

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004828.D
 Acq On : 28 Sep 2018 18:19
 Operator : JC/MD
 Sample : J5085-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-713

Quant Time: Sep 29 06:28:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206948	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	176762	55.03	ug/l	0.00
Spiked Amount			Recovery	=	110.06%	
35) Dibromofluoromethane	5.50	113	148485	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	8.72	98	535764	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	11.14	95	196965	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

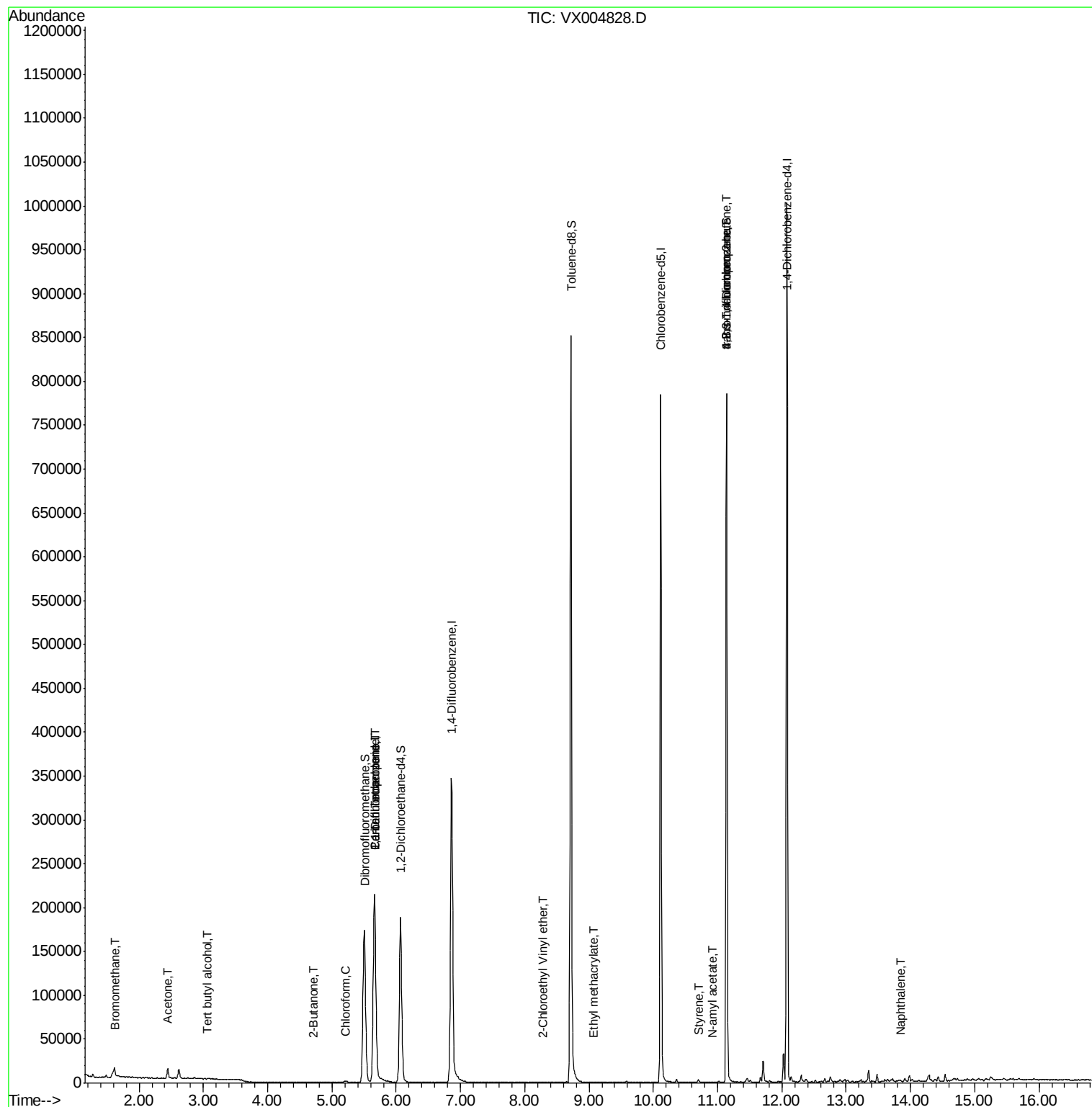
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	515	0.249	ug/l #	56
11) Tert butyl alcohol	3.07	59	1090	1.214	ug/l #	56
16) Acetone	2.45	43	11699	6.238	ug/l	95
20) Methylene Chloride	2.85	84	439	Below Cal	#	63
25) 2-Butanone	4.71	43	934	0.338	ug/l #	47
30) Chloroform	5.21	83	1662	0.329	ug/l	85
36) 1,1-Dichloropropene	5.67	75	15512	3.641	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20221	4.515	ug/l #	16
56) Ethyl methacrylate	9.07	69	21	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.28	63	29	14.252	ug/l #	45
70) Styrene	10.71	104	259	2.165	ug/l #	48
74) N-amyl acetate	10.91	43	222	1.778	ug/l #	50
76) 1,2,3-Trichloropropane	11.14	75	97845	21.094	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	806	Below Cal		94
81) trans-1,4-Dichloro-2-buten	11.14	75	97845	57.233	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	632	Below Cal		82
95) Naphthalene	13.83	128	995	0.776	ug/l #	91

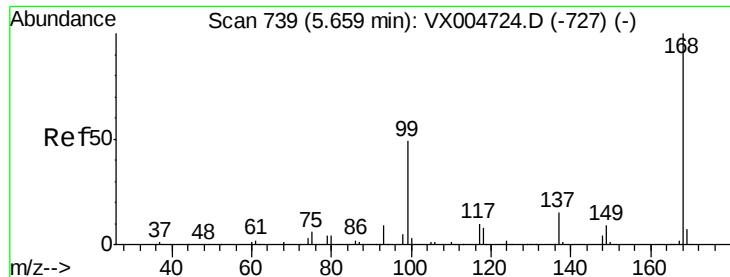
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

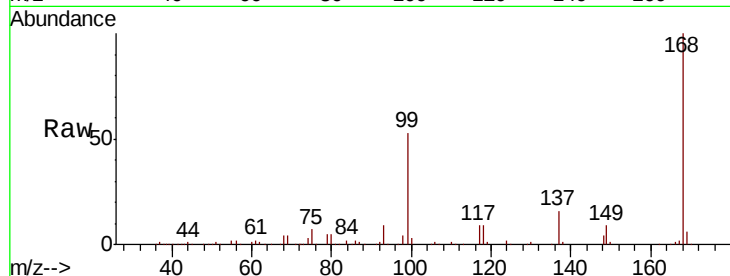
MH-713

Tot Ion:168 Resp: 224874

Ion Ratio Lower Upper

168 100

99 52.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

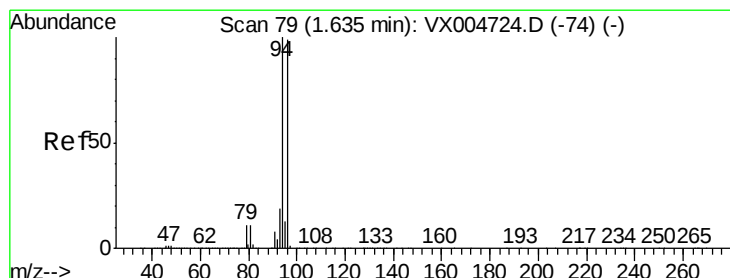
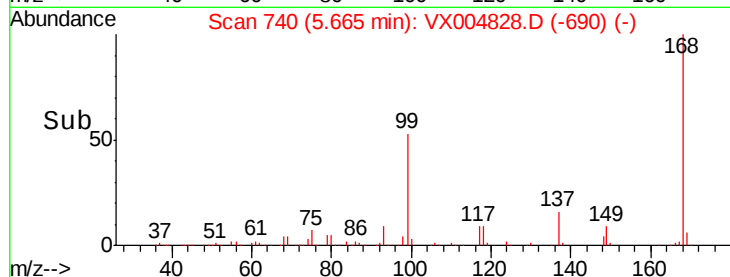
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.249 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004828.D

