

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004823.D
 Acq On : 28 Sep 2018 16:05
 Operator : JC/MD
 Sample : J5085-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-719

Quant Time: Sep 29 06:25:51 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	228621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369541	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201243	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	177771	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
35) Dibromofluoromethane	5.50	113	147753	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.72	98	533941	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.14	95	193436	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

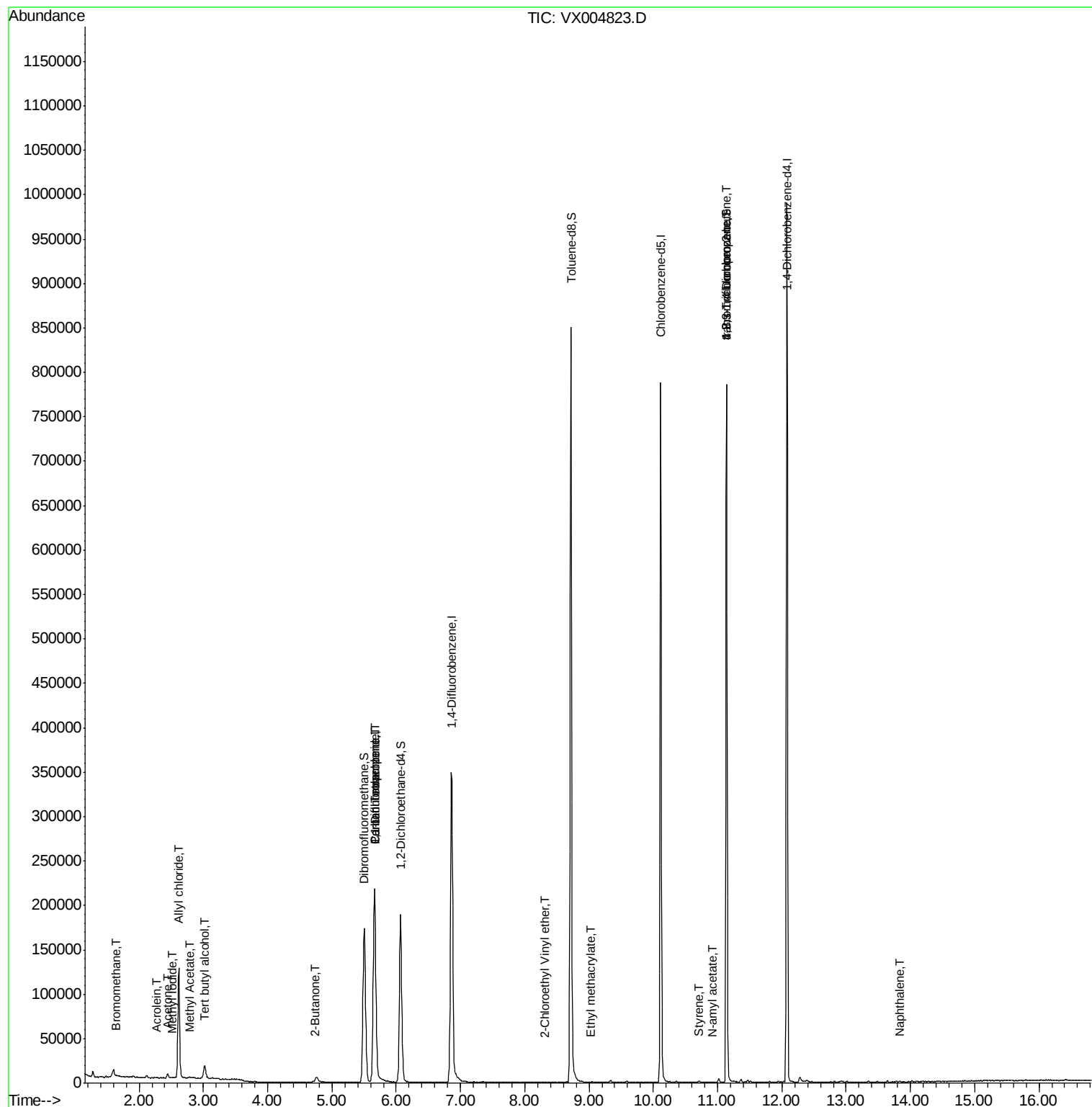
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	439	0.209	ug/l	92
6) Chloroethane	1.59	64	3626	Below Cal	#	58
10) Methyl Iodide	2.51	142	799	0.239	ug/l #	63
11) Tert butyl alcohol	3.02	59	10434	11.426	ug/l #	79
13) Acrolein	2.28	56	226	0.348	ug/l #	11
14) Allyl chloride	2.62	41	11705	2.166	ug/l #	62
16) Acetone	2.45	43	5788	3.036	ug/l	97
18) Methyl Acetate	2.78	43	993	0.206	ug/l #	82
20) Methylene Chloride	2.87	84	501	Below Cal	#	72
25) 2-Butanone	4.73	43	932	0.332	ug/l #	86
36) 1,1-Dichloropropene	5.67	75	16019	3.749	ug/l #	45
38) Carbon Tetrachloride	5.67	117	20838	4.639	ug/l #	16
56) Ethyl methacrylate	9.02	69	19	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	49	14.259	ug/l #	45
70) Styrene	10.72	104	743	2.212	ug/l #	84
74) N-amyl acetate	10.91	43	224	1.779	ug/l #	46
76) 1,2,3-Trichloropropane	11.14	75	95824	21.244	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	320	Below Cal		91
81) trans-1,4-Dichloro-2-buten	11.14	75	95824	57.625	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	386	Below Cal		89
95) Naphthalene	13.83	128	925	0.774	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\
Data File : VX004823.D
Acq On : 28 Sep 2018 16:05
Operator : JC/MD
Sample : J5085-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-719

Quant Time: Sep 29 06:25:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

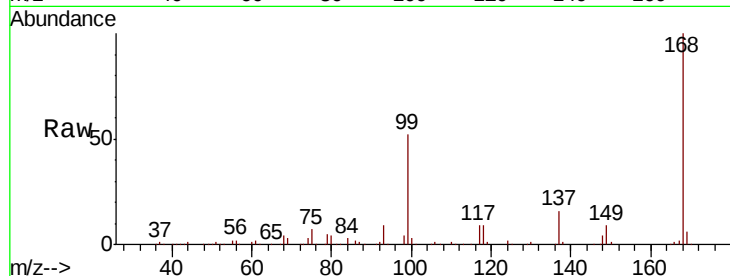
MH-719

Tot Ion:168 Resp: 228621

Ion Ratio Lower Upper

168 100

99 51.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

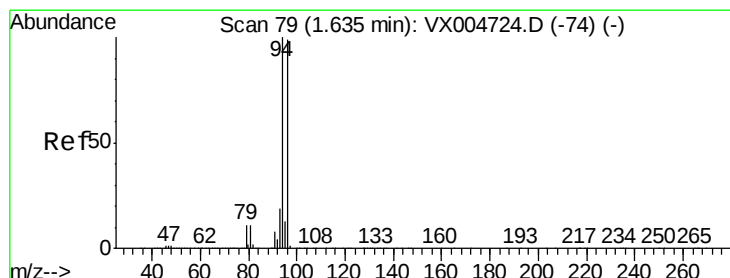
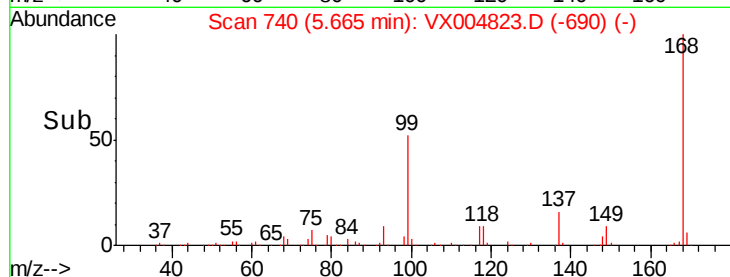
20000

