

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006170.D
 Acq On : 26 Nov 2018 12:58
 Operator : JC/MD
 Sample : J6031-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 02:26:38 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	326777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	492038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	453003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217785	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	206078	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
35) Dibromofluoromethane	5.50	113	165686	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
50) Toluene-d8	8.71	98	595103	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.14	95	198492	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	

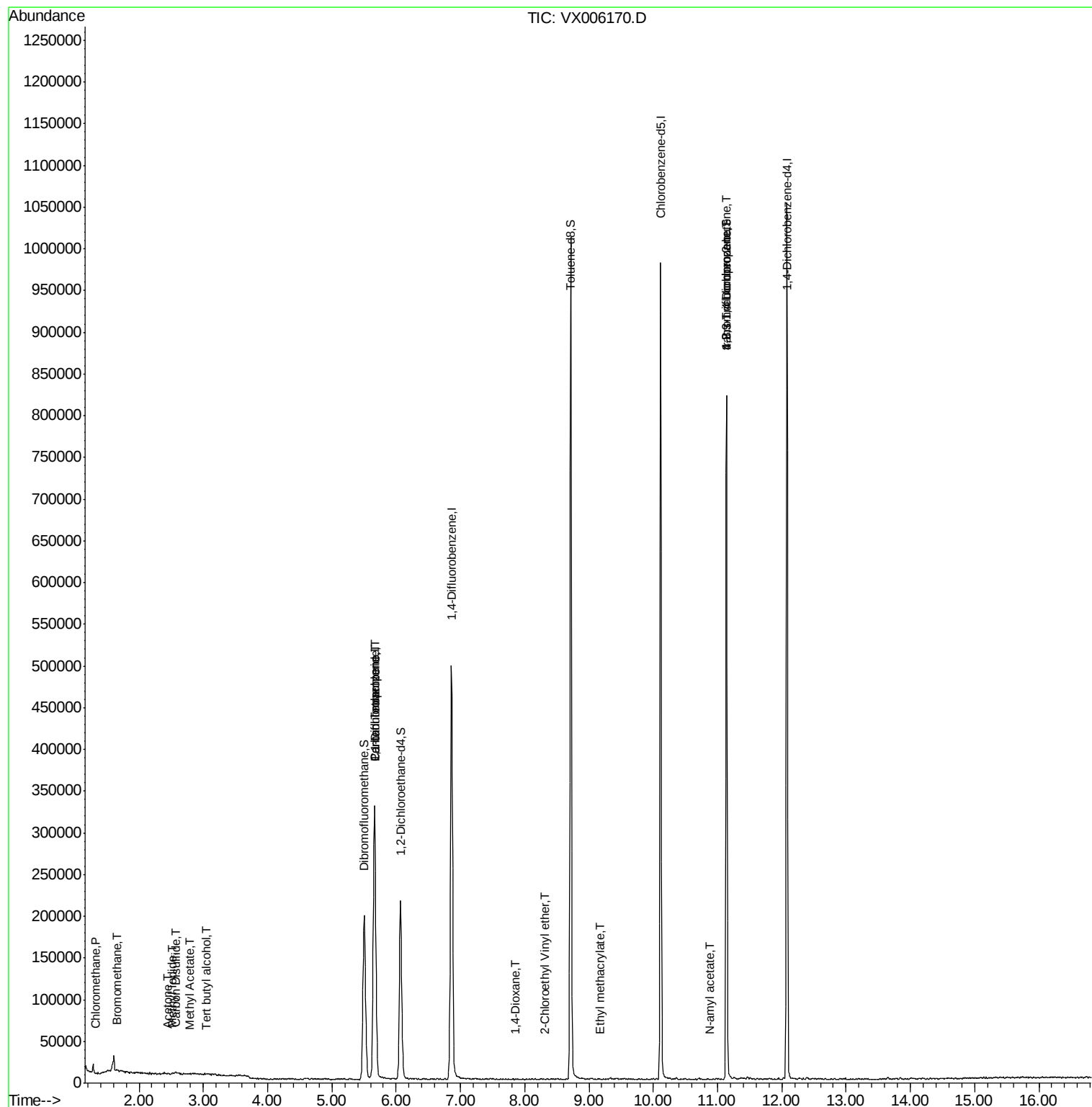
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	786	0.256	ug/l	97
5) Bromomethane	1.65	94	740	4.000	ug/l #	58
6) Chloroethane	1.59	64	711	Below Cal	#	78
10) Methyl Iodide	2.51	142	898	0.296	ug/l #	91
11) Tert butyl alcohol	3.04	59	777	0.965	ug/l #	78
16) Acetone	2.45	43	842	0.501	ug/l #	65
17) Carbon Disulfide	2.57	76	3106	0.488	ug/l #	94
18) Methyl Acetate	2.78	43	882	0.205	ug/l	97
20) Methylene Chloride	2.86	84	609	Below Cal	#	58
36) 1,1-Dichloropropene	5.66	75	23519	5.254	ug/l #	42
38) Carbon Tetrachloride	5.66	117	29374	6.981	ug/l #	18
49) 1,4-Dioxane	7.85	88	52	0.520	ug/l #	1
56) Ethyl methacrylate	9.16	69	42	2.873	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	172	6.776	ug/l #	84
74) N-amyl acetate	10.88	43	222	2.224	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	100431	22.399	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	100431	75.758	ug/l #	8

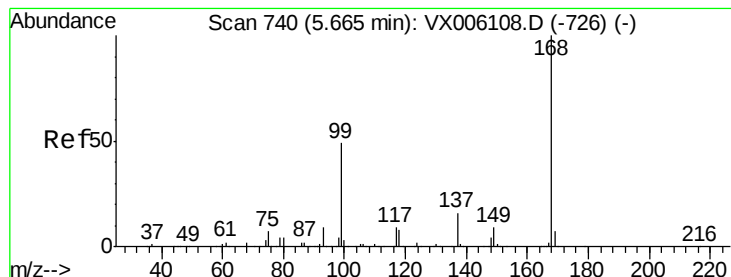
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

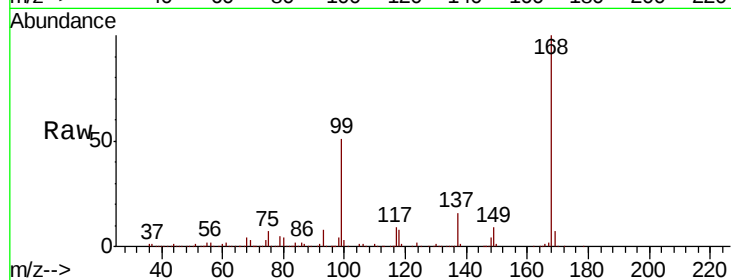
ClientSampled :

Tot Ion:168 Resp: 326777

Ion Ratio Lower Upper

168 100

99 50.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

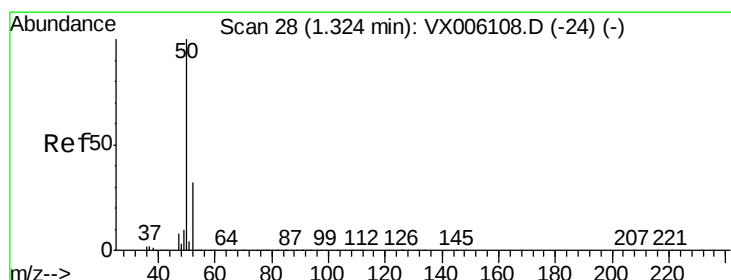
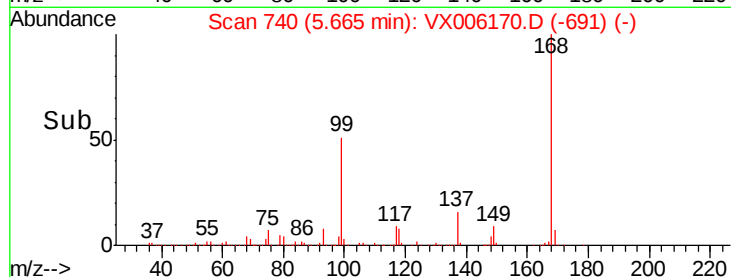
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.256 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006170.D

