

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004802.D
 Acq On : 28 Sep 2018 04:37
 Operator : JC/MD
 Sample : J5033-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW271-20180918

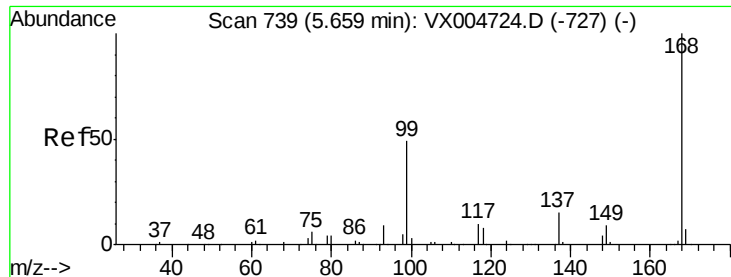
Quant Time: Sep 28 06:06:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	378951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213351	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	187321	56.41	ug/l	0.00
Spiked Amount			Recovery	=	112.82%	
35) Dibromofluoromethane	5.50	113	155243	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	8.72	98	563869	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.14	95	201634	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	490	Below Cal	#	44
11) Tert butyl alcohol	3.02	59	13267	14.290	ug/l #	76
13) Acrolein	2.29	56	154	0.233	ug/l #	27
14) Allyl chloride	2.61	41	8534	1.553	ug/l #	63
16) Acetone	2.45	43	2639	1.361	ug/l	100
20) Methylene Chloride	2.85	84	460	Below Cal	#	56
31) Cyclohexane	5.67	56	4632	1.096	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	16452	3.621	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21690	4.542	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	2688	0.490	ug/l #	1
56) Ethyl methacrylate	9.16	69	19	2.865	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.05	63	19	14.248	ug/l #	45
74) N-amyl acetate	10.89	43	22	1.751	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	100981	21.117	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	100981	57.292	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	126	Below Cal	#	30
95) Naphthalene	13.84	128	253	0.734	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004802.D

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ClientSampleId :

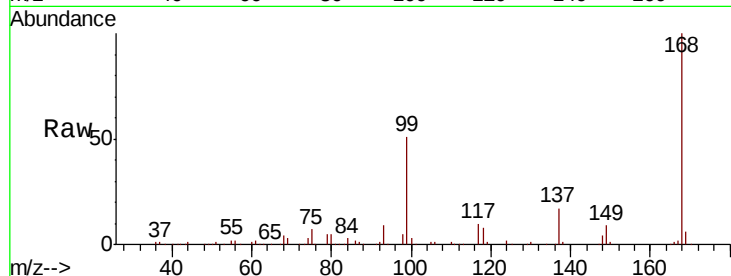
BP-HN-MW271-20180918

Tot Ion:168 Resp: 232446

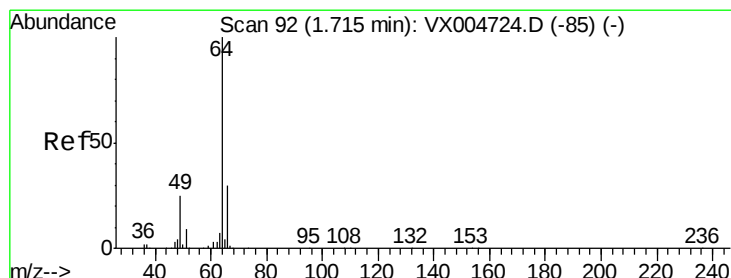
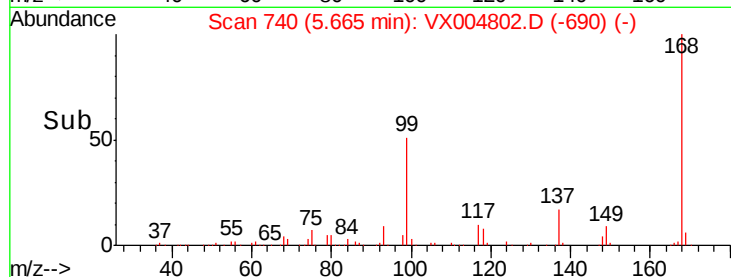
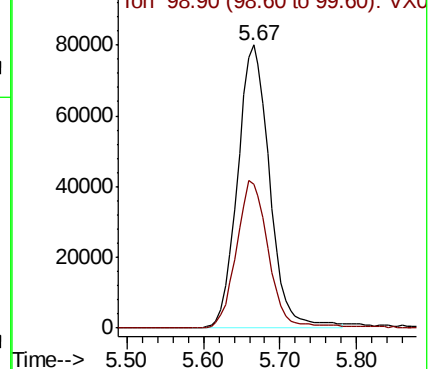
Ion Ratio Lower Upper

168 100

99 50.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX004802.D

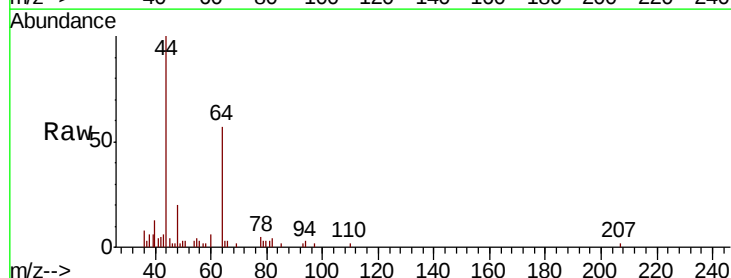
Acq: 28 Sep 2018 04:37

Tgt Ion: 64 Resp: 490

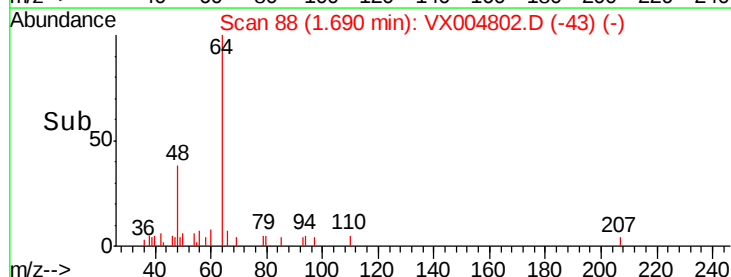
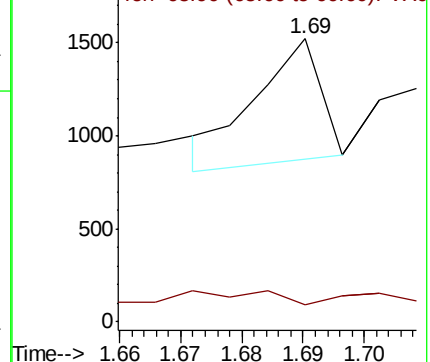
Ion Ratio Lower Upper

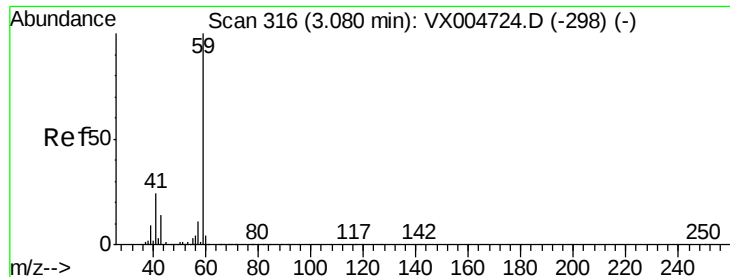
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