0

5.67

5.80

Time-->



#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004823.D

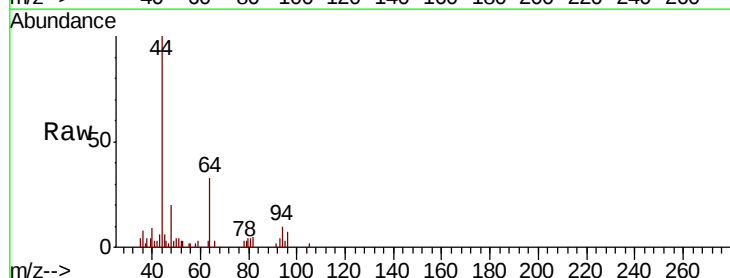
Acq: 28 Sep 2018 16:05

Tgt Ion: 94 Resp: 439

Ion Ratio Lower Upper

94 100

96 85.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

200

100

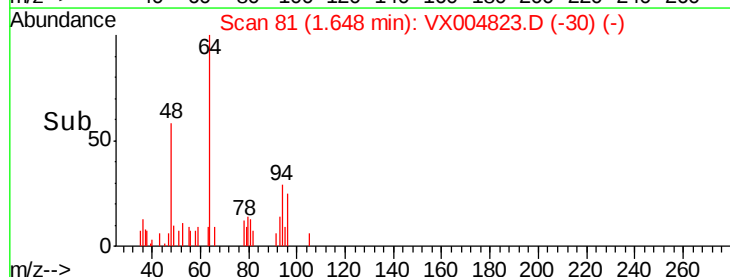
0

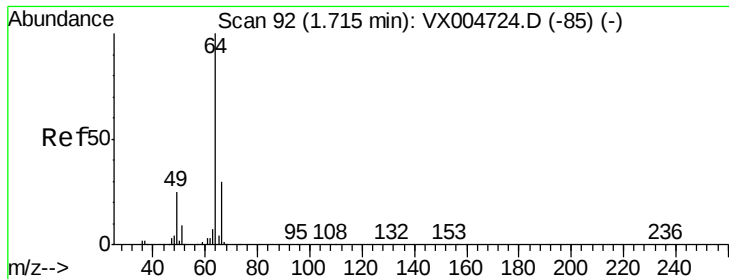
1.60

1.65

1.70

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

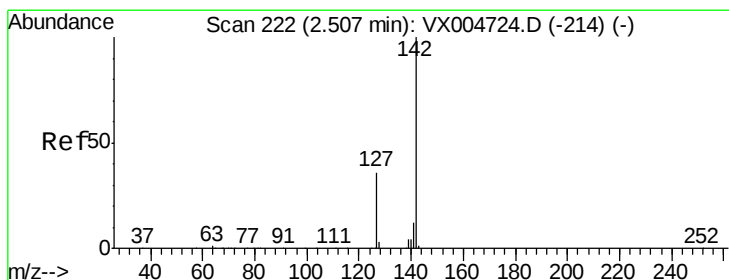
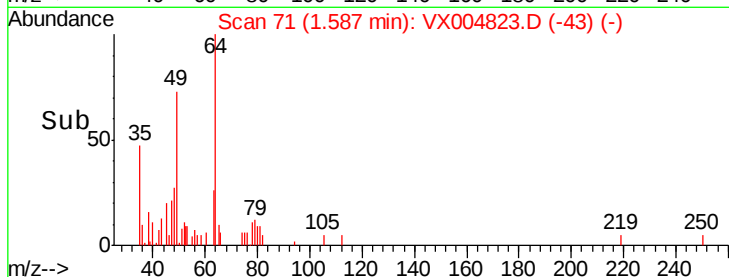
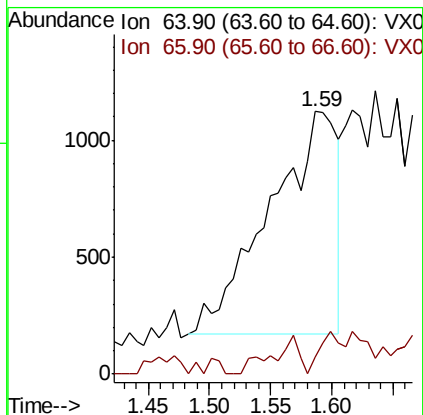
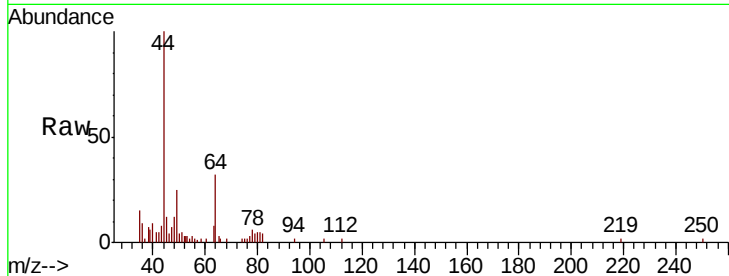
MH-719

Tot Ion: 64 Resp: 3626

Ion Ratio Lower Upper

64 100

66 7.6 24.6 36.8#



#10

Methyl Iodide

Concen: 0.239 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

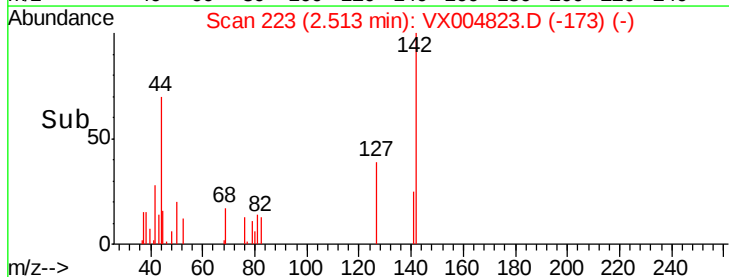
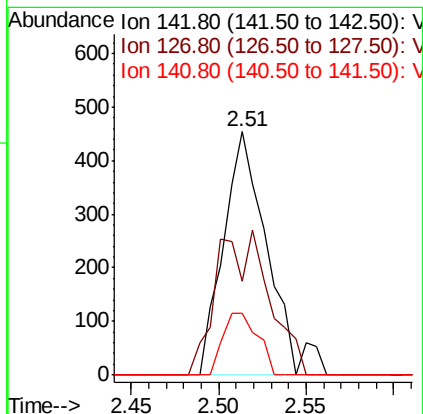
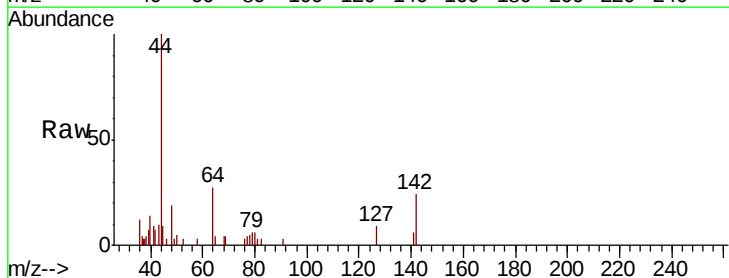
Tgt Ion: 142 Resp: 799

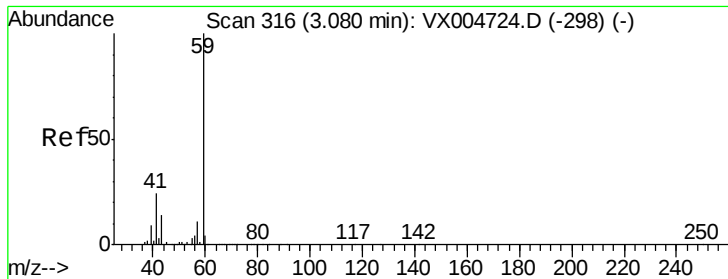
Ion Ratio Lower Upper

142 100

127 70.3 33.8 50.6#

141 19.8 11.4 17.0#



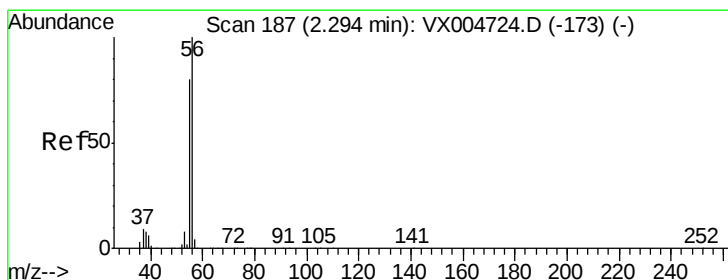
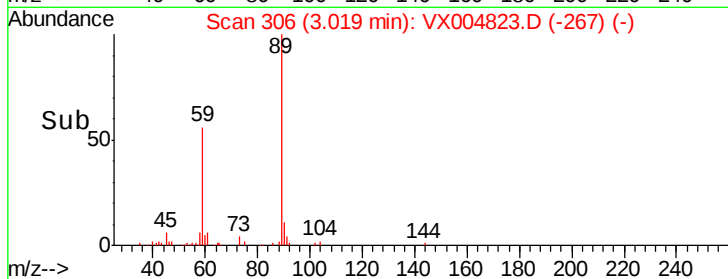
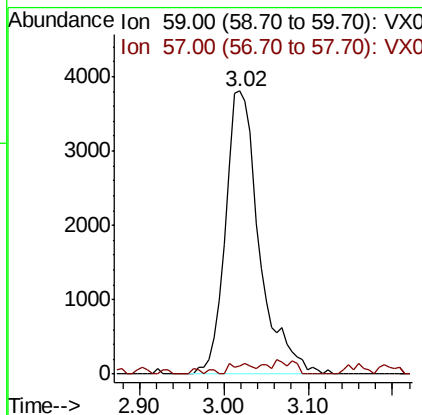
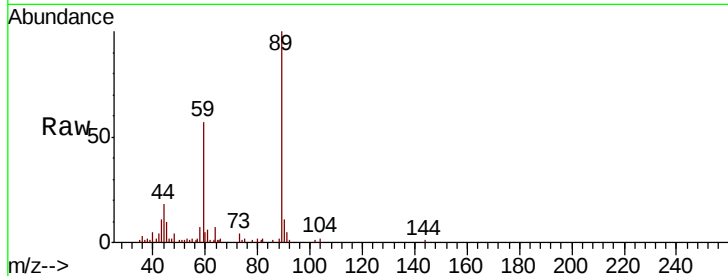


#11

Tert butyl alcohol
 Concen: 11.426 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

