

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006445.D
 Acq On : 12 Dec 2018 15:20
 Operator : JC/MD
 Sample : J6358-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW271-20181210

Quant Time: Dec 13 06:10:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	755539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1143274	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1028482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	501011	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	374910	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	5.51	113	342755	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	8.71	98	1328180	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.14	95	492017	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

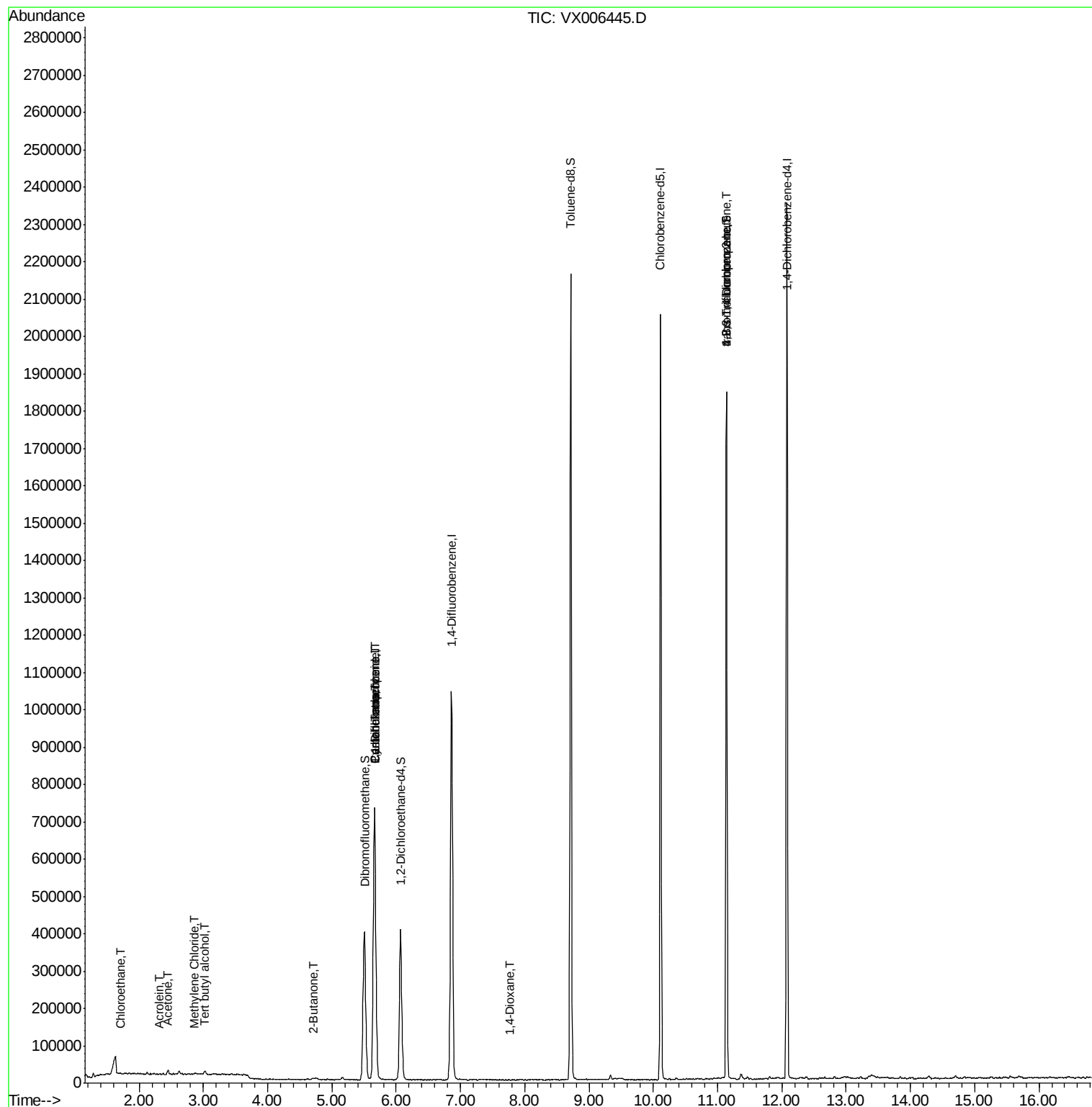
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	1314	0.262	ug/l #	45
11) Tert butyl alcohol	3.02	59	5545	2.629	ug/l	95
13) Acrolein	2.31	56	370	0.321	ug/l	97
16) Acetone	2.45	43	13865	3.831	ug/l	99
20) Methylene Chloride	2.87	84	2283	0.296	ug/l #	70
25) 2-Butanone	4.71	43	6777	1.312	ug/l #	86
31) Cyclohexane	5.66	56	11091	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	45659	4.743	ug/l #	49
38) Carbon Tetrachloride	5.66	117	67277	5.940	ug/l #	15
49) 1,4-Dioxane	7.76	88	125	0.580	ug/l #	7
76) 1,2,3-Trichloropropane	11.13	75	224465	23.212	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	224465	54.472	ug/l #	15

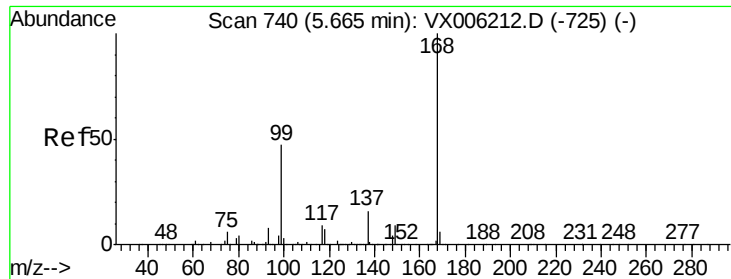
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

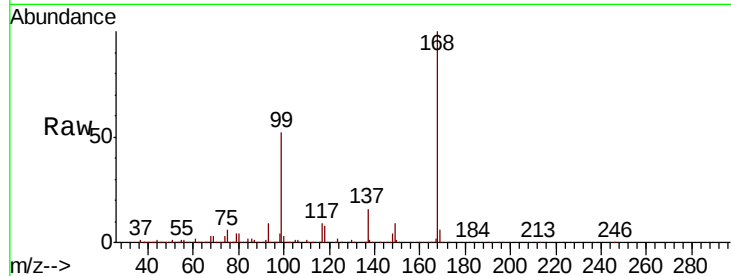
BP-HN-MW271-20181210

Tot Ion:168 Resp: 755539

Ion Ratio Lower Upper

168 100

99 52.1 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

300000

250000

200000

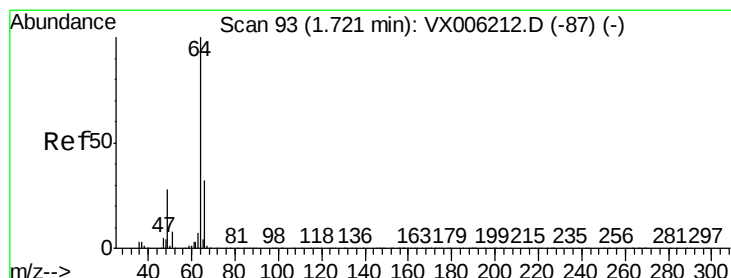
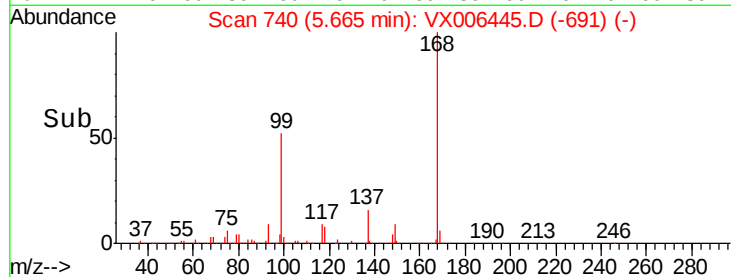
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.262 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006445.D