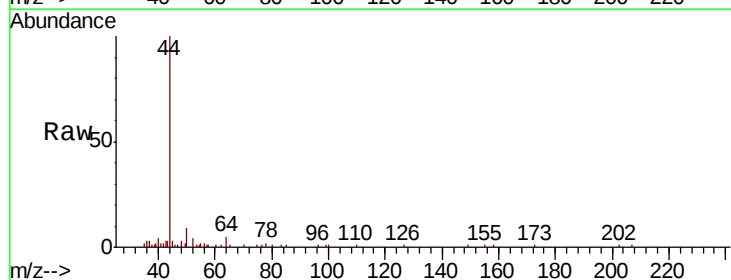
Acq: 26 Nov 2018 12:58

Tgt Ion: 50 Resp: 786

Ion Ratio Lower Upper

50 100

52 33.5 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

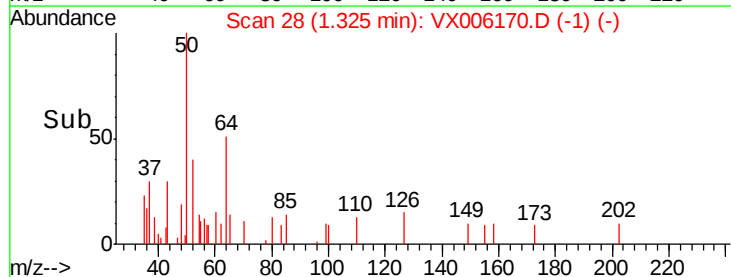
600

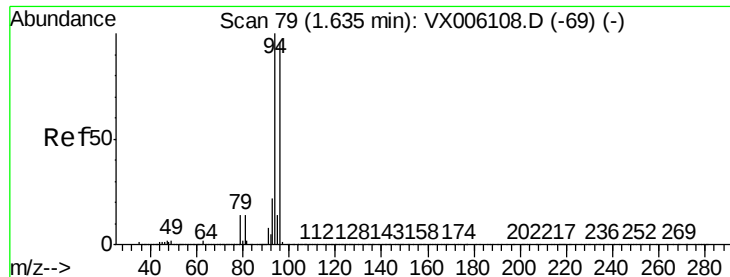
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 4.000 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

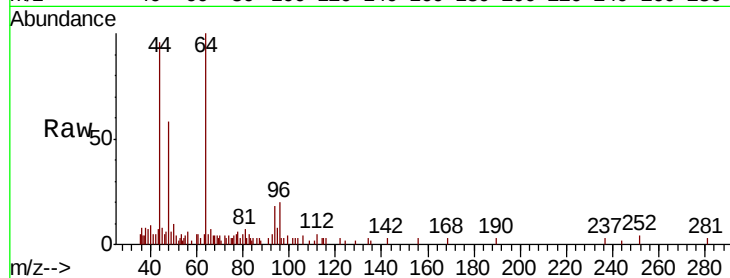
ClientSampled :

Tot Ion: 94 Resp: 740

Ion Ratio Lower Upper

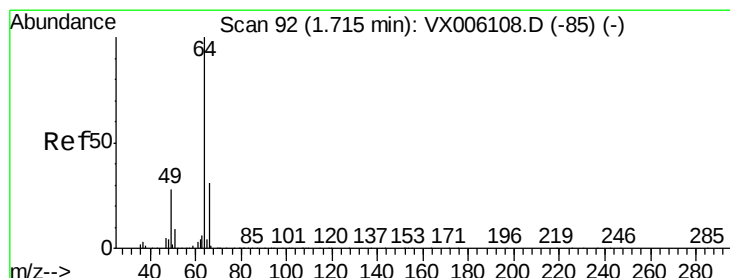
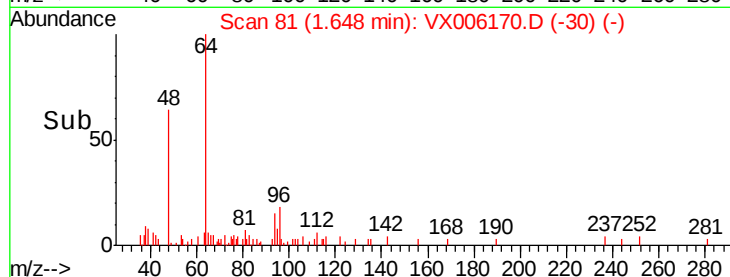
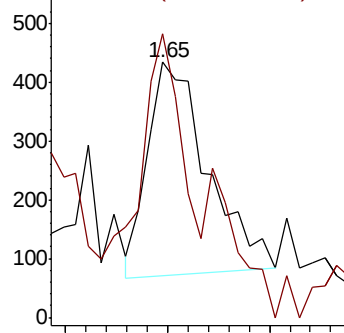
94 100

96 137.3 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX006170.D

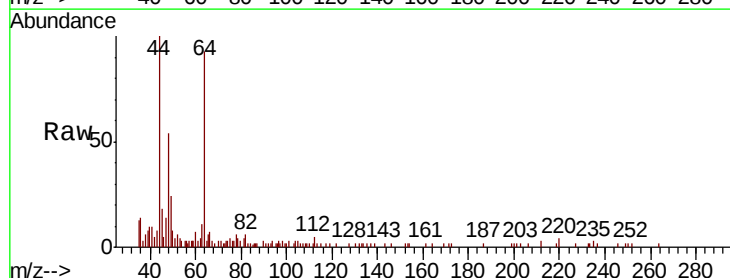
Acq: 26 Nov 2018 12:58

Tgt Ion: 64 Resp: 711

Ion Ratio Lower Upper

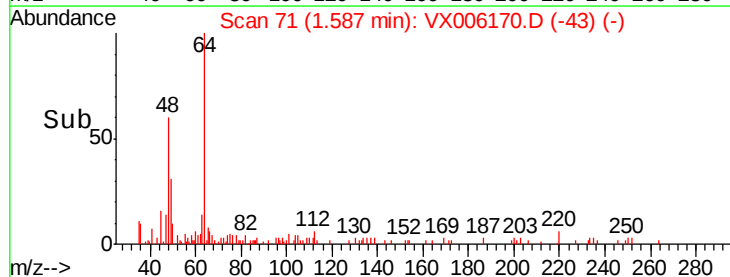
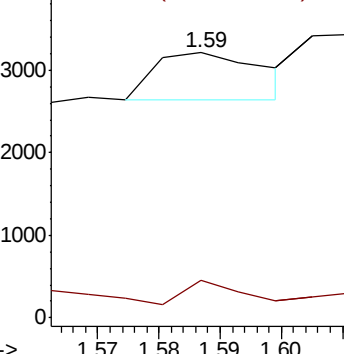
64 100

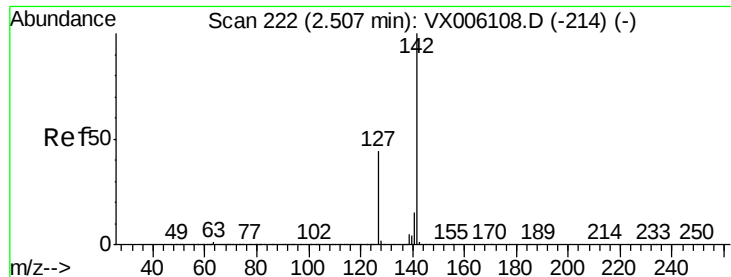
66 43.6 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

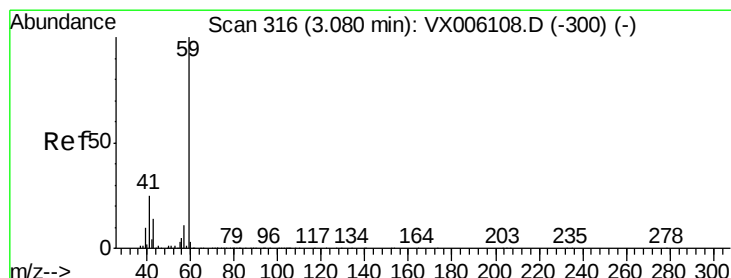
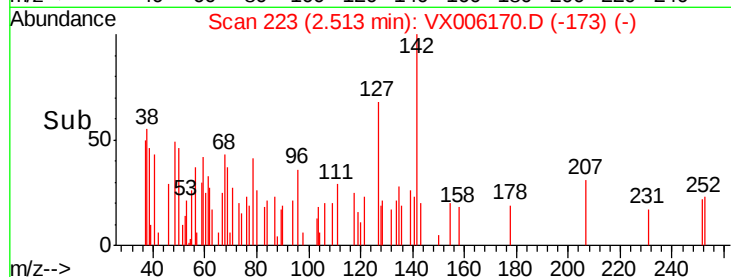
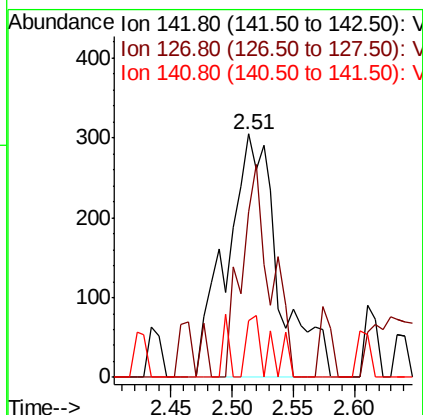
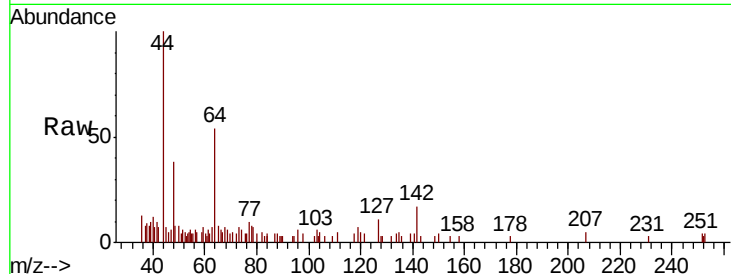