Instrument :
 MSVOA_X
 ClientSampled :
 MH-719

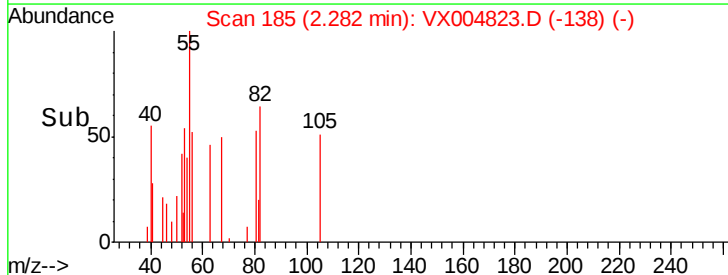
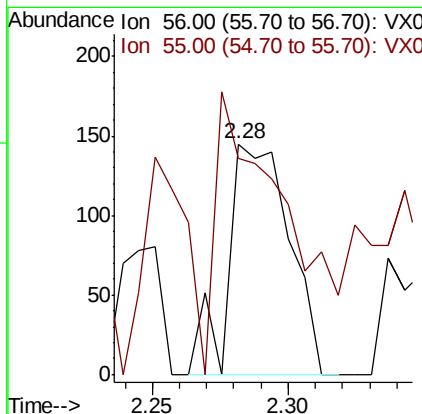
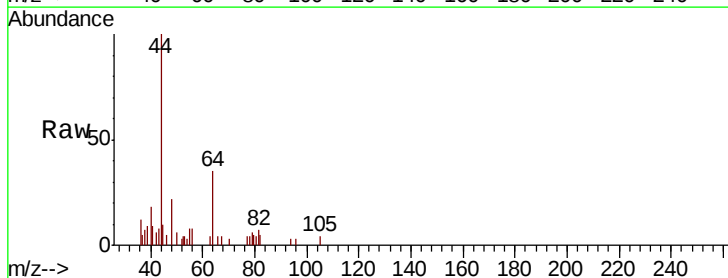
Tot Ion: 59 Resp: 10434
 Ion Ratio Lower Upper
 59 100
 57 2.4 8.2 12.4#

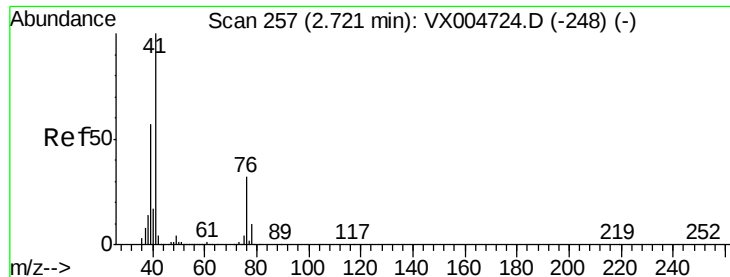


#13

Acrolein
 Concen: 0.348 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

Tgt Ion: 56 Resp: 226
 Ion Ratio Lower Upper
 56 100
 55 140.7 54.7 82.1#





#14

Allvl chloride

Concen: 2.166 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

MH-719

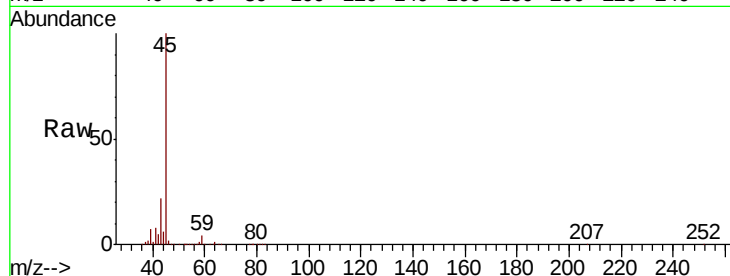
Tot Ion: 41 Resp: 11705

Ion Ratio Lower Upper

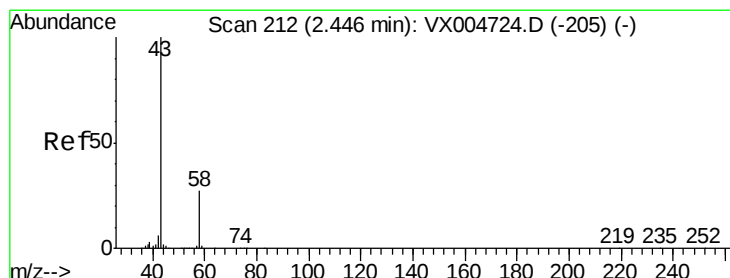
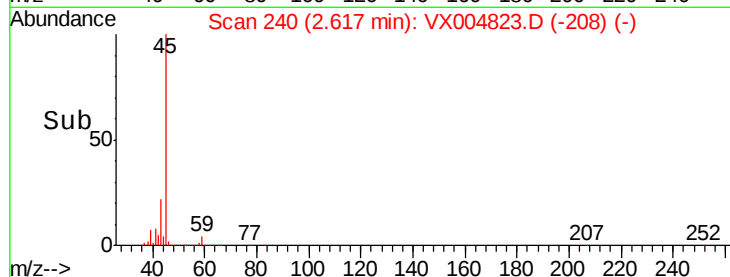
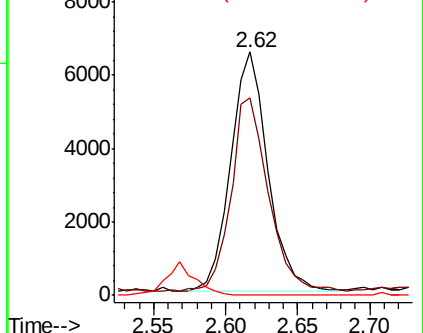
41 100

39 81.3 48.9 73.3#

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 3.036 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004823.D

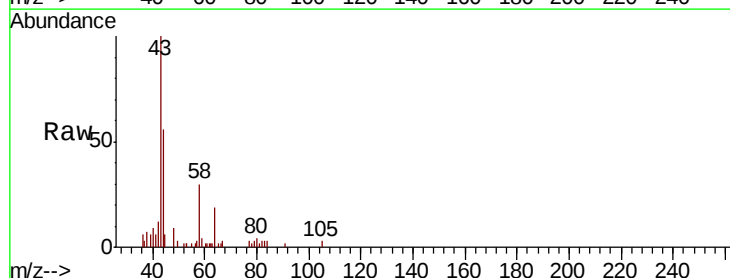
Acq: 28 Sep 2018 16:05

Tgt Ion: 43 Resp: 5788

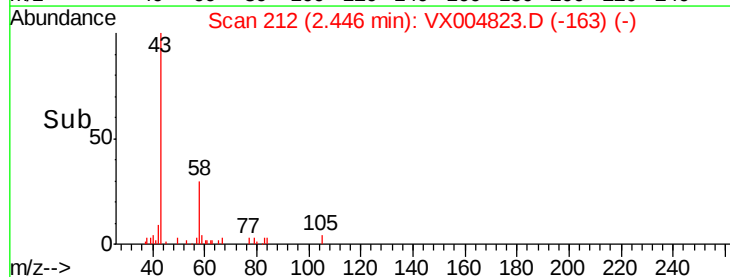
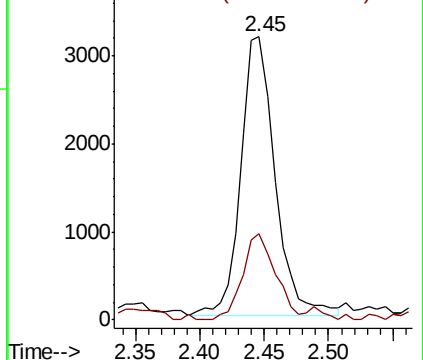
Ion Ratio Lower Upper

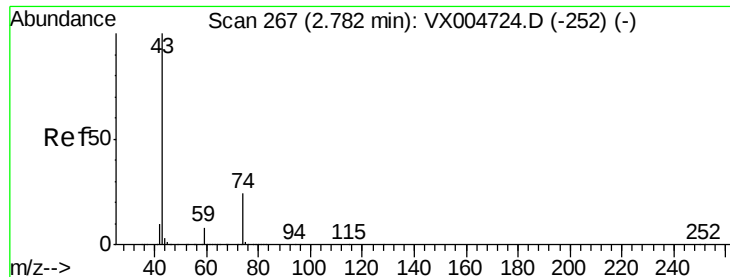
43 100

58 30.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

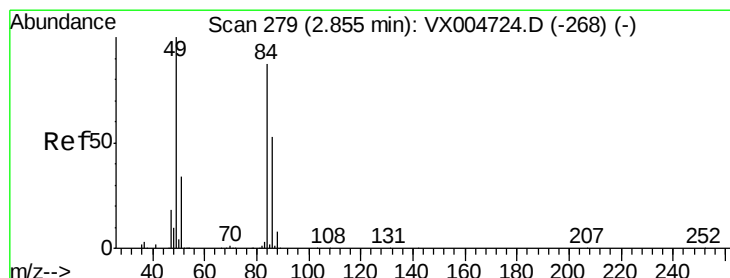
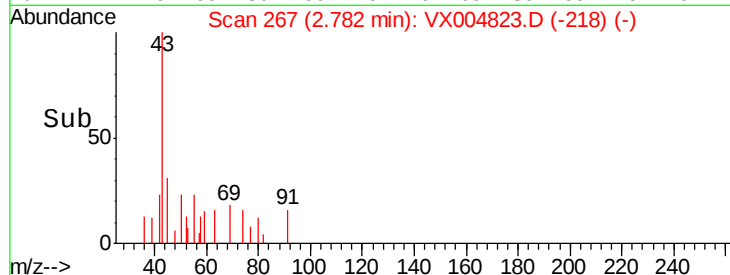
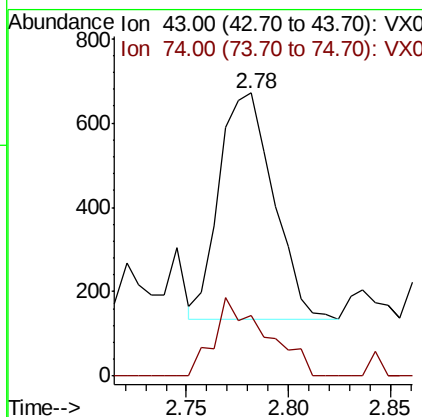
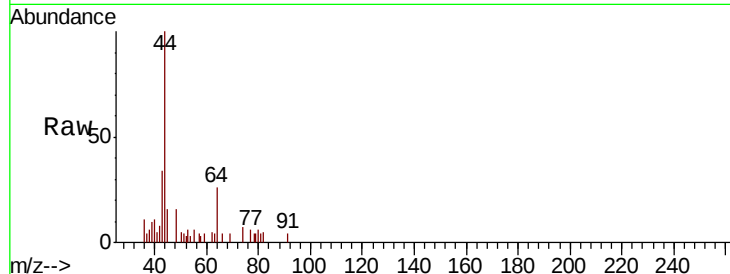




