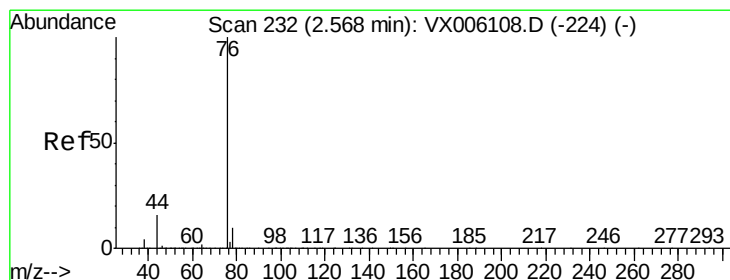


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.435 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006173.D

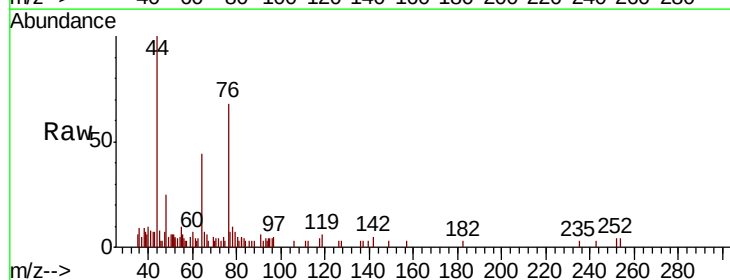
Acq: 26 Nov 2018 14:18

Tgt Ion: 76 Resp: 2640

Ion Ratio Lower Upper

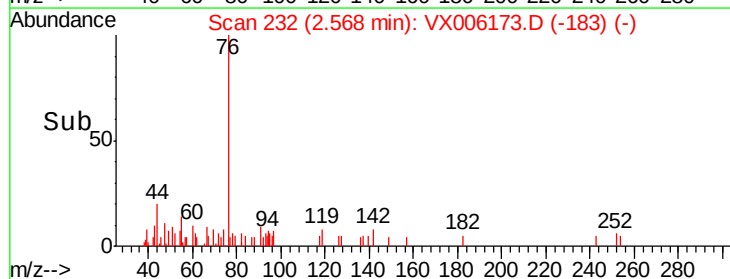
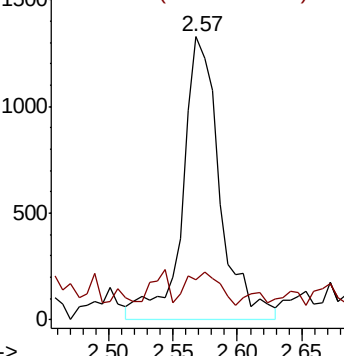
76 100

78 7.0 7.7 11.5#

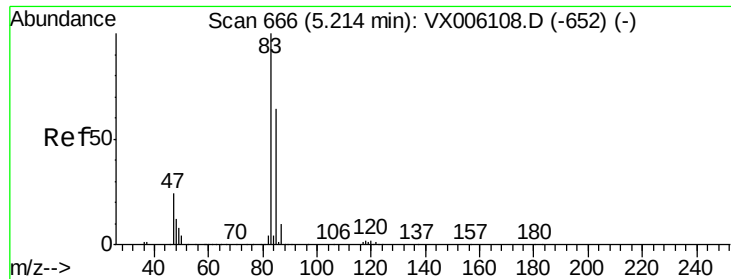


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



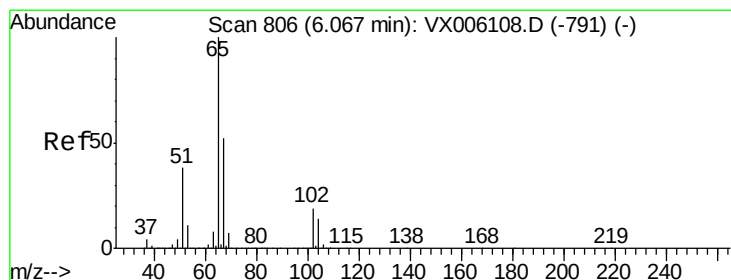
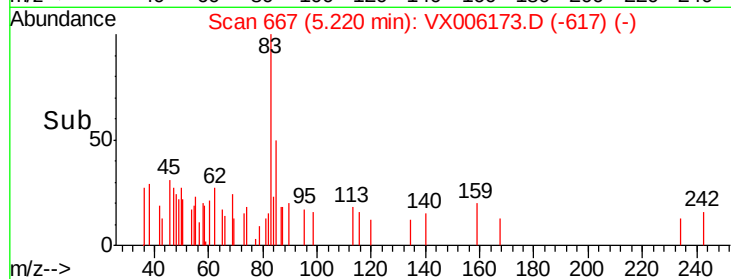
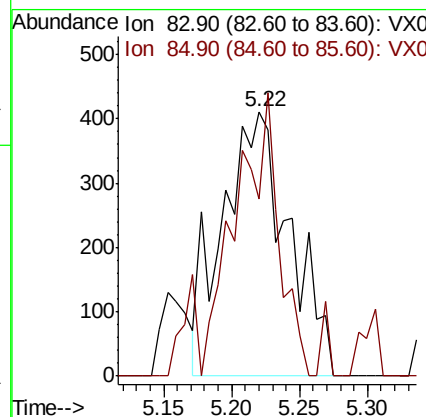
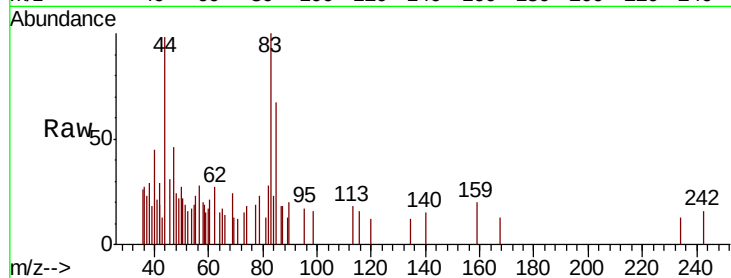
Time-->



