

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004824.D
 Acq On : 28 Sep 2018 16:32
 Operator : JC/MD
 Sample : J5085-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-717

Quant Time: Sep 29 06:26:07 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

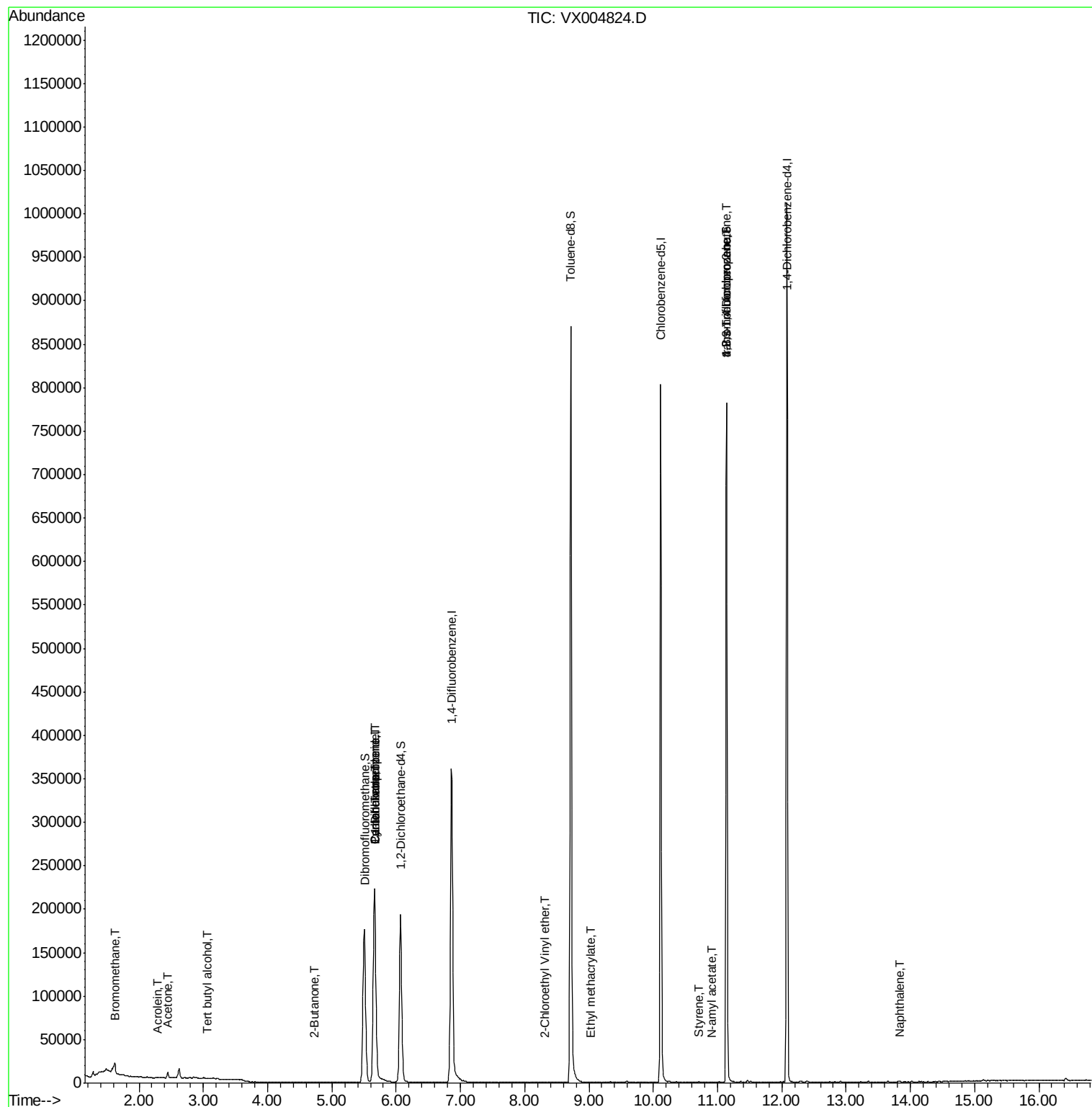
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380902	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	372601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210285	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180939	54.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.22%	
35) Dibromofluoromethane	5.51	113	152326	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
50) Toluene-d8	8.71	98	557166	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	202403	52.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.70%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	722	0.335	ug/l	83
6) Chloroethane	1.84	64	550	Below Cal	#	60
11) Tert butyl alcohol	3.07	59	1046	1.119	ug/l #	93
13) Acrolein	2.29	56	241	0.362	ug/l #	38
16) Acetone	2.45	43	6521	3.340	ug/l	90
20) Methylene Chloride	2.87	84	638	Below Cal	#	79
25) 2-Butanone	4.72	43	612	0.213	ug/l #	47
31) Cyclohexane	5.66	56	4242	0.997	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16113	3.658	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20691	4.469	ug/l #	14
56) Ethyl methacrylate	9.02	69	65	2.873	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	22	14.249	ug/l #	45
70) Styrene	10.71	104	346	2.173	ug/l #	85
74) N-amyl acetate	10.91	43	102	1.761	ug/l #	50
76) 1,2,3-Trichloropropane	11.14	75	100676	21.360	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	313	Below Cal		70
81) trans-1,4-Dichloro-2-buten	11.14	75	100676	57.929	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	306	Below Cal		71
95) Naphthalene	13.83	128	685	0.758	ug/l #	86

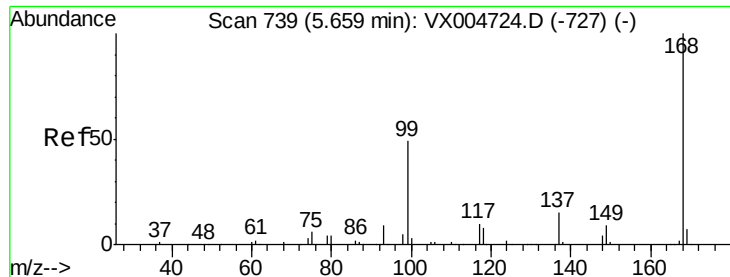
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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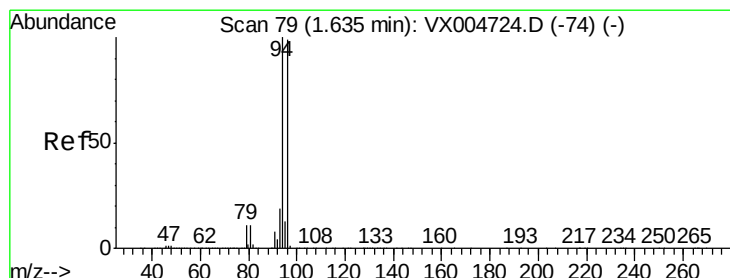
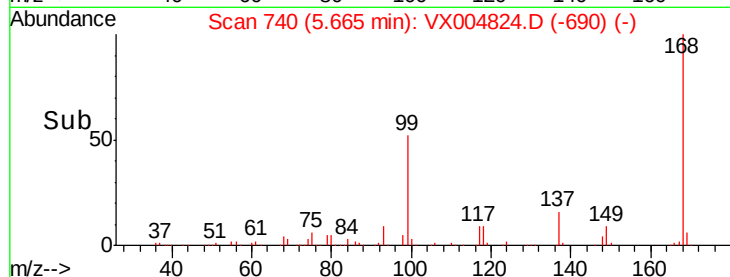
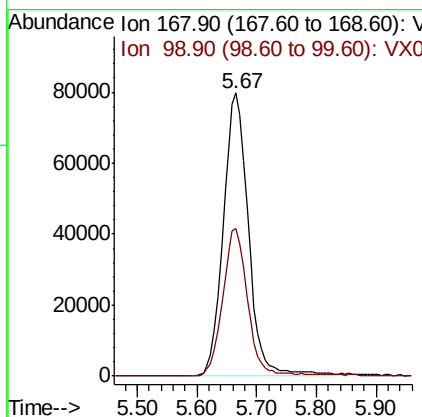
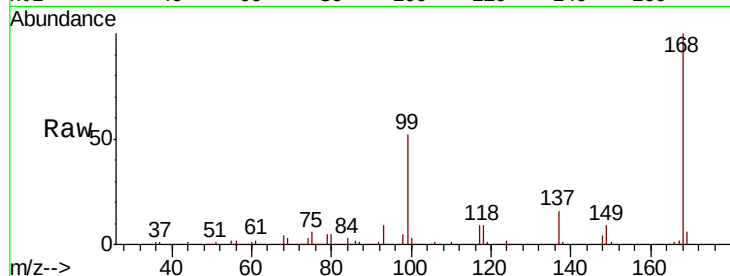




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004824.D
Acq: 28 Sep 2018 16:32