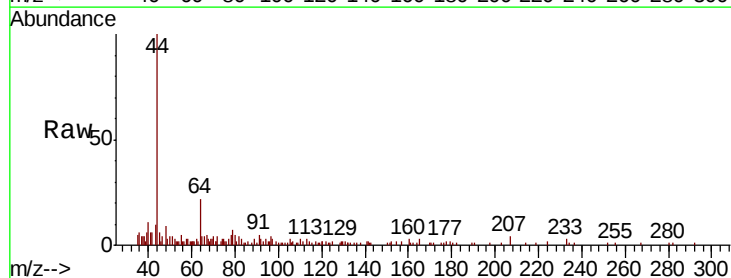
Acq: 12 Dec 2018 15:20

Tgt Ion: 64 Resp: 1314

Ion Ratio Lower Upper

64 100

66 1.7 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

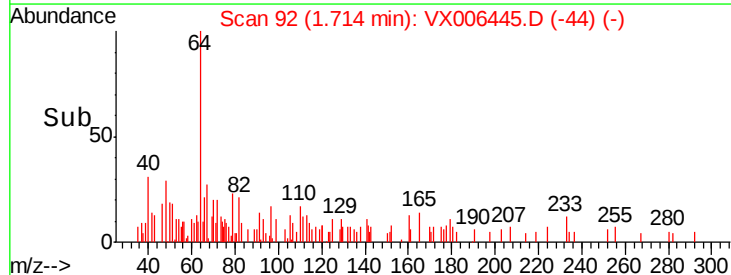
1500

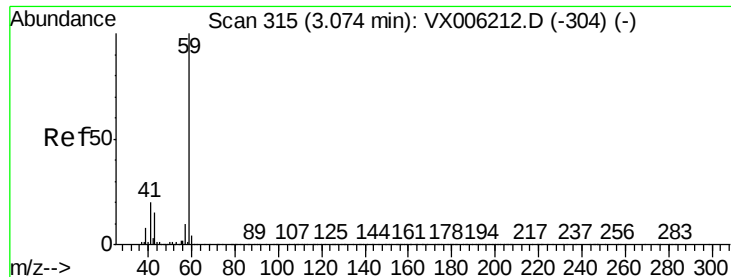
1000

500

0

Time-->



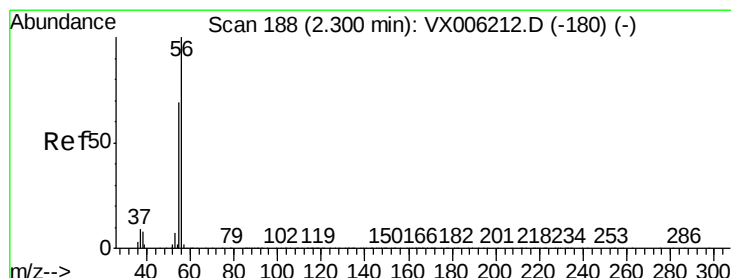
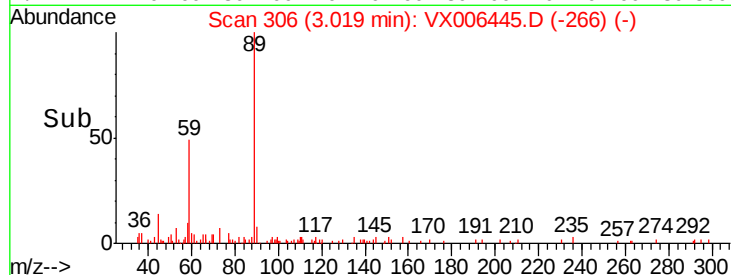
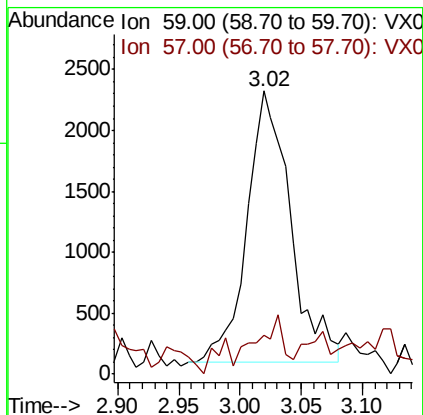
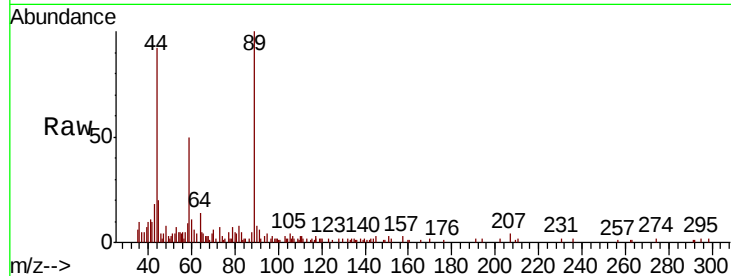


#11

Tert butyl alcohol
 Concen: 2.629 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX006445.D
 Acq: 12 Dec 2018 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW271-20181210

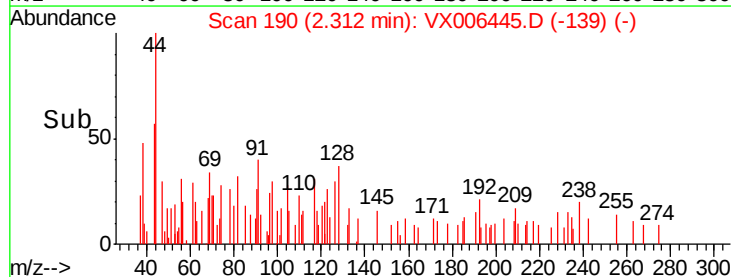
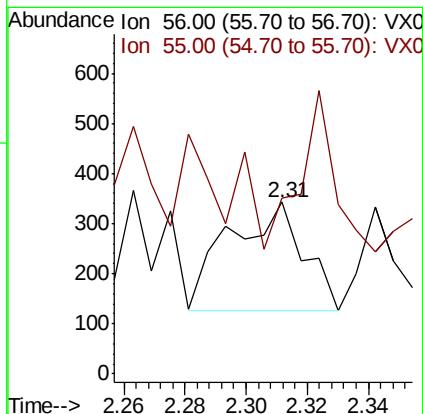
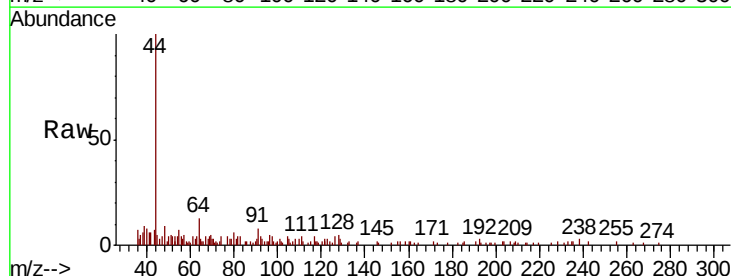
Tot Ion: 59 Resp: 5545
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.2 12.2

