

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008120.D
 Acq On : 15 Mar 2019 21:43
 Operator : JC/SP
 Sample : K1856-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW29D-20190310

Quant Time: Mar 16 01:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	357124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178728	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	125466	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	5.51	113	122130	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	8.71	98	451643	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	167312	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	

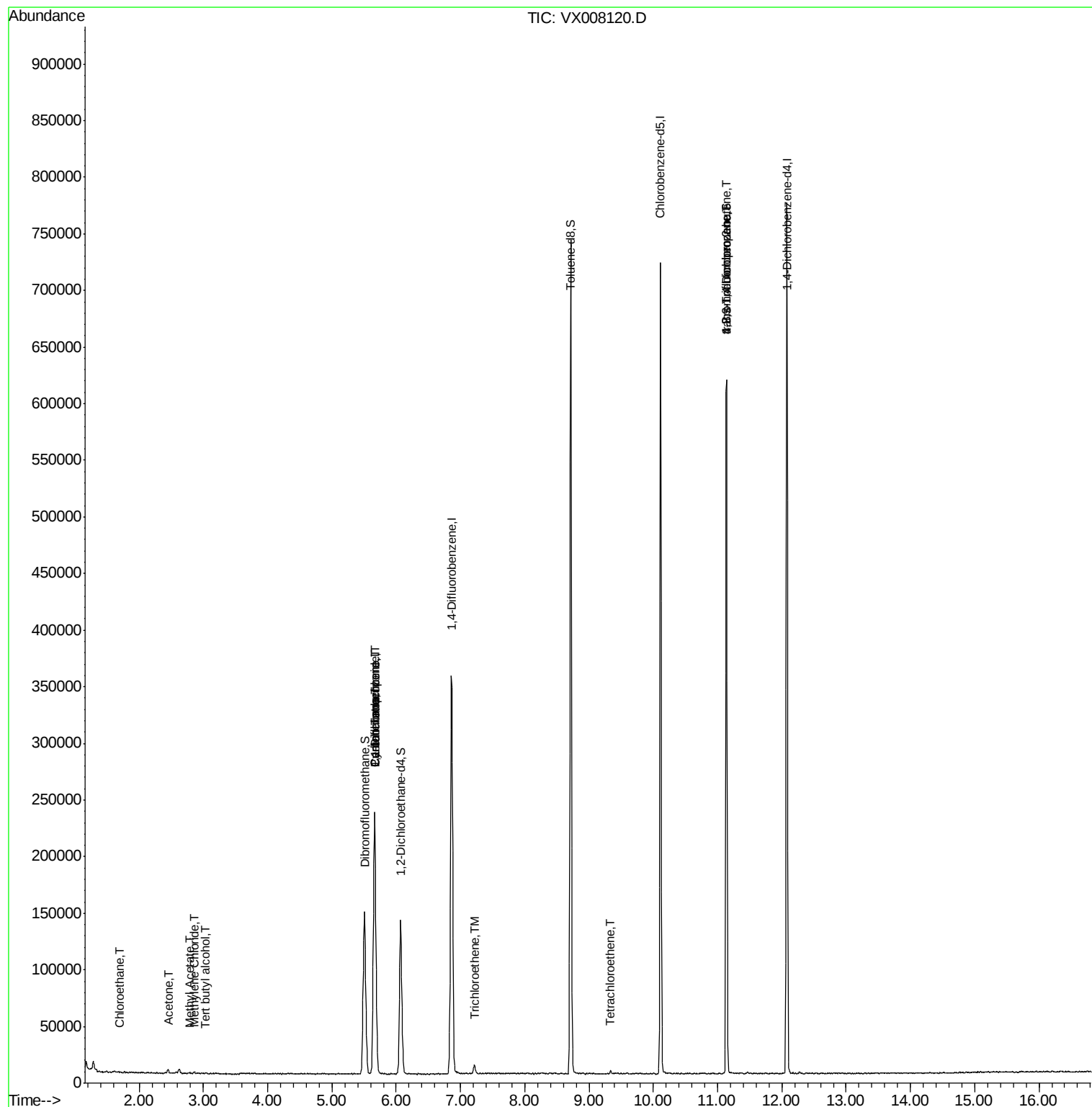
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	231	Below Cal		90
6) Chloroethane	1.70	64	1414	0.490	ug/l #	73
11) Tert butyl alcohol	3.03	59	107	0.221	ug/l #	73
16) Acetone	2.45	43	3083	2.604	ug/l	92
18) Methyl Acetate	2.78	43	576	0.225	ug/l #	88
20) Methylene Chloride	2.86	84	683	0.323	ug/l #	85
31) Cyclohexane	5.67	56	3205	0.894	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14042	4.531	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20195	6.770	ug/l #	17
44) Trichloroethene	7.21	130	3550	1.296	ug/l	77
64) Tetrachloroethene	9.34	164	658	0.227	ug/l #	70
76) 1,2,3-Trichloropropane	11.13	75	74098	23.872	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	74098	67.931	ug/l #	11