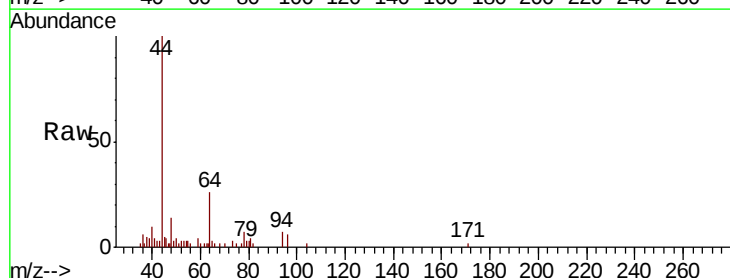
Acq: 28 Sep 2018 18:19

Tgt Ion: 94 Resp: 515

Ion Ratio Lower Upper

94 100

96 50.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

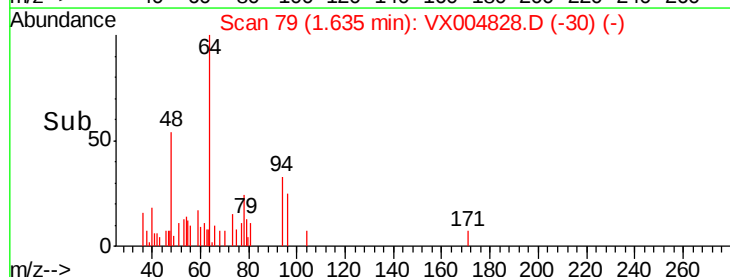
100

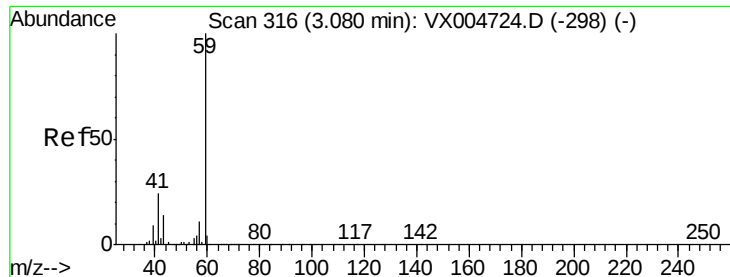
50

0

Time-->

1.60 1.65 1.70



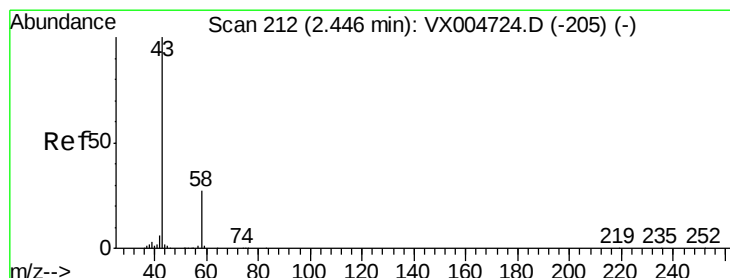
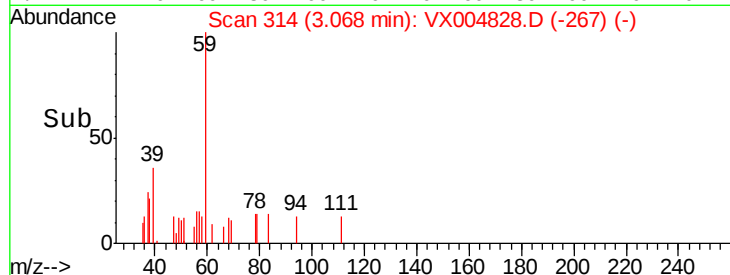
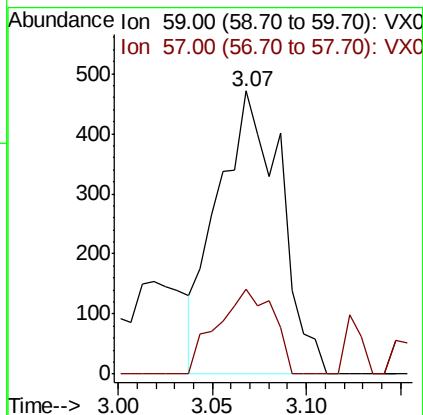
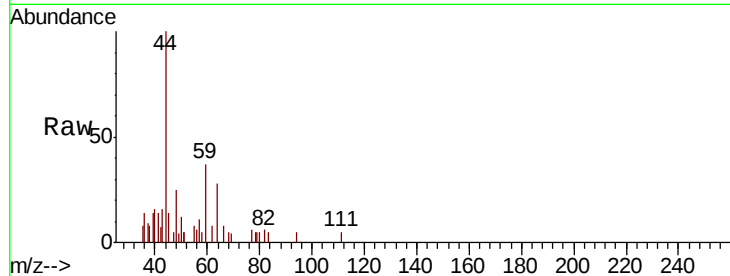


#11

Tert butyl alcohol
 Concen: 1.214 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004828.D
 Acq: 28 Sep 2018 18:19

Instrument :
 MSVOA_X
 ClientSampled :
 MH-713

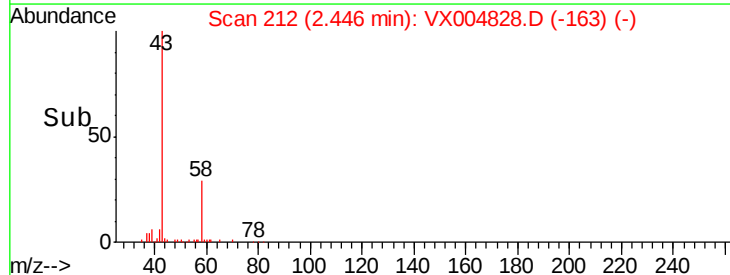
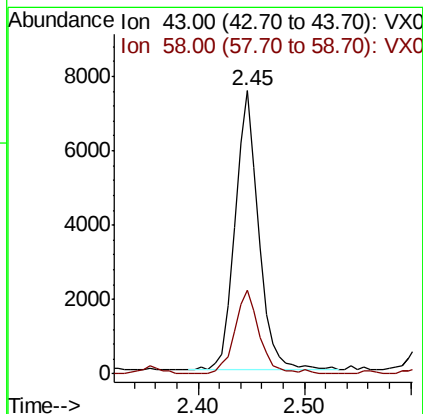
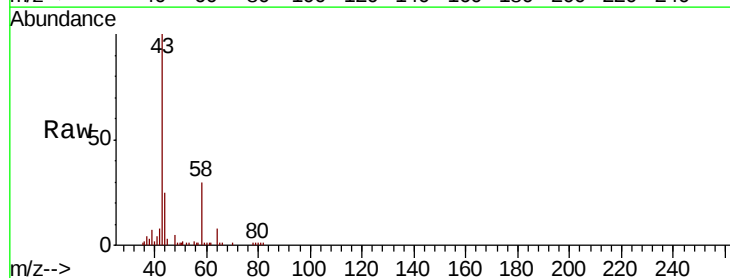
Tot Ion: 59 Resp: 1090
 Ion Ratio Lower Upper
 59 100
 57 26.8 8.2 12.4#

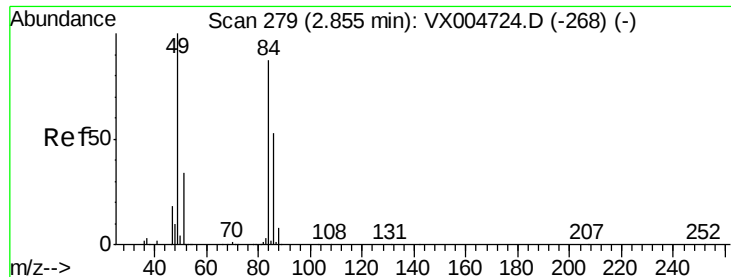


#16

Acetone
 Concen: 6.238 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX004828.D
 Acq: 28 Sep 2018 18:19