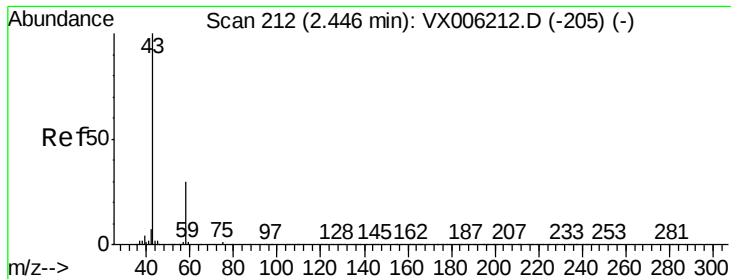


#13

Acrolein
 Concen: 0.321 ug/l
 RT: 2.31 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VX006445.D
 Acq: 12 Dec 2018 15:20

Tgt Ion: 56 Resp: 370
 Ion Ratio Lower Upper
 56 100
 55 74.6 57.8 86.6

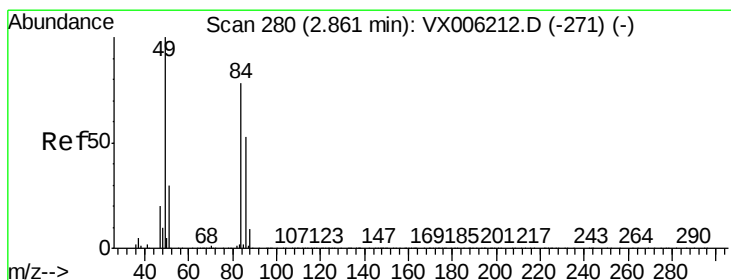
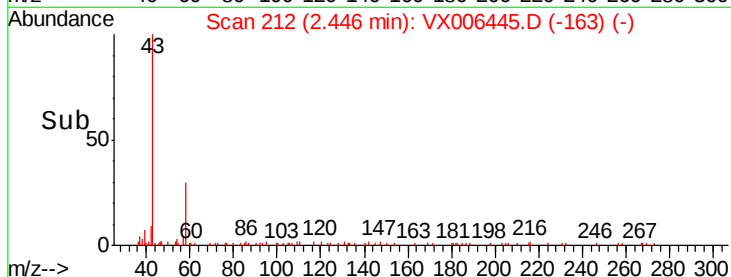
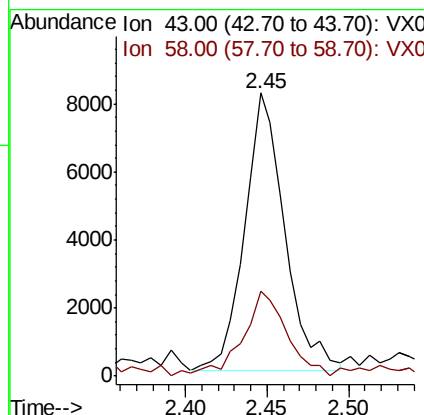
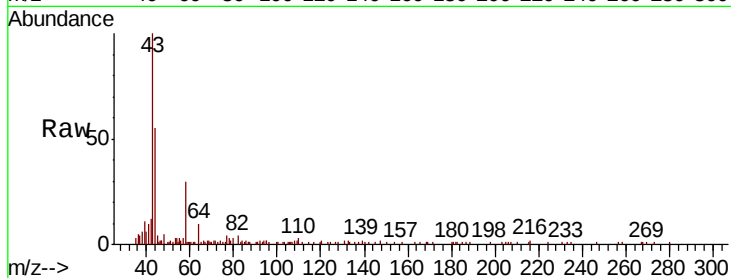




#16
Acetone
Concen: 3.831 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006445.D
Acq: 12 Dec 2018 15:20

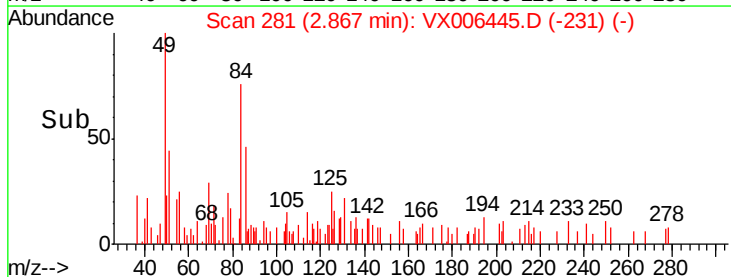
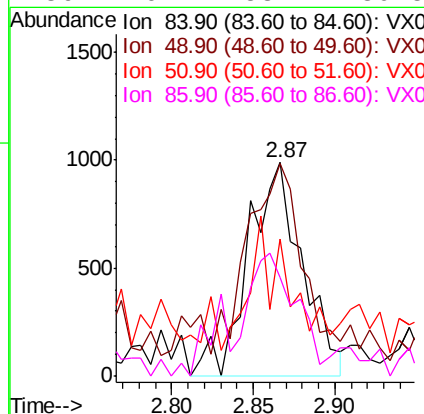
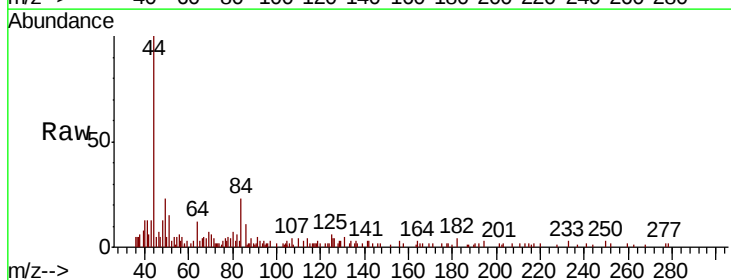
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW271-20181210

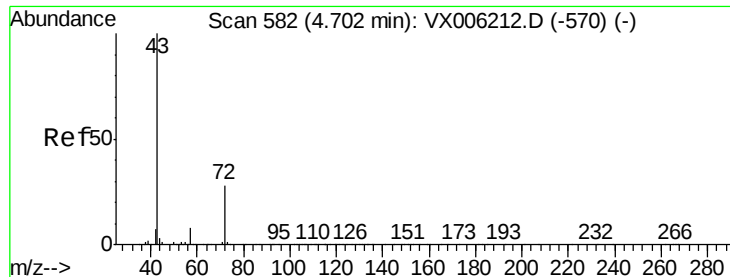
Tot Ion: 43 Resp: 13865
Ion Ratio Lower Upper
43 100
58 29.7 24.0 36.0



#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006445.D
Acq: 12 Dec 2018 15:20