#30
Chloroform
Concen: 0.251 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006173.D
Acq: 26 Nov 2018 14:18

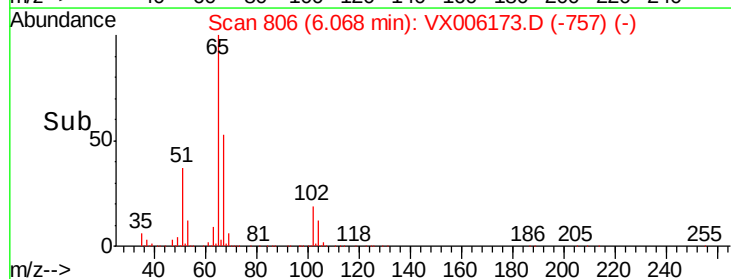
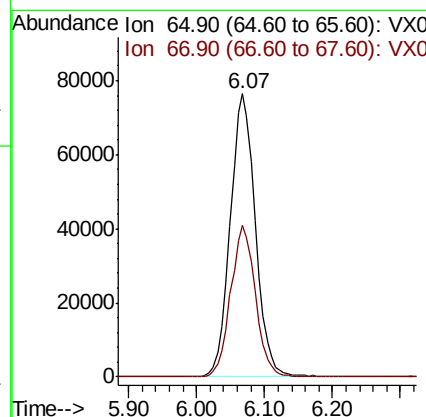
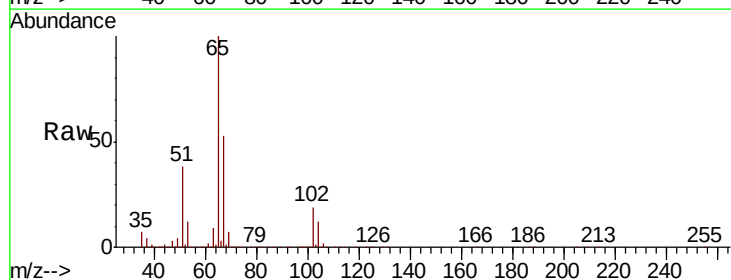
Instrument :
MSVOA_X
ClientSampled :

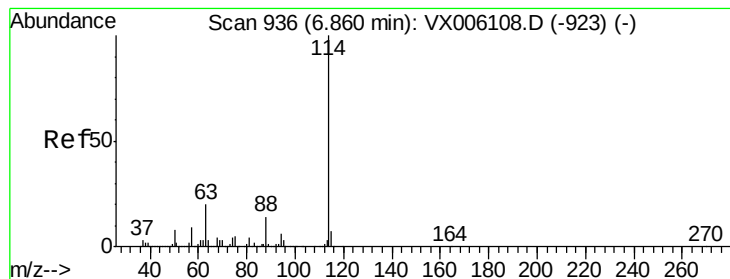
Tot Ion: 83 Resp: 1407
Ion Ratio Lower Upper
83 100
85 66.9 51.0 76.4



#33
1,2-Dichloroethane-d4
Concen: 53.915 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006173.D
Acq: 26 Nov 2018 14:18

Tgt Ion: 65 Resp: 194248
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

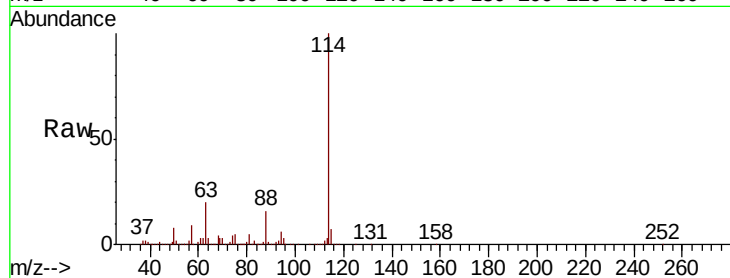
Tot Ion:114 Resp: 469726

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

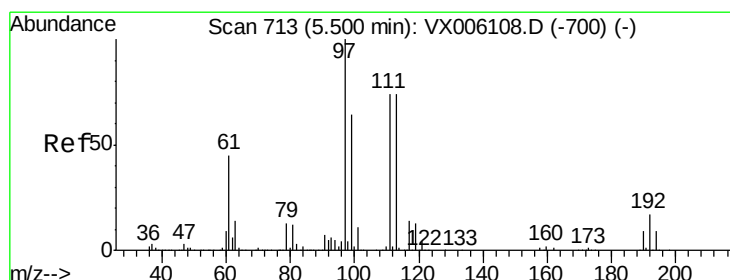
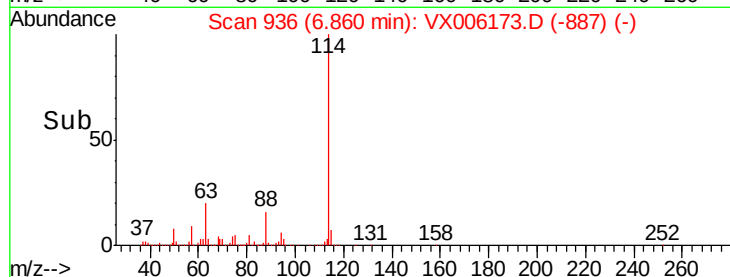
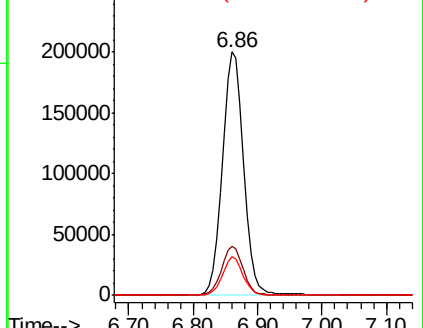
88 15.7 0.0 28.6