Tgt Ion: 43 Resp: 11699
 Ion Ratio Lower Upper
 43 100
 58 30.0 26.2 39.4

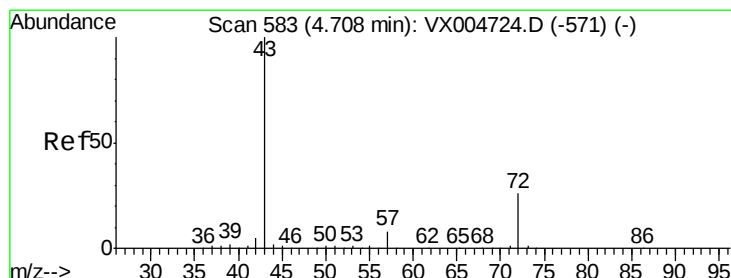
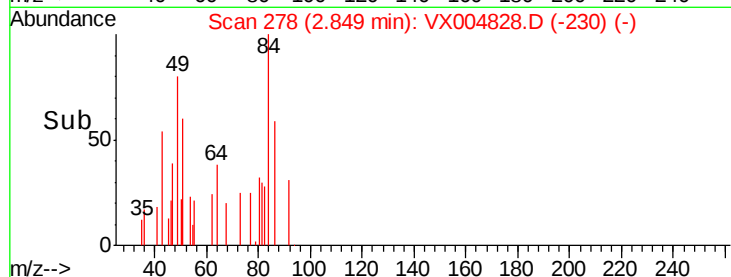
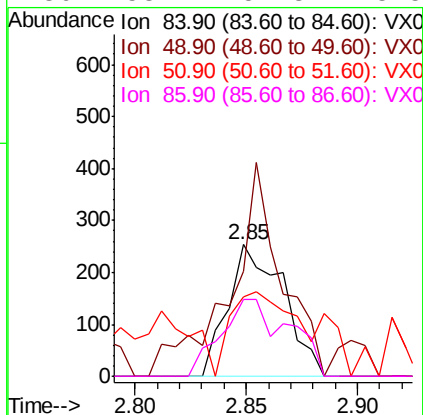
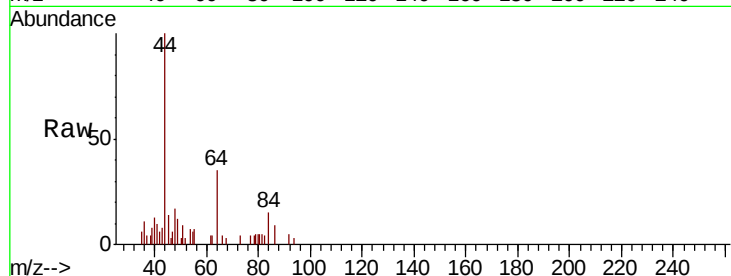




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

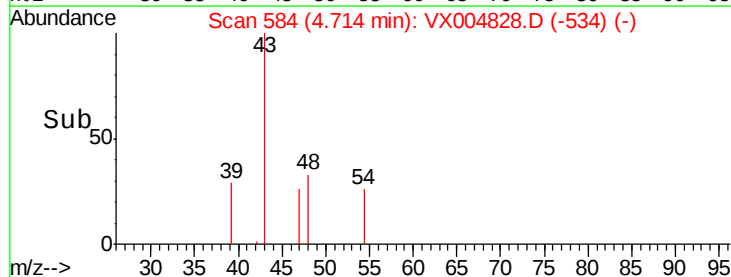
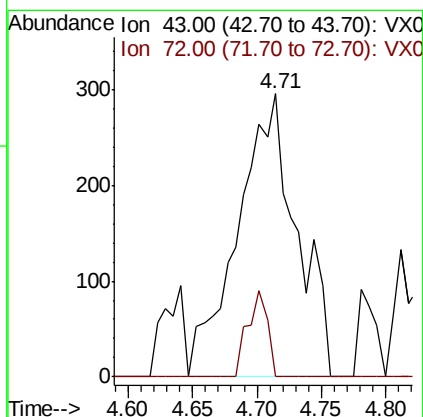
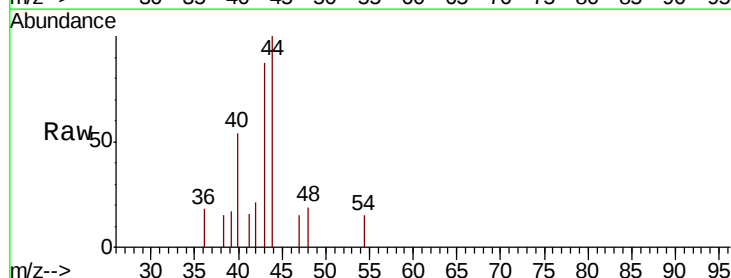
Instrument :
MSVOA_X
ClientSampled :
MH-713

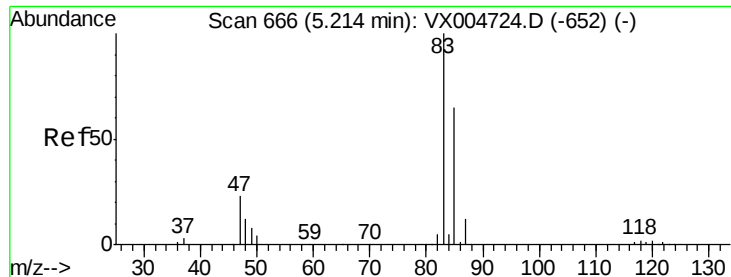
Tot Ion:	84	Resp:	439
Ion	Ratio	Lower	Upper
84	100		
49	58.3	101.2	151.8#
51	30.3	29.5	44.3
86	58.7	52.3	78.5



#25
2-Butanone
Concen: 0.338 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

Tgt Ion:	43	Resp:	934
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#

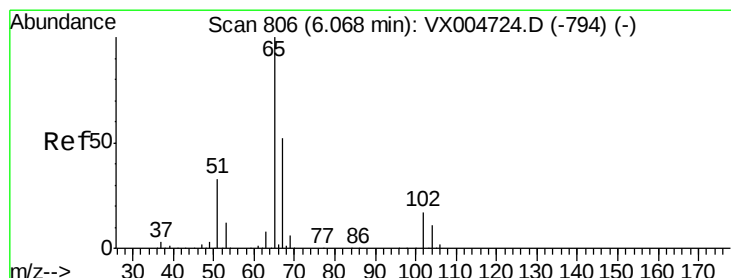
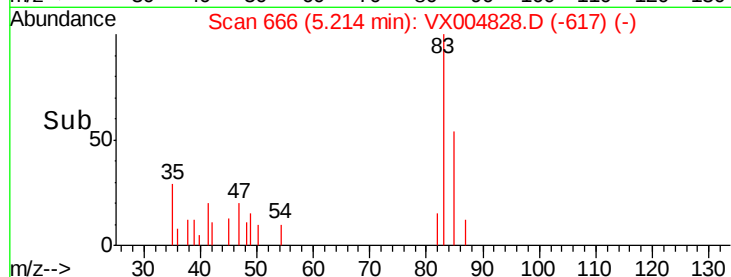
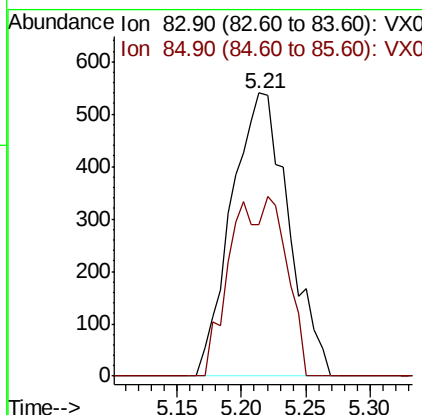
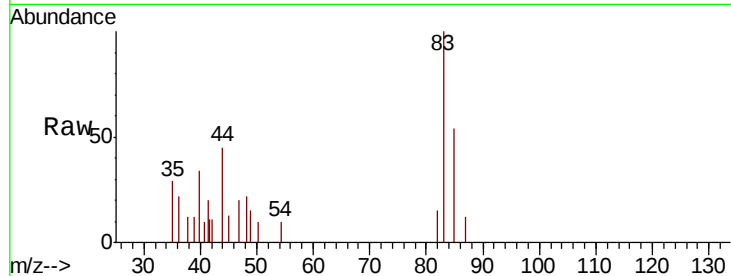




#30
Chloroform
Concen: 0.329 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