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

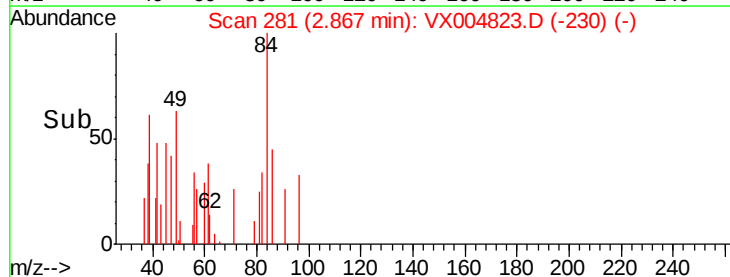
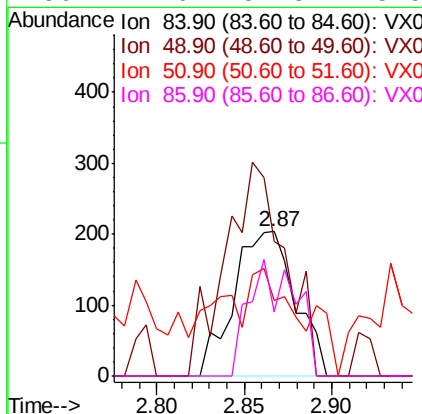
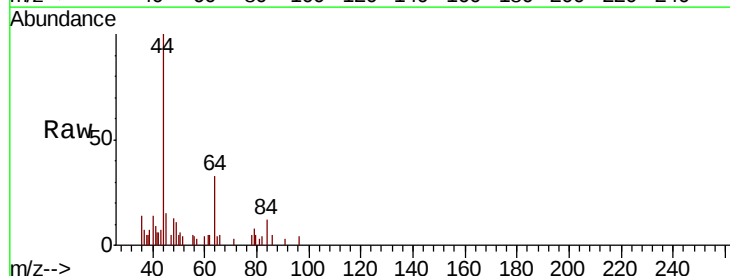
Instrument :
MSVOA_X
ClientSampled :
MH-719

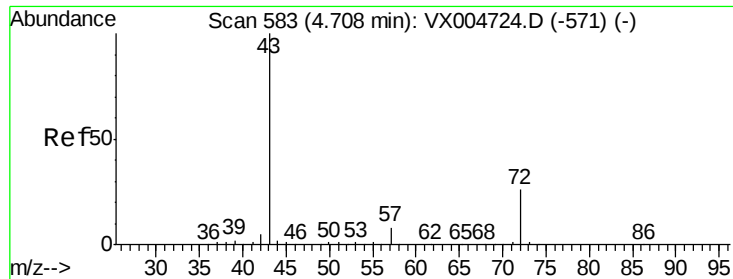
Tot Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
74 33.2 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

Tgt Ion: 84 Resp: 501
Ion Ratio Lower Upper
84 100
49 93.1 101.2 151.8#
51 52.0 29.5 44.3#
86 44.6 52.3 78.5#

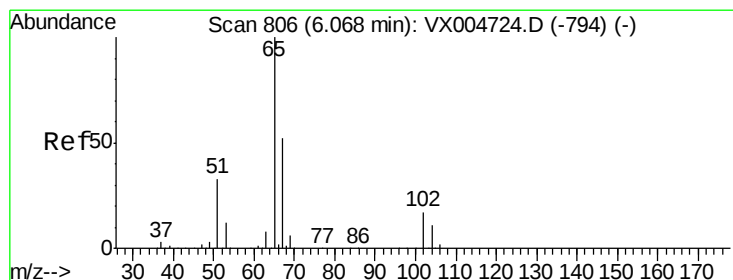
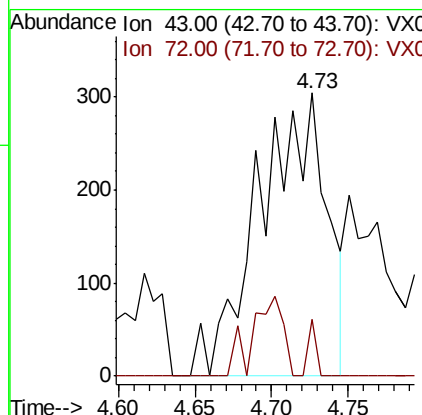
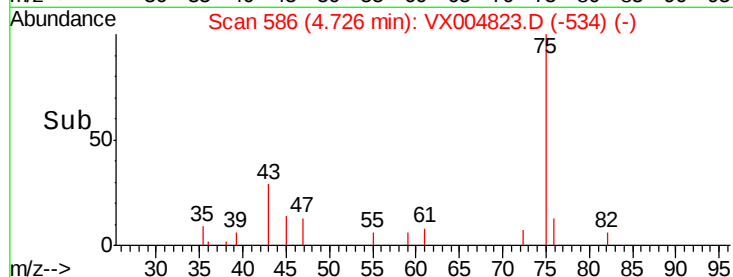
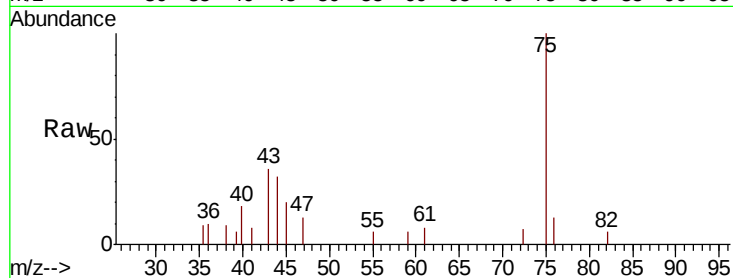




#25
2-Butanone
Concen: 0.332 ug/l
RT: 4.73 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

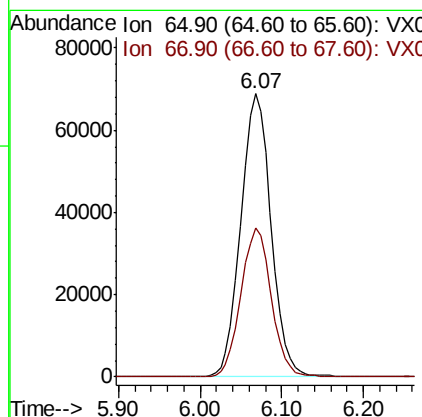
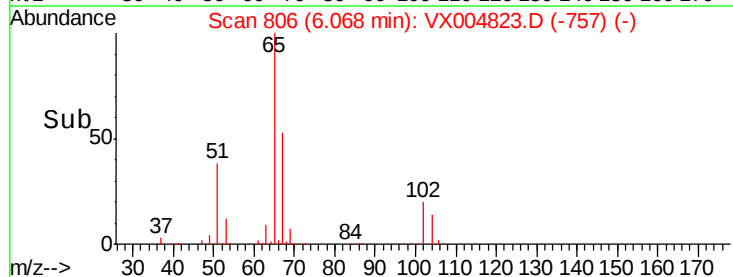
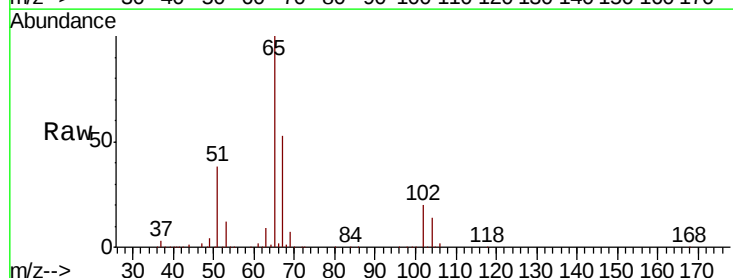
Instrument :
MSVOA_X
ClientSampleId :
MH-719

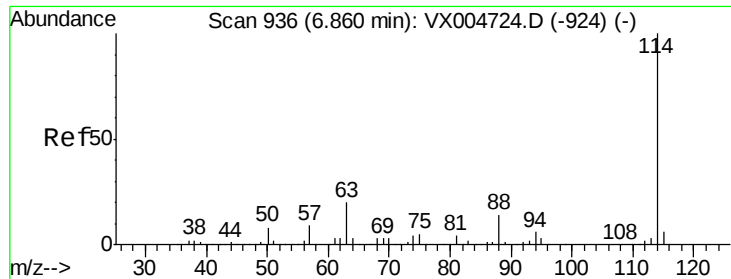
Tot Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
72 20.1 22.0 33.0#



#33
1,2-Dichloroethane-d4
Concen: 54.433 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