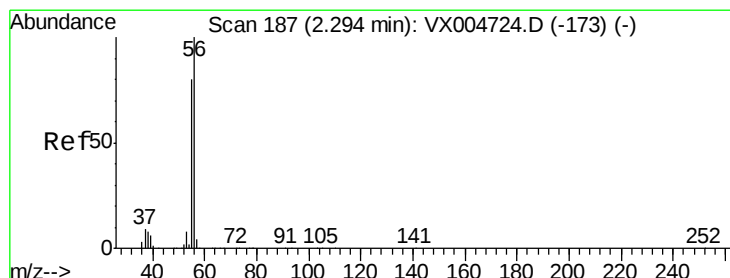
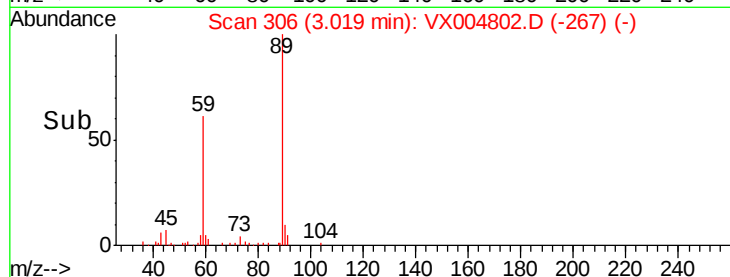
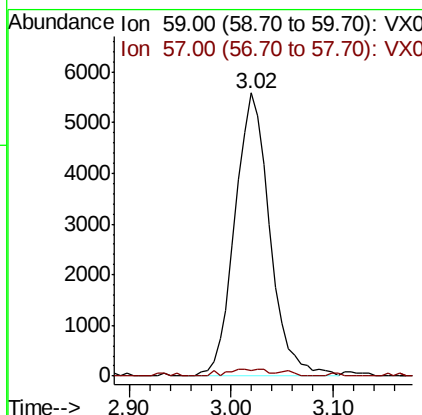
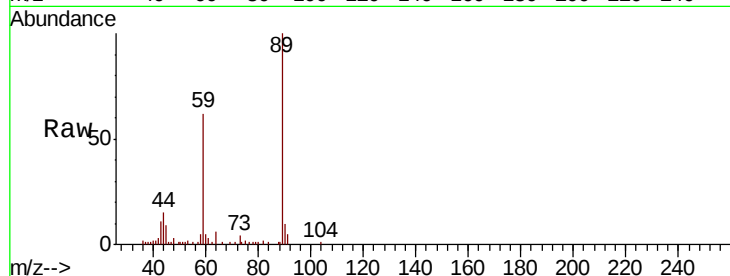




#11
Tert butyl alcohol
Concen: 14.290 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004802.D
Acq: 28 Sep 2018 04:37

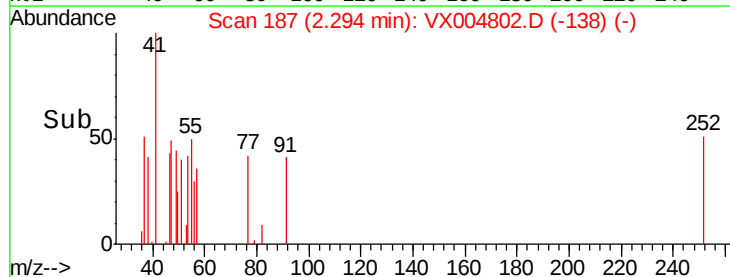
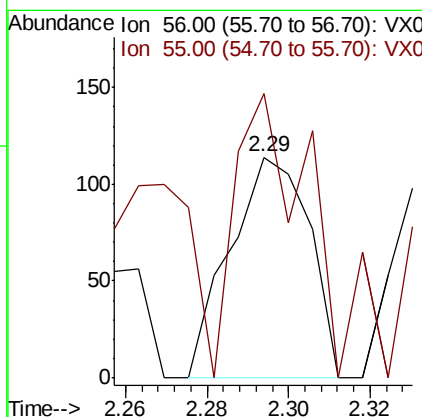
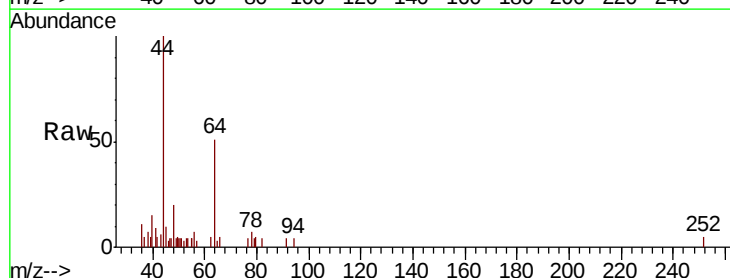
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW271-20180918

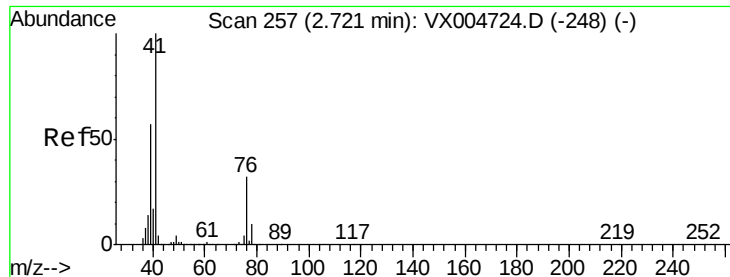
Tot Ion: 59 Resp: 13267
Ion Ratio Lower Upper
59 100
57 1.5 8.2 12.4#



#13
Acrolein
Concen: 0.233 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004802.D
Acq: 28 Sep 2018 04:37

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 127.3 54.7 82.1#





#14

Allvl chloride

Concen: 1.553 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.11 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW271-20180918

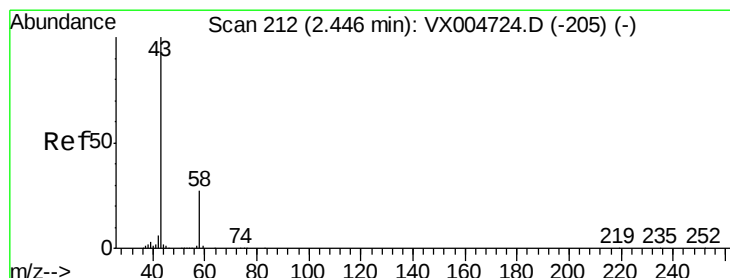
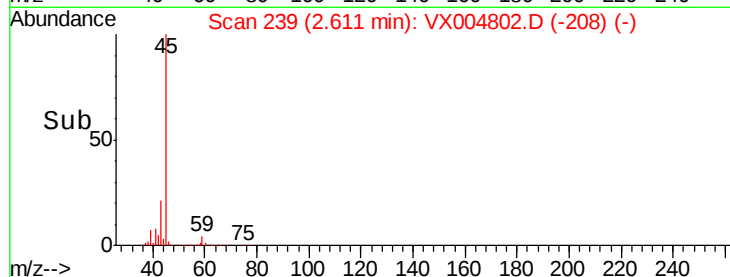
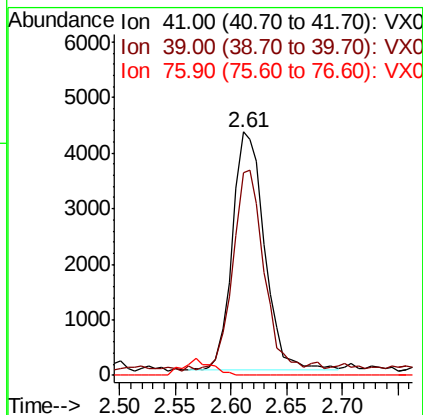
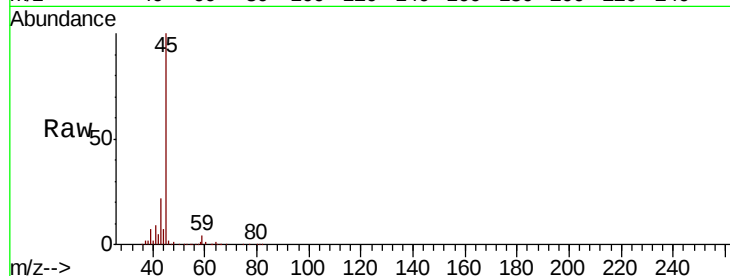
Tot Ion: 41 Resp: 8534