Tgt Ion: 84 Resp: 2283
Ion Ratio Lower Upper
84 100
49 83.1 102.2 153.4#
51 45.3 31.1 46.7
86 46.1 53.7 80.5#





#25

2-Butanone

Concen: 1.312 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

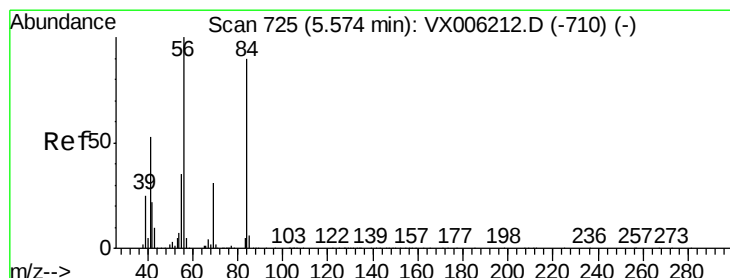
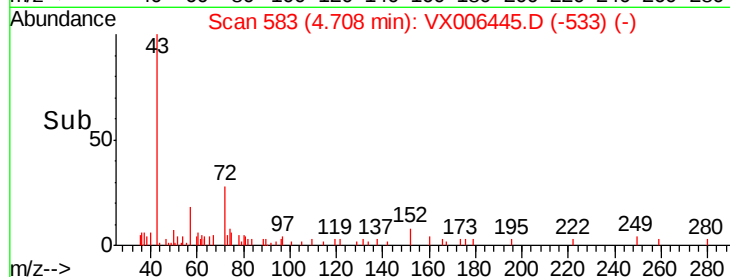
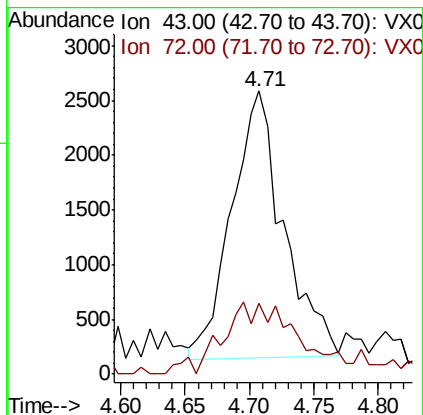
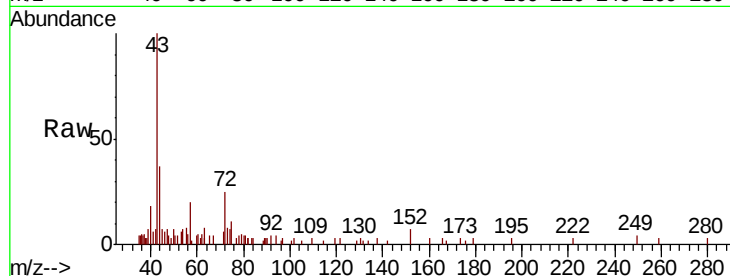
BP-HN-MW271-20181210

Tot Ion: 43 Resp: 6777

Ion Ratio Lower Upper

43 100

72 20.6 22.6 33.8#



#31

Cyclohexane

Concen: 0.995 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

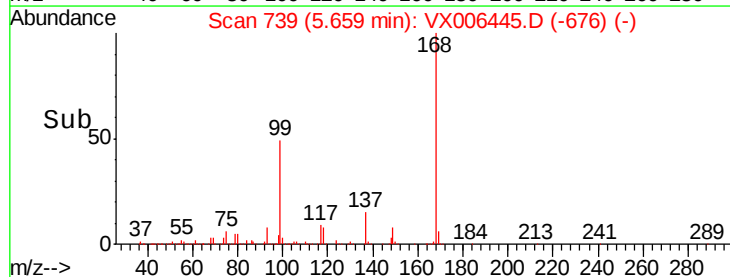
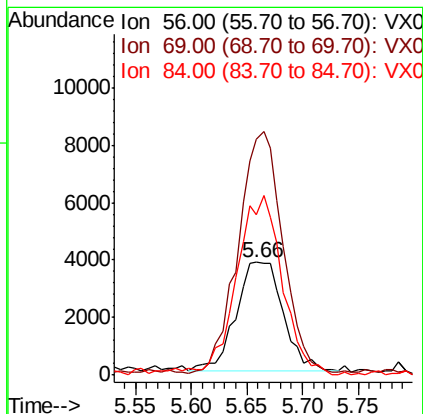
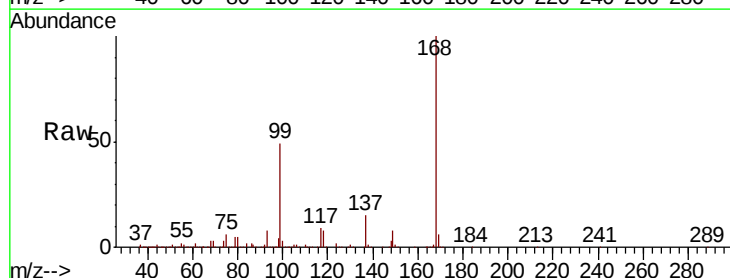
Tgt Ion: 56 Resp: 11091

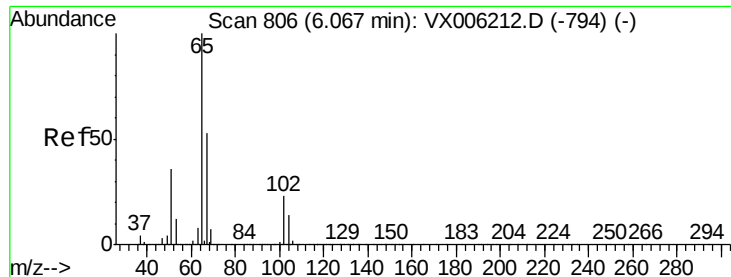
Ion Ratio Lower Upper

56 100

69 216.9 24.5 36.7#

84 148.1 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 48.609 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