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: 53.211 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

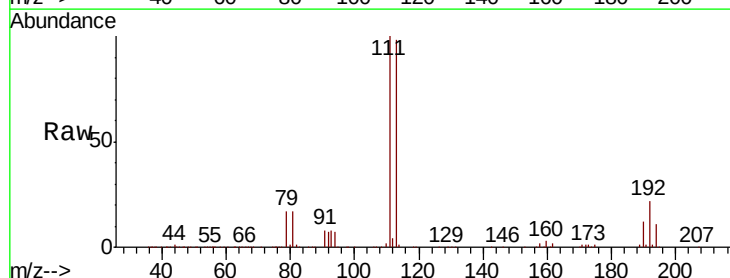
Tgt Ion:113 Resp: 160446

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

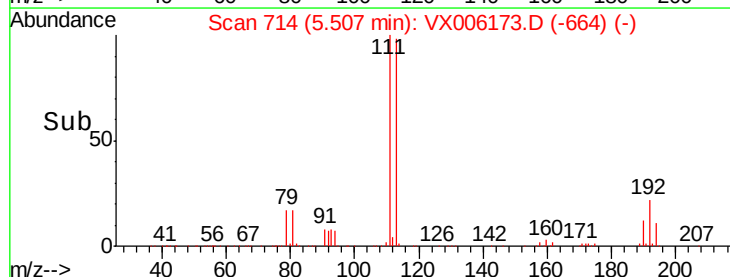
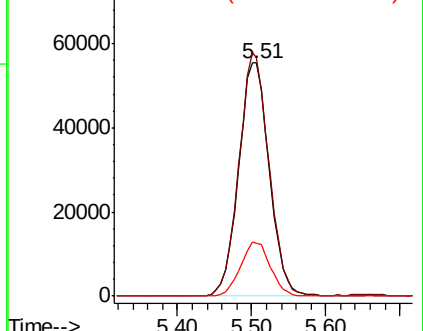
192 22.8 18.6 28.0

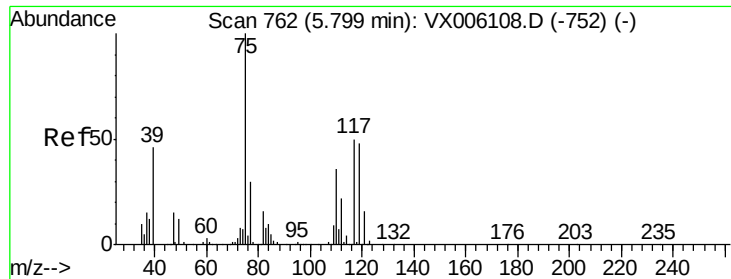


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

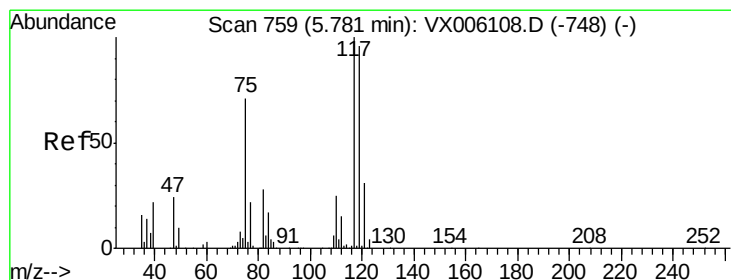
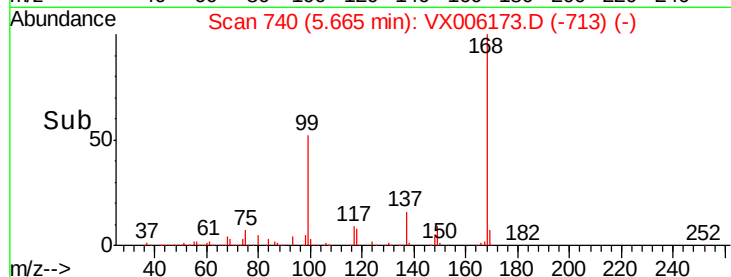
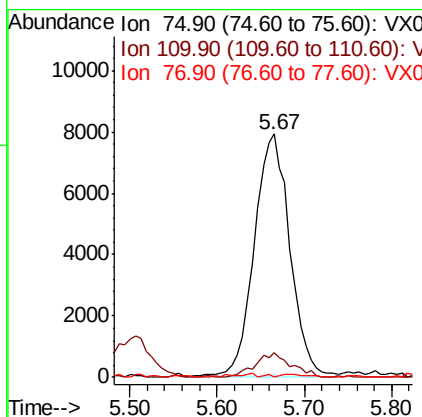
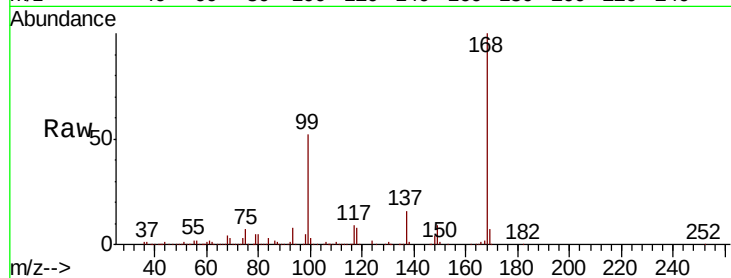