Ion Ratio Lower Upper

41 100

39 80.2 48.9 73.3#

76 0.0 26.7 40.1#



#16

Acetone

Concen: 1.361 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004802.D

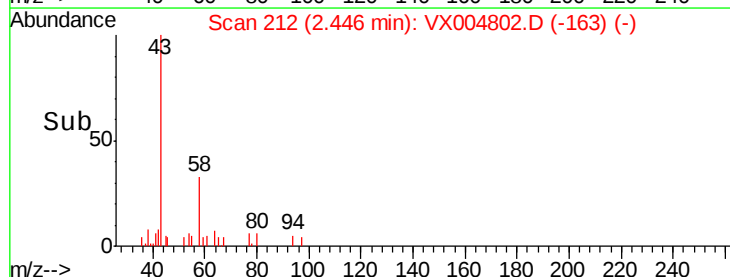
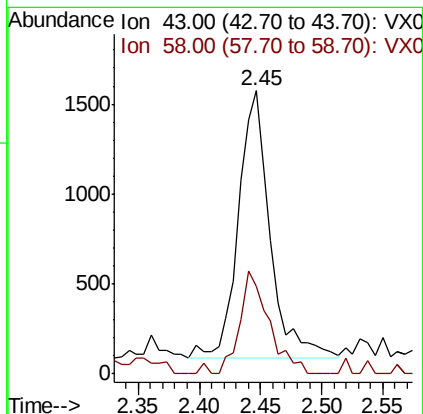
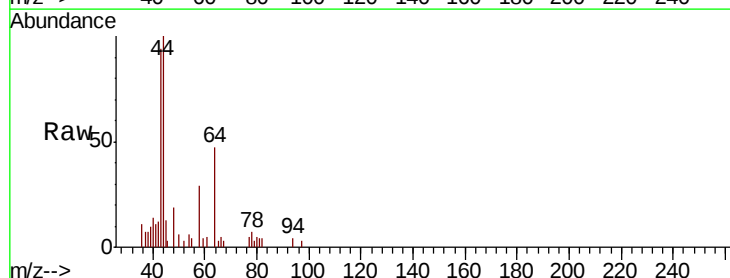
Acq: 28 Sep 2018 04:37

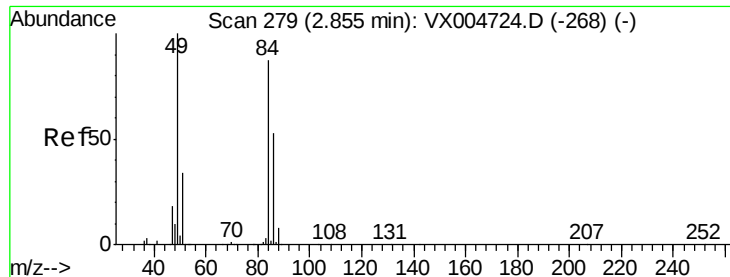
Tgt Ion: 43 Resp: 2639

Ion Ratio Lower Upper

43 100

58 33.1 26.2 39.4

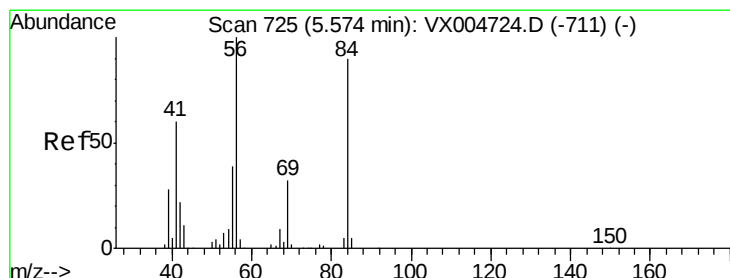
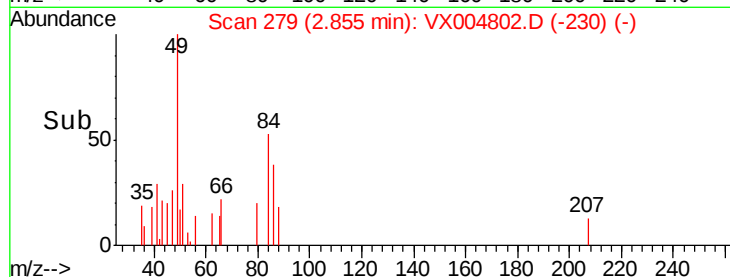
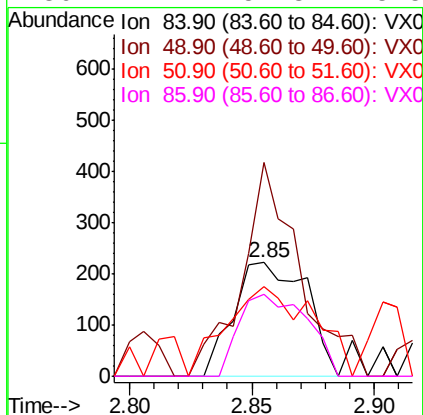
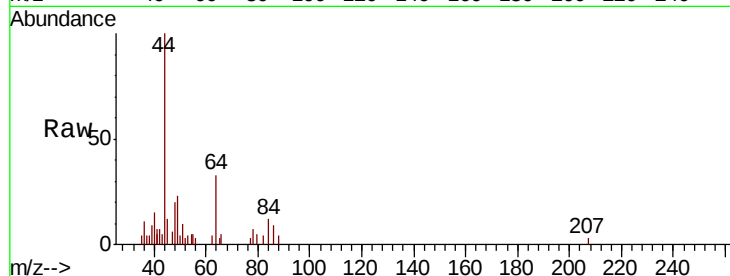




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004802.D
Acq: 28 Sep 2018 04:37

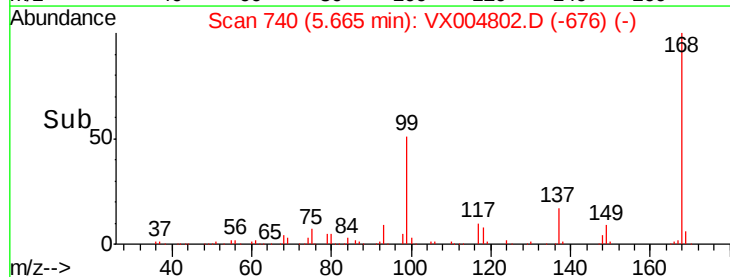
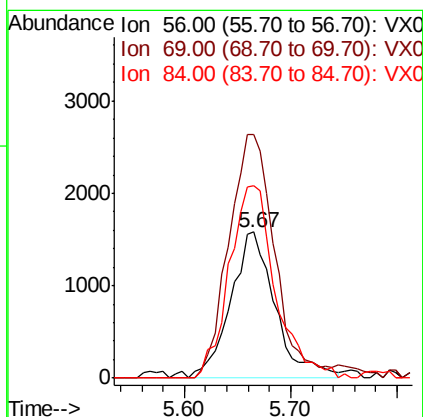
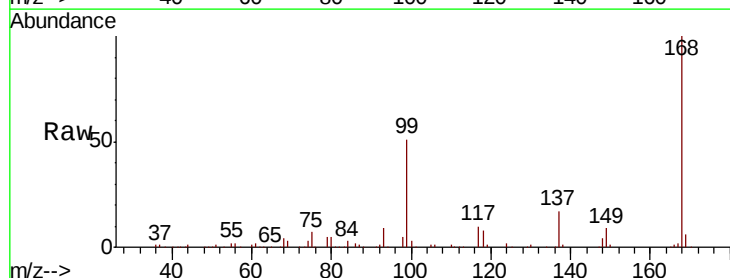
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW271-20180918

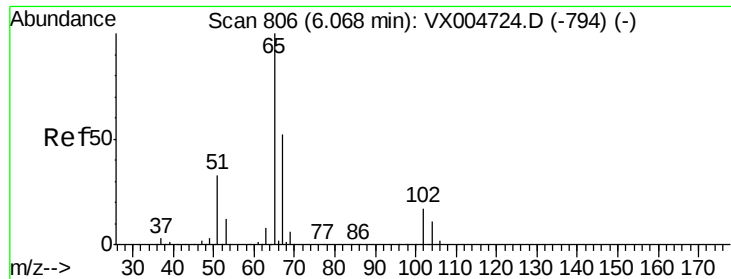
Tot Ion: 84 Resp: 460
Ion Ratio Lower Upper
84 100
49 188.7 101.2 151.8#
51 79.2 29.5 44.3#
86 72.4 52.3 78.5