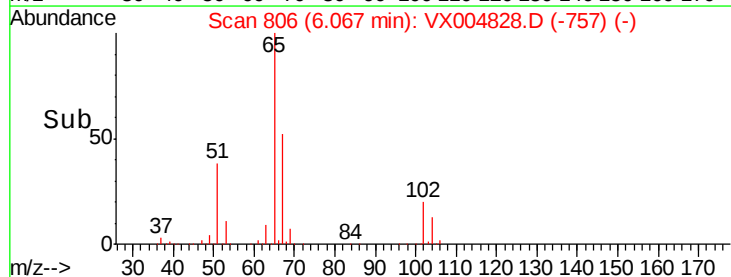
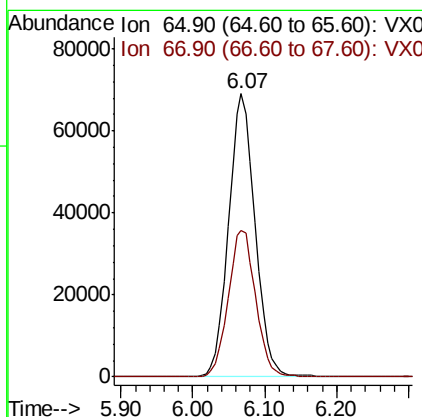
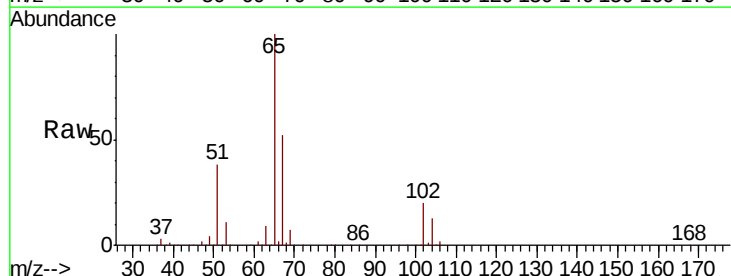
Instrument :
MSVOA_X
ClientSampled :
MH-713

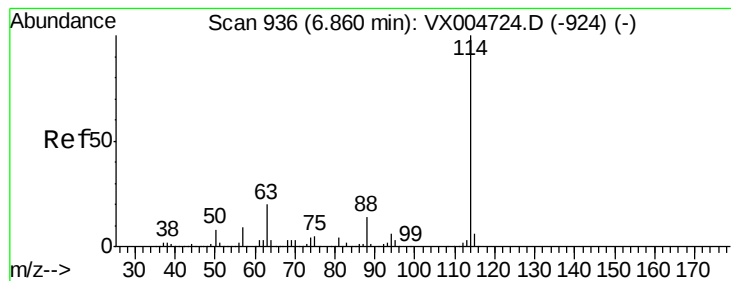
Tot Ion: 83 Resp: 1662
Ion Ratio Lower Upper
83 100
85 53.5 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 55.026 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

Tgt Ion: 65 Resp: 176762
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

MH-713

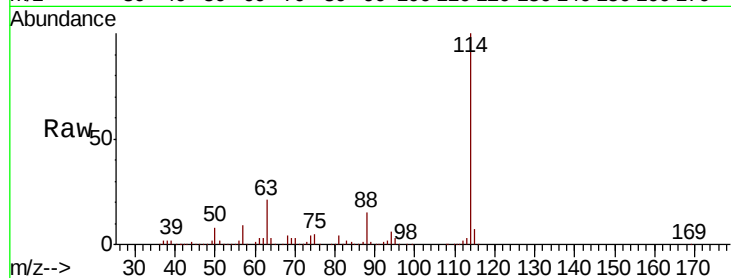
Tot Ion:114 Resp: 368453

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

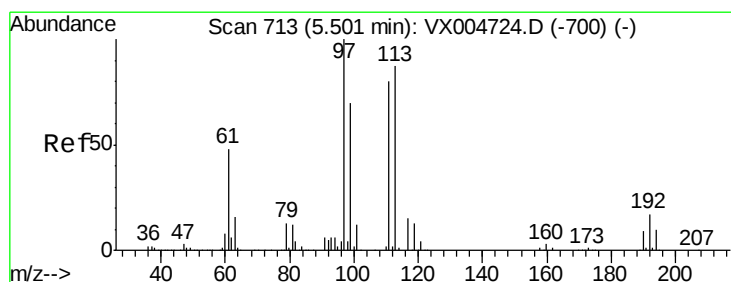
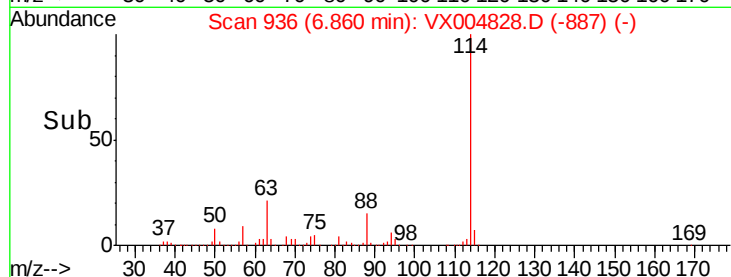
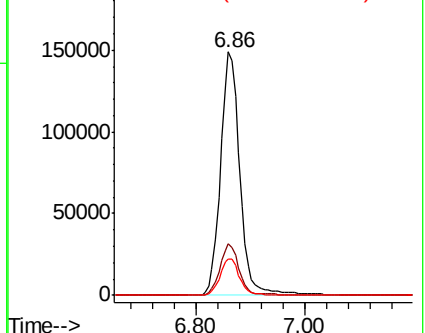
88 15.0 0.0 30.4



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: 47.550 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

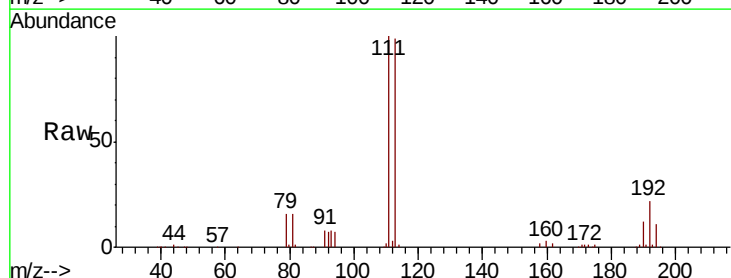
Tgt Ion:113 Resp: 148485

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

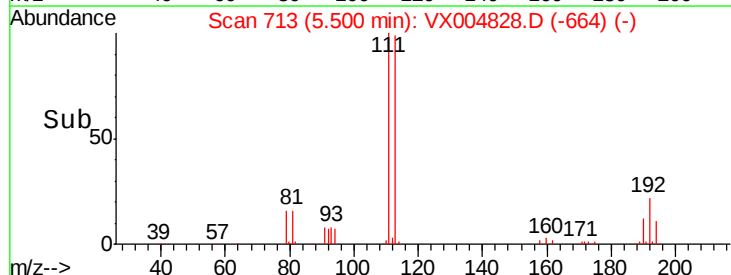
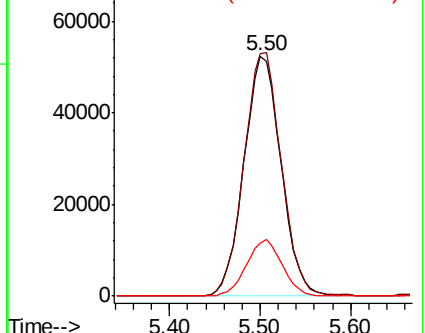
192 22.8 19.4 29.2

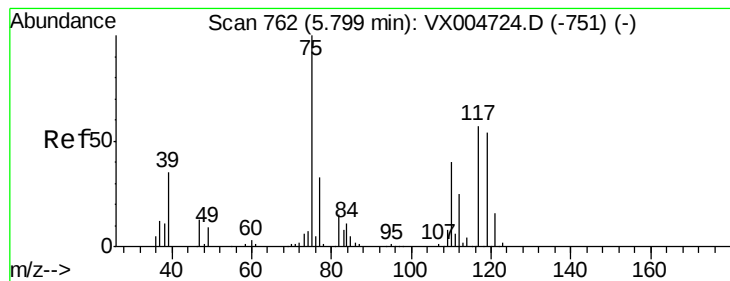


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.641 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Instrument :