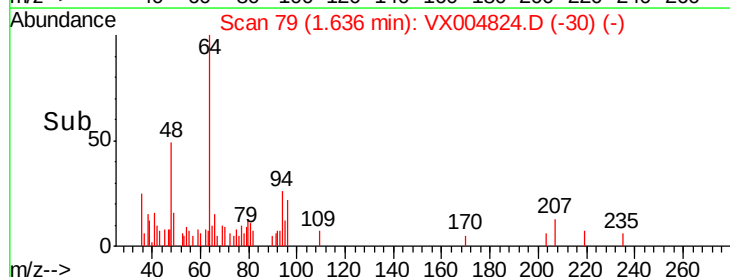
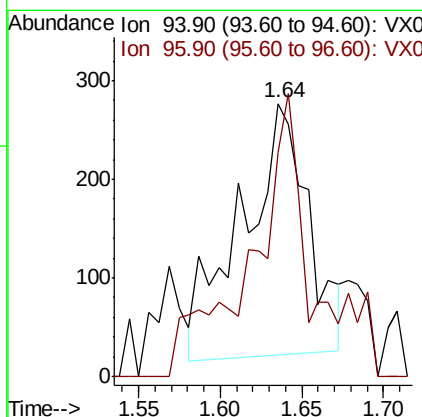
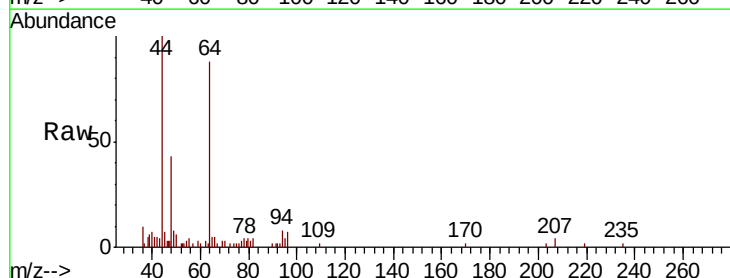
Instrument :
MSVOA_X
ClientSampled :
MH-717

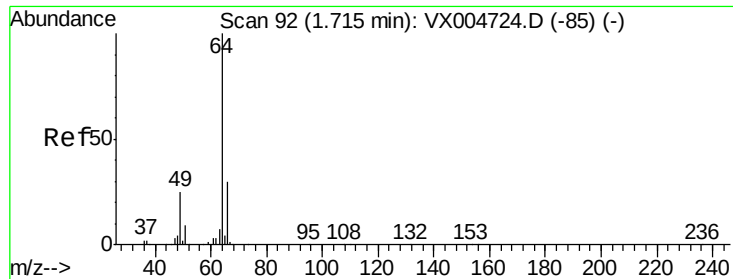
Tot Ion:168 Resp: 234075
Ion Ratio Lower Upper
168 100
99 52.3 39.9 59.9



#5
Bromomethane
Concen: 0.335 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX004824.D
Acq: 28 Sep 2018 16:32

Tgt Ion: 94 Resp: 722
Ion Ratio Lower Upper
94 100
96 76.7 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.84 min Scan# 112

Delta R.T. 0.12 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

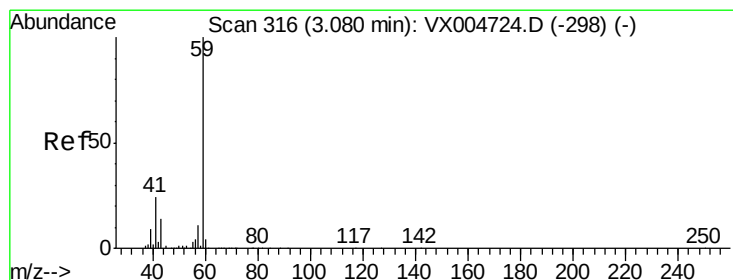
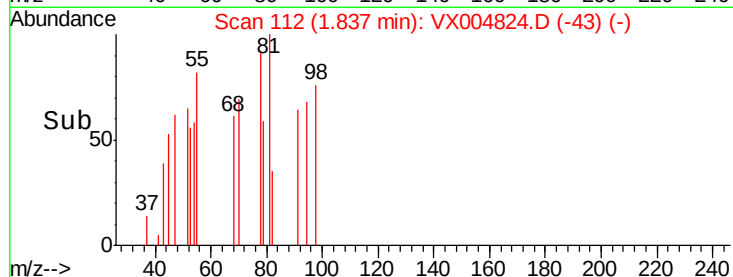
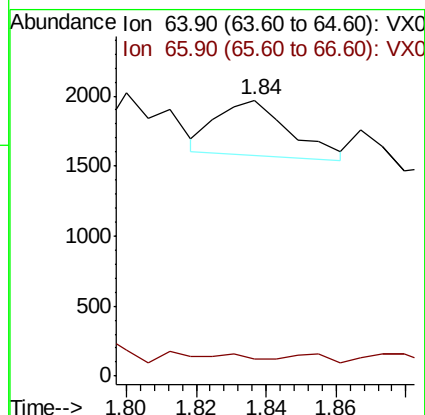
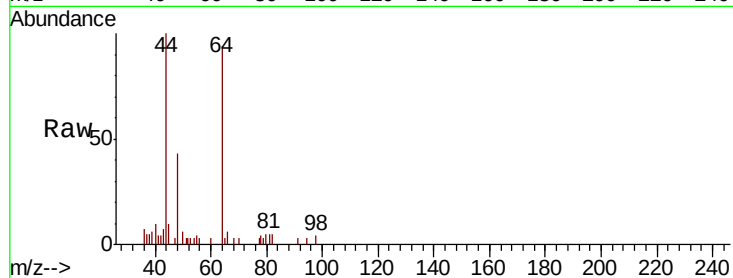
MH-717

Tot Ion: 64 Resp: 550

Ion Ratio Lower Upper

64 100

66 8.8 24.6 36.8#



#11

Tert butyl alcohol

Concen: 1.119 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004824.D

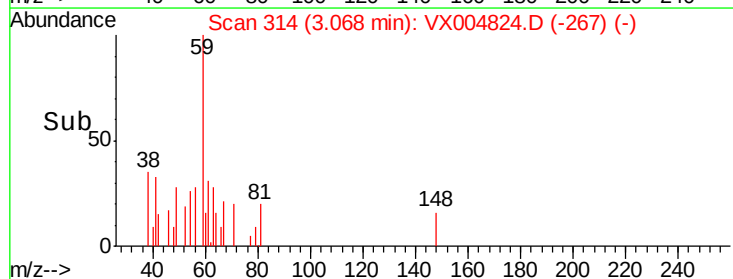
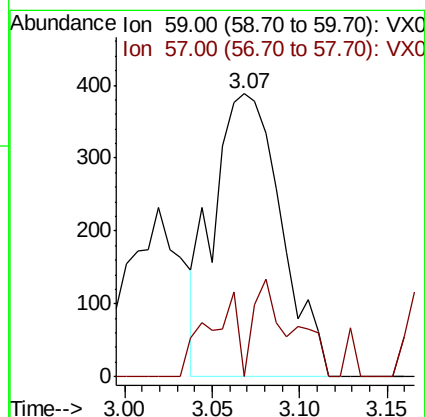
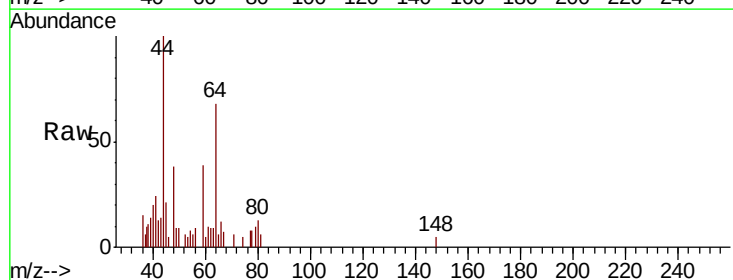
Acq: 28 Sep 2018 16:32