#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004802.D
Acq: 28 Sep 2018 04:37

Tgt Ion: 56 Resp: 4632
Ion Ratio Lower Upper
56 100
69 166.8 25.4 38.2#
84 132.2 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 56.414 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

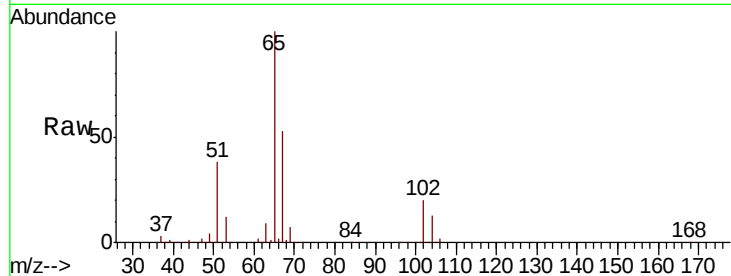
BP-HN-MW271-20180918

Tot Ion: 65 Resp: 187321

Ion Ratio Lower Upper

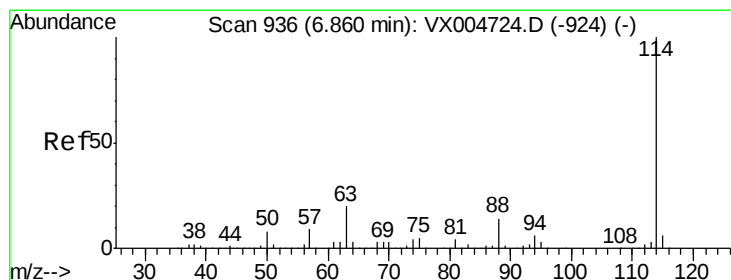
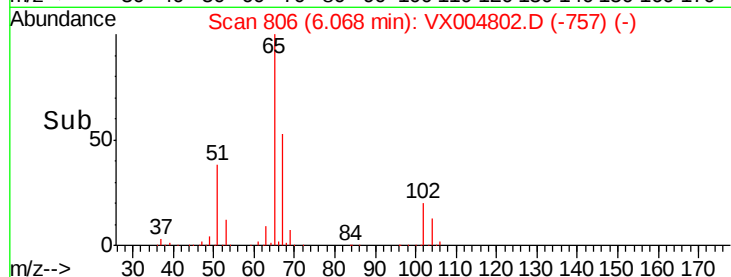
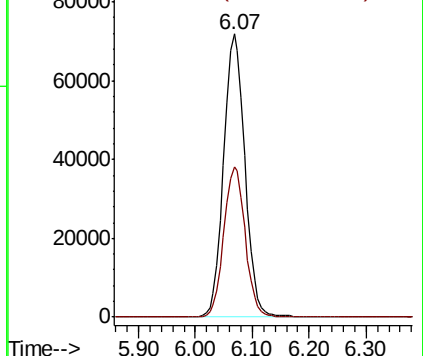
65 100

67 53.5 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: VX004802.D

Acq: 28 Sep 2018 04:37

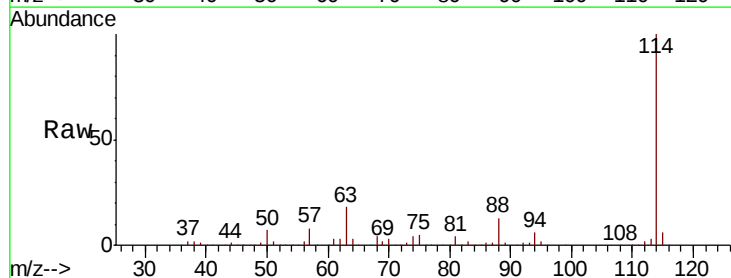
Tgt Ion: 114 Resp: 392885

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.0

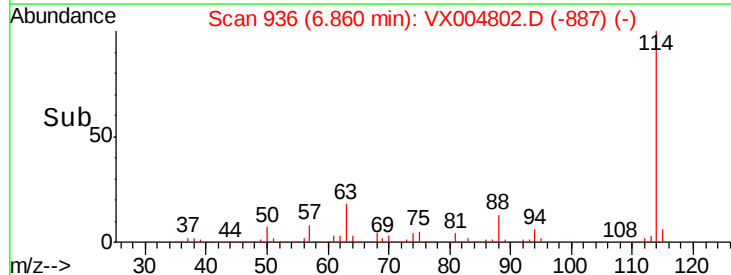
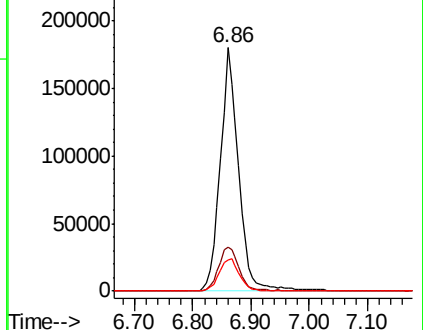
88 12.8 0.0 30.4

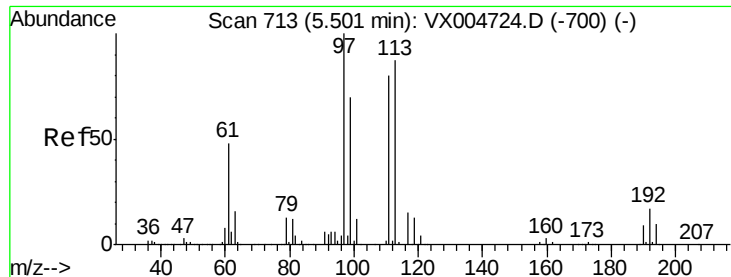


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.623 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

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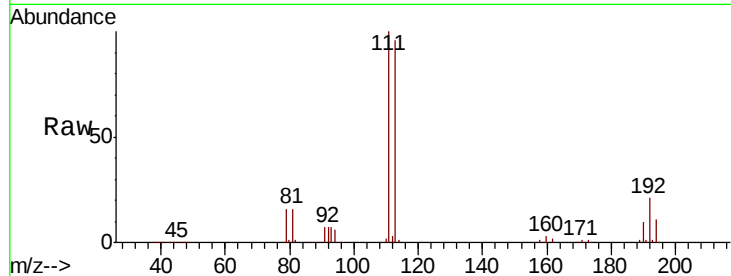
Tot Ion:113 Resp: 155243

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

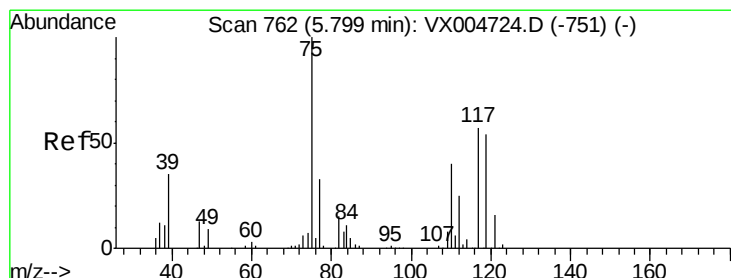
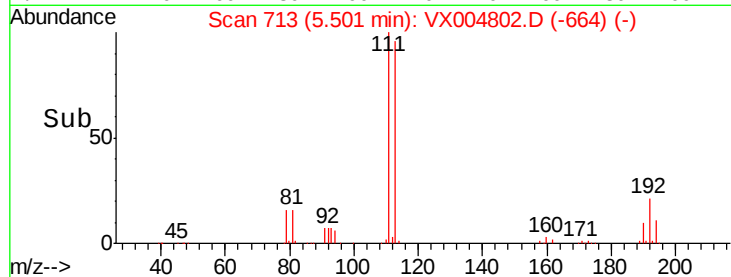
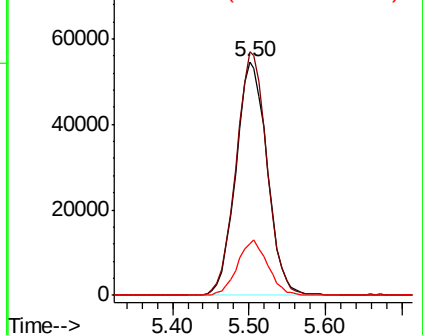
192 22.9 19.4 29.2