#36
 1,1-Dichloropropene
 Concen: 5.306 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006173.D
 Acq: 26 Nov 2018 14:18

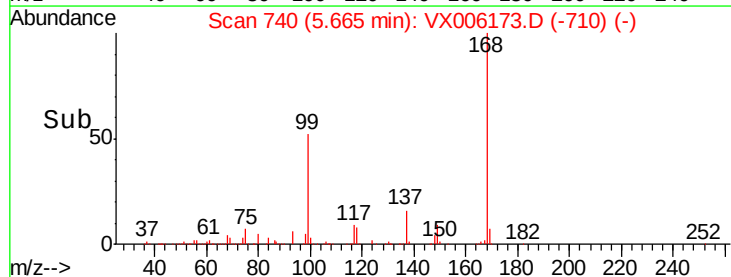
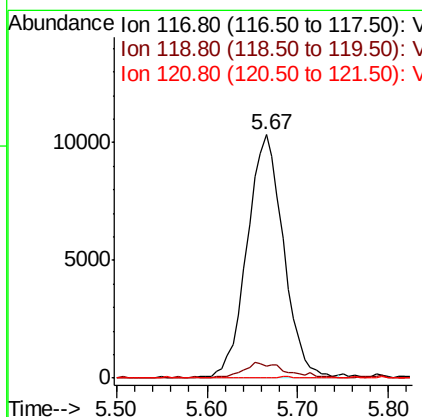
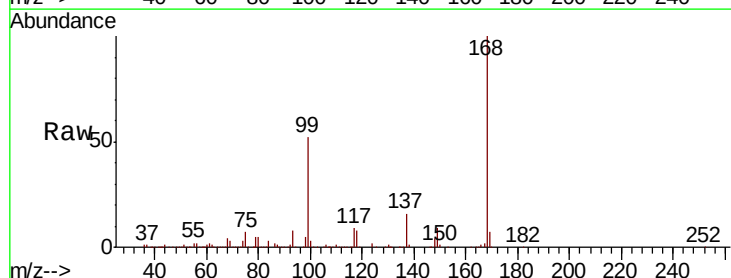
Instrument :
 MSVOA_X
 ClientSampled :

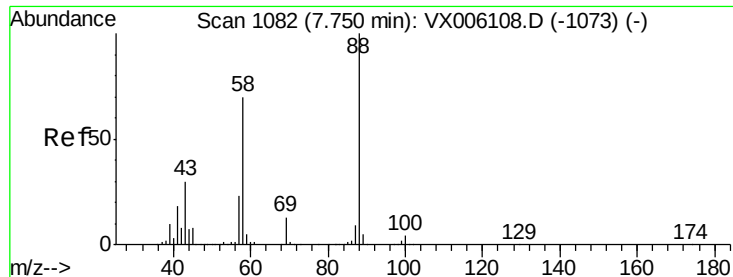
Tot Ion: 75 Resp: 22675
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.8 53.3#
 77 1.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.162 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006173.D
 Acq: 26 Nov 2018 14:18

Tgt Ion: 117 Resp: 28769
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.3 114.5#
 121 0.0 24.7 37.1#

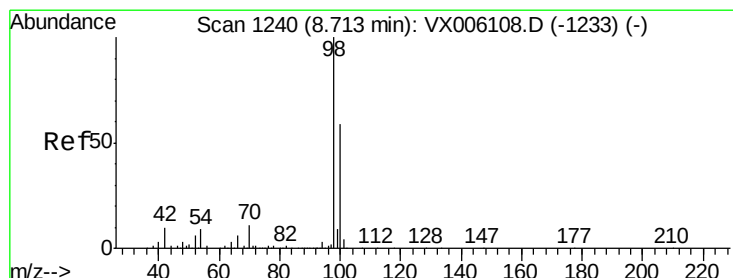
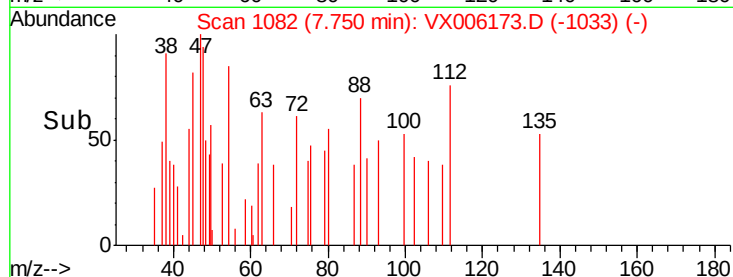
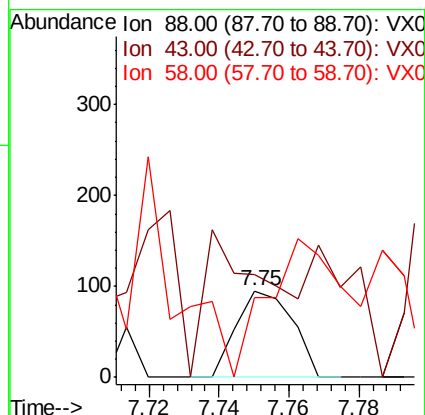
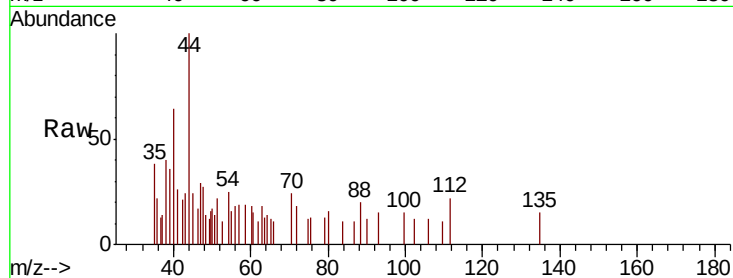