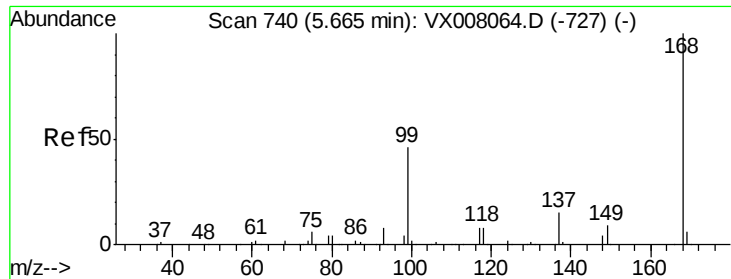
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008120.D

Acq: 15 Mar 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

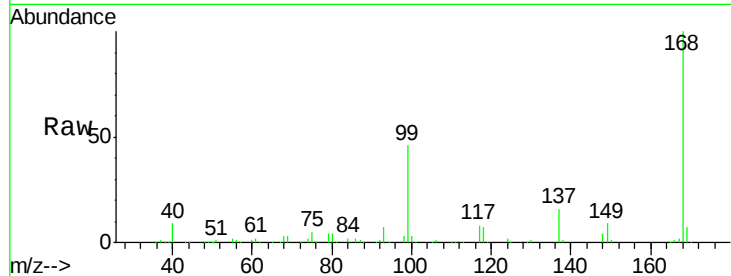
BP-HN-MW29D-20190310

Tot Ion:168 Resp: 248635

Ion Ratio Lower Upper

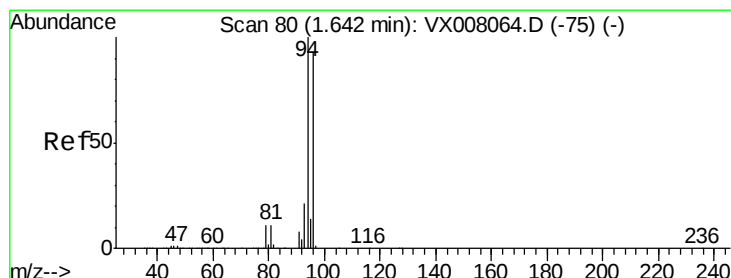
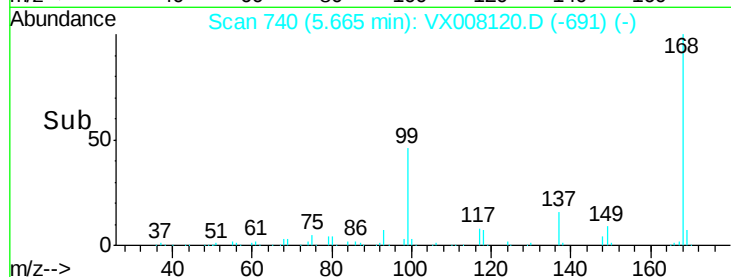
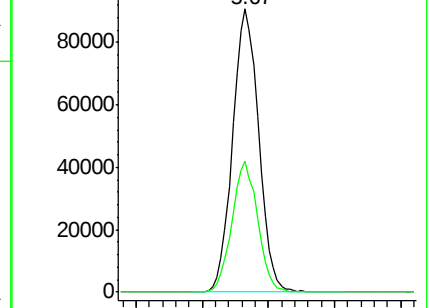
168 100