Tgt Ion: 65 Resp: 177771
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

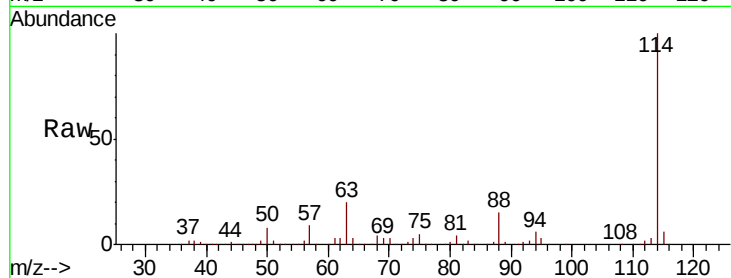




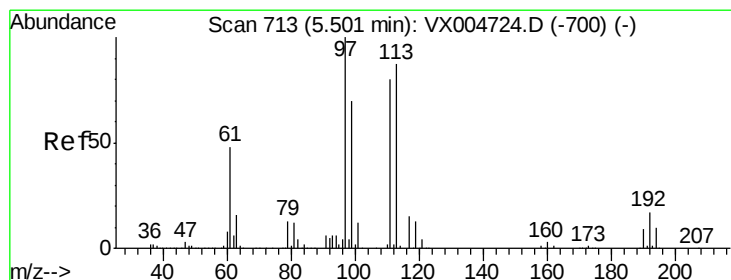
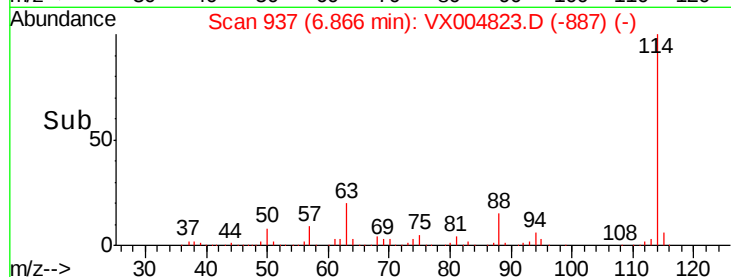
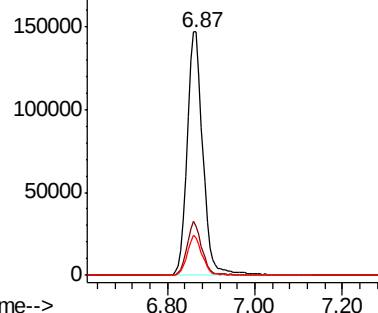
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-719

Tot Ion:114 Resp: 369541
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.5 0.0 30.4

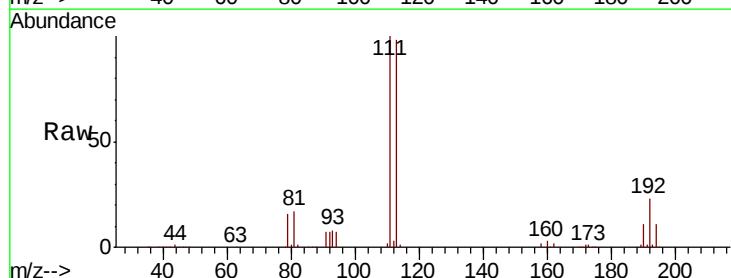


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

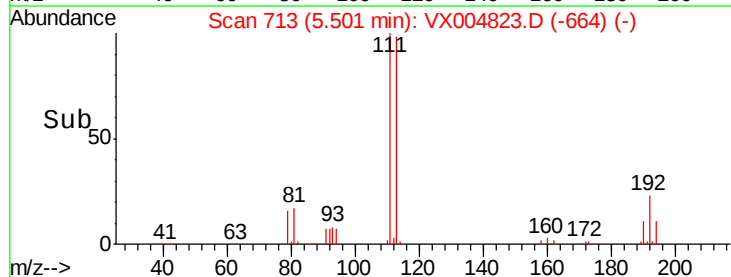
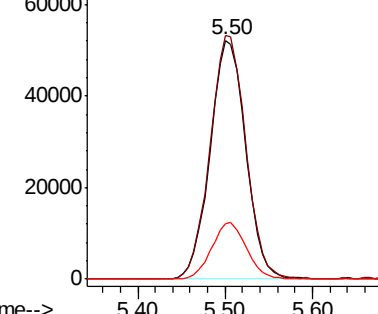


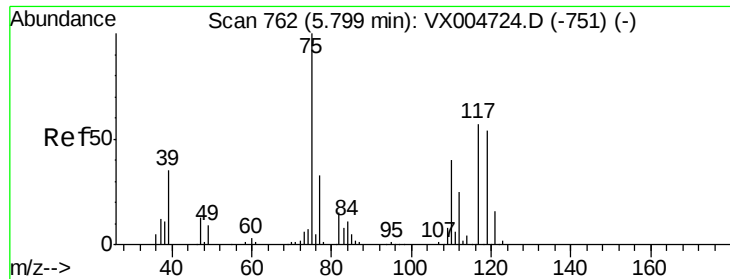
#35
 Dibromofluoromethane
 Concen: 47.177 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

Tgt Ion:113 Resp: 147753
 Ion Ratio Lower Upper
 113 100
 111 102.6 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: 3.749 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampled :

MH-719

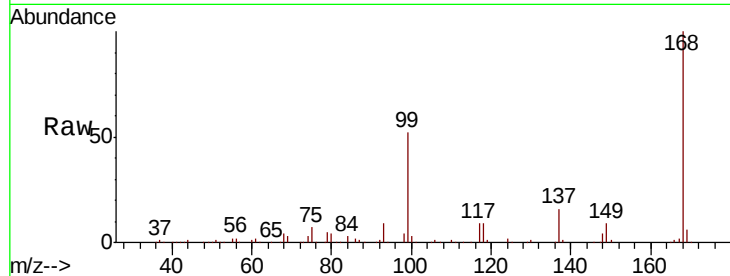
Tot Ion: 75 Resp: 16019

Ion Ratio Lower Upper

75 100

110 4.5 18.0 54.0#

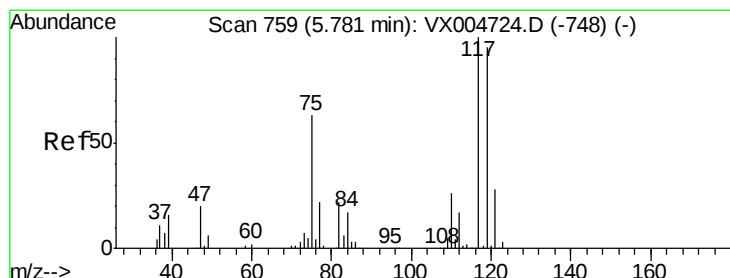
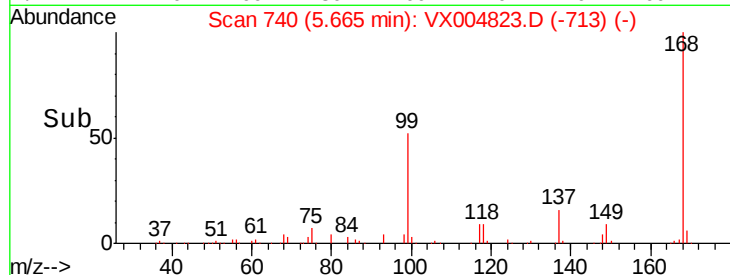
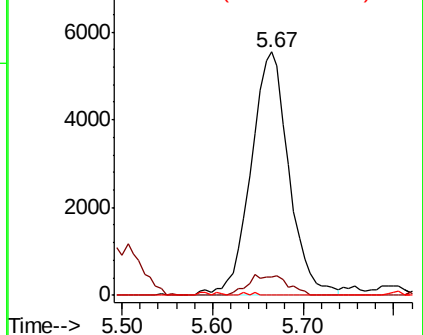
77 0.3 24.6 36.8#



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: 4.639 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

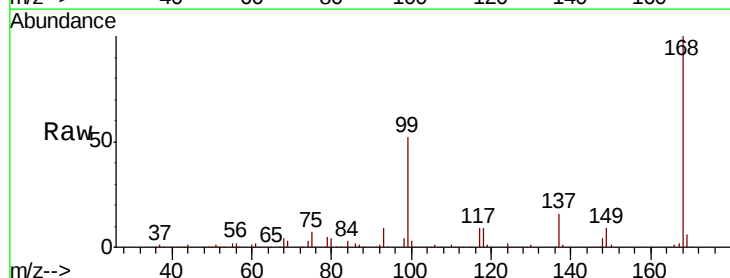
Tgt Ion: 117 Resp: 20838

Ion Ratio Lower Upper

117 100

119 7.1 78.8 118.2#

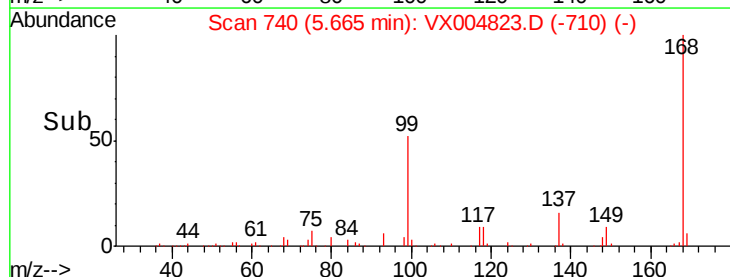
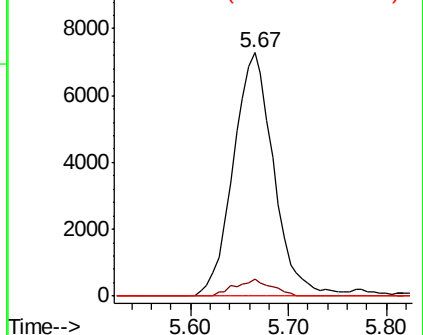
121 0.0 24.9 37.3#