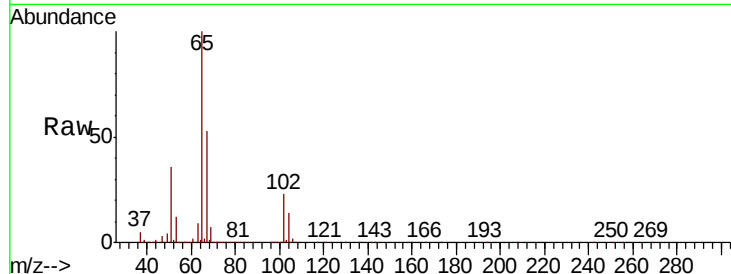
BP-HN-MW271-20181210

Tot Ion: 65 Resp: 374910

Ion Ratio Lower Upper

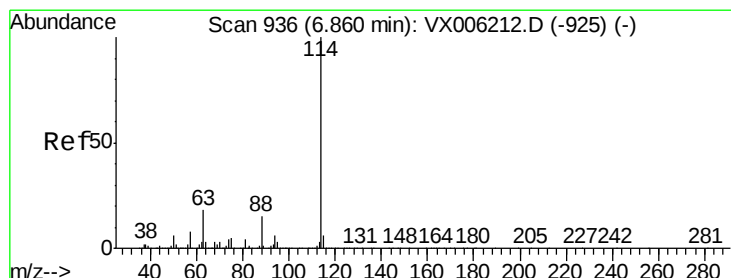
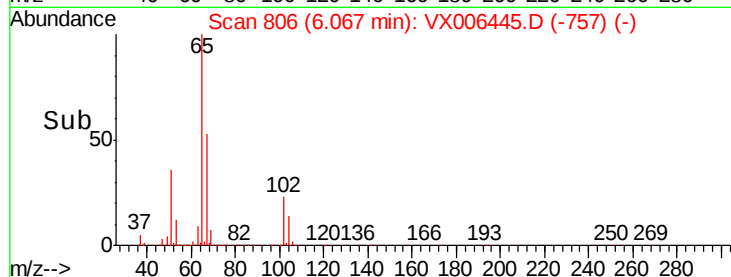
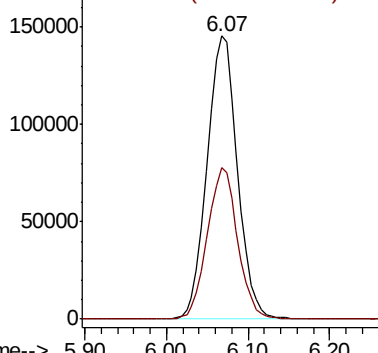
65 100

67 53.1 0.0 107.2



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: VX006445.D

Acq: 12 Dec 2018 15:20

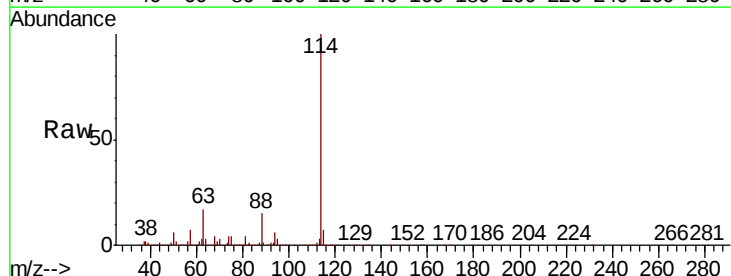
Tgt Ion: 114 Resp: 1143274

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

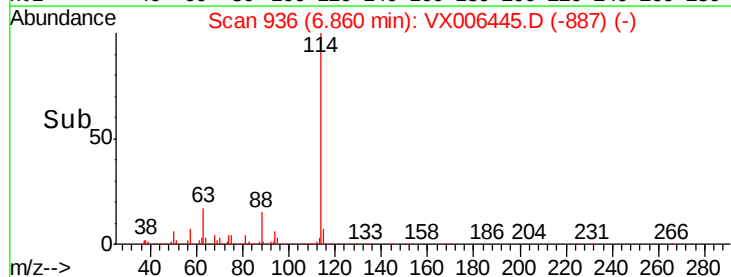
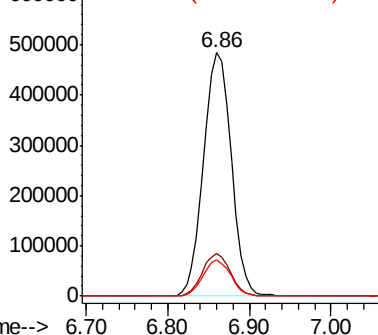
88 14.8 0.0 29.0

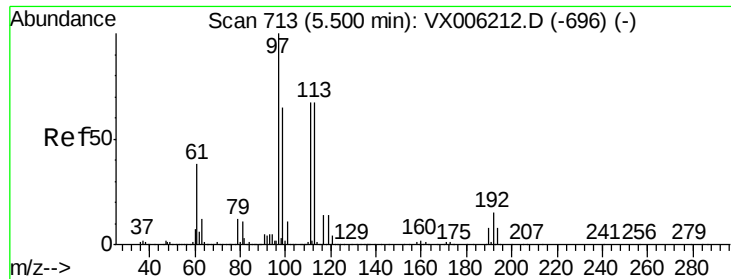


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.304 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW271-20181210

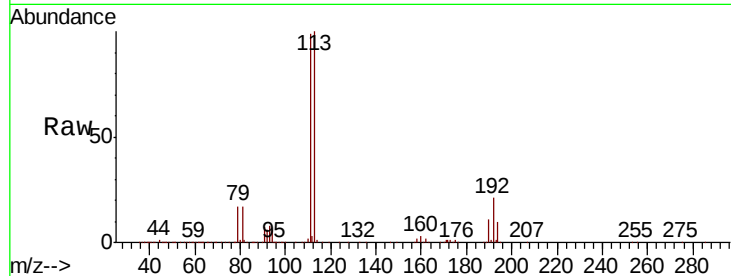
Tot Ion:113 Resp: 342755

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

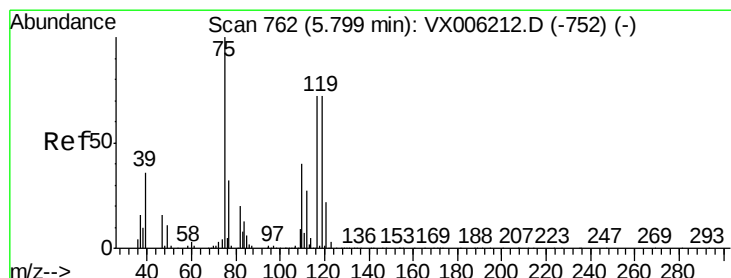
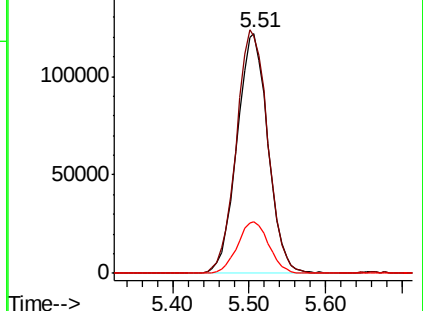
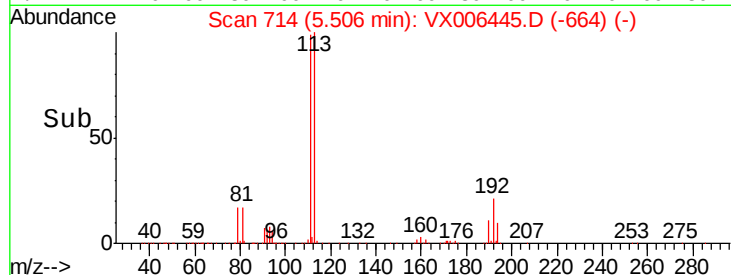
192 21.6 18.2 27.2



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: 4.743 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