#10
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX006170.D
Acq: 26 Nov 2018 12:58

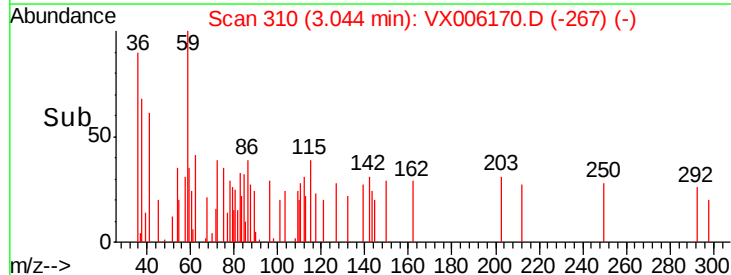
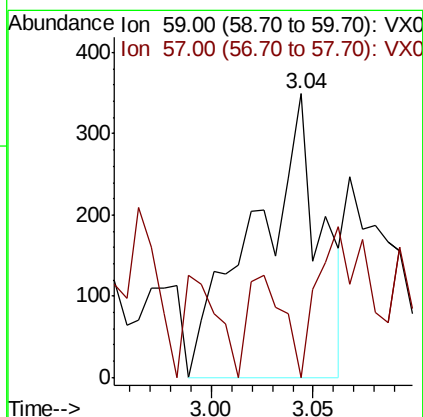
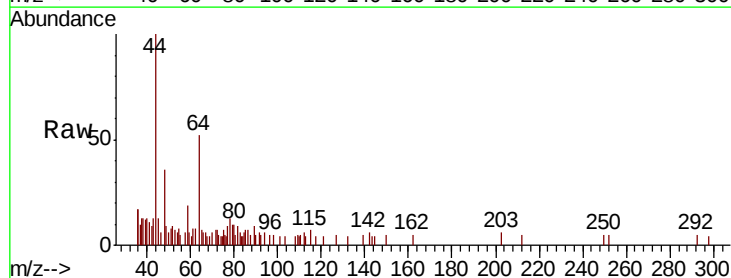
Instrument :
MSVOA_X
ClientSampleId :

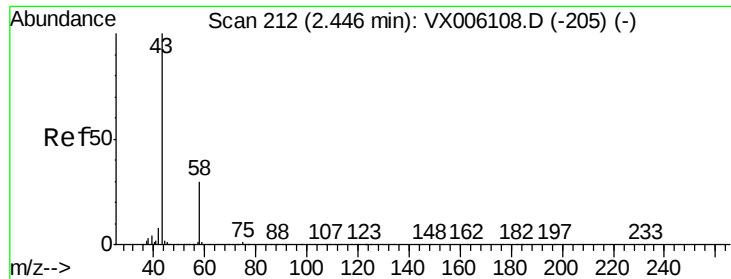
Tot Ion:142 Resp: 898
Ion Ratio Lower Upper
142 100
127 48.6 36.0 54.0
141 6.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.965 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.04 min
Lab File: VX006170.D
Acq: 26 Nov 2018 12:58

Tgt Ion: 59 Resp: 777
Ion Ratio Lower Upper
59 100
57 19.2 8.7 13.1#





#16

Acetone

Concen: 0.501 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

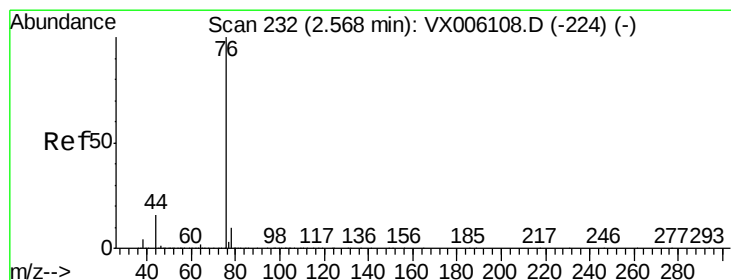
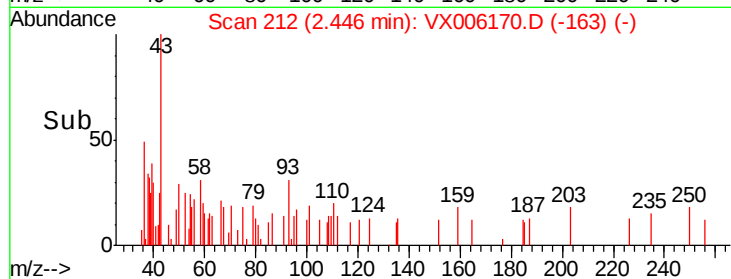
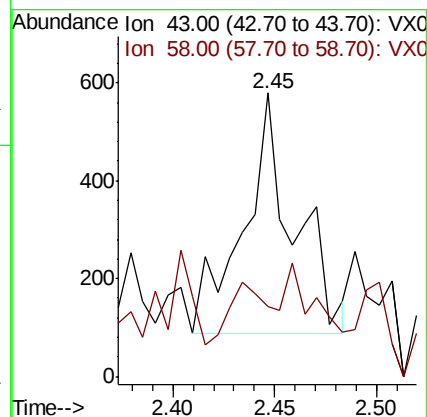
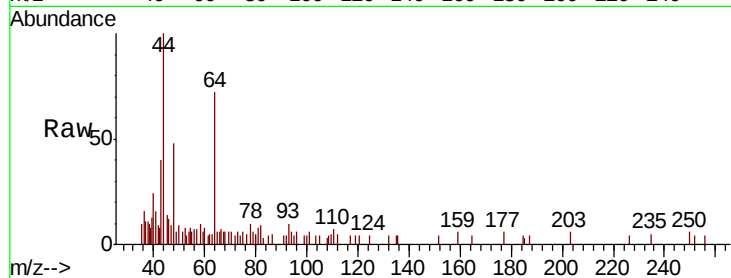
ClientSampleId :

Tot Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

58 10.8 23.8 35.8#



#17

Carbon Disulfide

Concen: 0.488 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006170.D

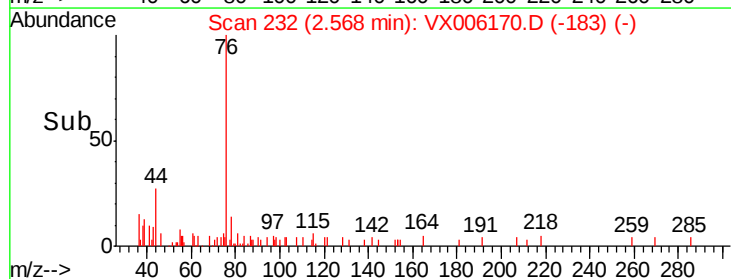
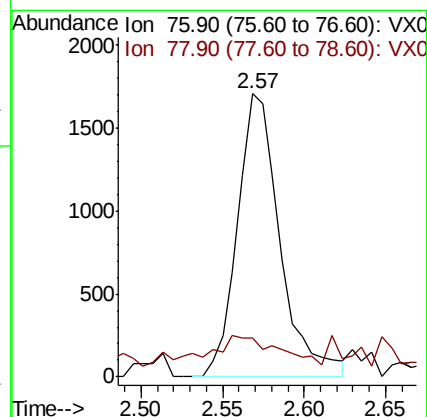
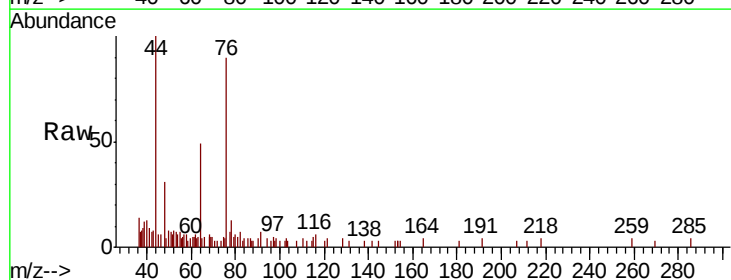
Acq: 26 Nov 2018 12:58