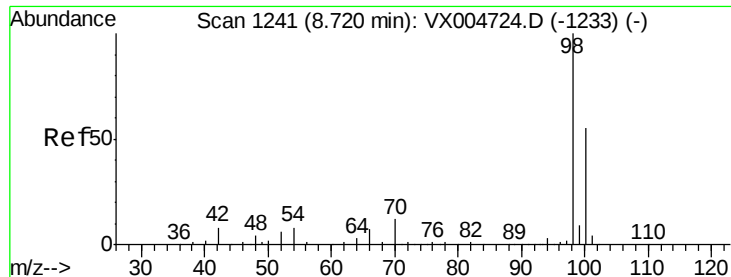


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

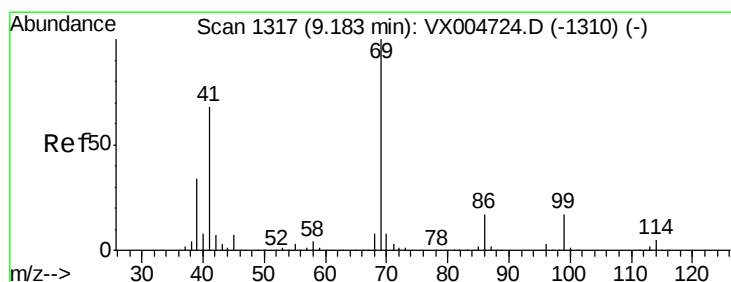
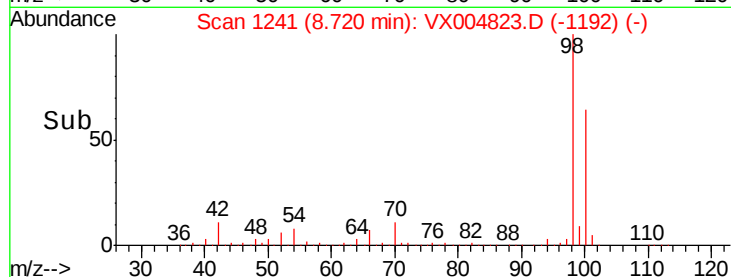
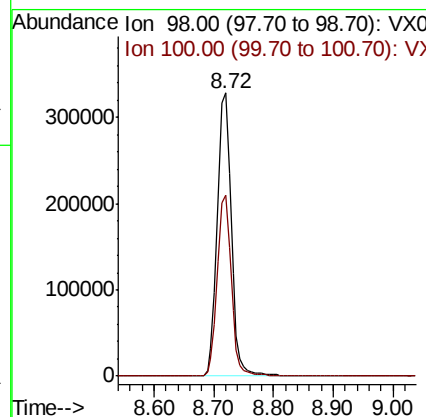
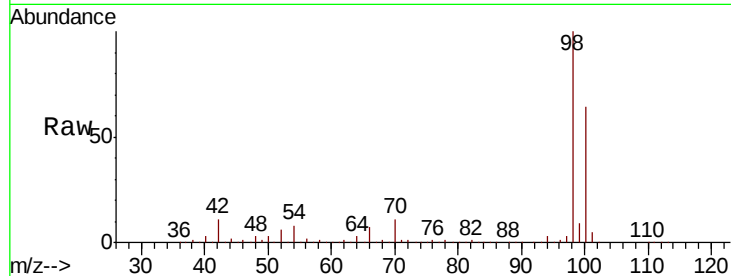




#50
Toluene-d8
Concen: 51.281 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

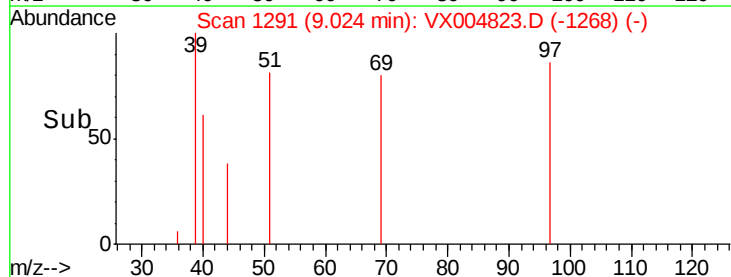
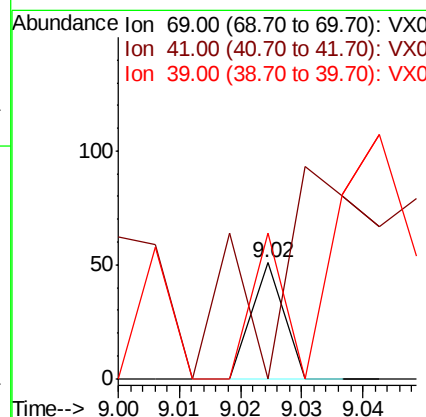
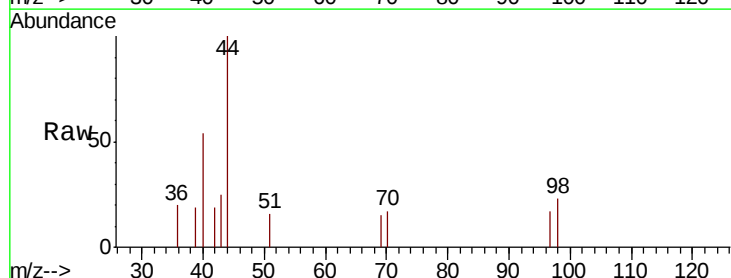
Instrument :
MSVOA_X
ClientSampled :
MH-719

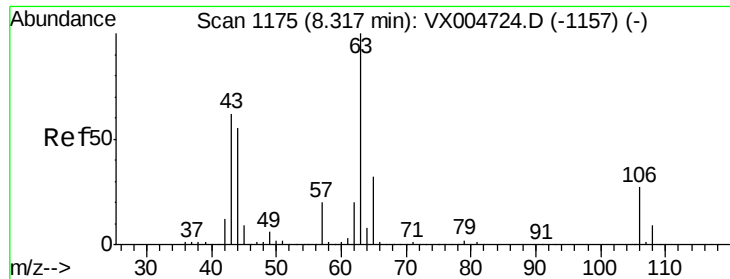
Tot Ion: 98 Resp: 533941
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 9.02 min Scan# 1291
Delta R.T. -0.16 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 110.5 26.1 39.1#

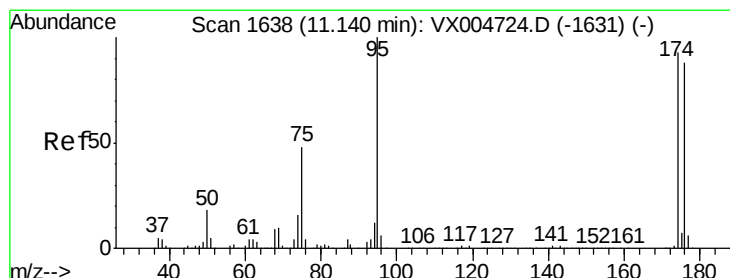
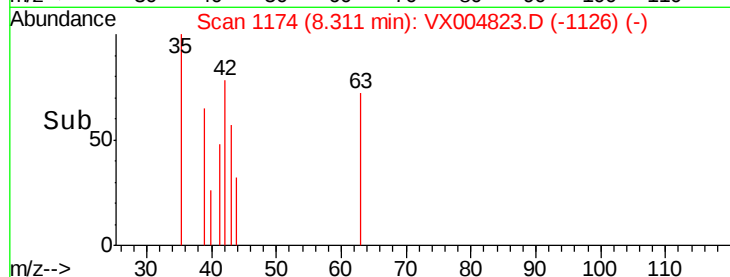
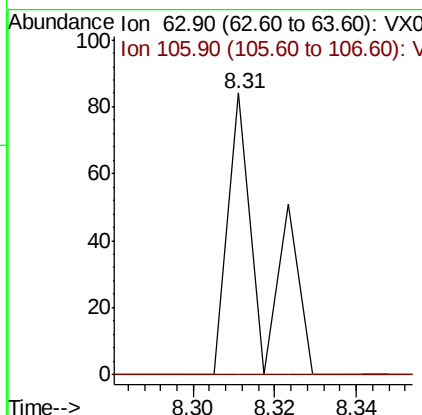
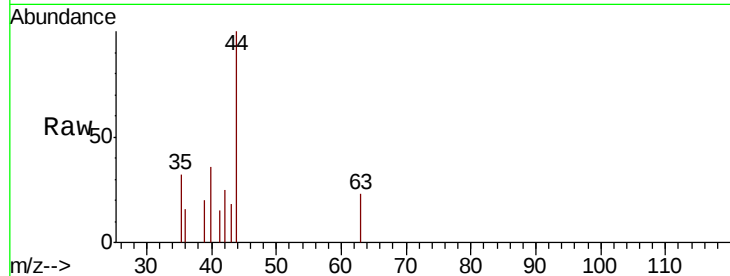




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.259 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