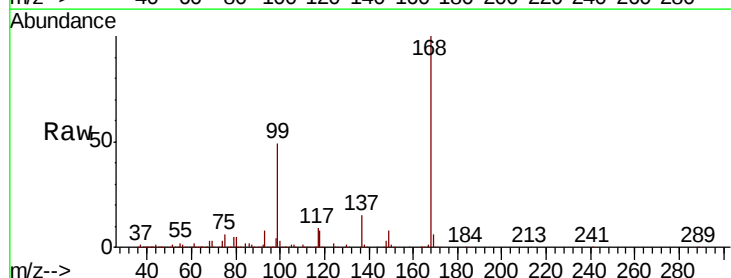
Tgt Ion: 75 Resp: 45659

Ion Ratio Lower Upper

75 100

110 11.3 20.4 61.3#

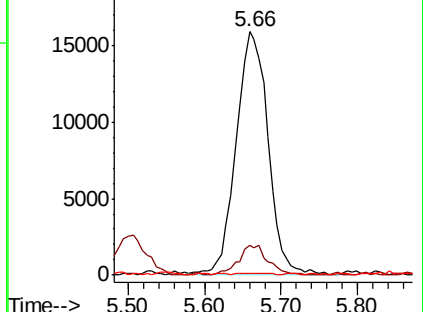
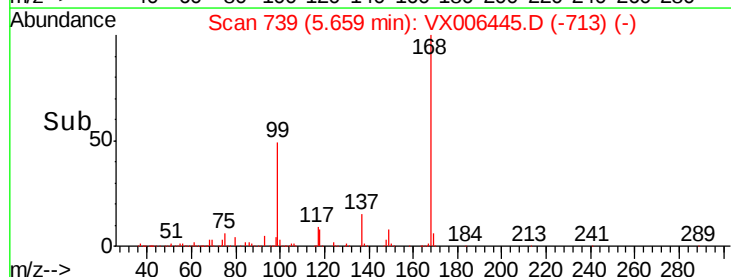
77 0.3 24.9 37.3#

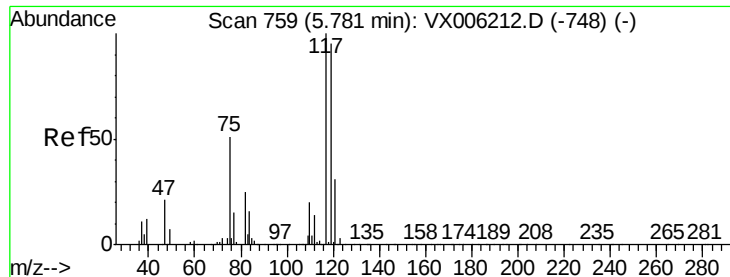


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.940 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW271-20181210

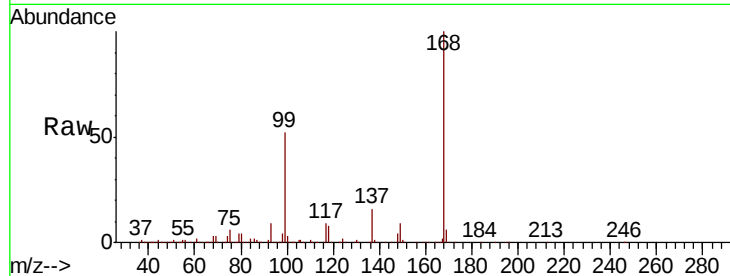
Tot Ion:117 Resp: 67277

Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

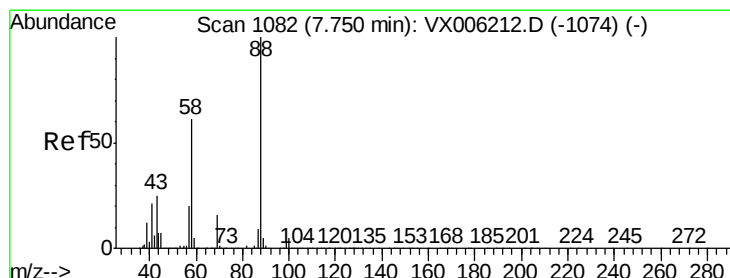
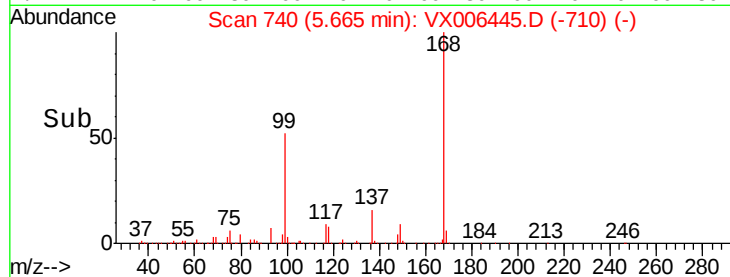
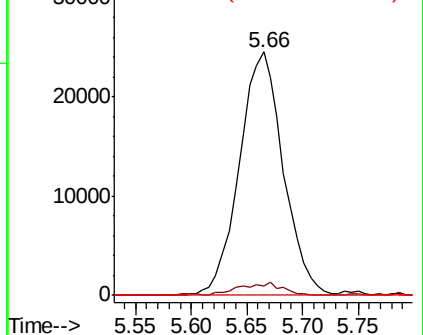
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.580 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

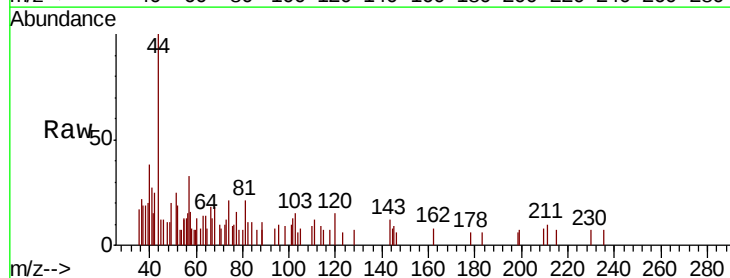
Tgt Ion: 88 Resp: 125

Ion Ratio Lower Upper

88 100

43 182.4 23.2 34.8#

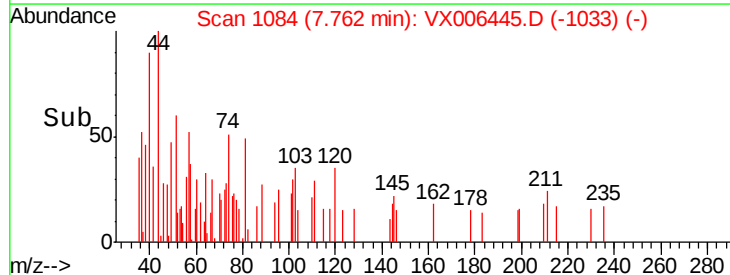
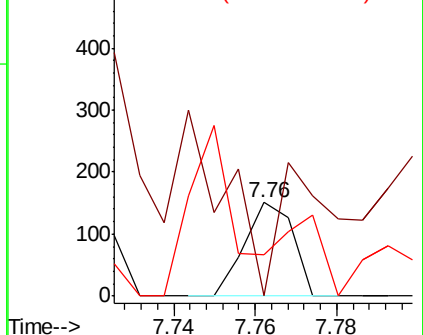
58 68.8 51.4 77.0