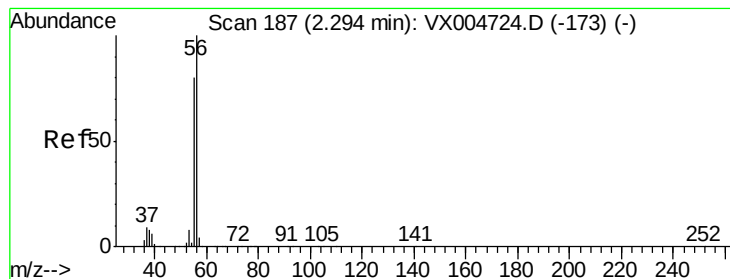
Tgt Ion: 59 Resp: 1046

Ion Ratio Lower Upper

59 100

57 13.0 8.2 12.4#





#13

Acrolein

Concen: 0.362 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

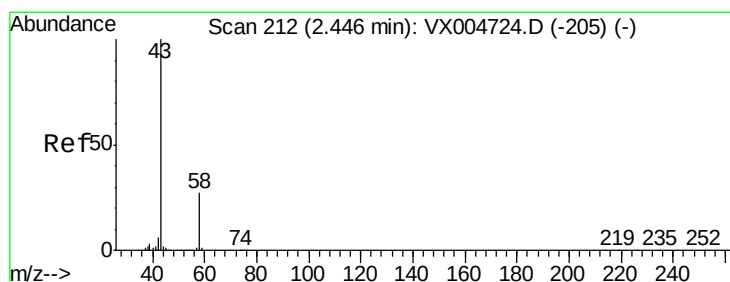
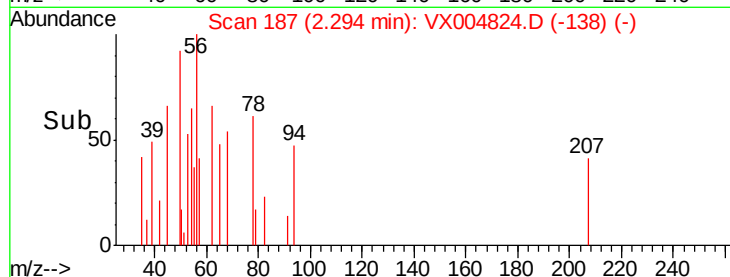
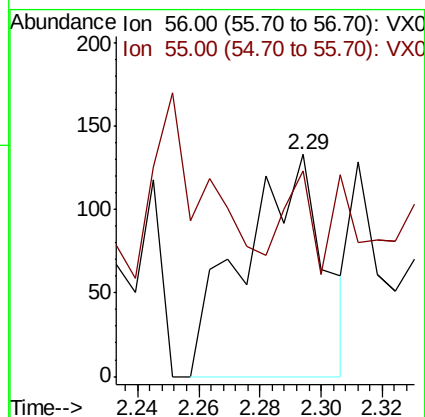
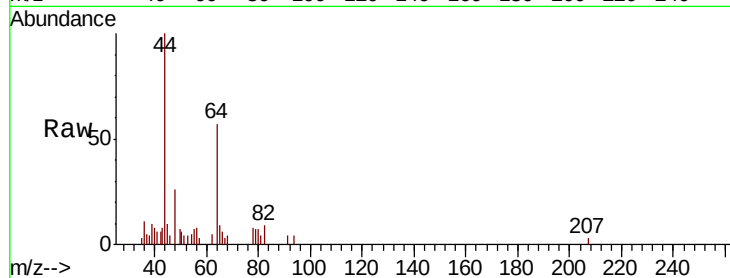
MH-717

Tot Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 18.3 54.7 82.1#



#16

Acetone

Concen: 3.340 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004824.D

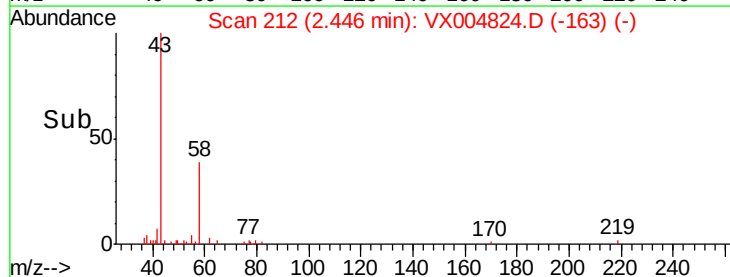
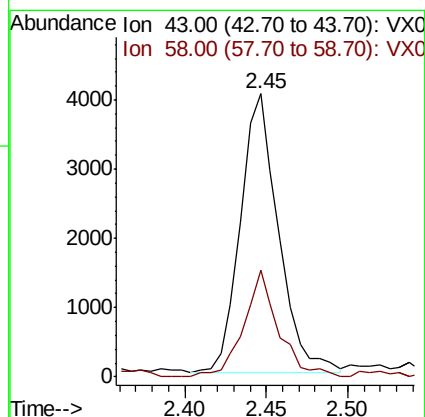
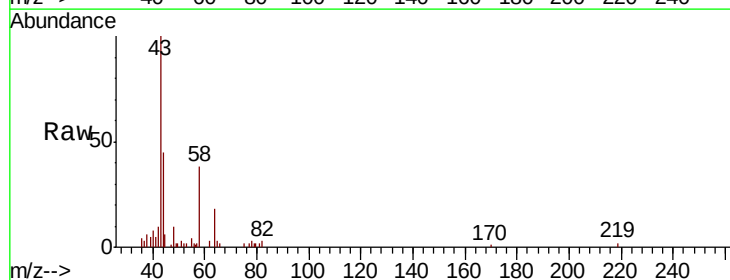
Acq: 28 Sep 2018 16:32

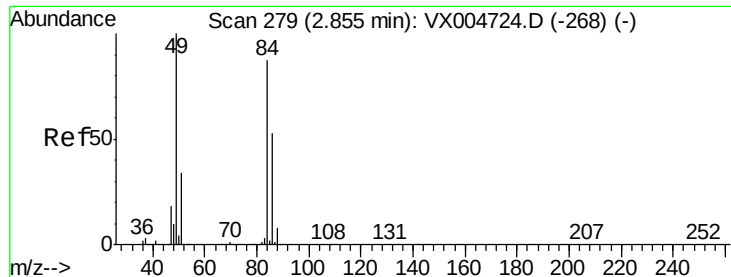
Tgt Ion: 43 Resp: 6521

Ion Ratio Lower Upper

43 100

58 38.2 26.2 39.4





#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

Instrument :

MSVOA_X

ClientSampled :

MH-717

Tot Ion: 84 Resp: 638

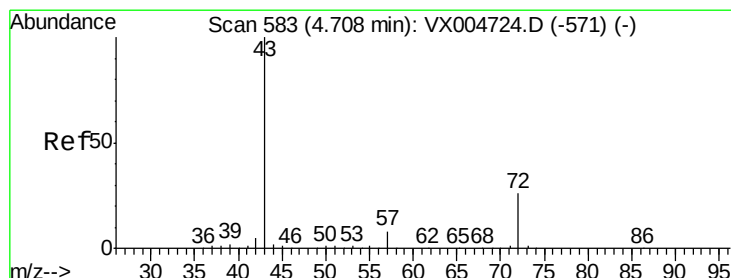
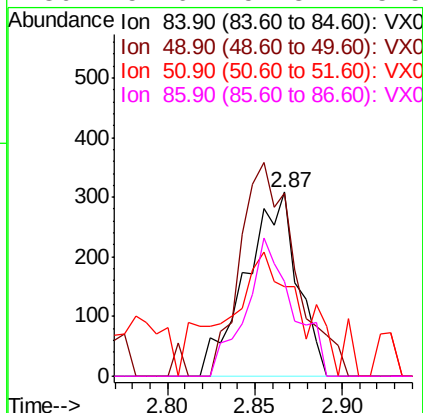
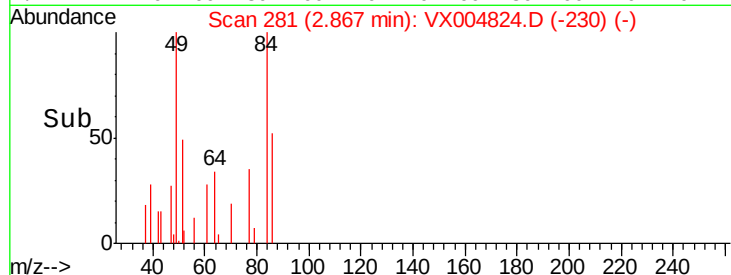
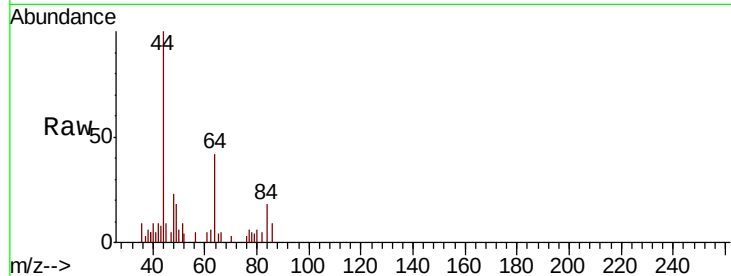
Ion Ratio Lower Upper

84 100

49 99.7 101.2 151.8#

51 48.7 29.5 44.3#

86 51.6 52.3 78.5#



#25

2-Butanone

Concen: 0.213 ug/l

RT: 4.72 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX004824.D

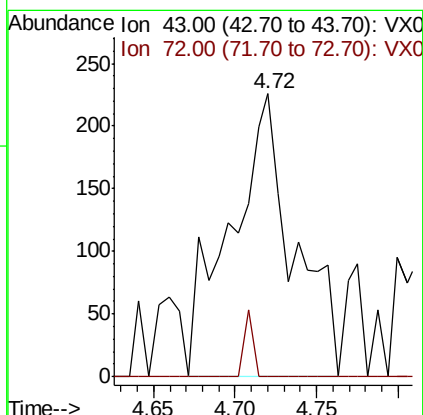
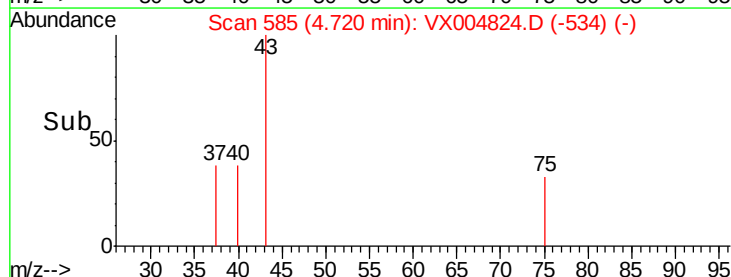
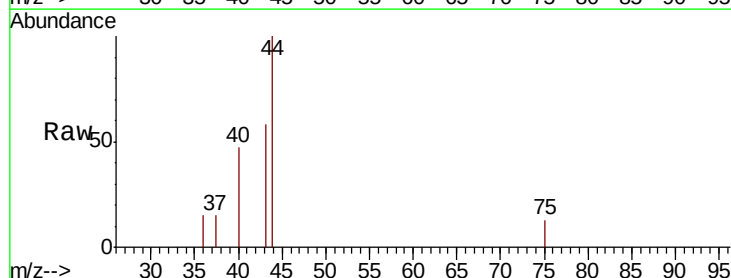
Acq: 28 Sep 2018 16:32