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: 3.621 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

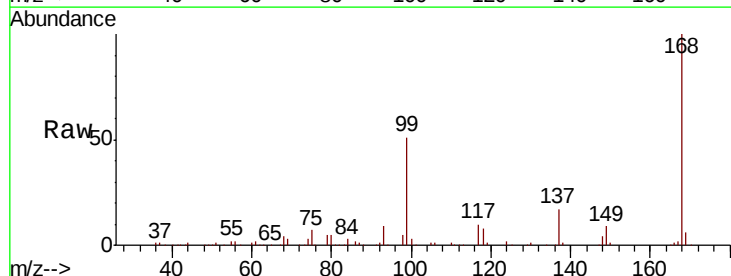
Tgt Ion: 75 Resp: 16452

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

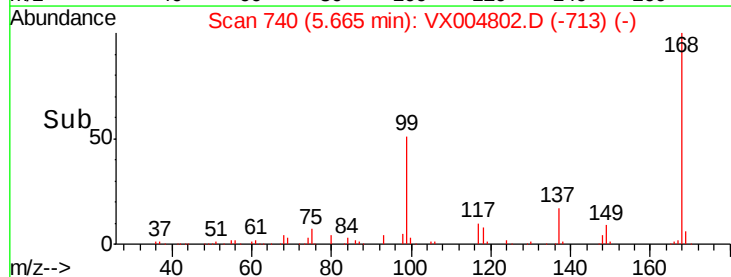
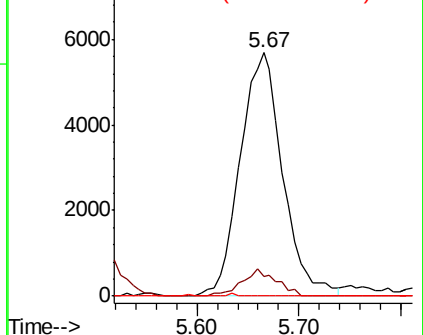
77 0.0 24.6 36.8#

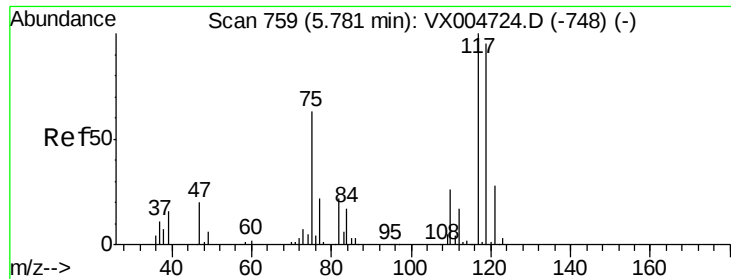


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.542 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

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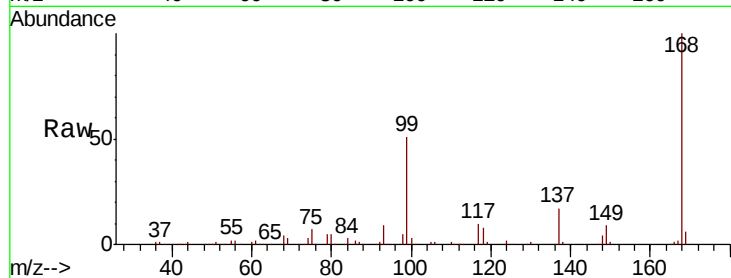
Tot Ion:117 Resp: 21690

Ion Ratio Lower Upper

117 100

119 6.8 78.8 118.2#

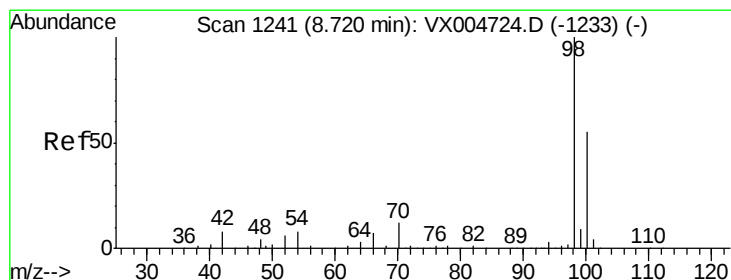
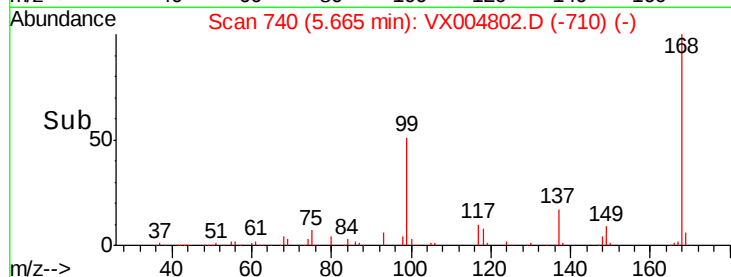
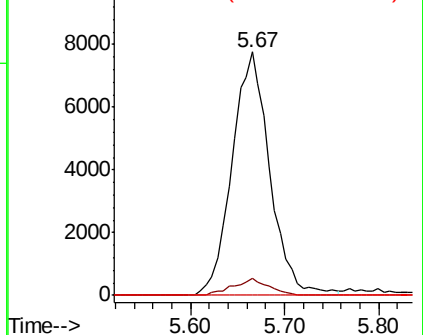
121 0.0 24.9 37.3#



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: 50.938 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004802.D

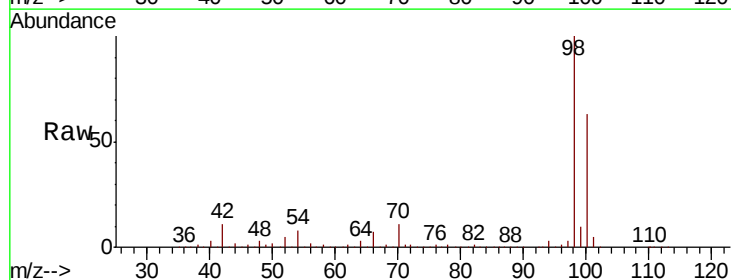
Acq: 28 Sep 2018 04:37

Tgt Ion: 98 Resp: 563869

Ion Ratio Lower Upper

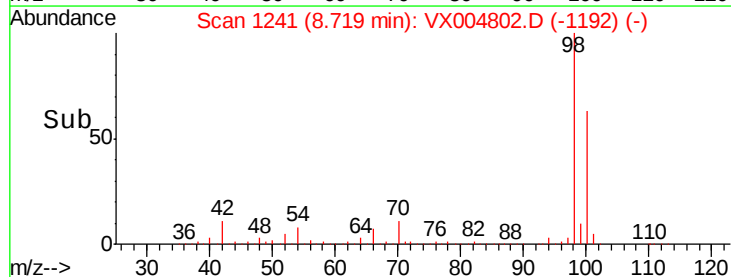
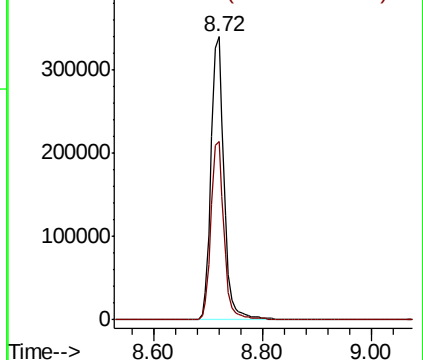
98 100

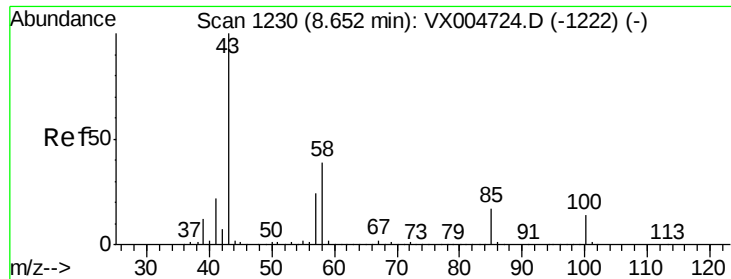
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.490 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