#49
1,4-Dioxane
Concen: 1.110 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006173.D
Acq: 26 Nov 2018 14:18

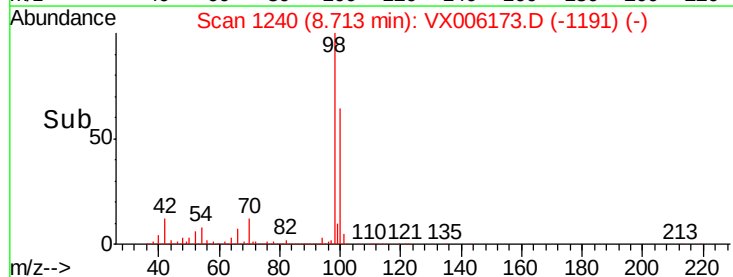
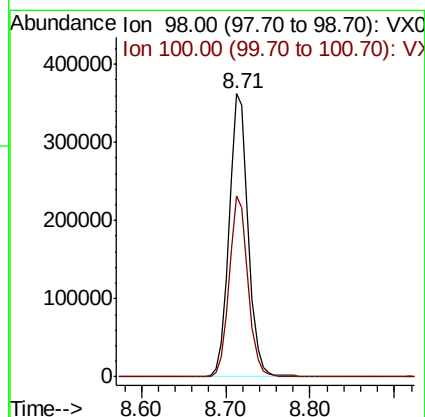
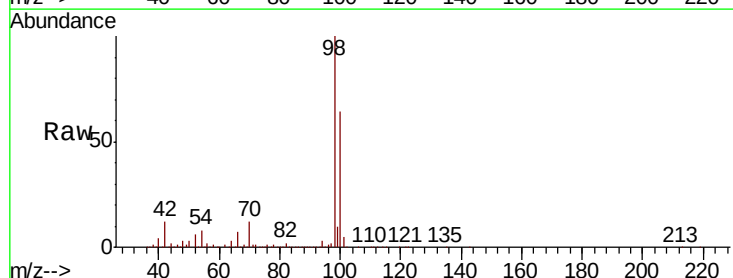
Instrument :
MSVOA_X
ClientSampled :

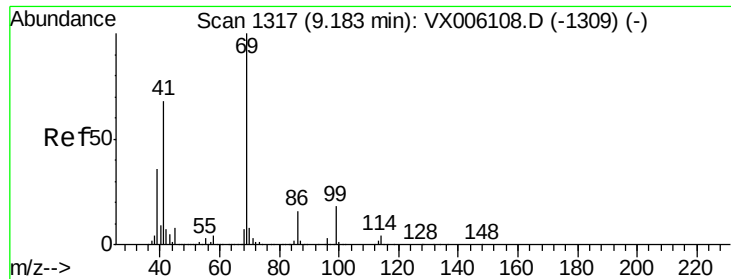
Tot Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 126.4 26.7 40.1#
58 220.8 58.5 87.7#



#50
Toluene-d8
Concen: 48.734 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006173.D
Acq: 26 Nov 2018 14:18

Tgt Ion: 98 Resp: 560478
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4





#56

Ethyl methacrylate

Concen: 2.906 ug/l

RT: 9.18 min Scan# 1317

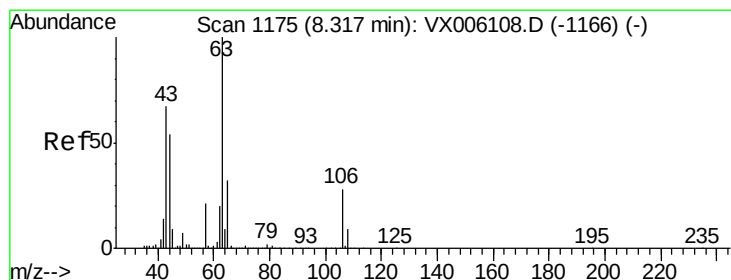
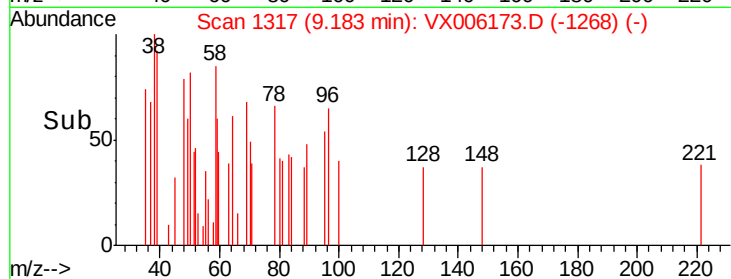
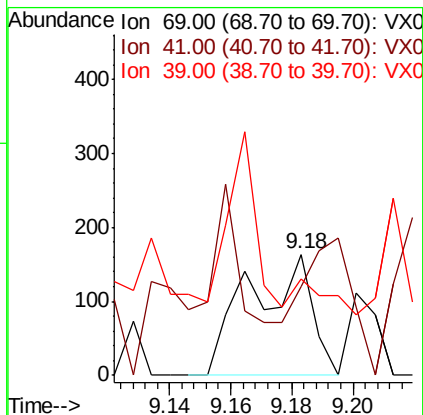
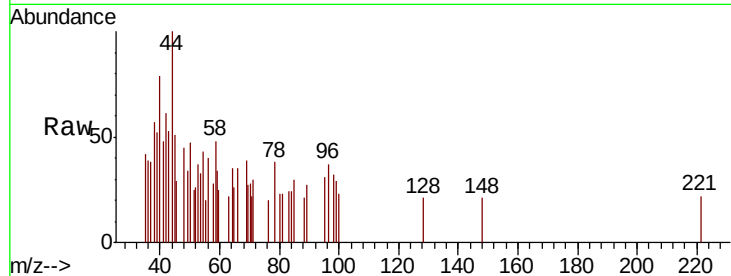
Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	226
Ion	Ratio	Lower	Upper
69	100		
41	0.0	56.2	84.4#
39	0.0	29.4	44.0#