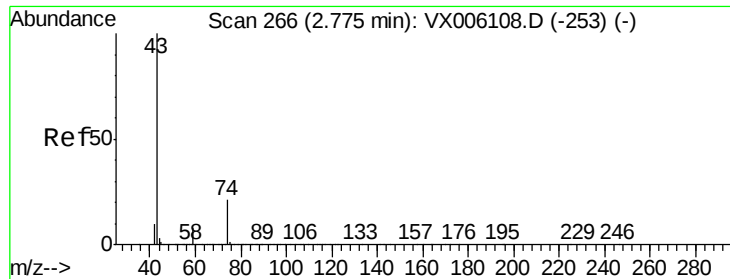
Tgt Ion: 76 Resp: 3106

Ion Ratio Lower Upper

76 100

78 7.3 7.7 11.5#

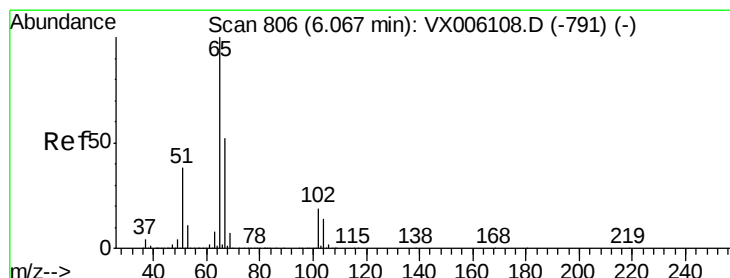
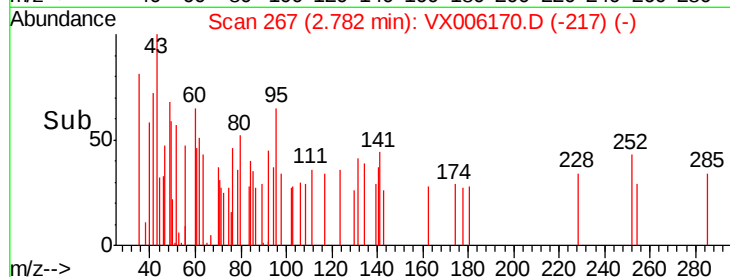
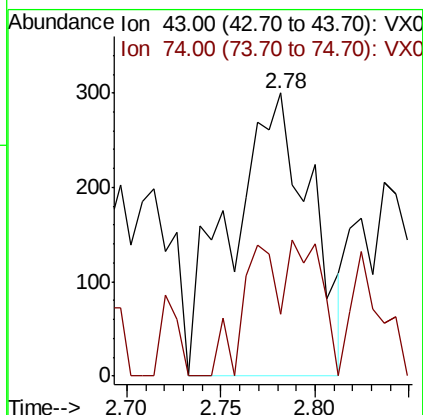
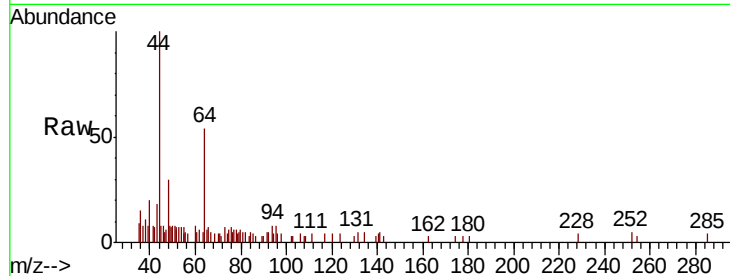




#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006170.D
Acq: 26 Nov 2018 12:58

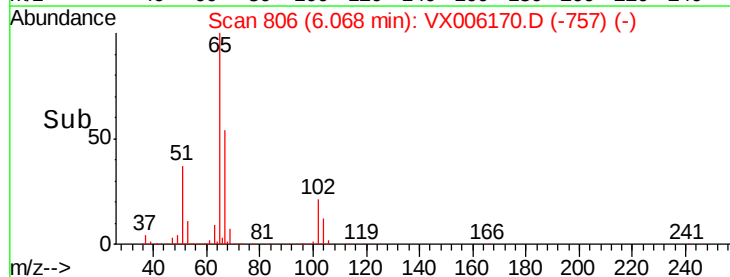
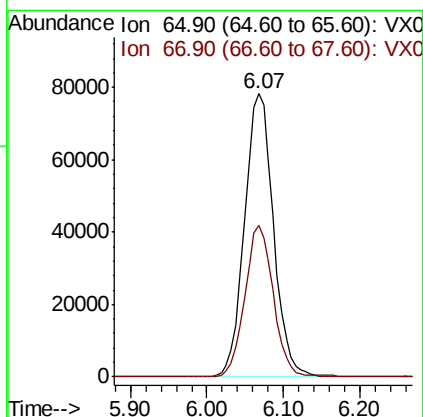
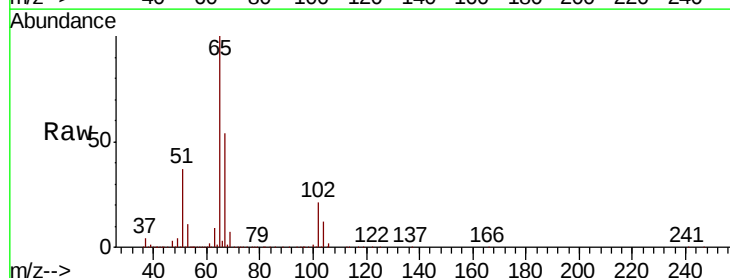
Instrument :
MSVOA_X
ClientSampled :

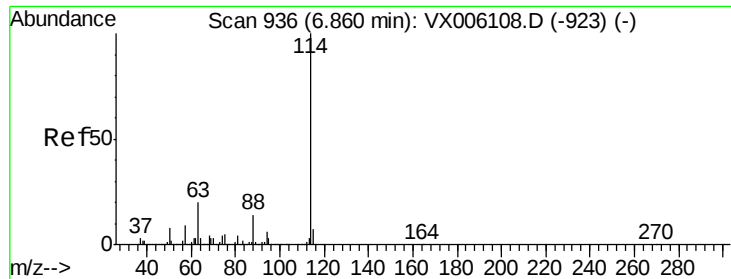
Tot Ion: 43 Resp: 882
Ion Ratio Lower Upper
43 100
74 20.2 17.3 25.9



#33
1,2-Dichloroethane-d4
Concen: 54.424 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006170.D
Acq: 26 Nov 2018 12:58

Tgt Ion: 65 Resp: 206078
Ion Ratio Lower Upper
65 100
67 52.1 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: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

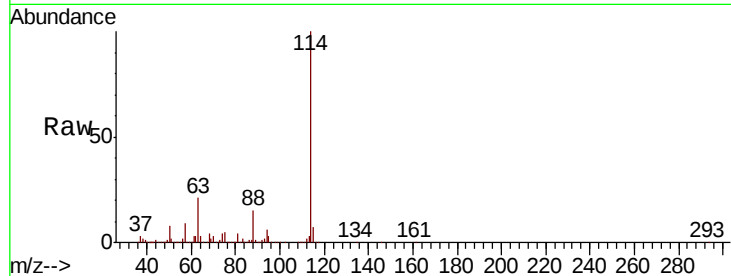
Tot Ion:114 Resp: 492038

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.2

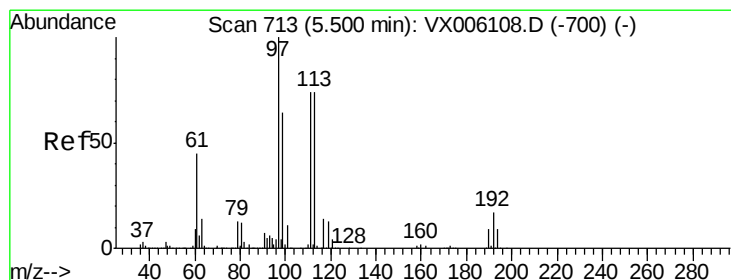
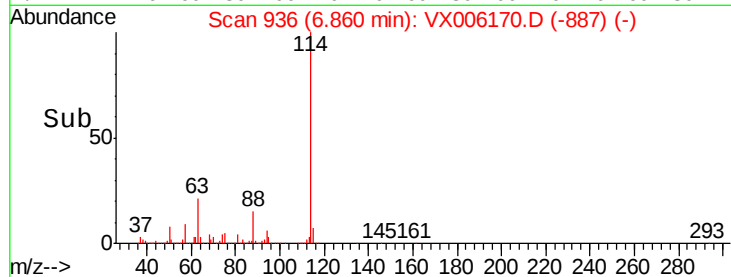
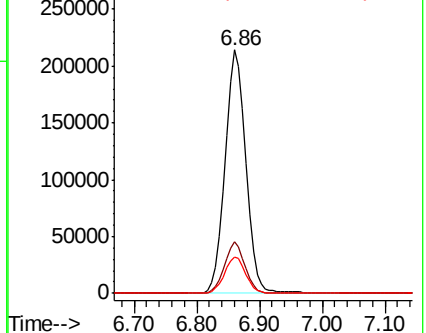
88 15.1 0.0 28.6