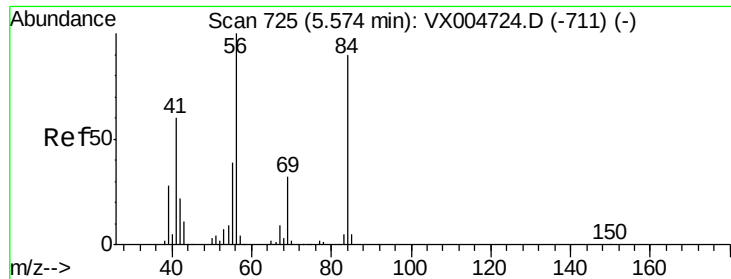
Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#

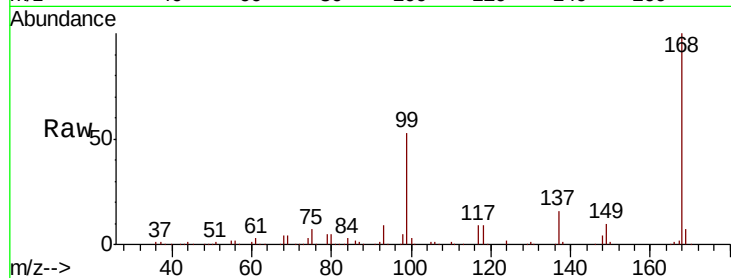




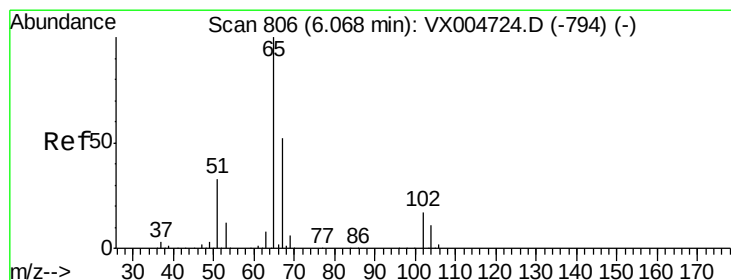
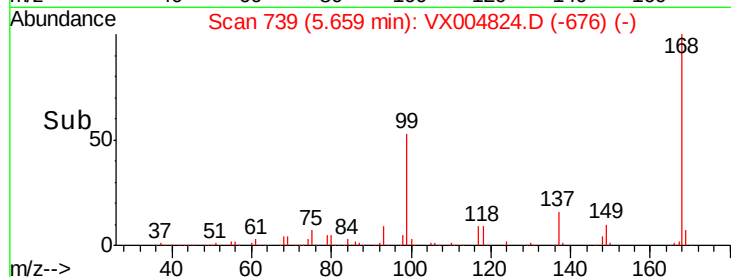
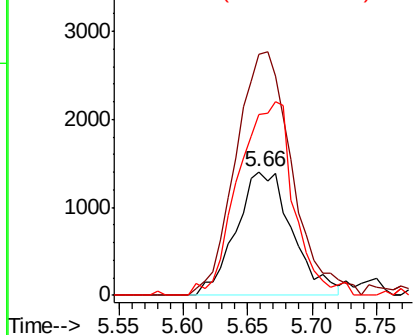
#31
Cyclohexane
Concen: 0.997 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004824.D
Acq: 28 Sep 2018 16:32

Instrument :
MSVOA_X
ClientSampled :
MH-717

Tot Ion: 56 Resp: 4242
Ion Ratio Lower Upper
56 100
69 194.7 25.4 38.2#
84 145.7 71.4 107.2#

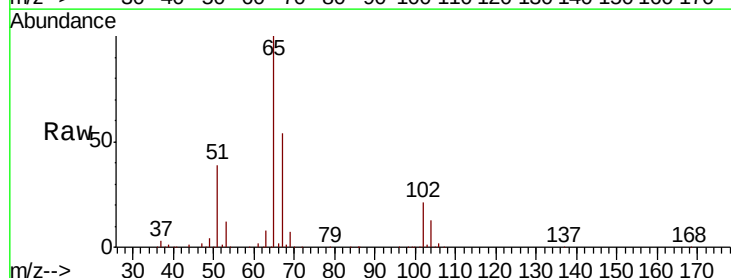


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

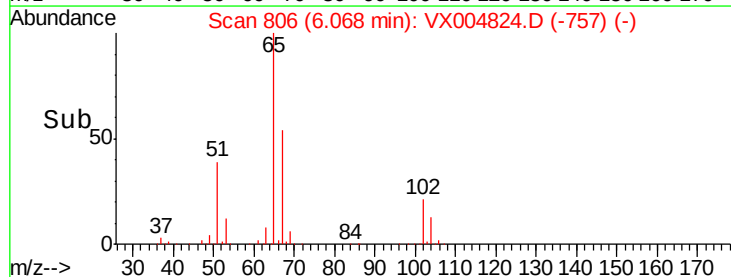
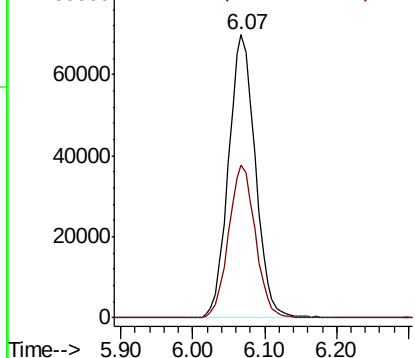


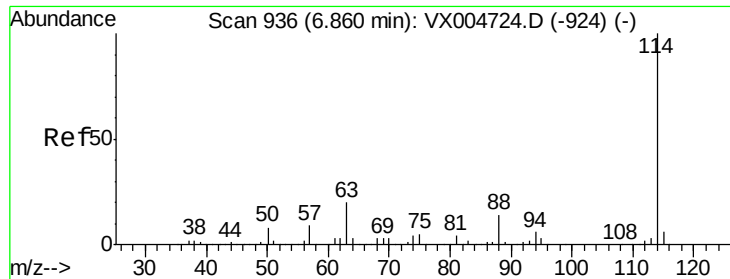
#33
1,2-Dichloroethane-d4
Concen: 54.112 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004824.D
Acq: 28 Sep 2018 16:32

Tgt Ion: 65 Resp: 180939
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

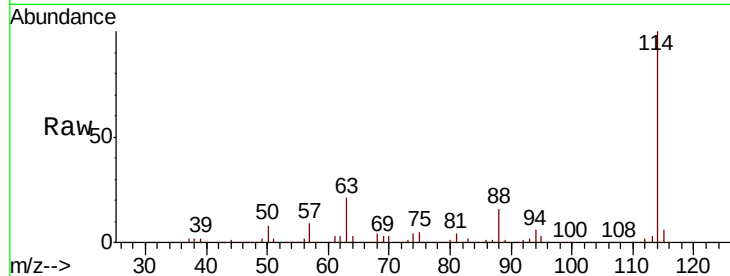




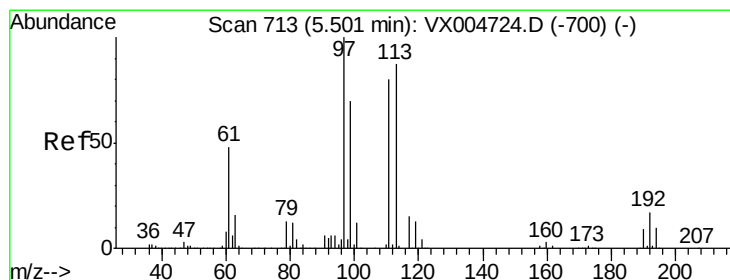
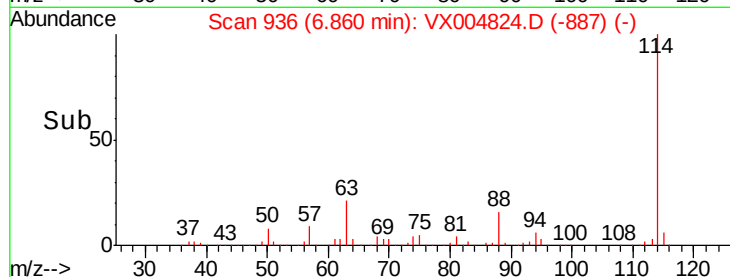
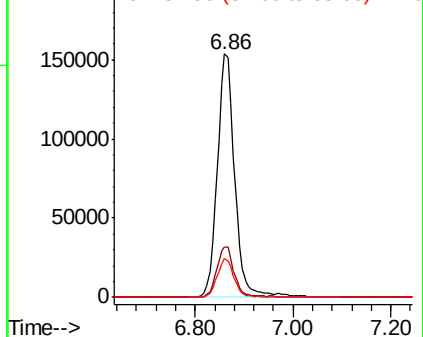
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-717