MSVOA_X

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MH-713

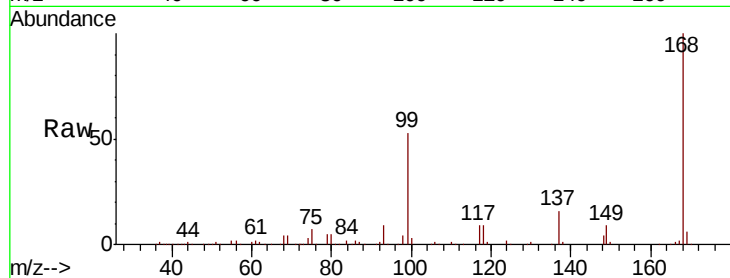
Tot Ion: 75 Resp: 15512

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

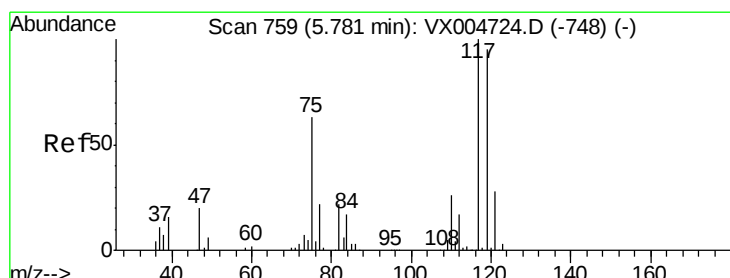
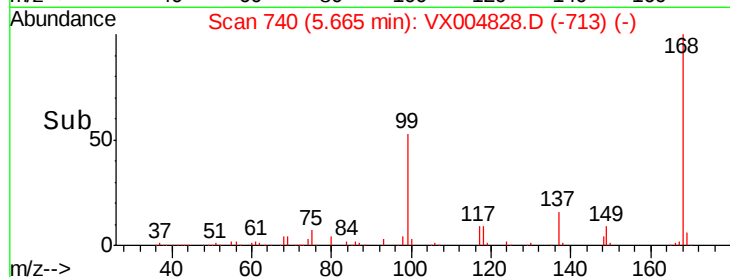
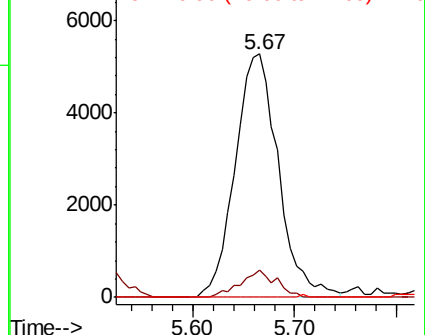
77 0.0 24.6 36.8#



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: 4.515 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

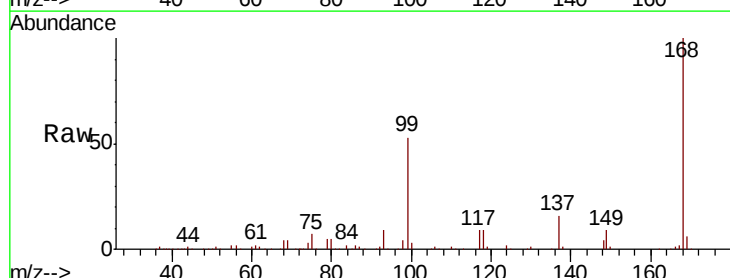
Tgt Ion: 117 Resp: 20221

Ion Ratio Lower Upper

117 100

119 6.4 78.8 118.2#

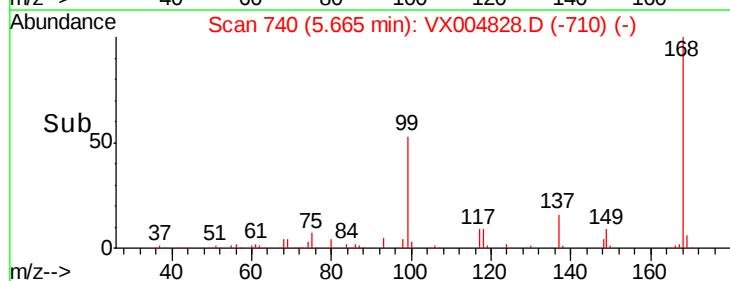
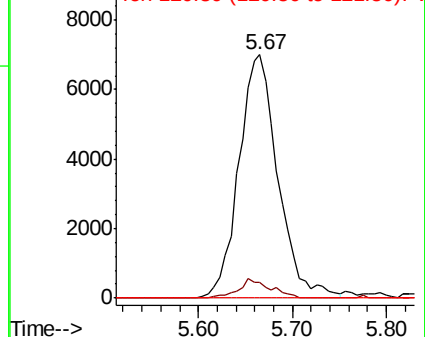
121 0.0 24.9 37.3#

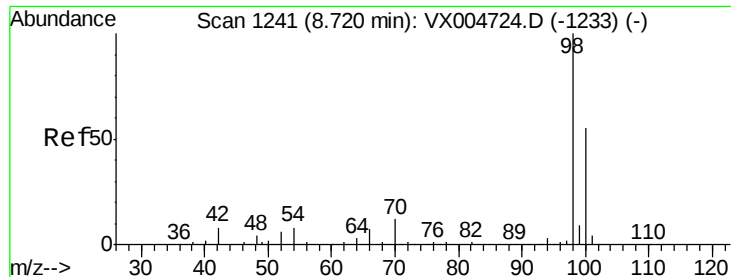


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

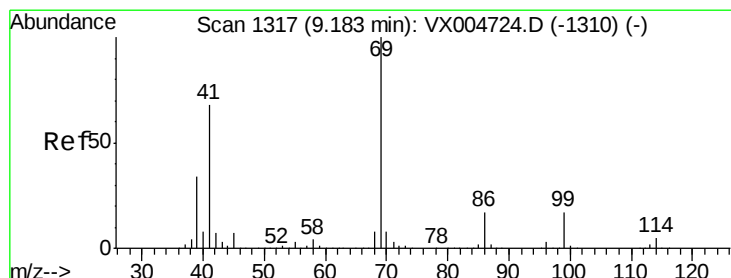
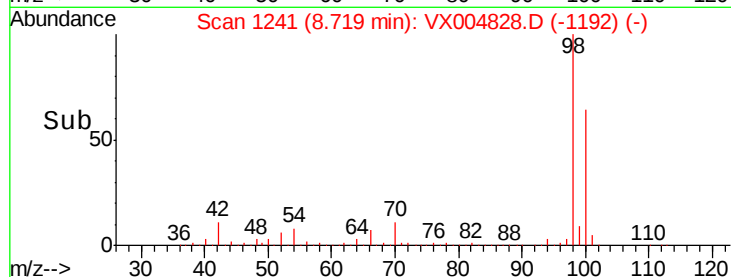
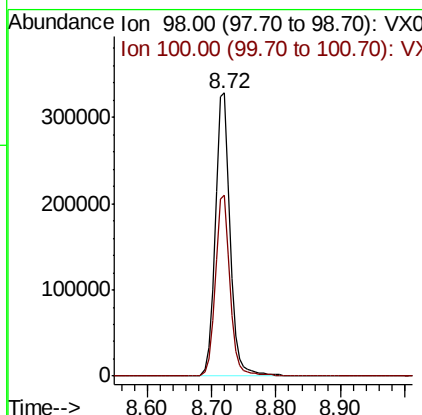
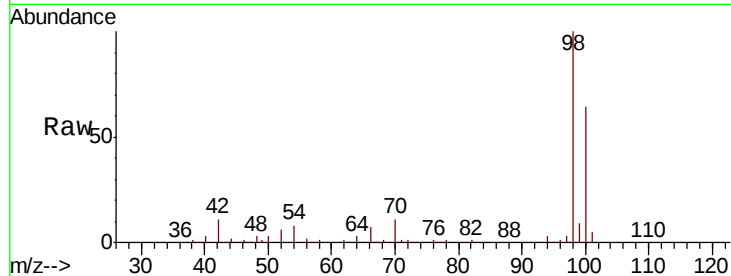




#50
Toluene-d8
Concen: 51.608 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