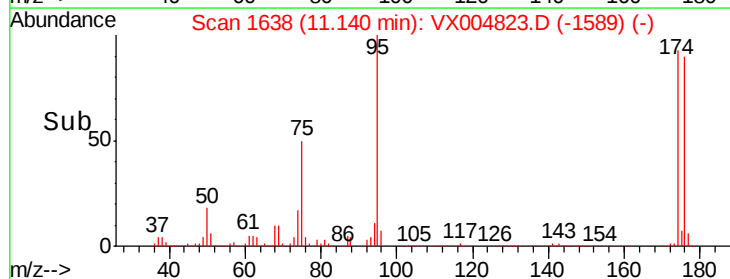
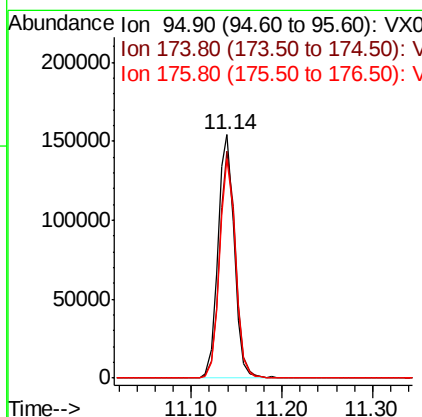
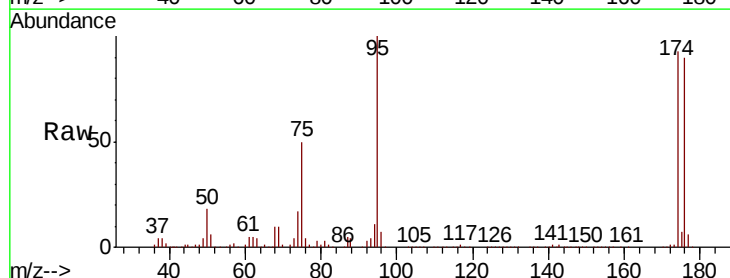
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-719

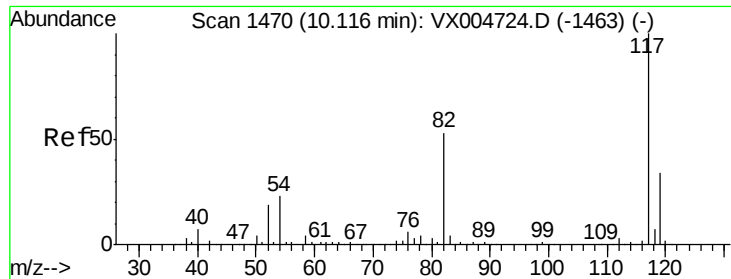
Tot Ion: 63 Resp: 49
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 51.569 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

Tgt Ion: 95 Resp: 193436
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 185.2
 176 88.3 0.0 178.6

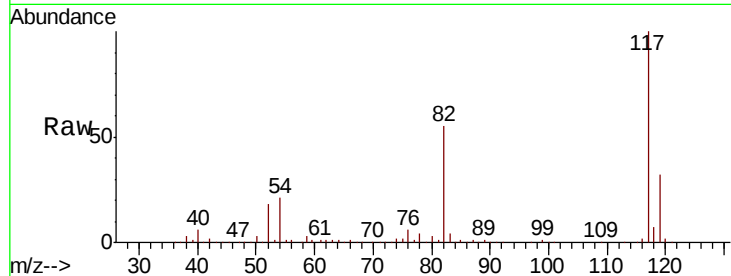




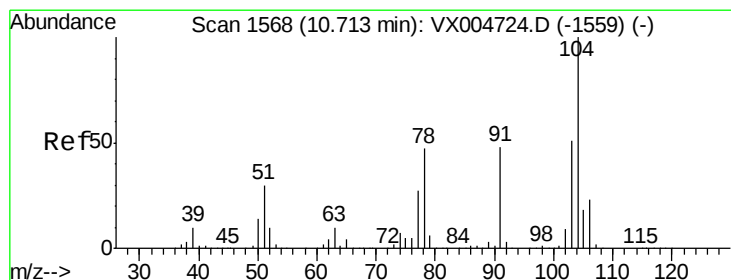
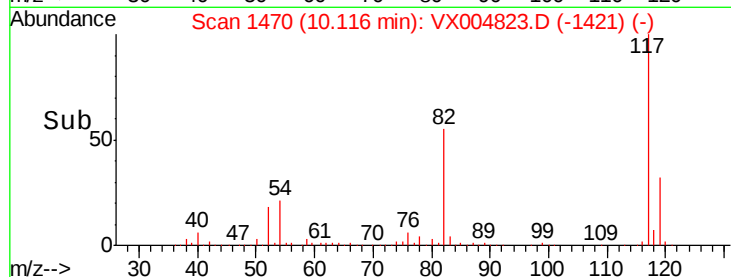
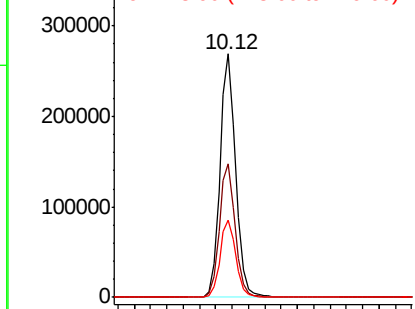
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

Instrument :
MSVOA_X
ClientSampled :
MH-719

Tot Ion:117 Resp: 362584
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 31.6 29.3 43.9

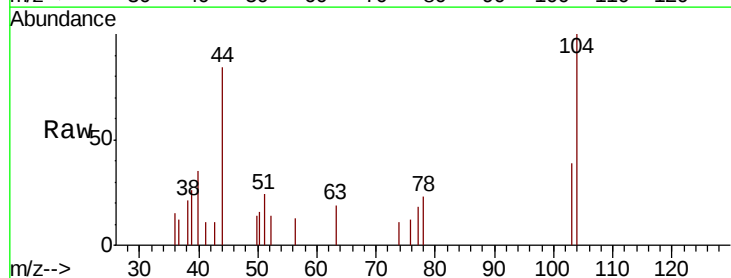


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

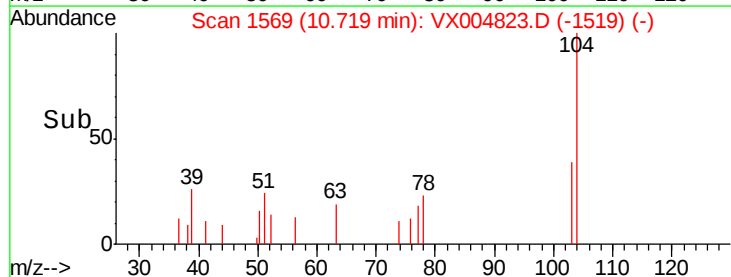
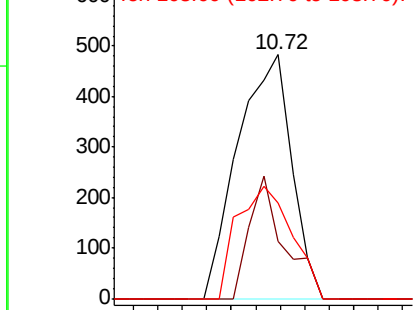


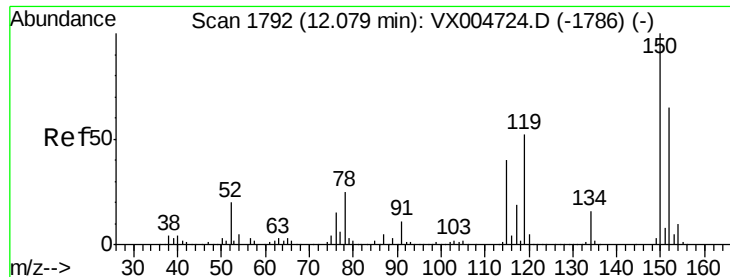
#70
Styrene
Concen: 2.212 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004823.D
Acq: 28 Sep 2018 16:05

Tgt Ion:104 Resp: 743
Ion Ratio Lower Upper
104 100
78 32.2 37.4 56.0#
103 46.6 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: VX004823.D

Acq: 28 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

MH-719

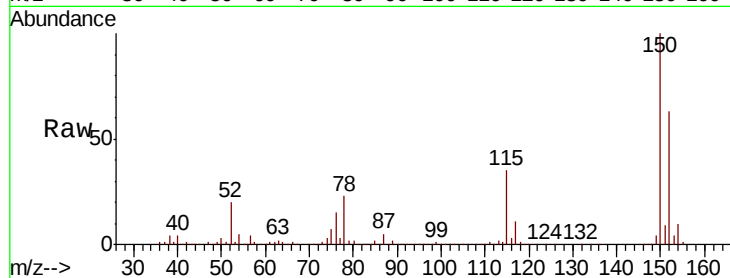
Tot Ion:152 Resp: 201243

Ion Ratio Lower Upper

152 100

115 56.2 39.0 117.0

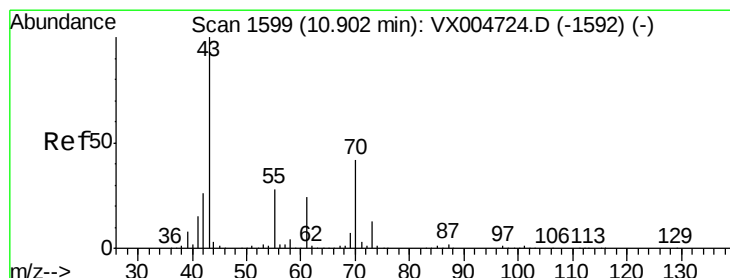
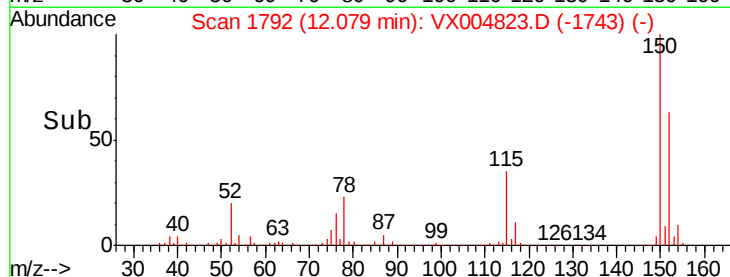
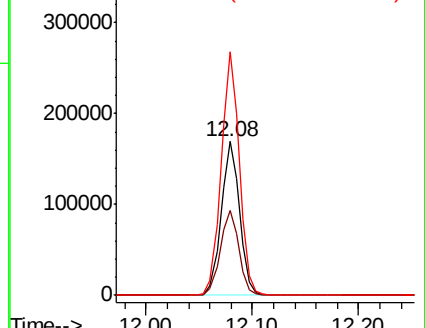
150 157.6 0.0 351.0