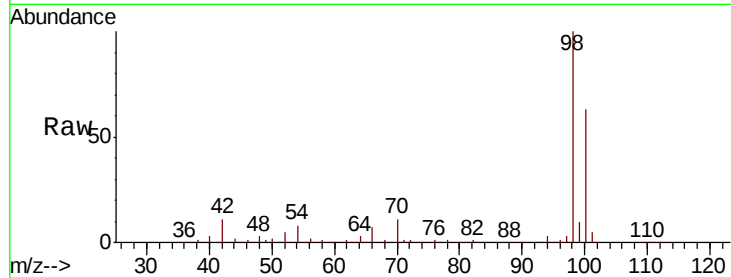
BP-HN-MW271-20180918

Tot Ion: 43 Resp: 2688

Ion Ratio Lower Upper

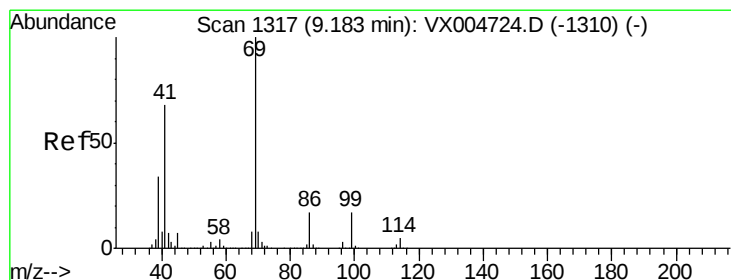
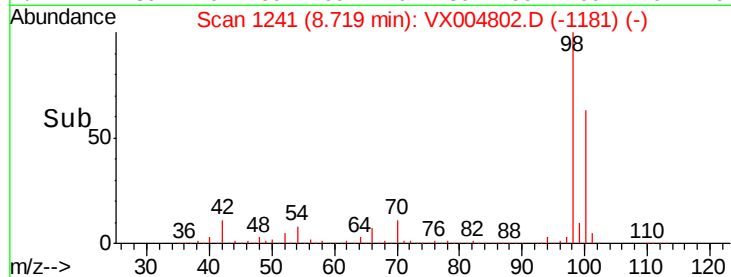
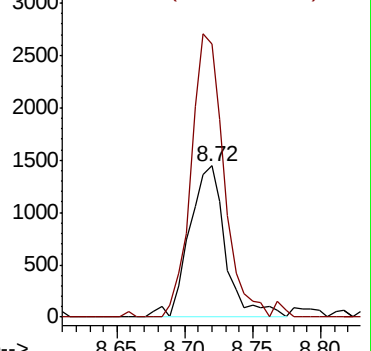
43 100

58 169.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#56

Ethyl methacrylate

Concen: 2.865 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

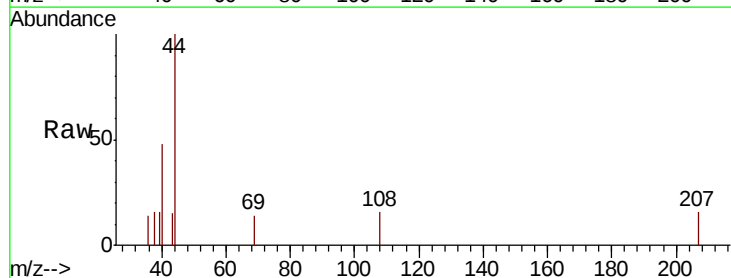
Tgt Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 742.1 51.0 76.4#

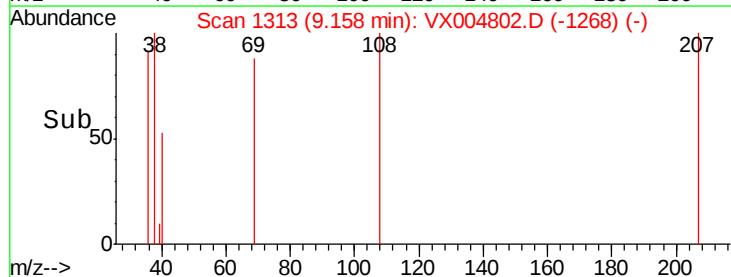
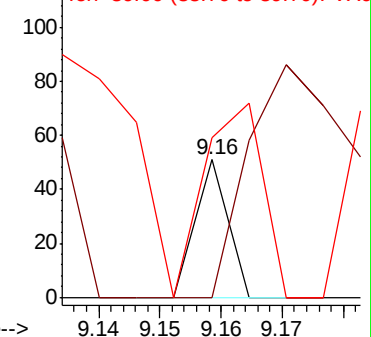
39 252.6 26.1 39.1#

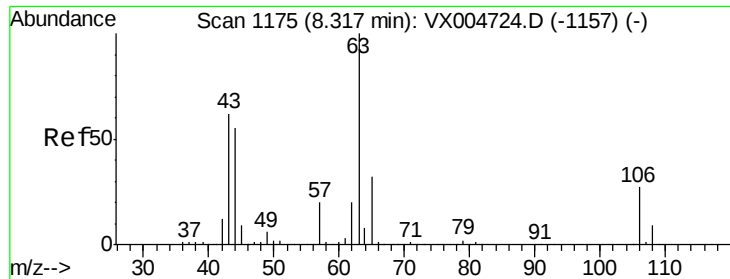


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#58

2-Chloroethyl Vinyl ether

Concen: 14.248 ug/l

RT: 8.05 min Scan# 1132

Delta R.T. -0.26 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

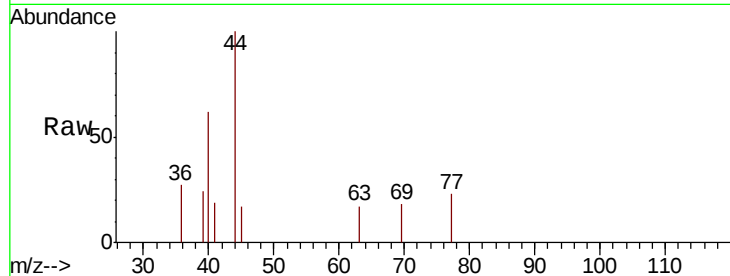
BP-HN-MW271-20180918

Tot Ion: 63 Resp: 19

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

8.05

60

50

40

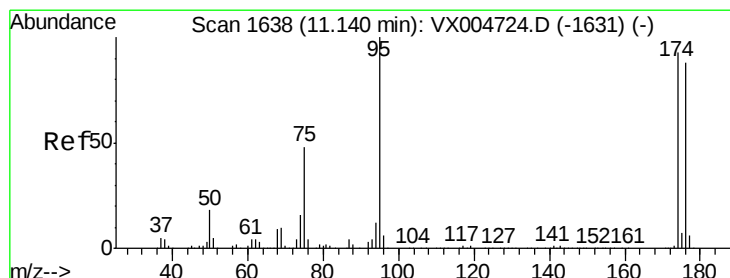
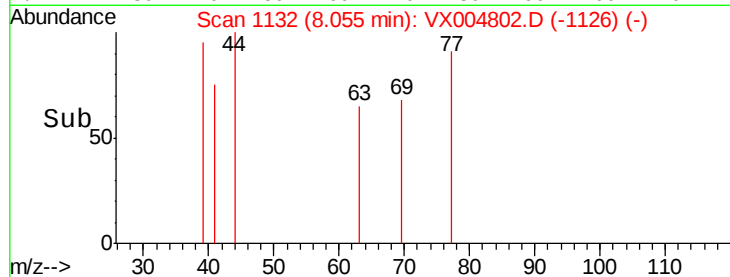
30

20

10

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.561 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