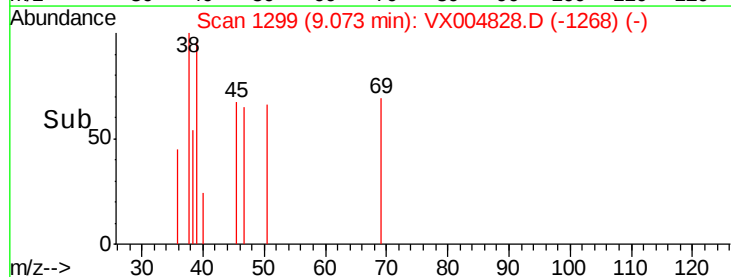
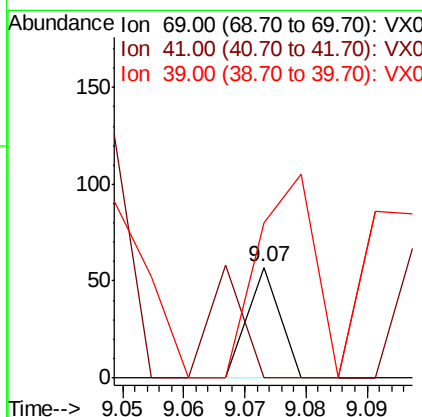
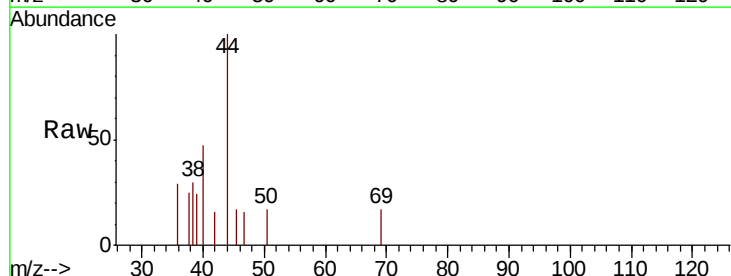
Instrument :
MSVOA_X
ClientSampleId :
MH-713

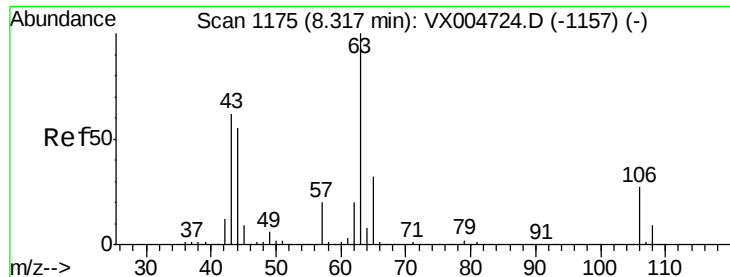
Tot Ion: 98 Resp: 535764
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 9.07 min Scan# 1299
Delta R.T. -0.11 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 100.0 51.0 76.4#
39 323.8 26.1 39.1#





#58

2-Chloroethyl Vinyl ether

Concen: 14.252 ug/l

RT: 8.28 min Scan# 1169

Delta R.T. -0.04 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

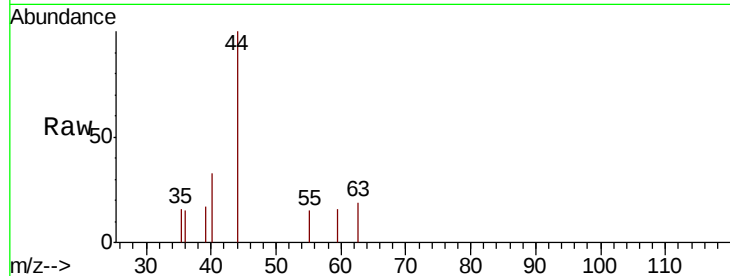
MH-713

Tot Ion: 63 Resp: 29

Ion Ratio Lower Upper

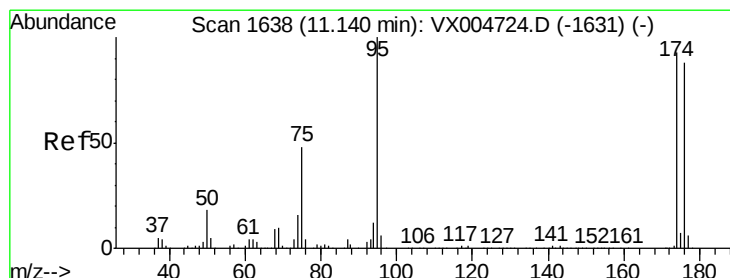
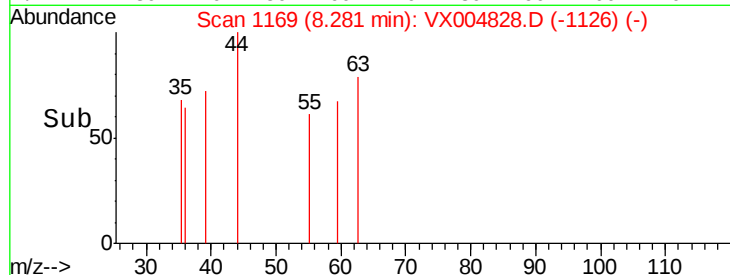
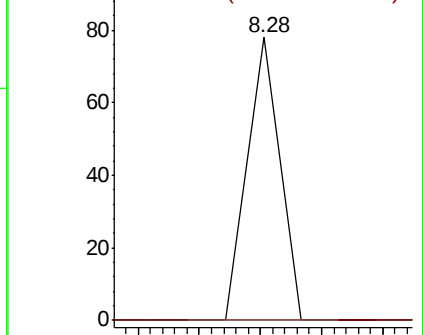
63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#62

4-Bromofluorobenzene

Concen: 52.665 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

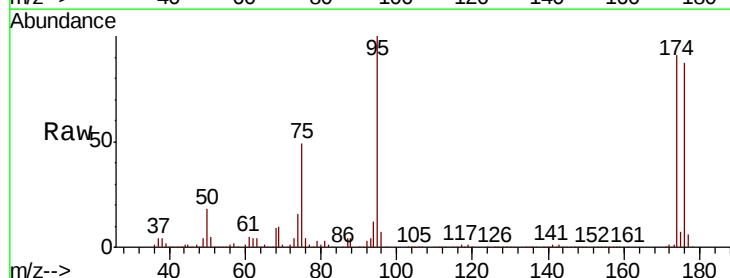
Tgt Ion: 95 Resp: 196965

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.2

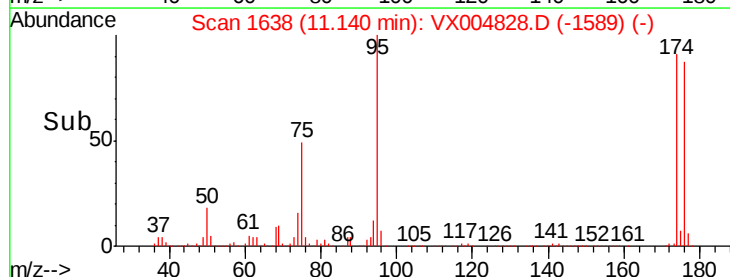
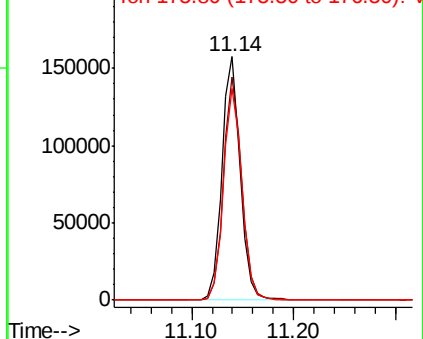
176 88.0 0.0 178.6