Tot Ion:114 Resp: 380902
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 15.7 0.0 30.4

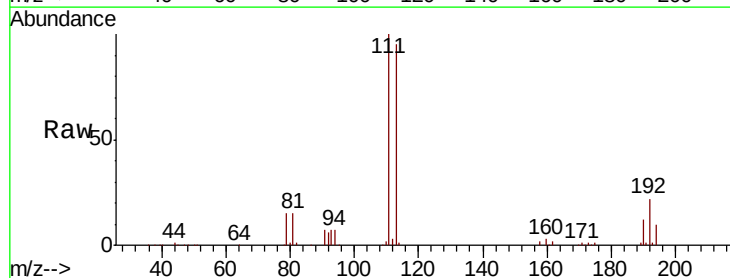


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

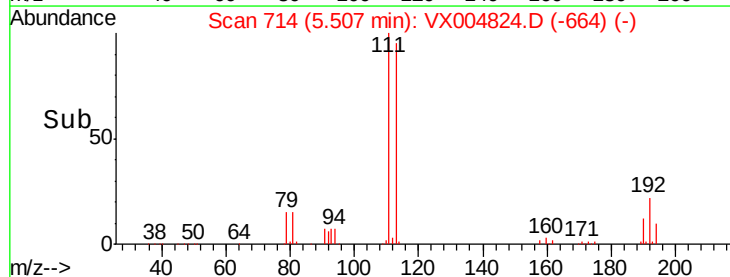
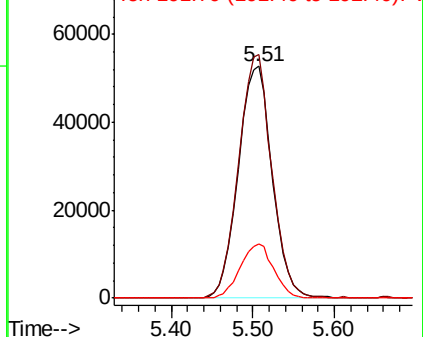


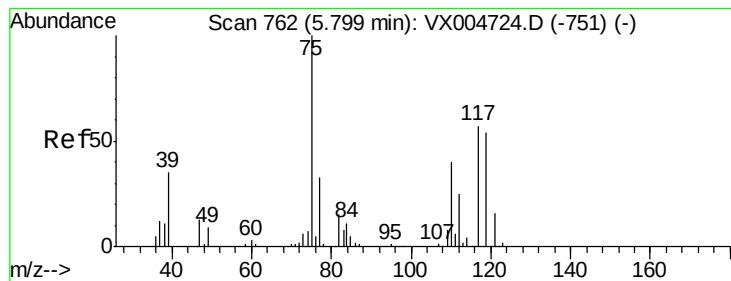
#35
 Dibromofluoromethane
 Concen: 47.186 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

Tgt Ion:113 Resp: 152326
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 23.2 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: 3.658 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

Instrument :

MSVOA_X

ClientSampled :

MH-717

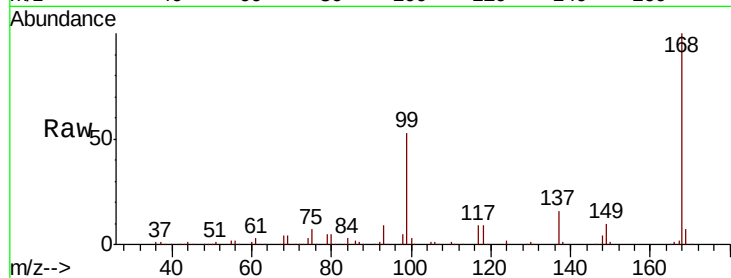
Tot Ion: 75 Resp: 16113

Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

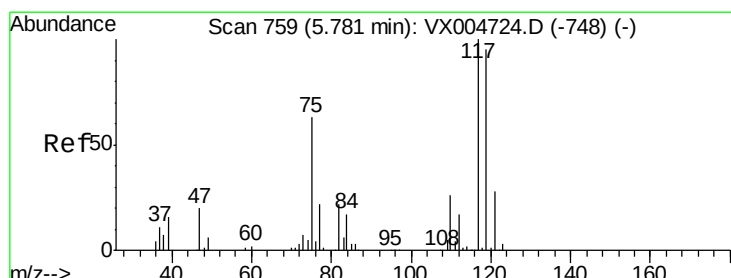
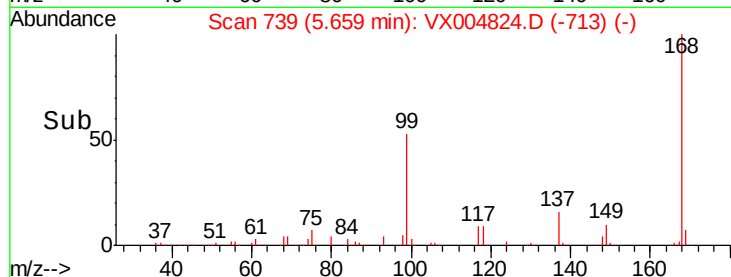
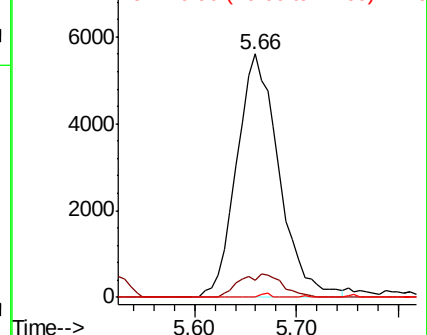
77 0.3 24.6 36.8#



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: 4.469 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

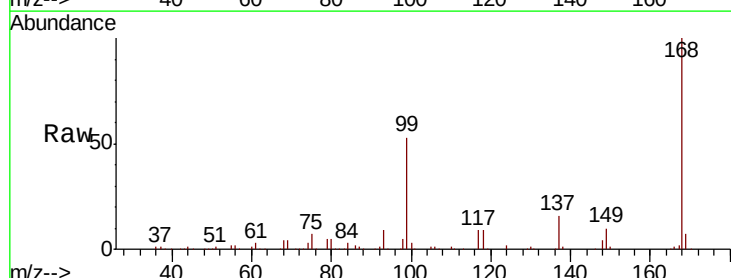
Tgt Ion: 117 Resp: 20691

Ion Ratio Lower Upper

117 100

119 3.9 78.8 118.2#

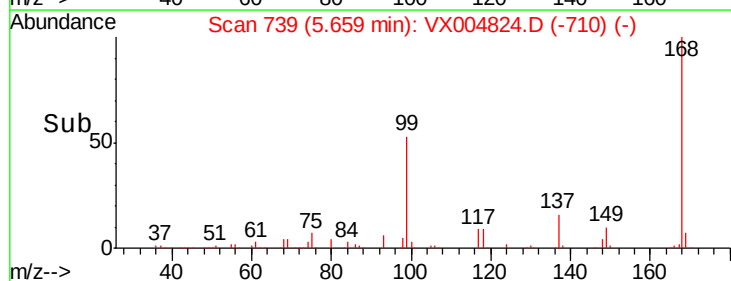
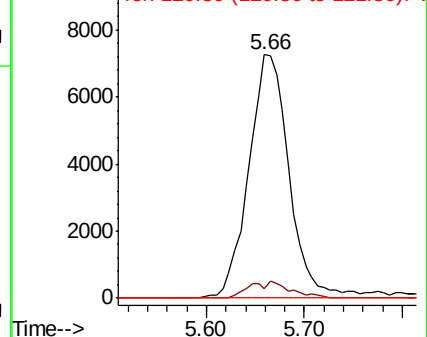
121 0.0 24.9 37.3#

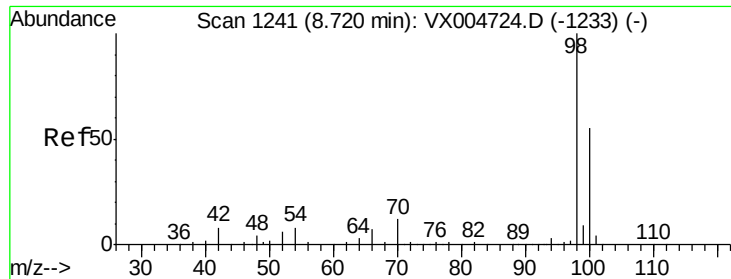


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.916 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

Instrument :

MSVOA_X

ClientSampled :