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: 52.457 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

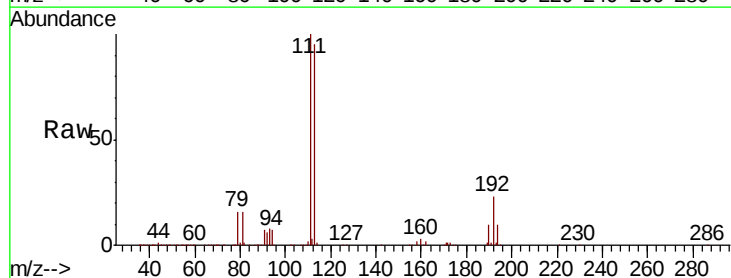
Tgt Ion:113 Resp: 165686

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

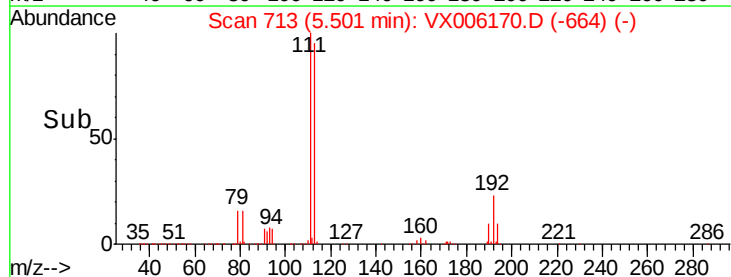
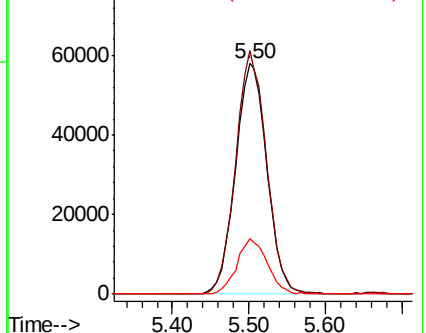
192 23.2 18.6 28.0

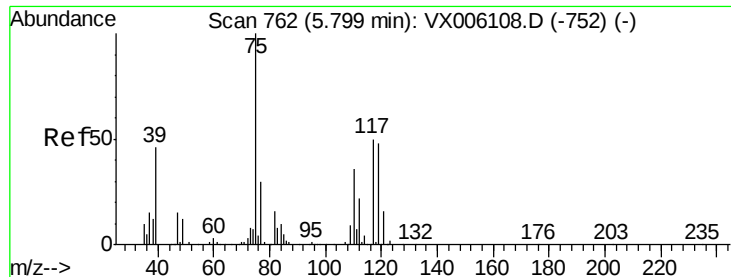


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.254 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampled :

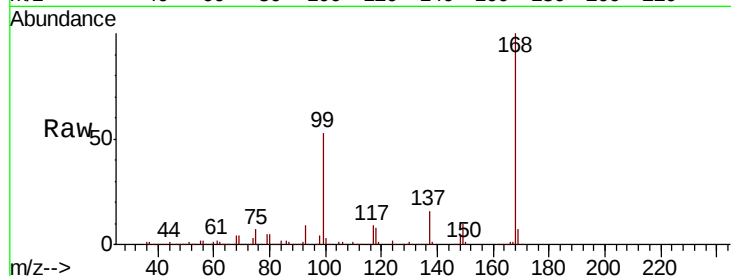
Tot Ion: 75 Resp: 23519

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

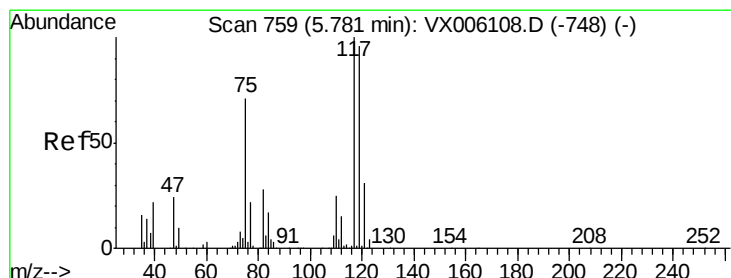
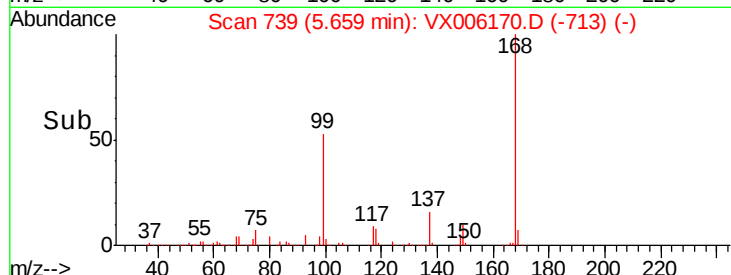
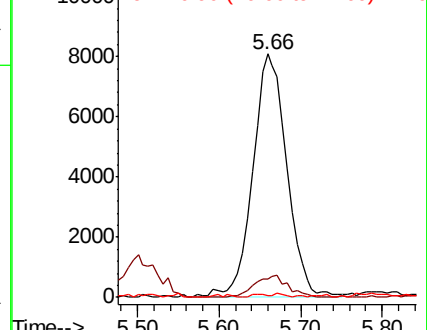
77 0.5 24.5 36.7#



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: 6.981 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

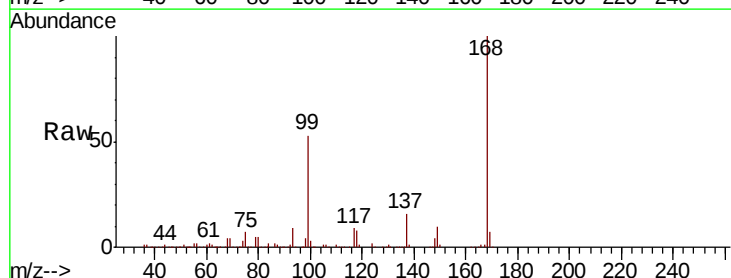
Tgt Ion:117 Resp: 29374

Ion Ratio Lower Upper

117 100

119 7.2 76.3 114.5#

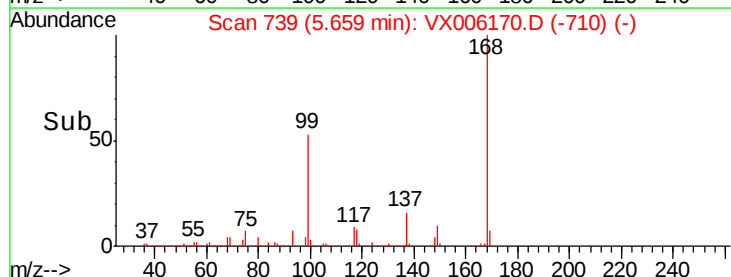
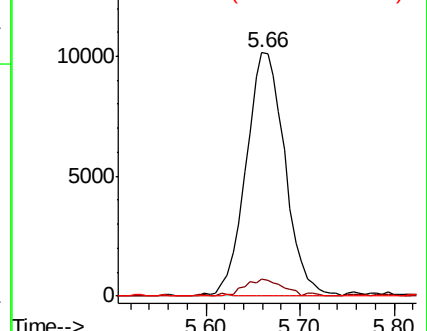
121 0.0 24.7 37.1#

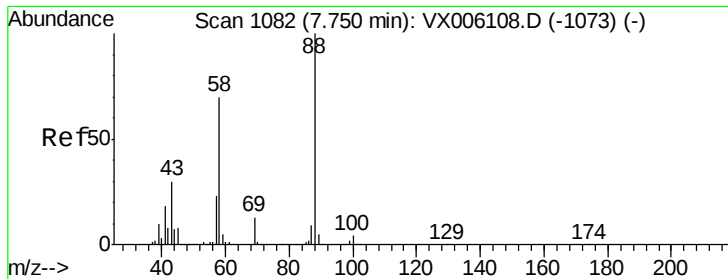


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.520 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. 0.10 min