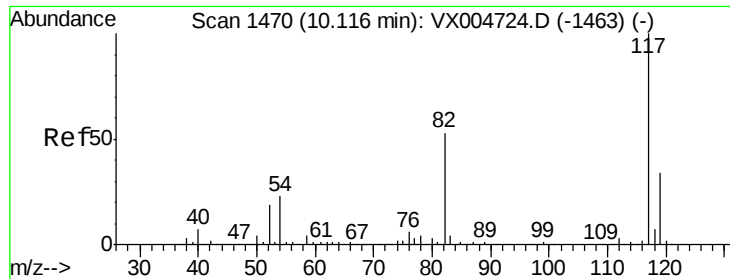


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

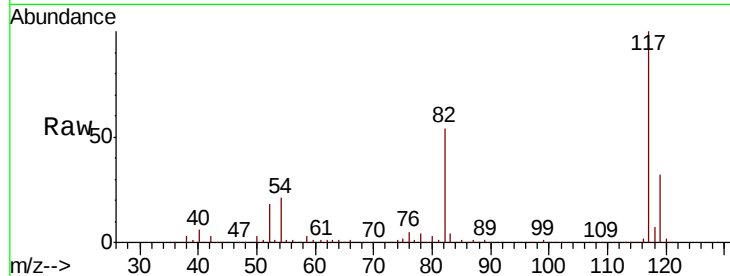




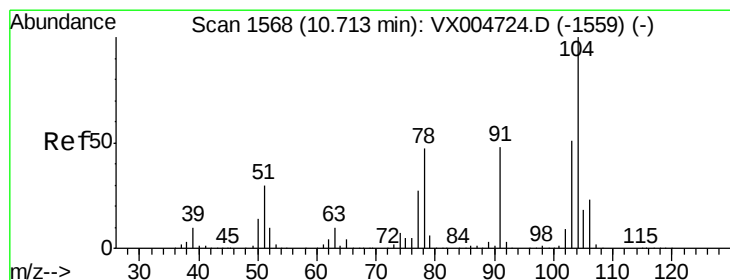
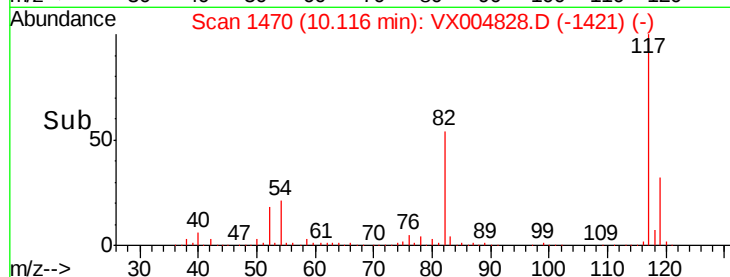
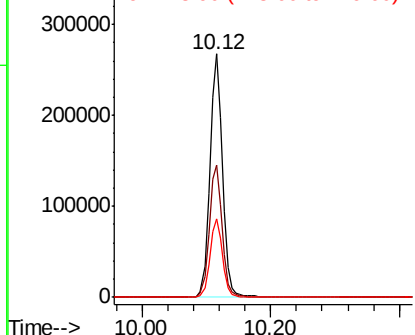
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

Instrument :
MSVOA_X
ClientSampleId :
MH-713

Tot Ion:117 Resp: 365506
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.6
119 32.1 29.3 43.9

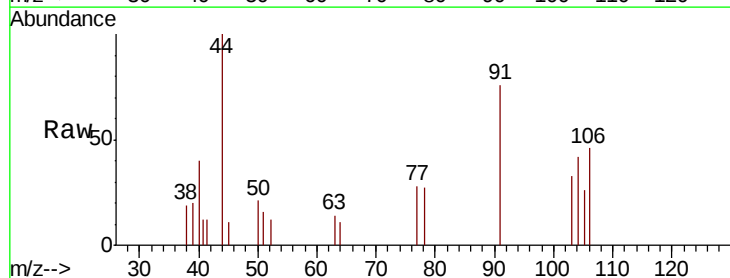


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

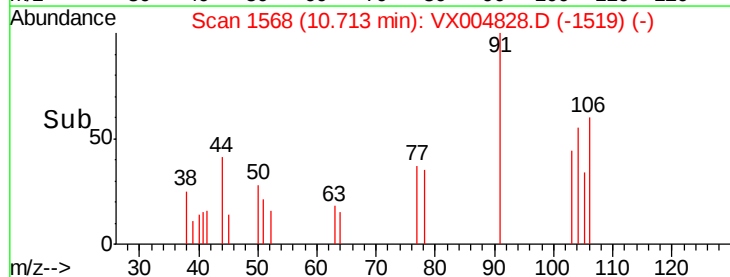
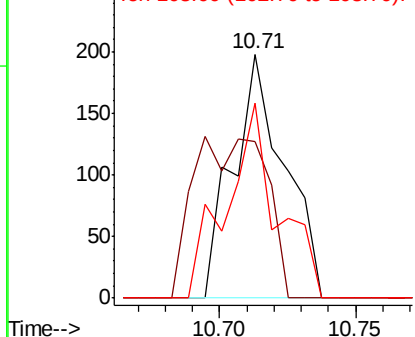


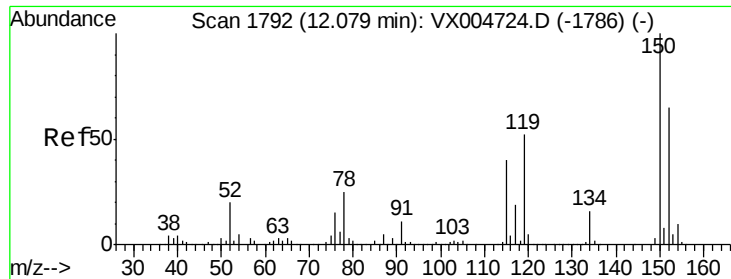
#70
Styrene
Concen: 2.165 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004828.D
Acq: 28 Sep 2018 18:19

Tgt Ion:104 Resp: 259
Ion Ratio Lower Upper
104 100
78 94.6 37.4 56.0#
103 79.5 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

MH-713

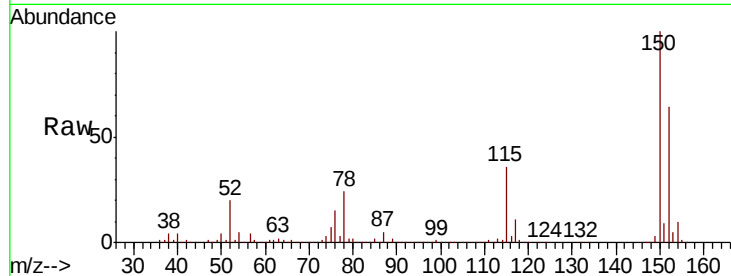
Tot Ion:152 Resp: 206948

Ion Ratio Lower Upper

152 100

115 56.5 39.0 117.0

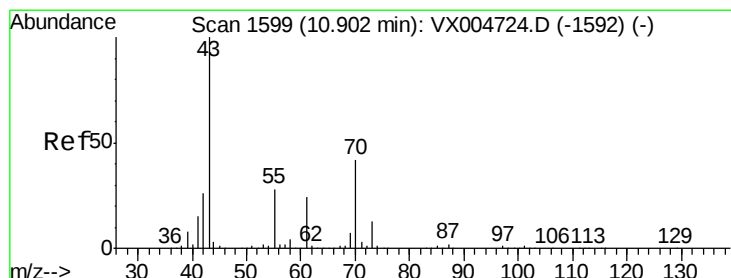
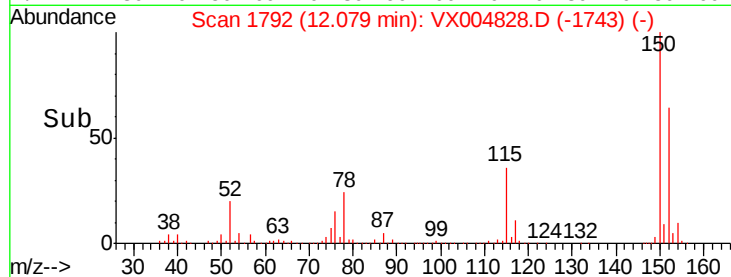
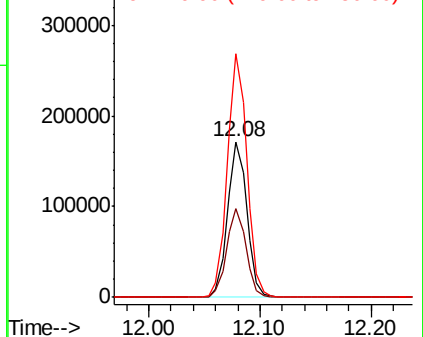
150 157.8 0.0 351.0



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: 1.778 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Tgt Ion: 43 Resp: 222