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: 1.779 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

Tgt Ion: 43 Resp: 224

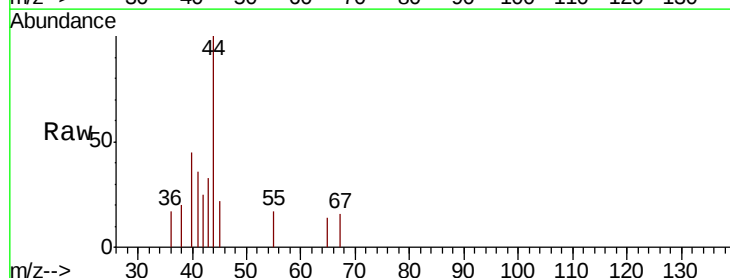
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 42.0 21.8 32.8#

61 0.0 20.6 30.8#

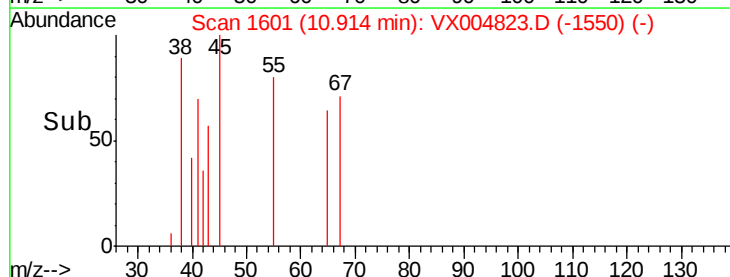
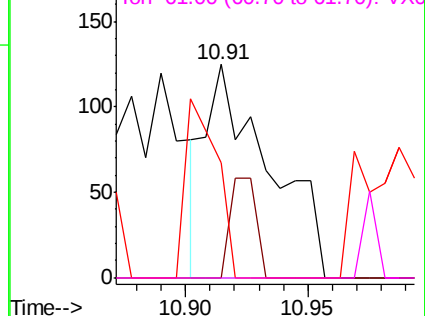


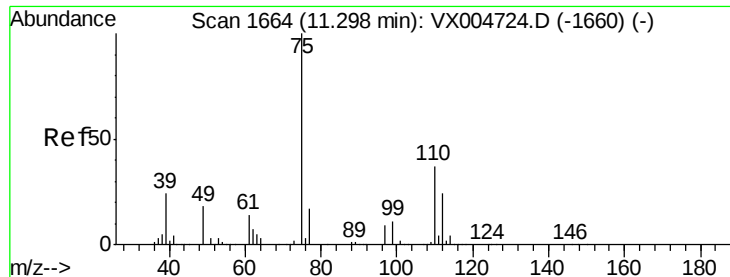
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

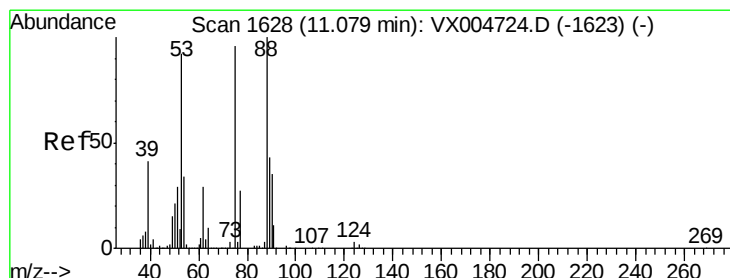
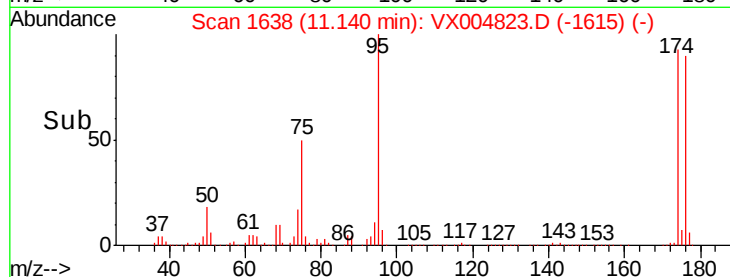
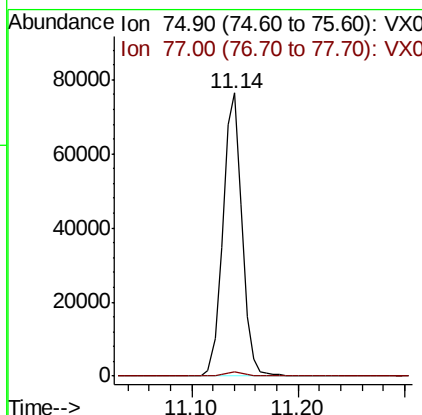
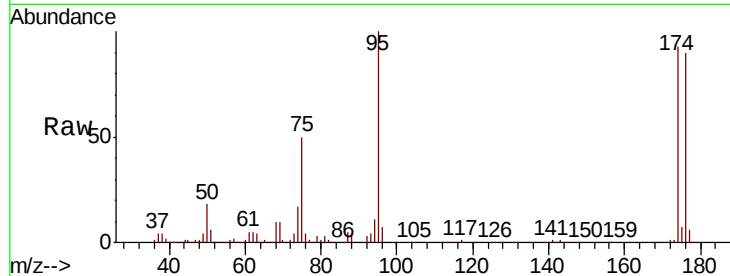




#76
 1,2,3-Trichloropropane
 Concen: 21.244 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

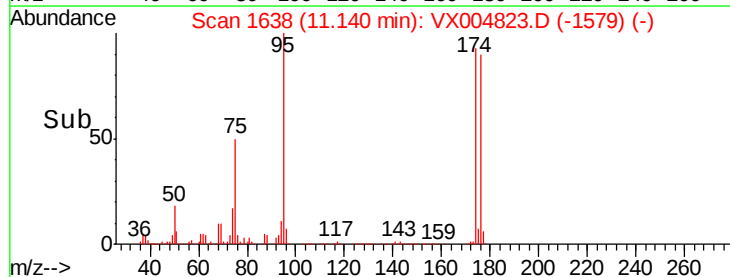
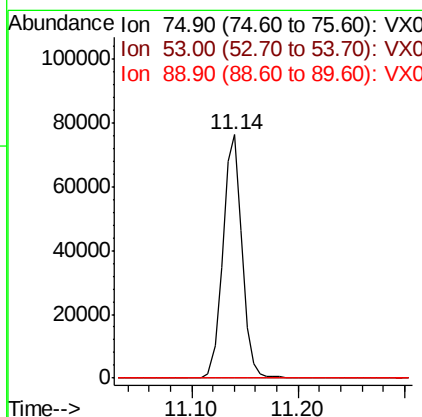
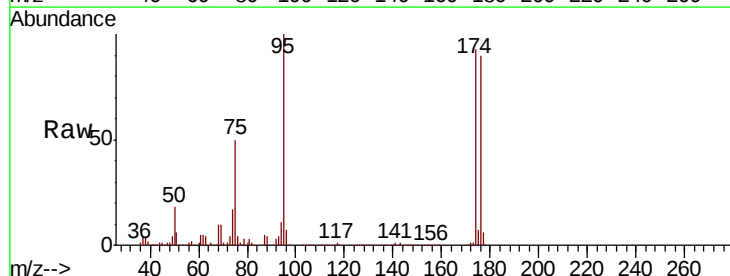
Instrument :
 MSVOA_X
 ClientSampled :
 MH-719

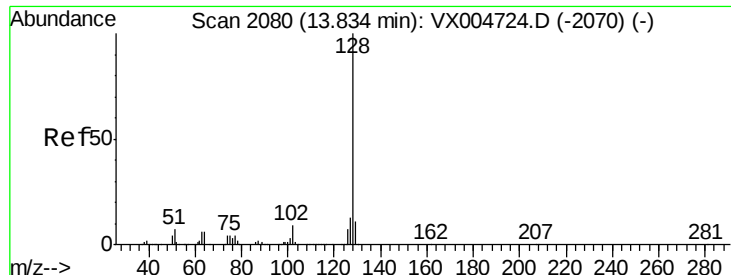
Tot Ion: 75 Resp: 95824
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.625 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004823.D
 Acq: 28 Sep 2018 16:05

Tgt Ion: 75 Resp: 95824
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.774 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004823.D

Acq: 28 Sep 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

MH-719

Tot Ion:128 Resp: 925

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 9.7 8.6 12.8