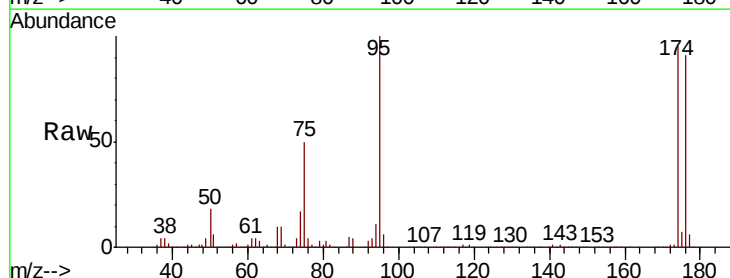
Tgt Ion: 95 Resp: 201634

Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.2

176 89.2 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

200000

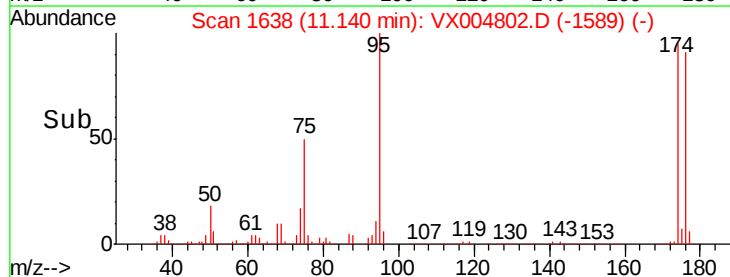
150000

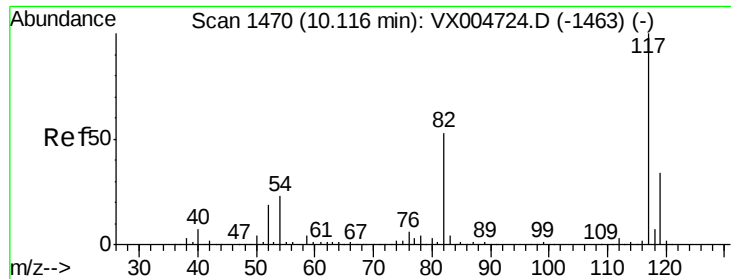
100000

50000

0

Time-->

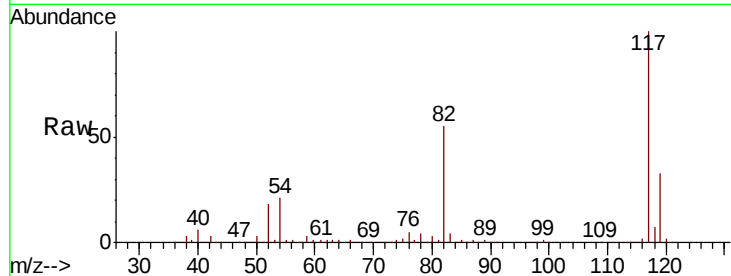




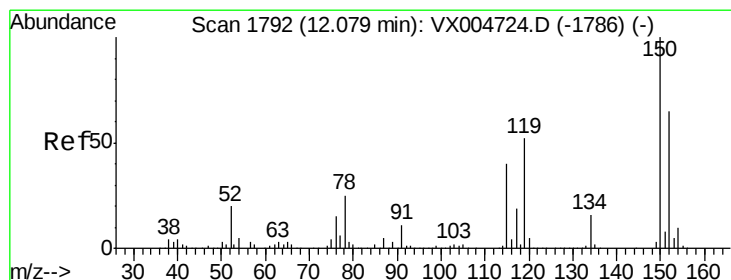
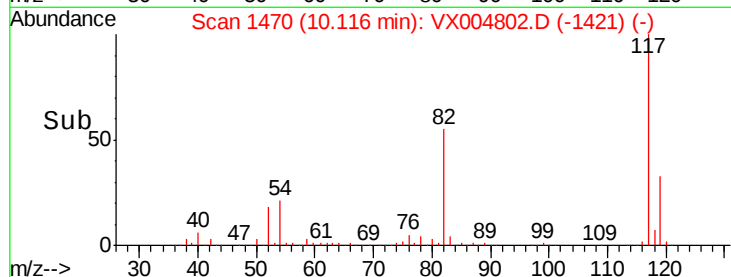
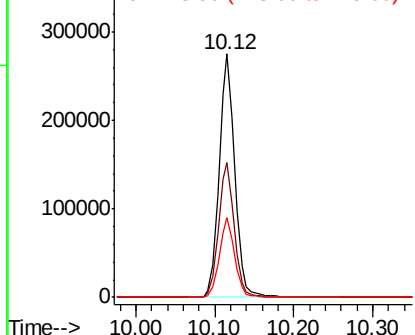
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004802.D
Acq: 28 Sep 2018 04:37

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW271-20180918

Tot Ion:117 Resp: 378951
Ion Ratio Lower Upper
117 100
82 55.3 47.8 71.6
119 32.5 29.3 43.9

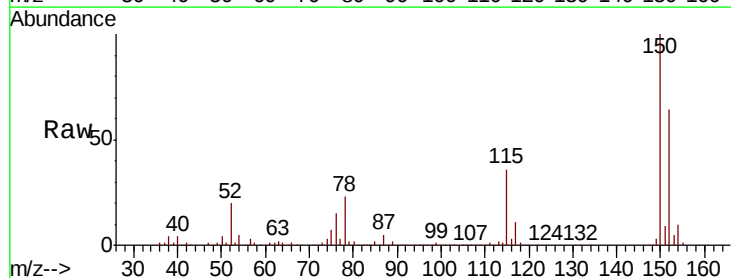


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

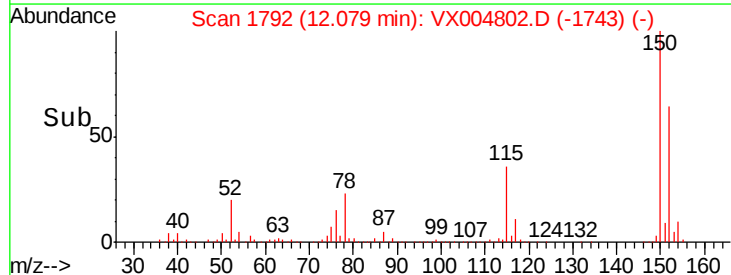
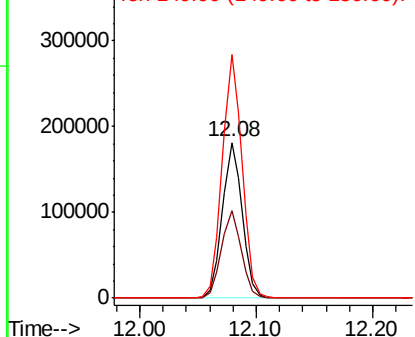


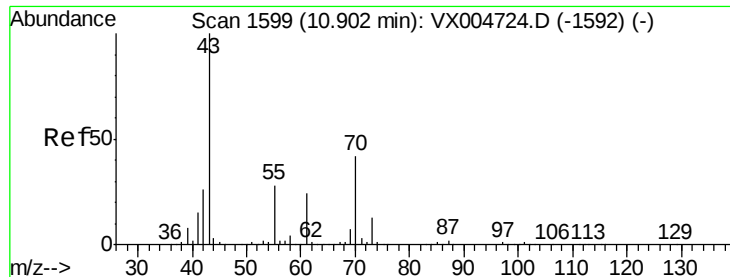
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004802.D
Acq: 28 Sep 2018 04:37

Tgt Ion:152 Resp: 213351
Ion Ratio Lower Upper
152 100
115 55.9 39.0 117.0
150 156.5 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-amvl acetate