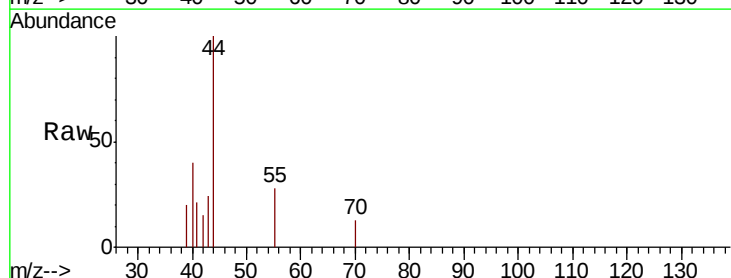
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 20.3 21.8 32.8#

61 0.0 20.6 30.8#

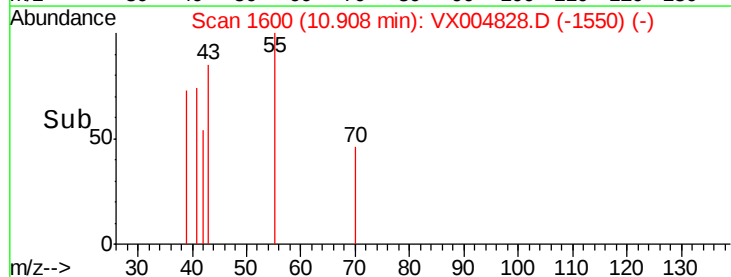
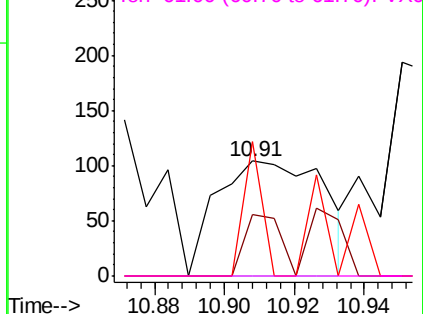


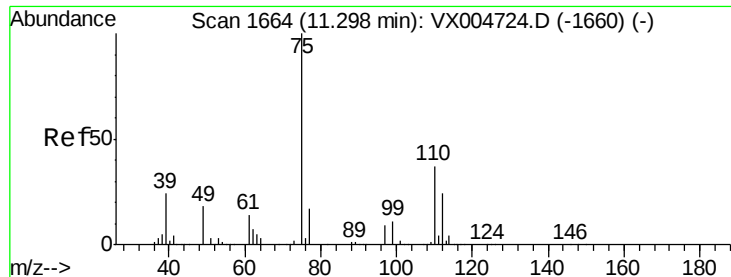
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.094 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Instrument :

MSVOA_X

ClientSampled :

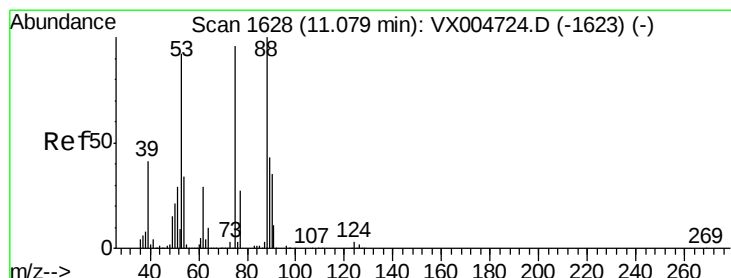
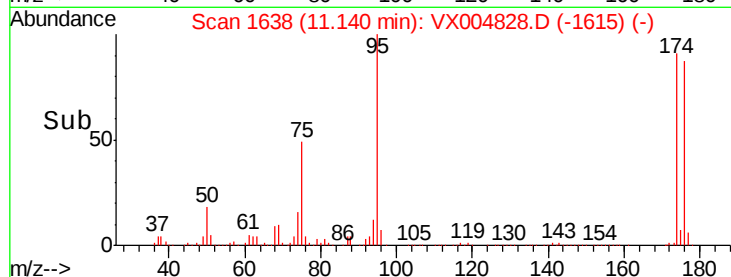
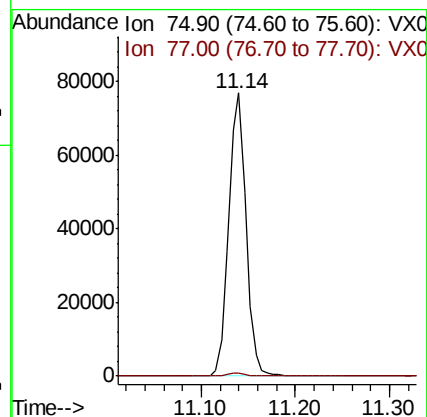
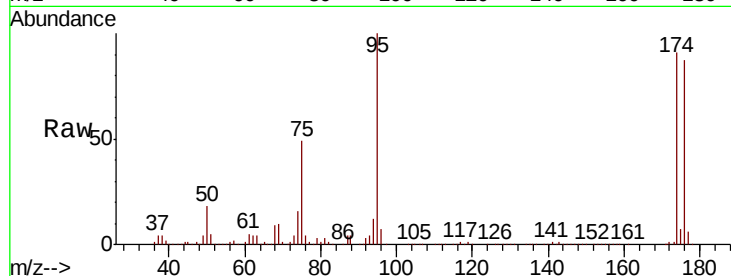
MH-713

Tot Ion: 75 Resp: 97845

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.233 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

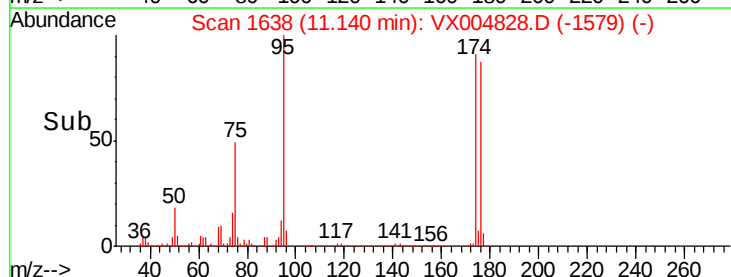
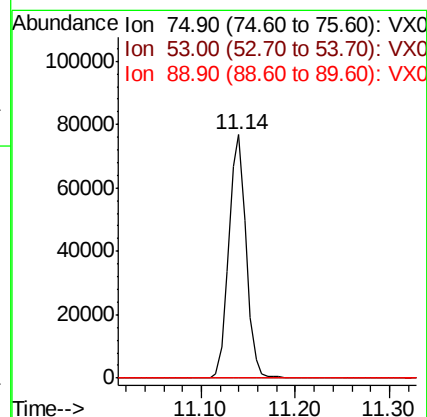
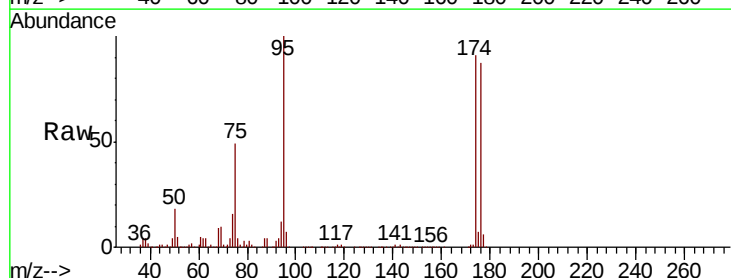
Tgt Ion: 75 Resp: 97845

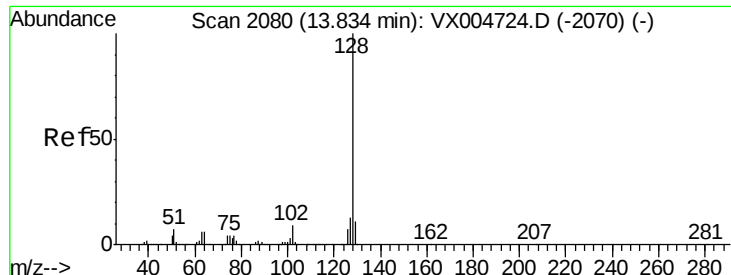
Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.776 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004828.D

Acq: 28 Sep 2018 18:19

Instrument :

MSVOA_X

ClientSampleId :

MH-713

Tot Ion:128 Resp: 995

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.2

129 16.7 8.6 12.8#