#58

2-Chloroethyl Vinyl ether

Concen: 6.747 ug/l

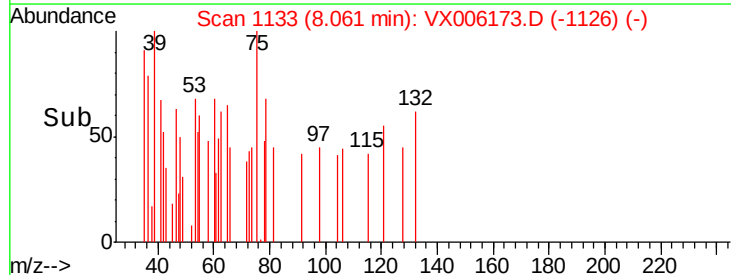
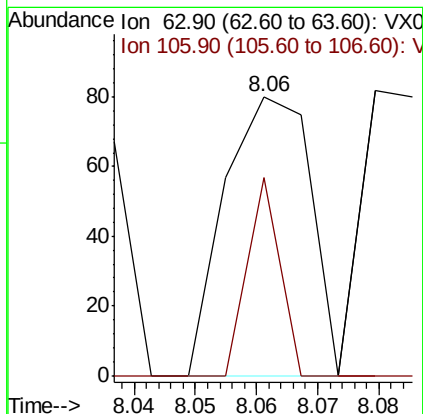
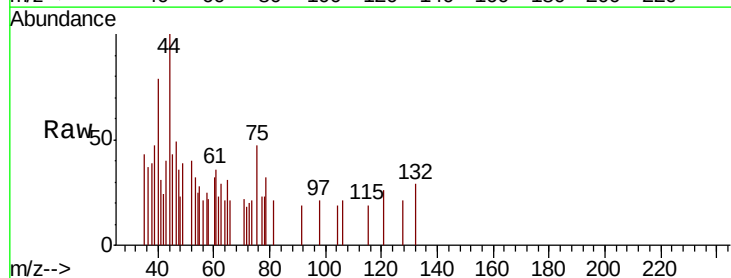
RT: 8.06 min Scan# 1133

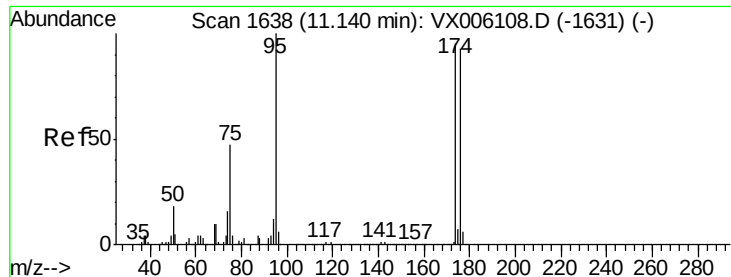
Delta R.T. -0.26 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Tgt Ion:	63	Resp:	78
Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





#62

4-Bromofluorobenzene

Concen: 42.942 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

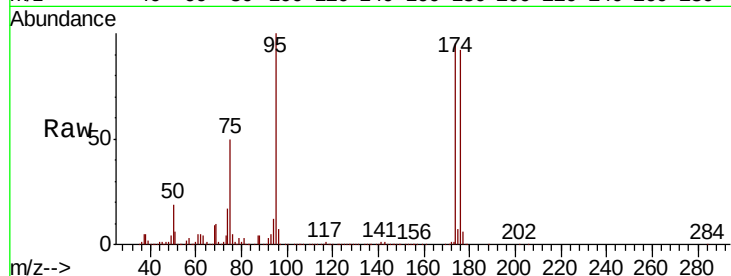
Tot Ion: 95 Resp: 185301

Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.4

176 90.0 0.0 179.0



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

200000

150000

100000

50000

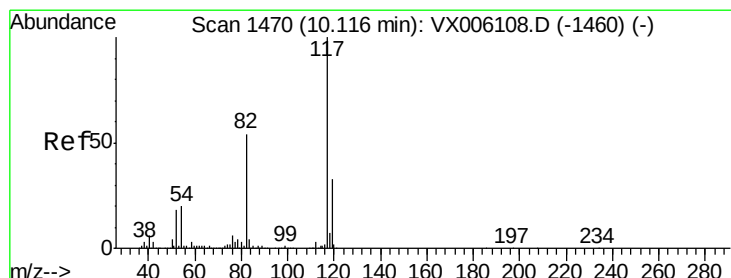
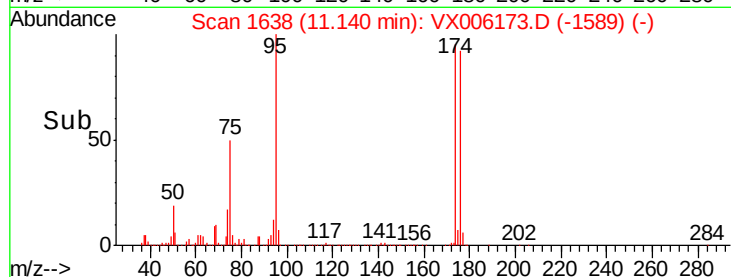
0