Concen: 1.751 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW271-20180918

Tot Ion: 43 Resp: 22

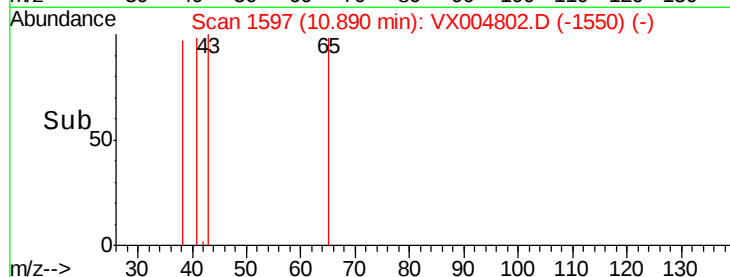
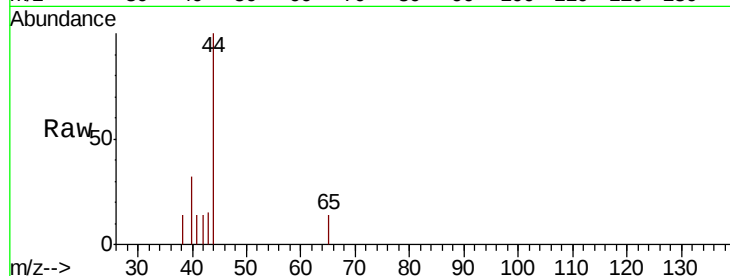
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

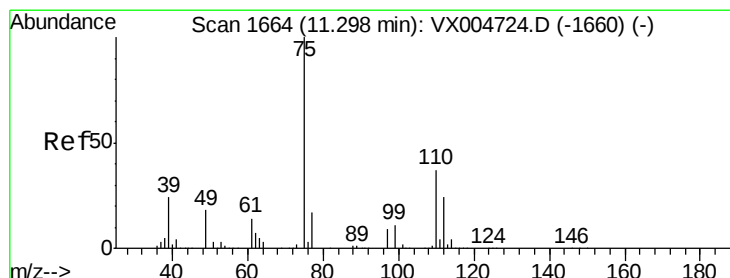
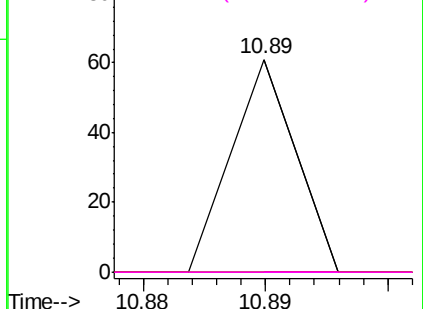


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.117 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004802.D

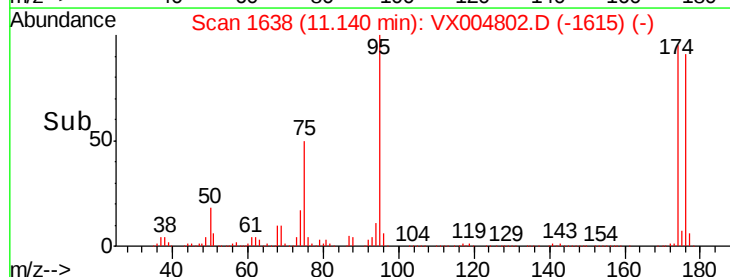
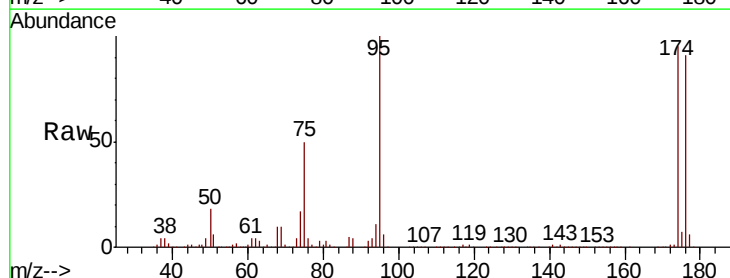
Acq: 28 Sep 2018 04:37

Tgt Ion: 75 Resp: 100981

Ion Ratio Lower Upper

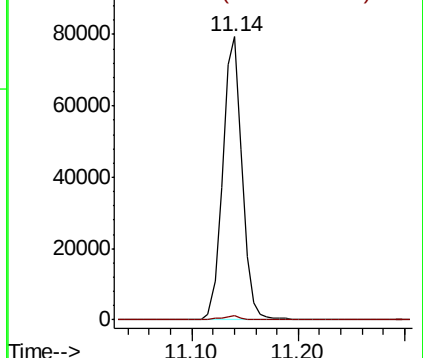
75 100

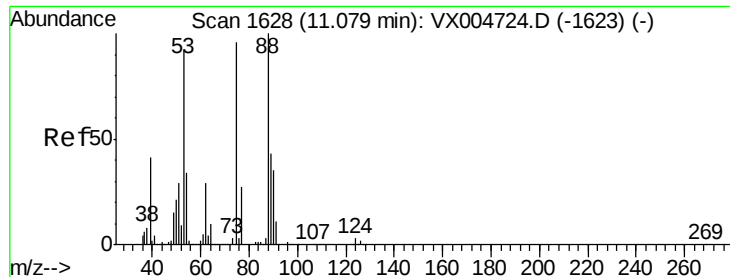
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.292 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW271-20180918

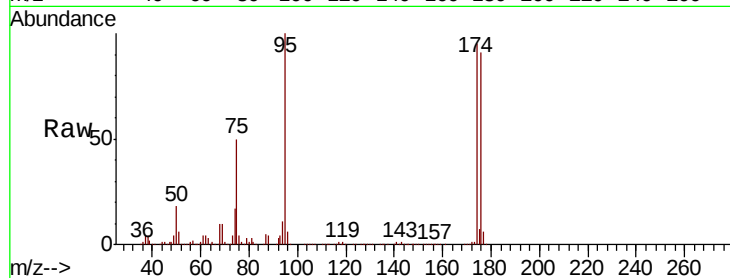
Tot Ion: 75 Resp: 100981

Ion Ratio Lower Upper

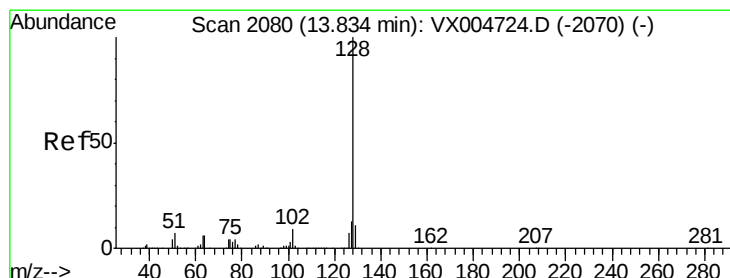
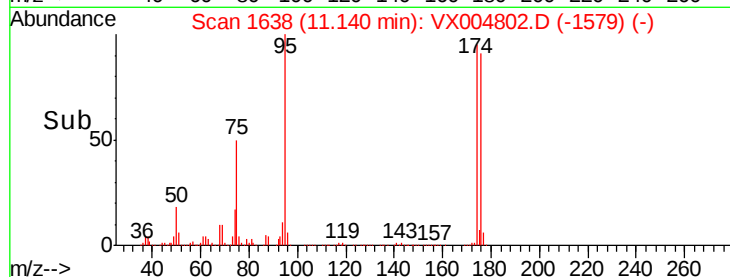
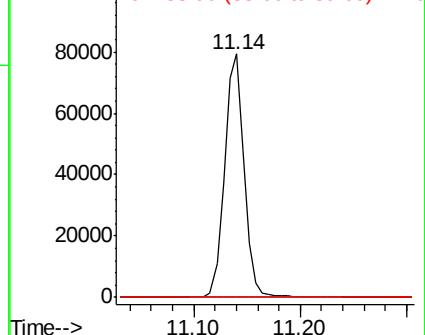
75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.734 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004802.D

Acq: 28 Sep 2018 04:37

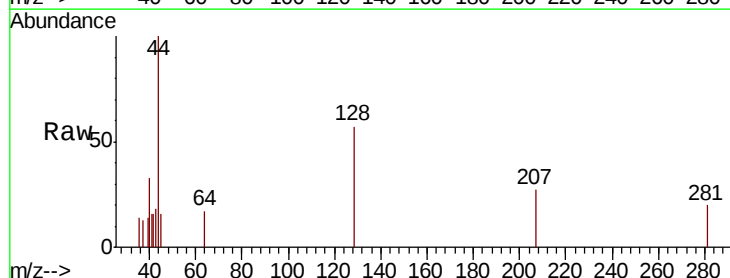
Tgt Ion: 128 Resp: 253

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