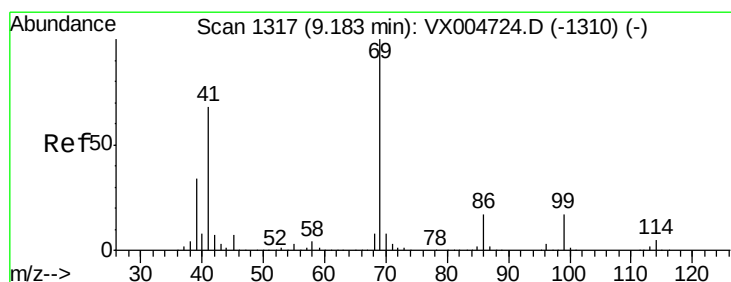
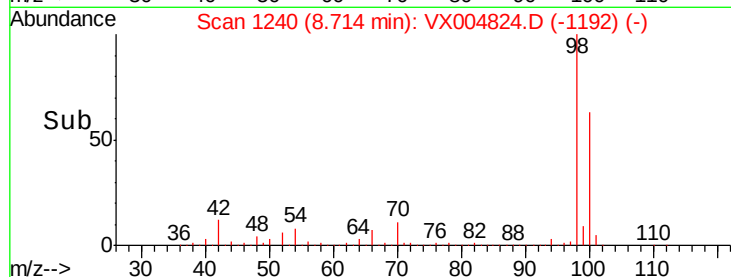
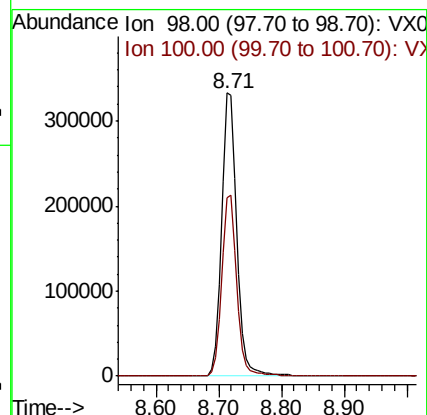
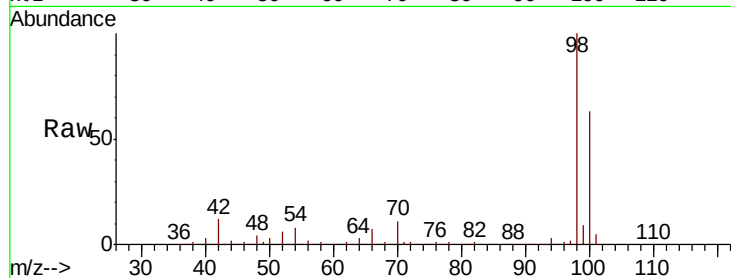
MH-717

Tot Ion: 98 Resp: 557166

Ion Ratio Lower Upper

98 100

100 63.6 52.9 79.3



#56

Ethyl methacrylate

Concen: 2.873 ug/l

RT: 9.02 min Scan# 1290

Delta R.T. -0.16 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

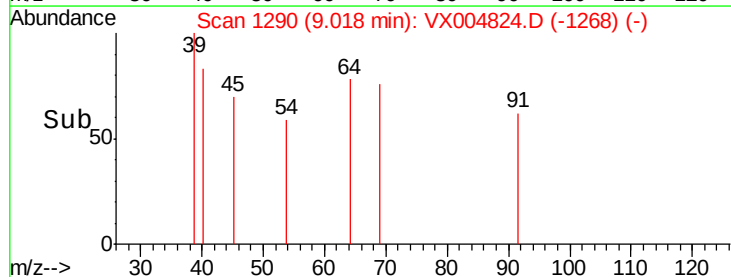
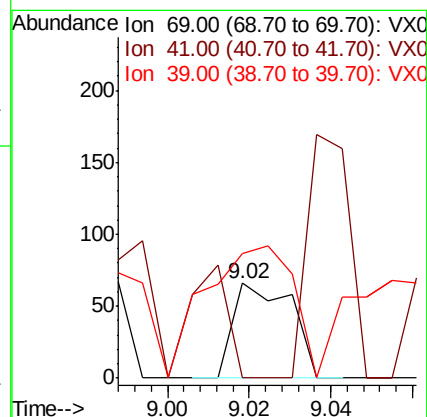
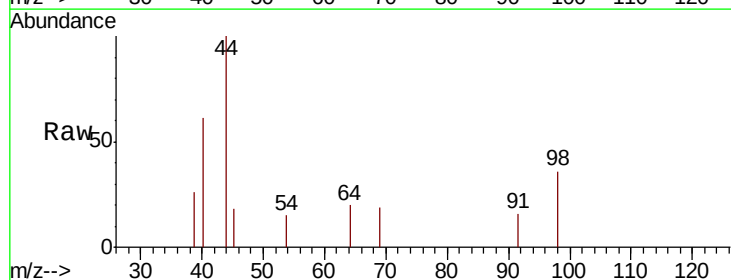
Tgt Ion: 69 Resp: 65

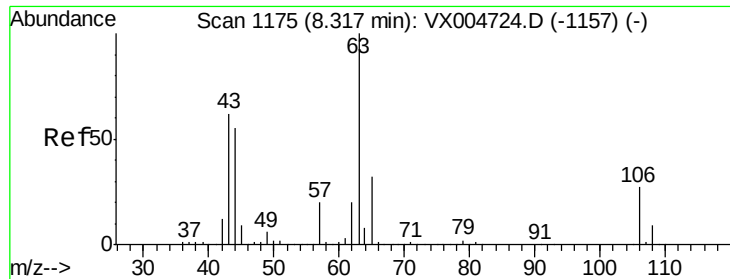
Ion Ratio Lower Upper

69 100

41 76.9 51.0 76.4#

39 210.8 26.1 39.1#

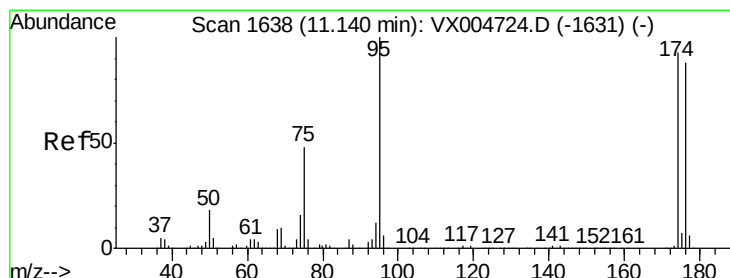
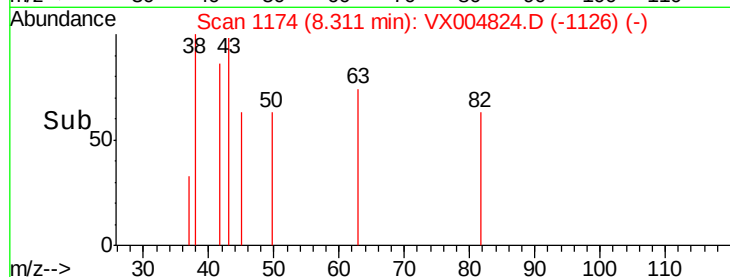
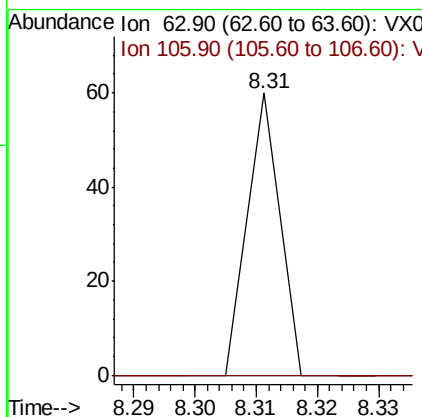
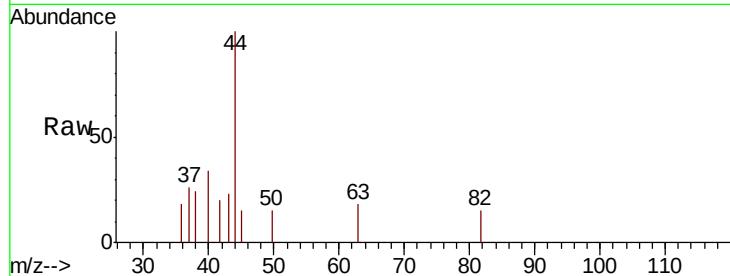




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.249 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

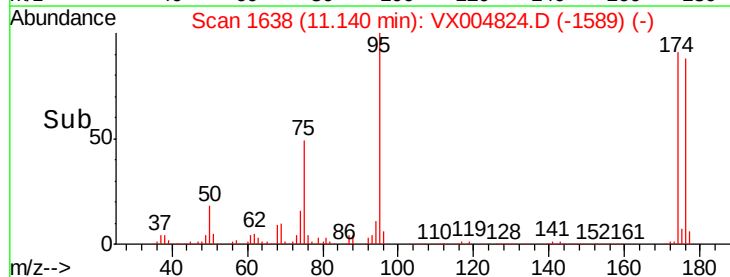
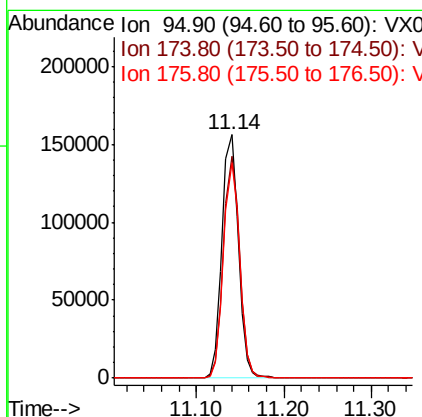
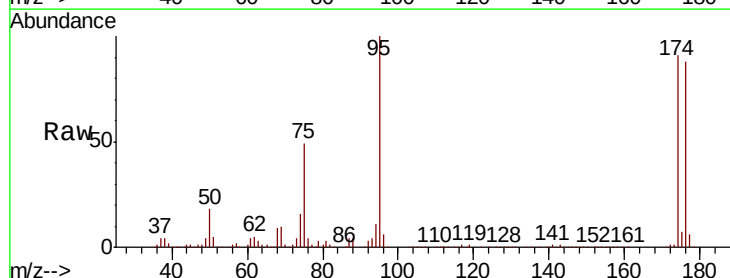
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-717