11.14

11.10

11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

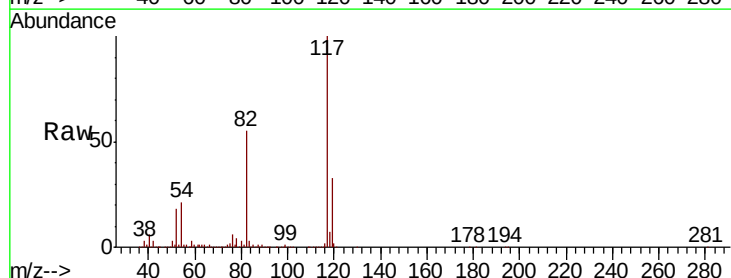
Tgt Ion: 117 Resp: 422702

Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.4

119 32.5 26.1 39.1



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

400000

300000

200000

100000

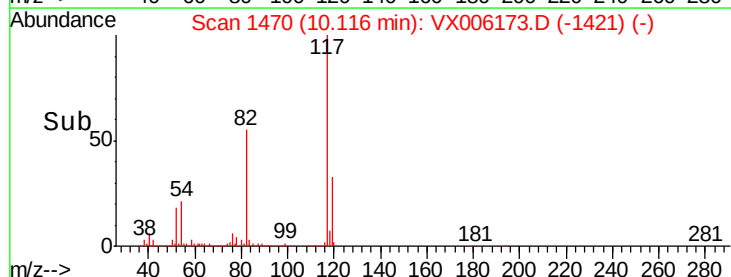
0

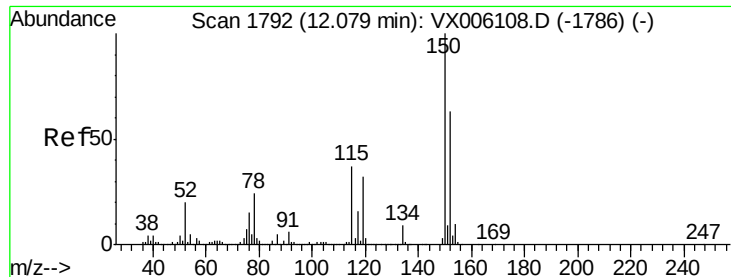
10.12

10.10

10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

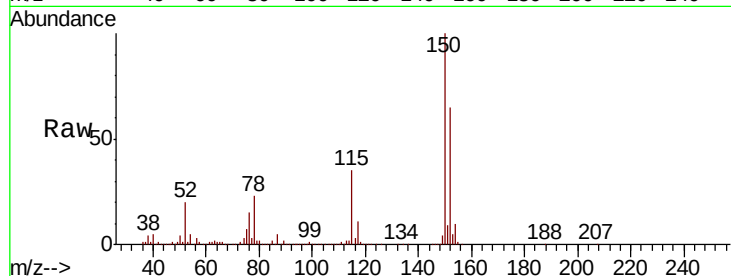
Tot Ion:152 Resp: 200013

Ion Ratio Lower Upper

152 100

115 54.5 39.0 116.9

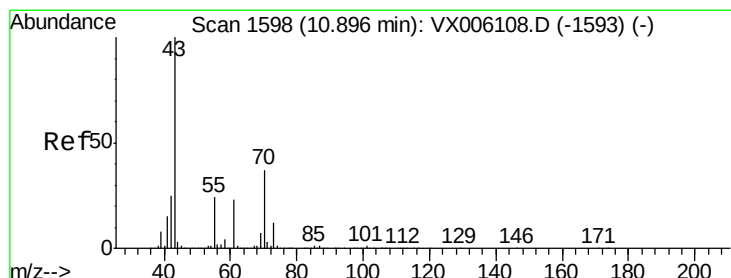
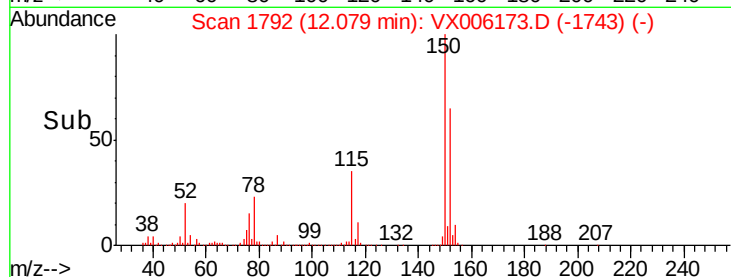
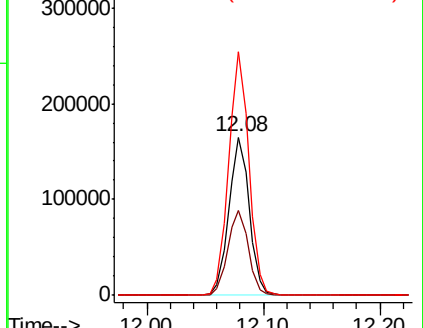
150 153.1 0.0 346.6



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



#74

N-ethyl acetate

Concen: 2.258 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Tgt Ion: 43 Resp: 420