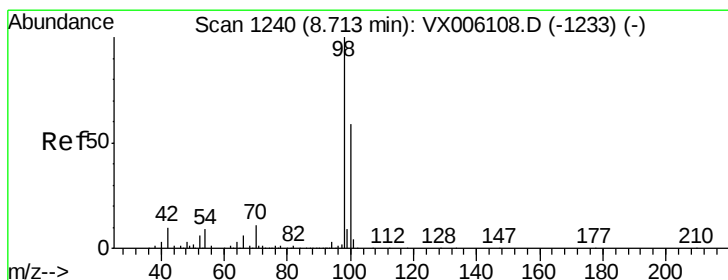
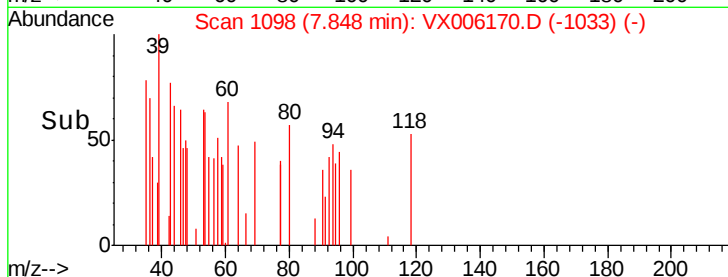
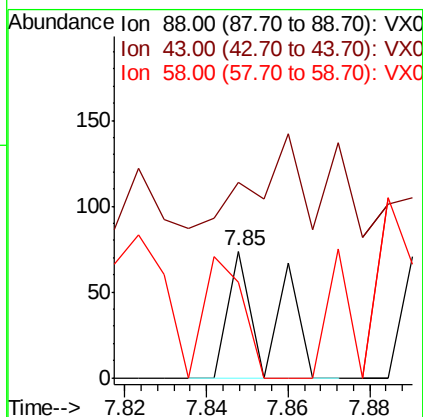
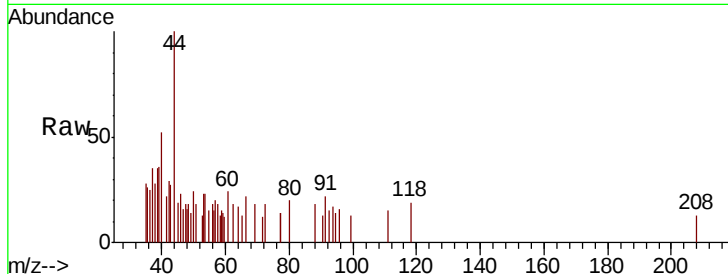
Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 52

Ion	Ratio	Lower	Upper
88	100		
43	613.5	26.7	40.1#
58	88.5	58.5	87.7#



#50

Toluene-d8

Concen: 49.398 ug/l

RT: 8.71 min Scan# 1240

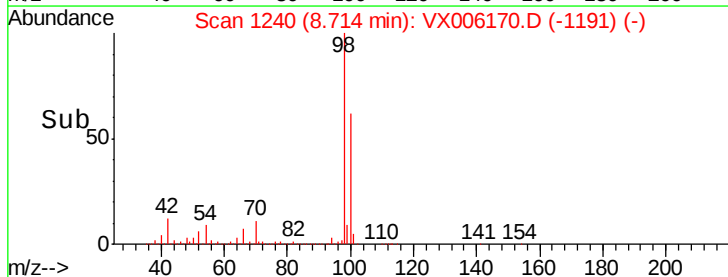
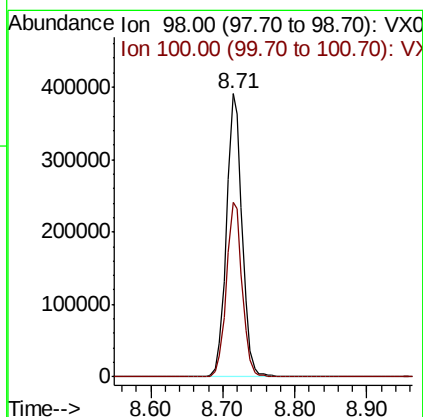
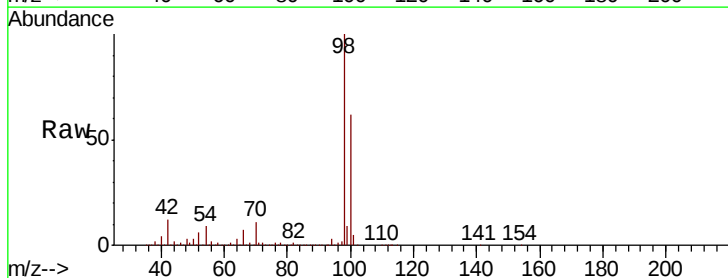
Delta R.T. 0.00 min

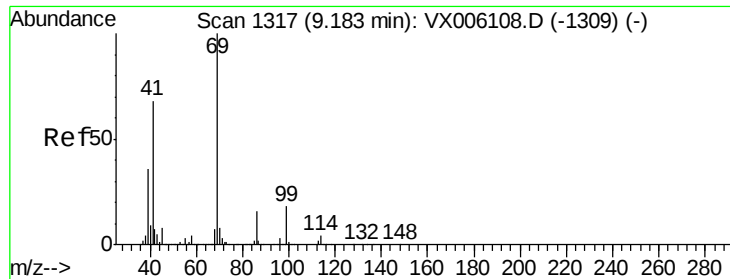
Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Tgt Ion: 98 Resp: 595103

Ion	Ratio	Lower	Upper
98	100		
100	62.3	51.0	76.4





#56

Ethyl methacrylate

Concen: 2.873 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :
MSVOA_X
ClientSampled :

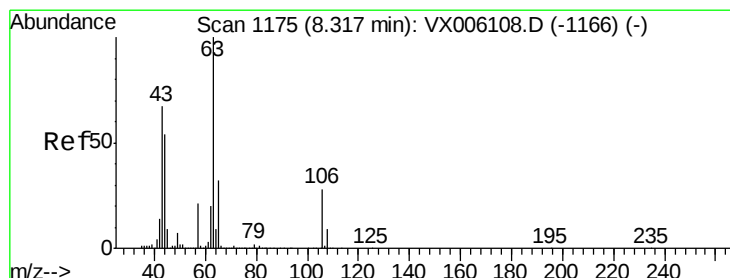
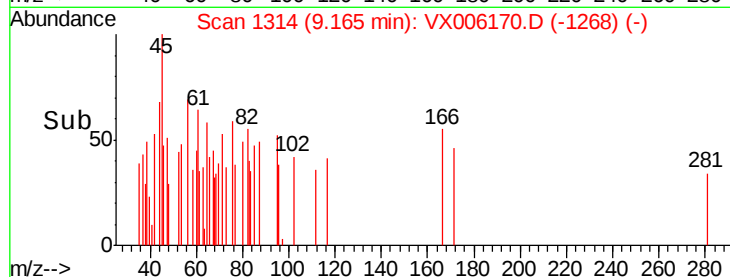
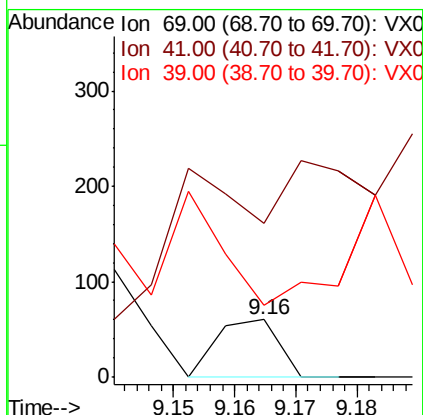
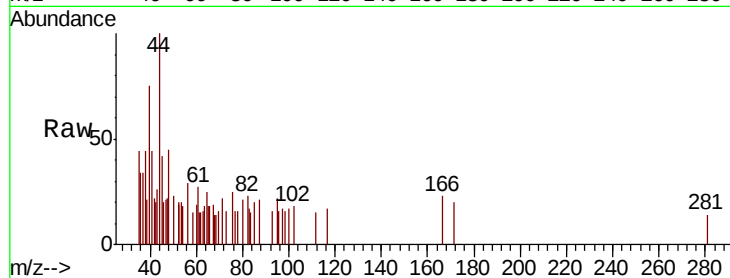
Tot Ion: 69 Resp: 42