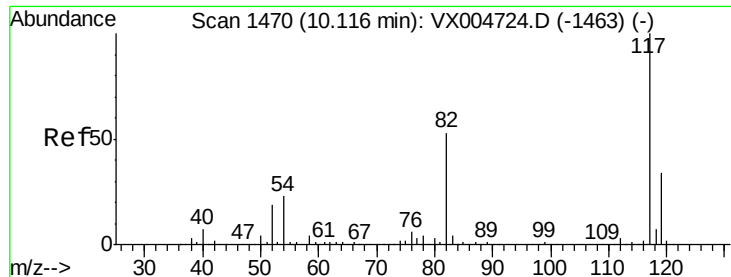
Tot Ion: 63 Resp: 22
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 52.351 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

Tgt Ion: 95 Resp: 202403
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 185.2
 176 87.7 0.0 178.6

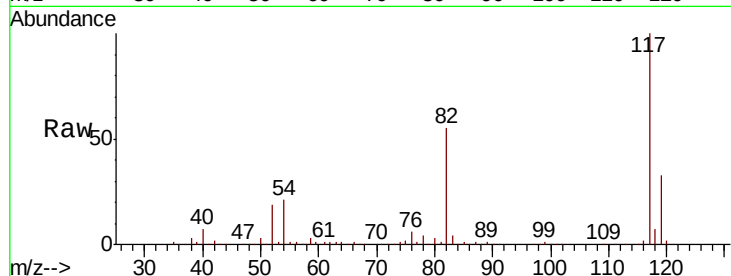




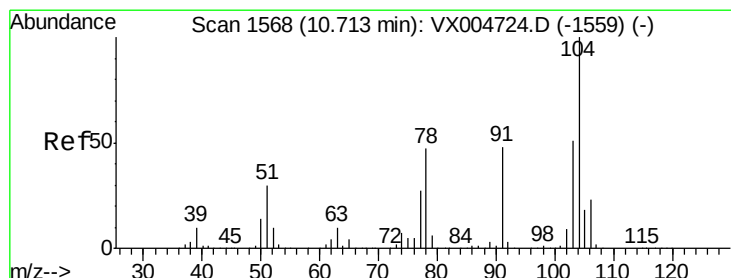
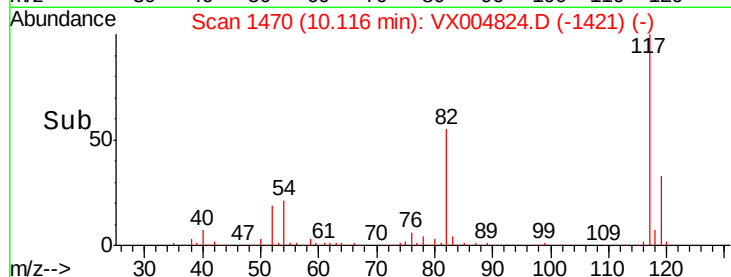
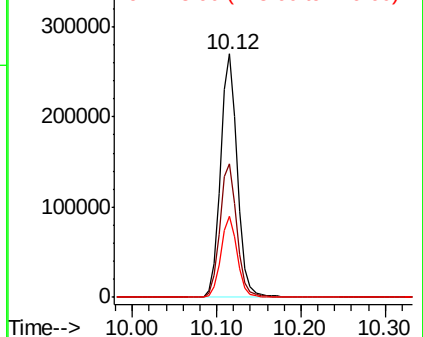
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004824.D
Acq: 28 Sep 2018 16:32

Instrument :
MSVOA_X
ClientSampled :
MH-717

Tot Ion:117 Resp: 372601
Ion Ratio Lower Upper
117 100
82 55.1 47.8 71.6
119 33.3 29.3 43.9

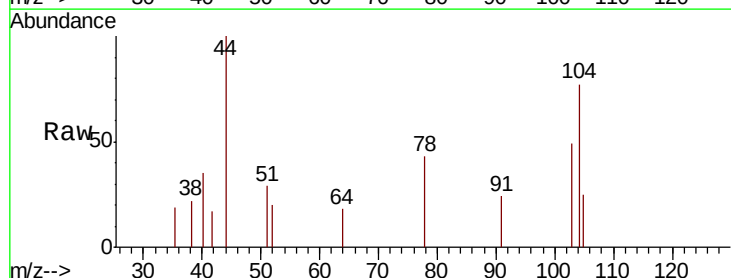


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

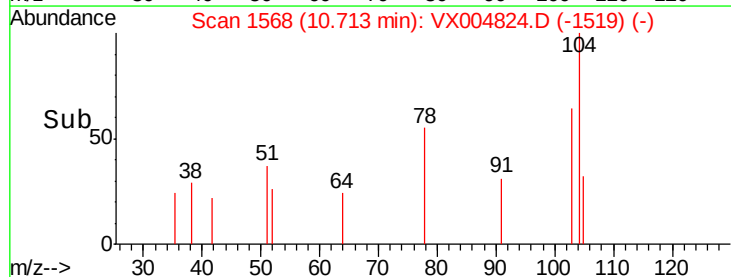
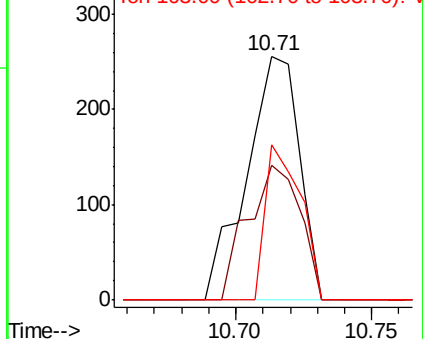


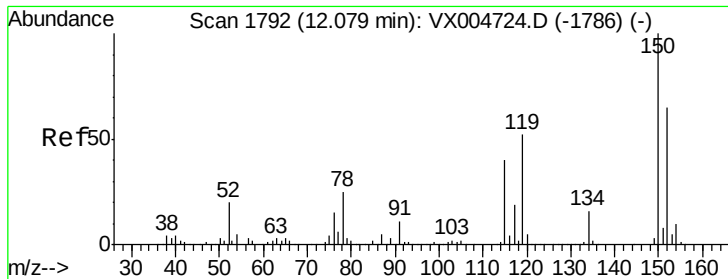
#70
Styrene
Concen: 2.173 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004824.D
Acq: 28 Sep 2018 16:32

Tgt Ion:104 Resp: 346
Ion Ratio Lower Upper
104 100
78 54.6 37.4 56.0
103 42.2 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

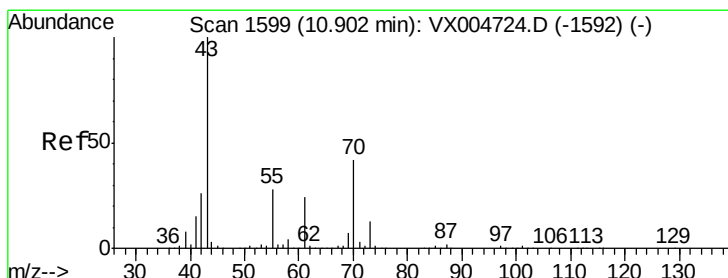
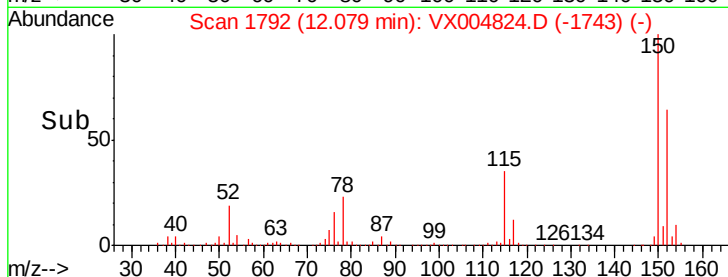
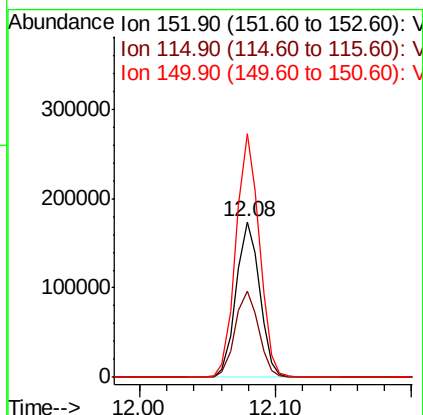
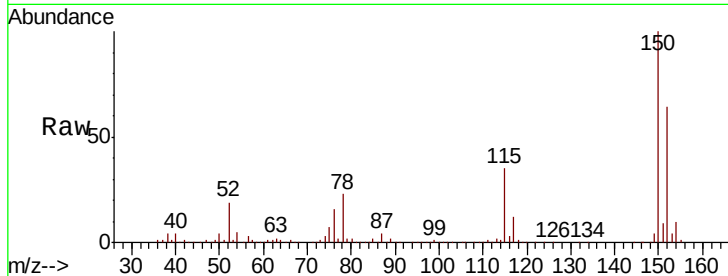