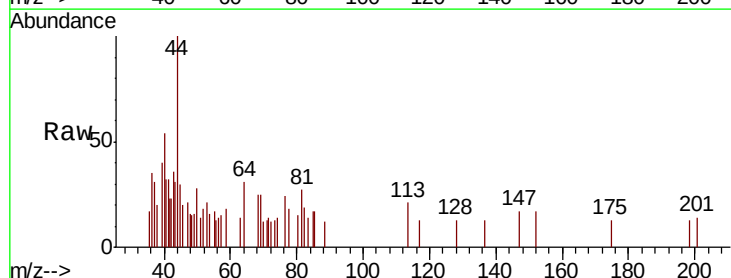
Ion Ratio Lower Upper

43 100

70 51.7 31.8 47.6#

55 34.0 19.5 29.3#

61 0.0 18.6 27.8#

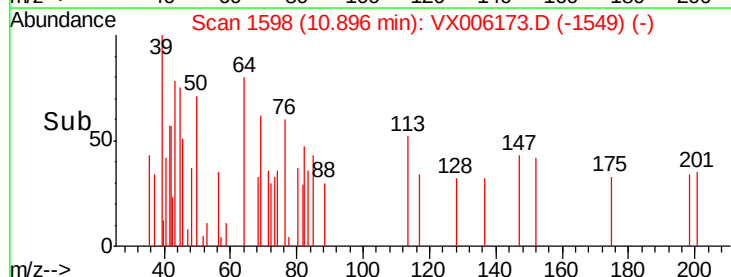
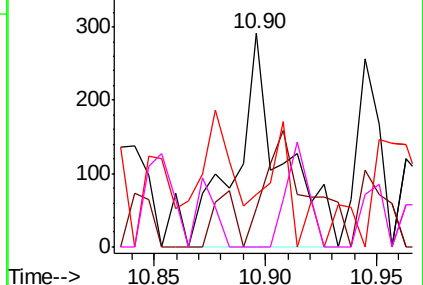


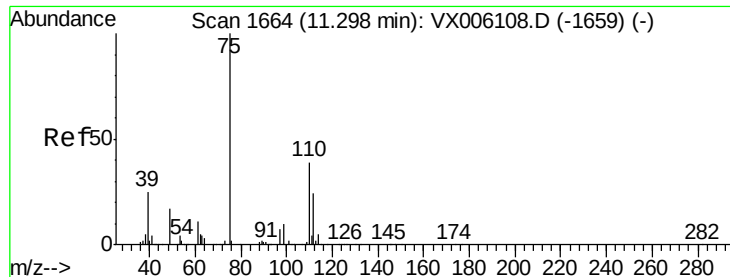
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.642 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

Instrument :

MSVOA_X

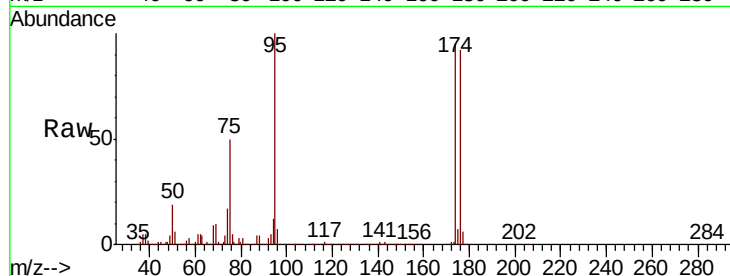
ClientSampled :

Tot Ion: 75 Resp: 93238

Ion Ratio Lower Upper

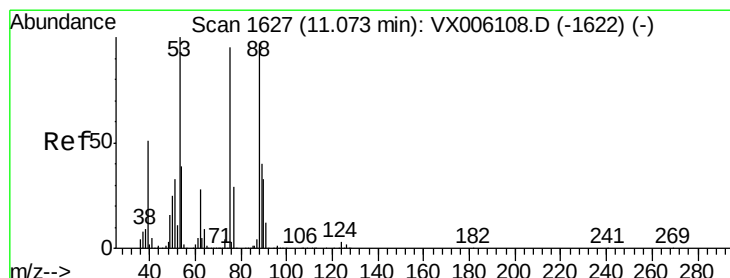
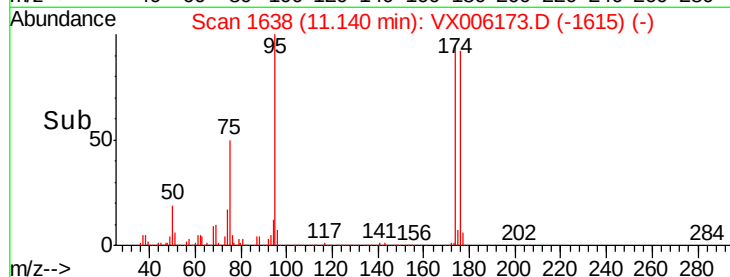
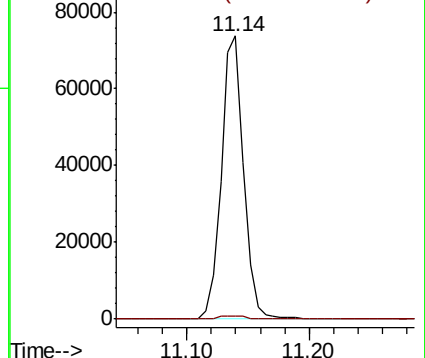
75 100

77 1.6 19.6 58.7#



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: 76.582 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006173.D

Acq: 26 Nov 2018 14:18

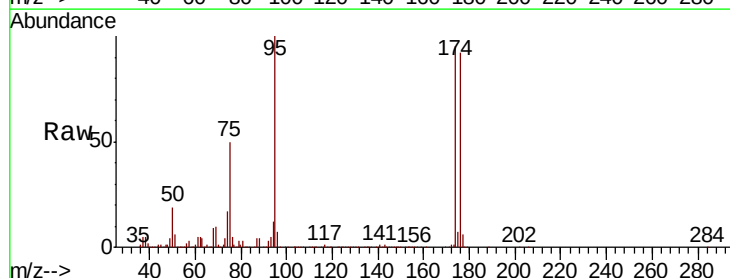
Tgt Ion: 75 Resp: 93238

Ion Ratio Lower Upper

75 100

53 0.3 85.3 127.9#

89 0.0 37.2 55.8#



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