Ion Ratio Lower Upper

69 100

41 428.6 56.2 84.4#

39 304.8 29.4 44.0#



#58

2-Chloroethyl Vinyl ether

Concen: 6.776 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX006170.D

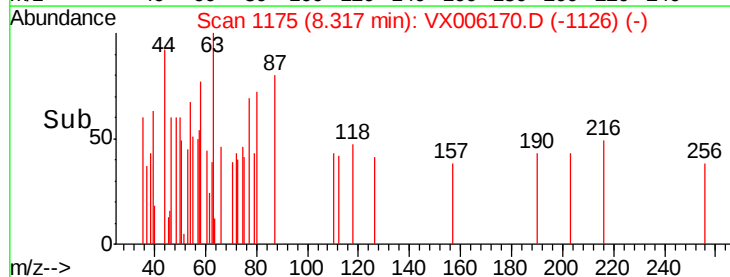
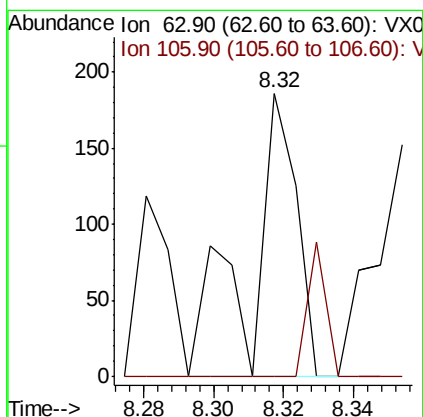
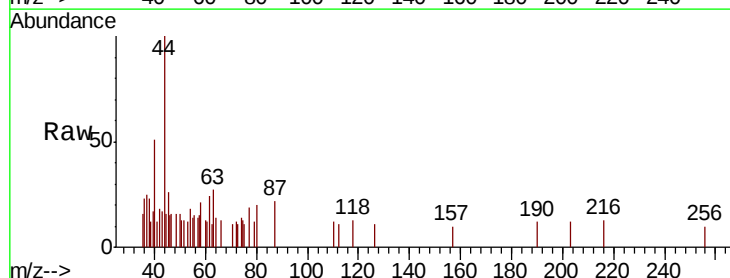
Acq: 26 Nov 2018 12:58

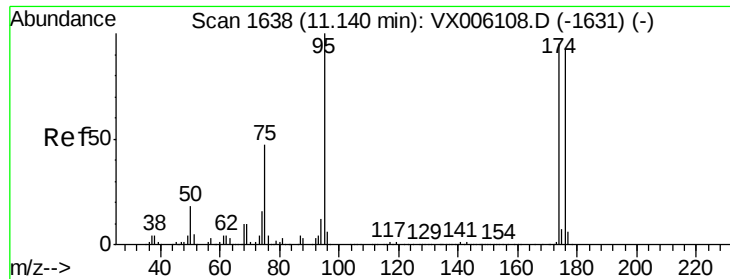
Tgt Ion: 63 Resp: 172

Ion Ratio Lower Upper

63 100

106 18.6 21.7 32.5#





#62

4-Bromofluorobenzene

Concen: 43.914 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

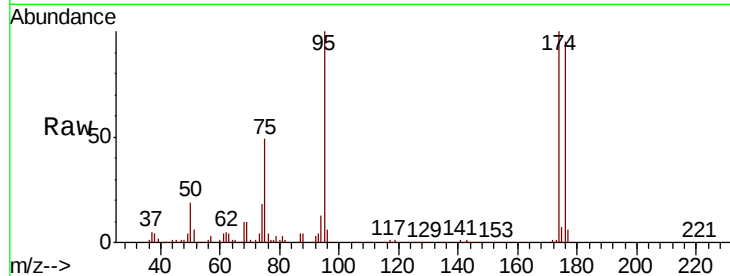
Tot Ion: 95 Resp: 198492

Ion Ratio Lower Upper

95 100

174 93.3 0.0 184.4

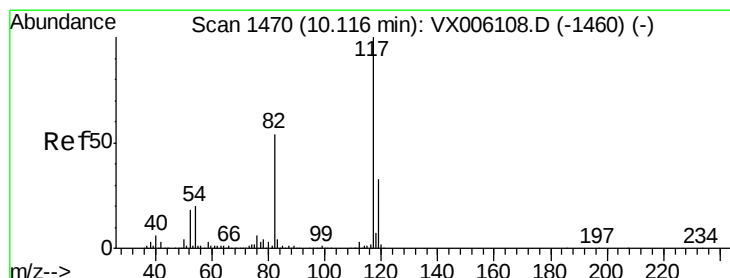
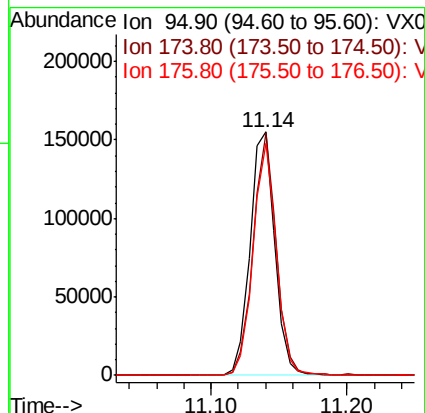
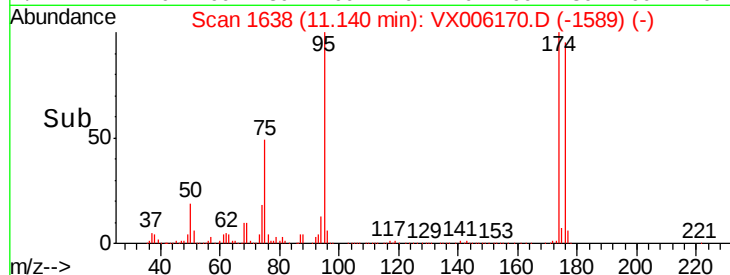
176 90.1 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX006170.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006170.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006170.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

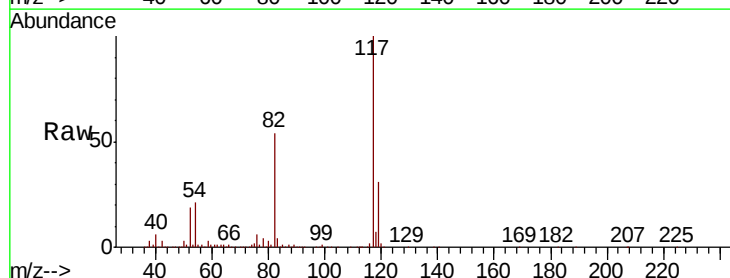
Tgt Ion: 117 Resp: 453003

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.4

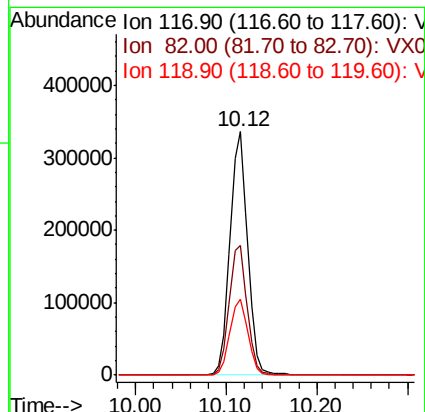
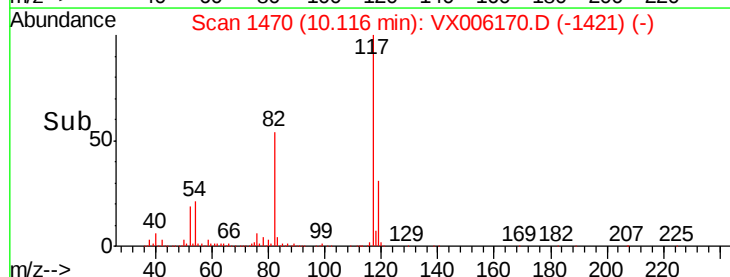
119 31.2 26.1 39.1

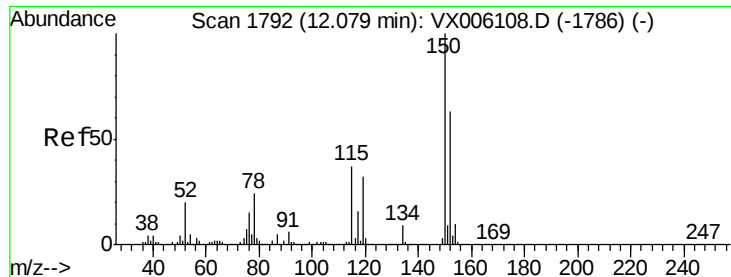


Abundance Ion 116.90 (116.60 to 117.60): VX006170.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006170.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006170.D (-1421) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