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

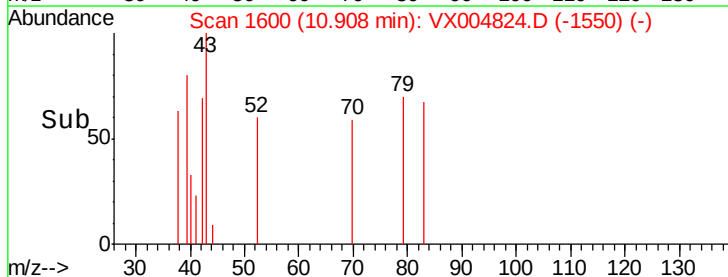
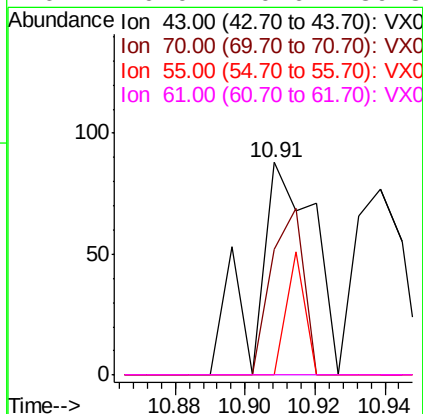
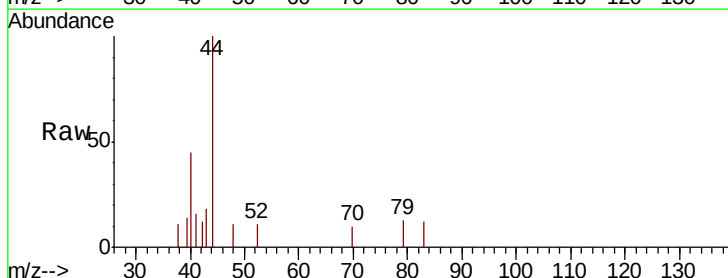
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-717

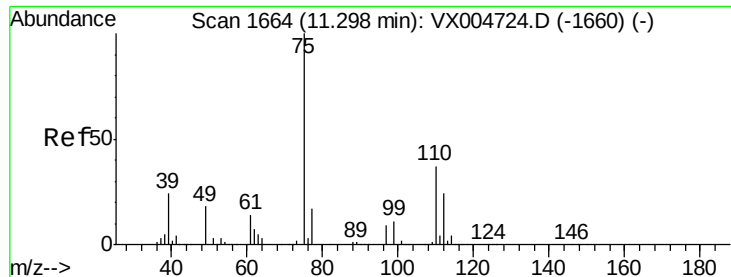
Tot Ion:152 Resp: 210285
 Ion Ratio Lower Upper
 152 100
 115 55.6 39.0 117.0
 150 155.1 0.0 351.0



#74
 N-ethyl acetate
 Concen: 1.761 ug/l
 RT: 10.91 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

Tgt Ion: 43 Resp: 102
 Ion Ratio Lower Upper
 43 100
 70 0.0 37.4 56.0#
 55 18.6 21.8 32.8#
 61 0.0 20.6 30.8#

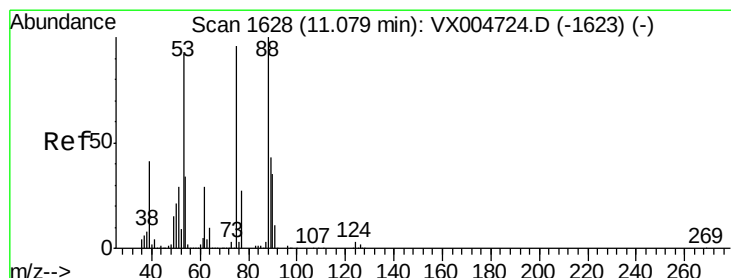
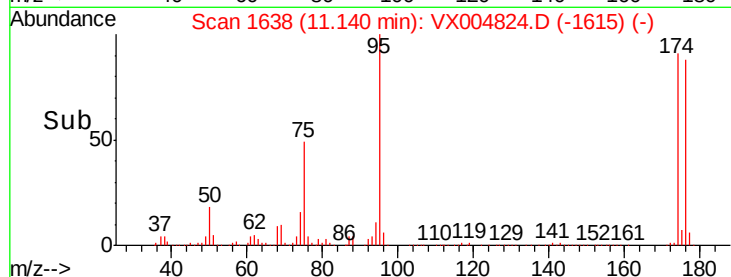
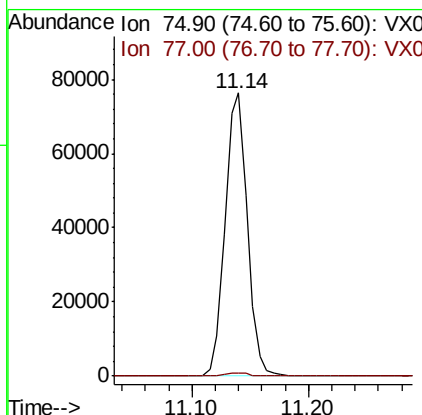
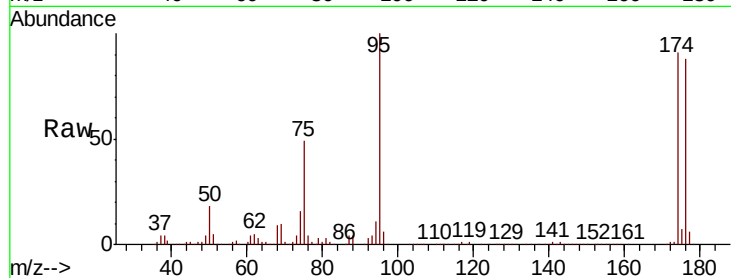




#76
 1,2,3-Trichloropropane
 Concen: 21.360 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

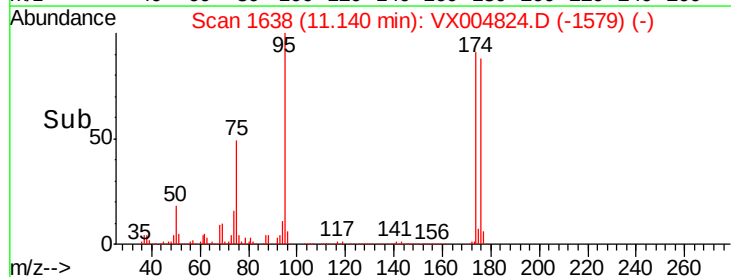
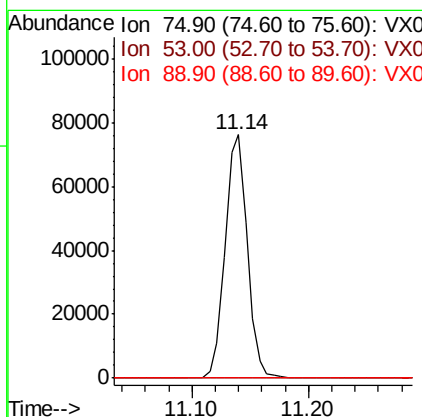
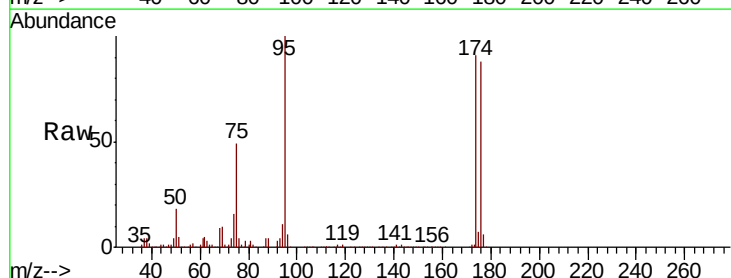
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-717

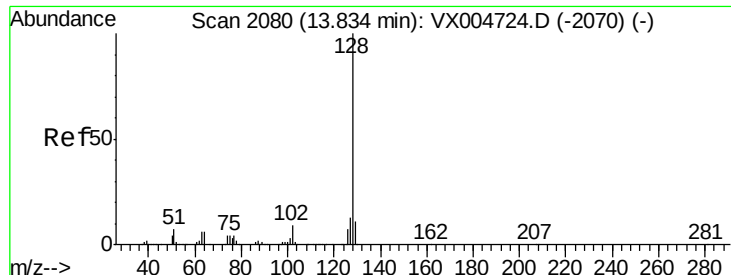
Tot Ion: 75 Resp: 100676
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.929 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004824.D
 Acq: 28 Sep 2018 16:32

Tgt Ion: 75 Resp: 100676
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.1 37.2 55.8#





#95

Naphthalene

Concen: 0.758 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004824.D

Acq: 28 Sep 2018 16:32

Instrument :

MSVOA_X

ClientSampleId :

MH-717

Tot Ion:128 Resp: 685

Ion Ratio Lower Upper

128 100

127 6.0 10.2 15.2#

129 7.0 8.6 12.8#