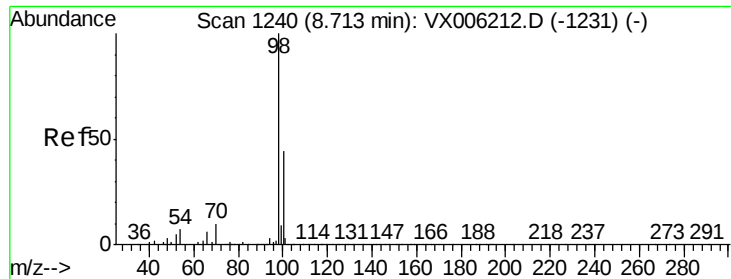


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

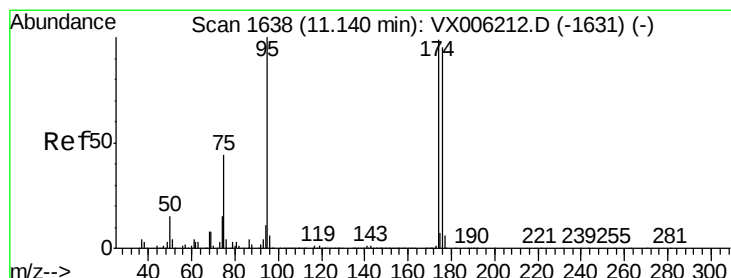
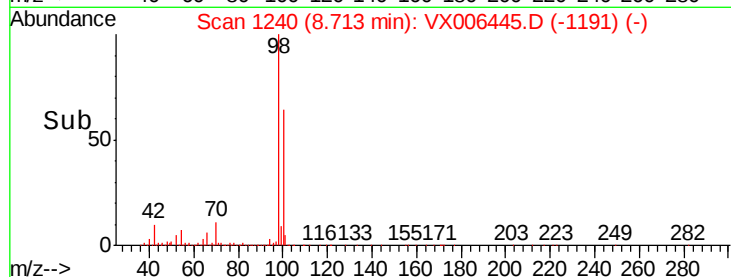
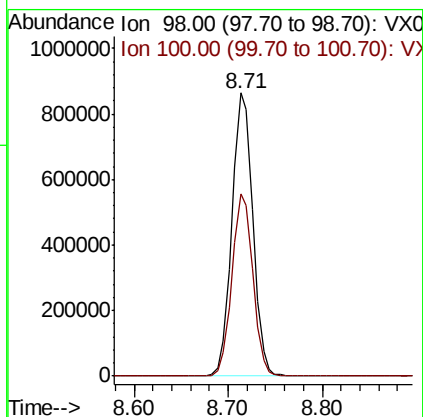
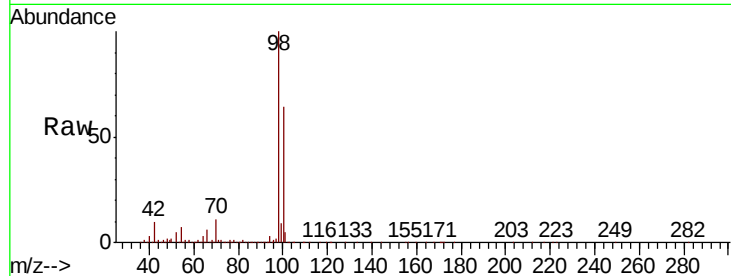




#50
Toluene-d8
Concen: 49.329 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006445.D
Acq: 12 Dec 2018 15:20

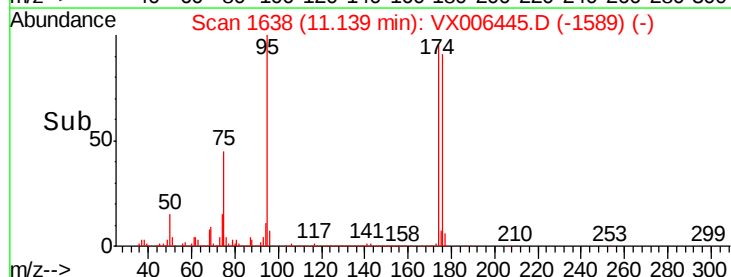
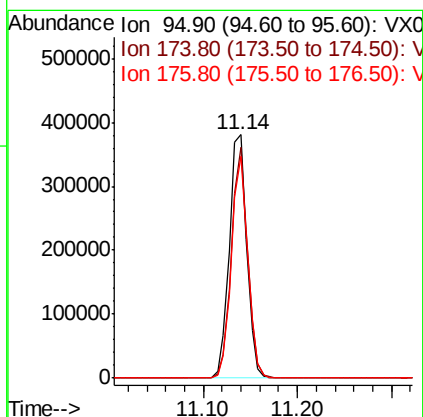
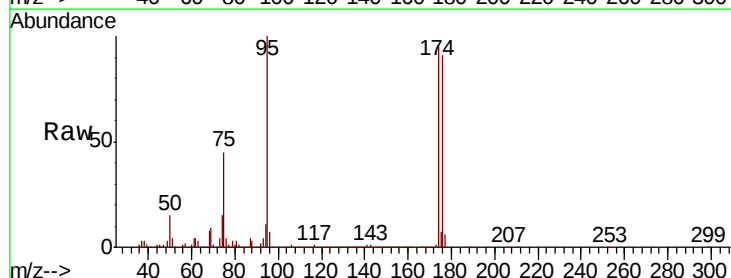
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW271-20181210

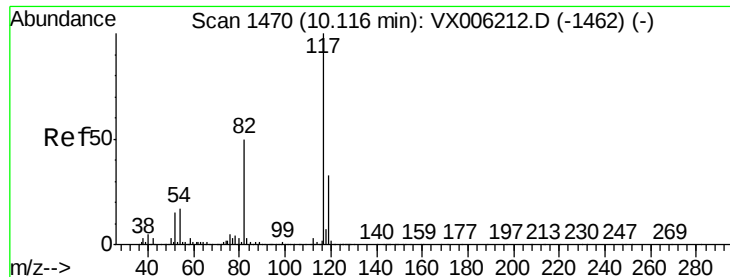
Tot Ion: 98 Resp: 1328180
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.493 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006445.D
Acq: 12 Dec 2018 15:20

Tgt Ion: 95 Resp: 492017
Ion Ratio Lower Upper
95 100
174 88.2 0.0 187.0
176 85.8 0.0 181.8