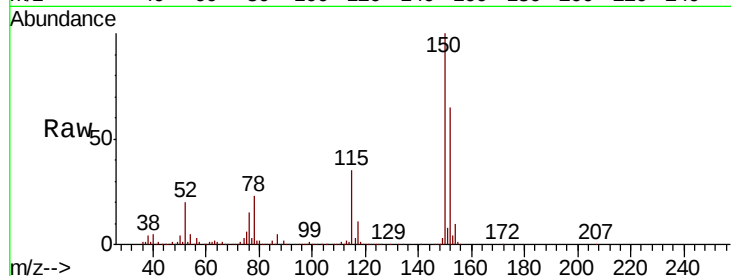
Tot Ion:152 Resp: 217785

Ion Ratio Lower Upper

152 100

115 54.9 39.0 116.9

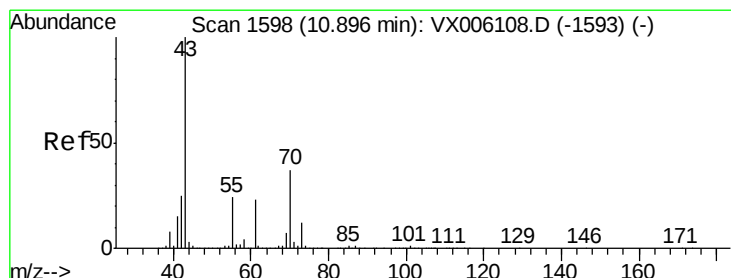
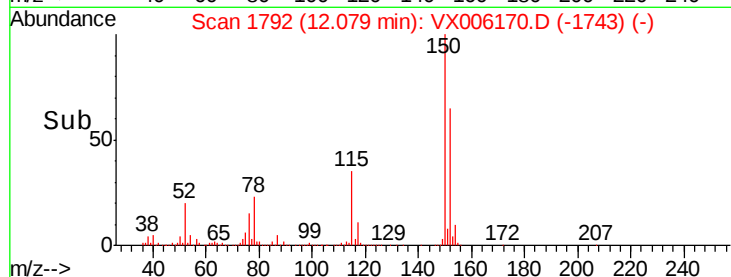
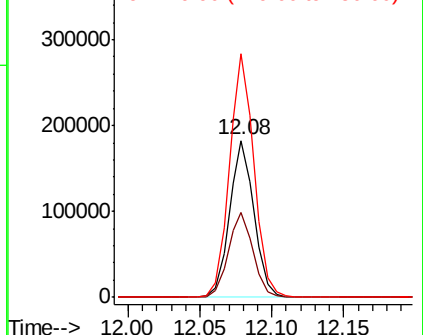
150 155.5 0.0 346.6



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: 2.224 ug/l

RT: 10.88 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Tgt Ion: 43 Resp: 222

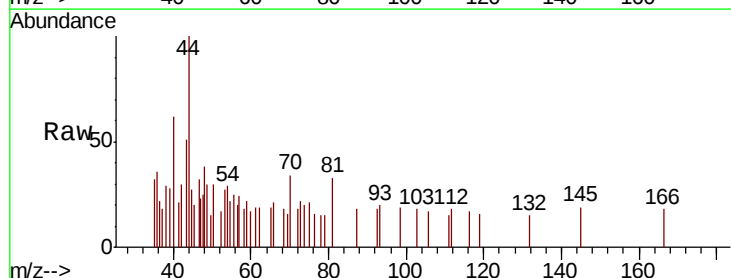
Ion Ratio Lower Upper

43 100

70 87.8 31.8 47.6#

55 69.4 19.5 29.3#

61 0.0 18.6 27.8#

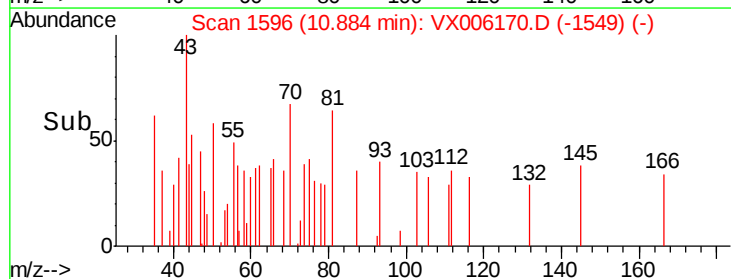
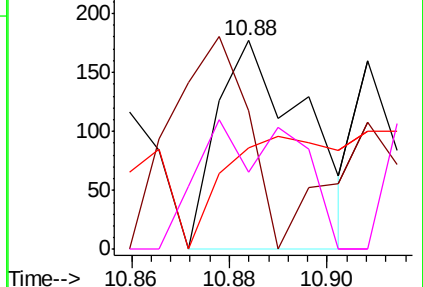


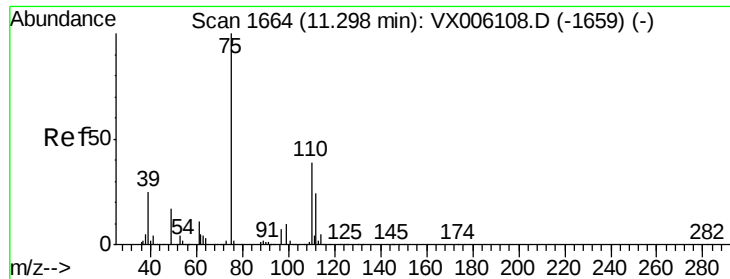
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.399 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Instrument :

MSVOA_X

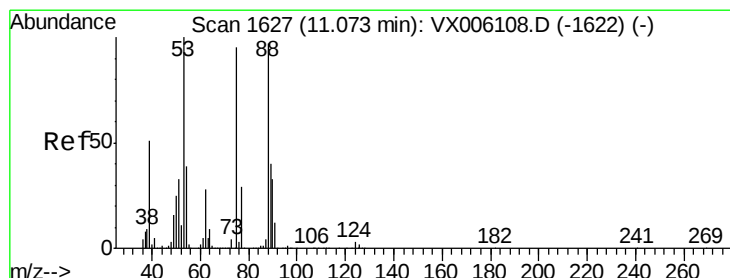
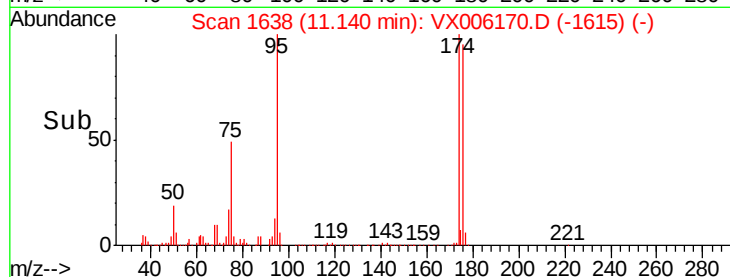
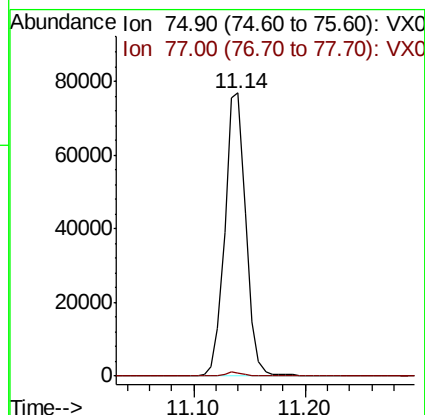
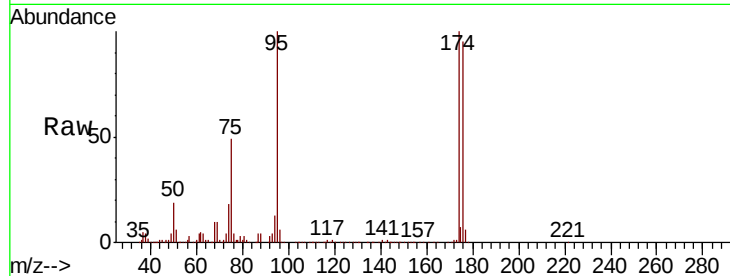
ClientSampled :

Tot Ion: 75 Resp: 100431

Ion Ratio Lower Upper

75 100

77 1.3 19.6 58.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.758 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006170.D

Acq: 26 Nov 2018 12:58

Tgt Ion: 75 Resp: 100431

Ion Ratio Lower Upper

75 100

53 0.5 85.3 127.9#

89 0.1 37.2 55.8#