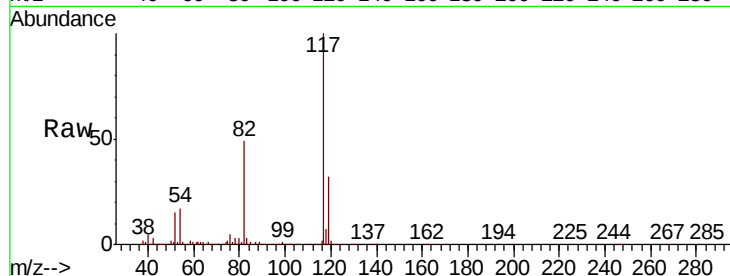




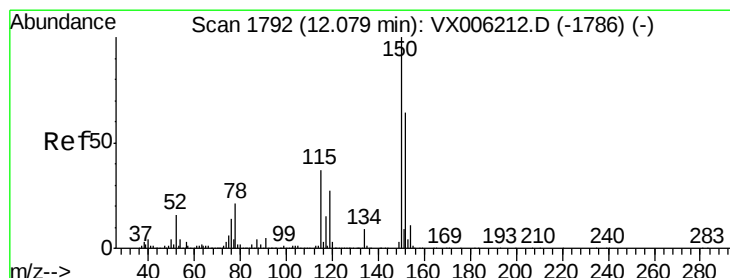
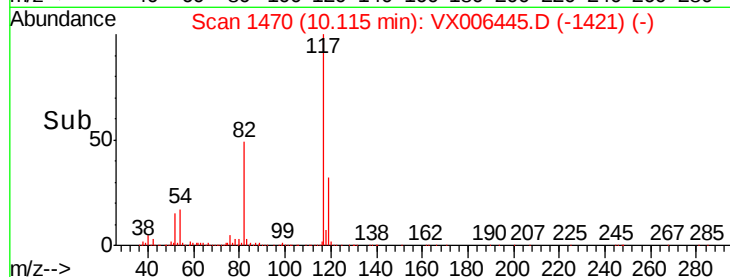
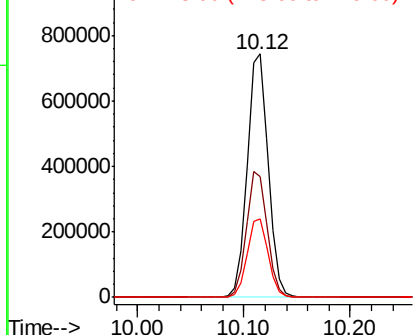
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006445.D
Acq: 12 Dec 2018 15:20

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW271-20181210

Tot Ion:117 Resp: 1028482
Ion Ratio Lower Upper
117 100
82 49.4 39.6 59.4
119 32.2 26.3 39.5

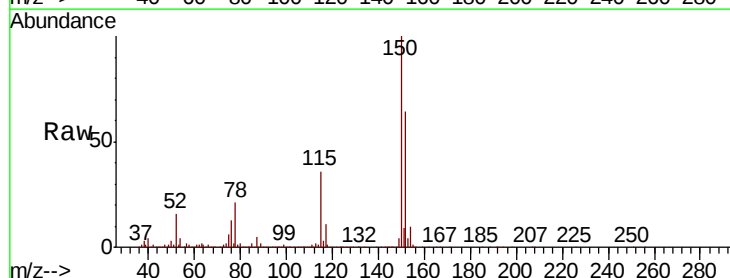


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

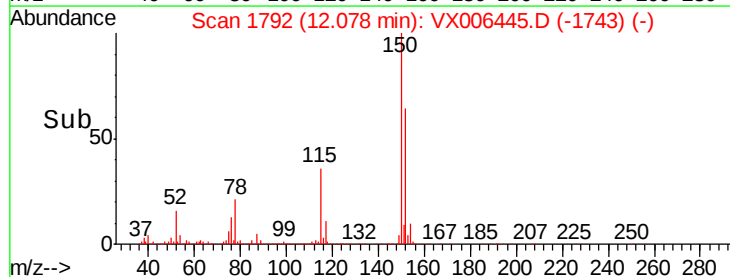
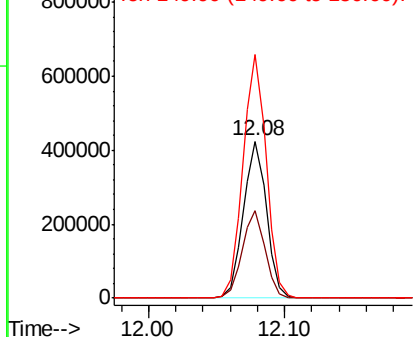


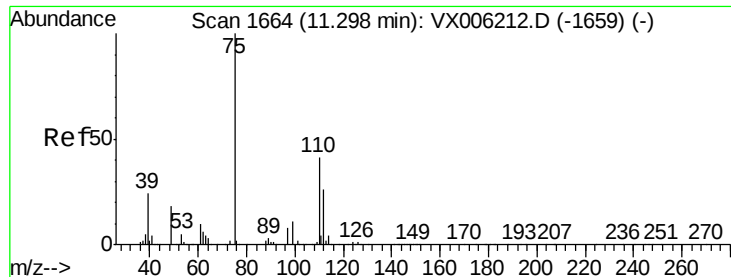
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006445.D
Acq: 12 Dec 2018 15:20

Tgt Ion:152 Resp: 501011
Ion Ratio Lower Upper
152 100
115 55.5 39.0 116.9
150 157.1 0.0 345.8



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





#76

1,2,3-Trichloropropane

Concen: 23.212 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

Instrument :

MSVOA_X

ClientSampleId :

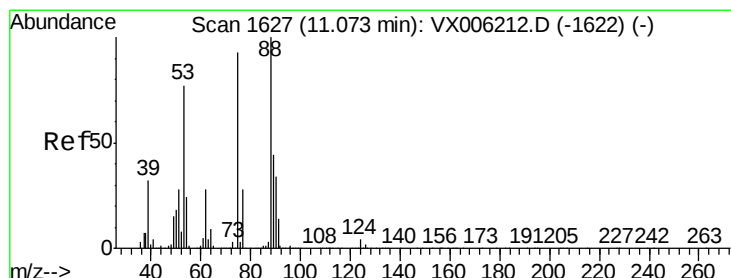
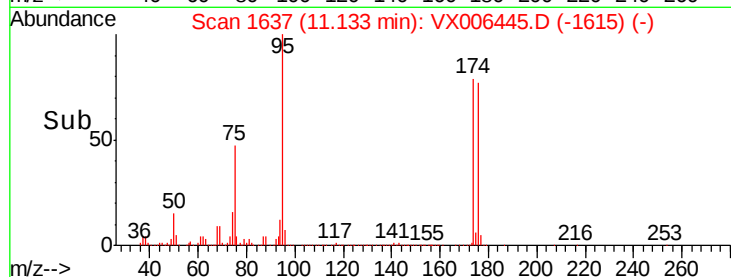
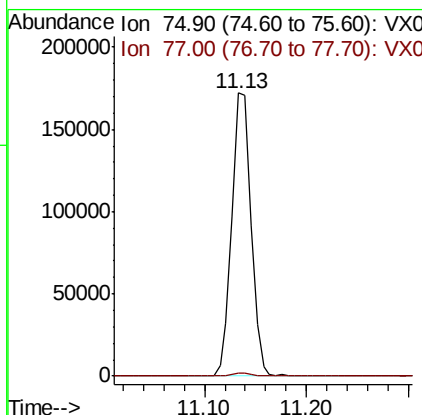
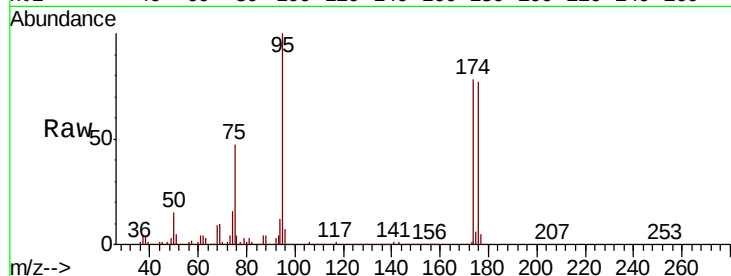
BP-HN-MW271-20181210

Tot Ion: 75 Resp: 224465

Ion Ratio Lower Upper

75 100

77 1.5 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.472 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006445.D

Acq: 12 Dec 2018 15:20

Tgt Ion: 75 Resp: 224465

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