99 46.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008120.D

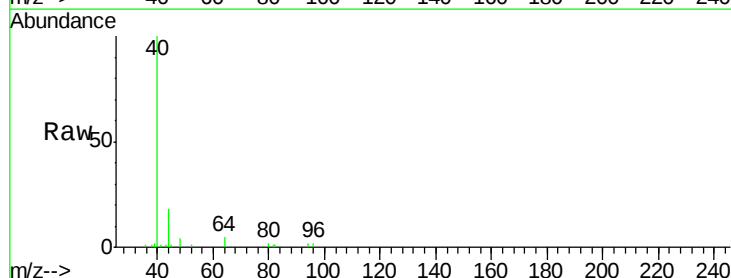
Acq: 15 Mar 2019 21:43

Tgt Ion: 94 Resp: 231

Ion Ratio Lower Upper

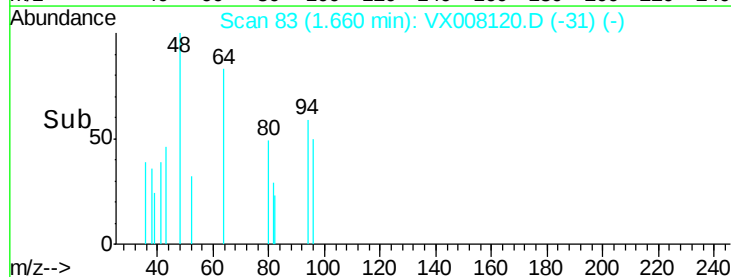
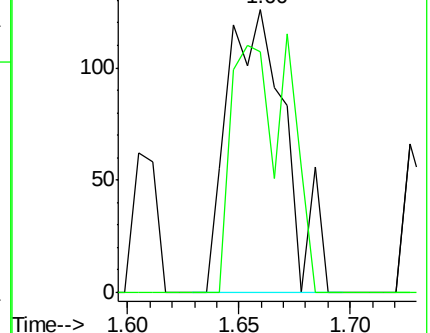
94 100

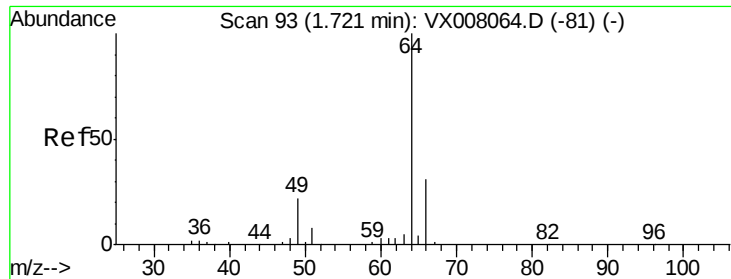
96 84.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.490 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008120.D

Acq: 15 Mar 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

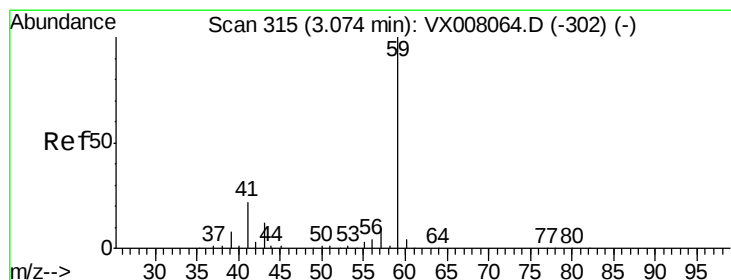
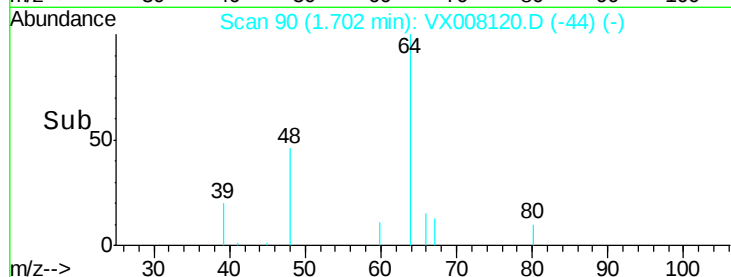
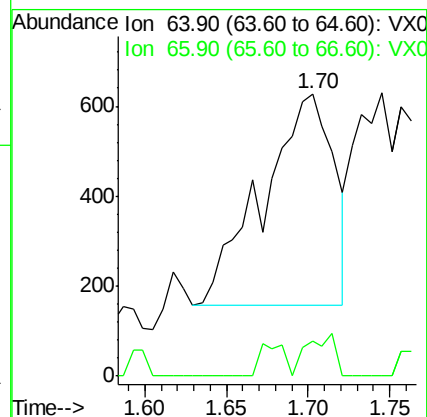
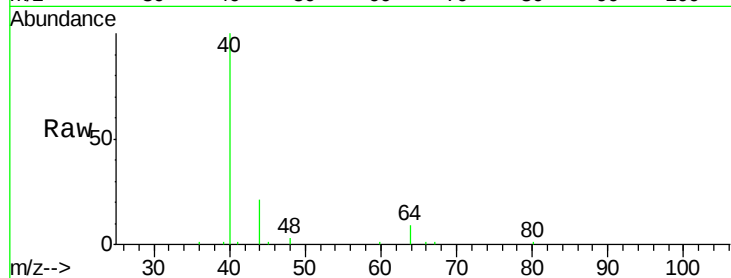
BP-HN-MW29D-20190310

Tot Ion: 64 Resp: 1414

Ion Ratio Lower Upper

64 100

66 16.8 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.221 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.04 min

Lab File: VX008120.D

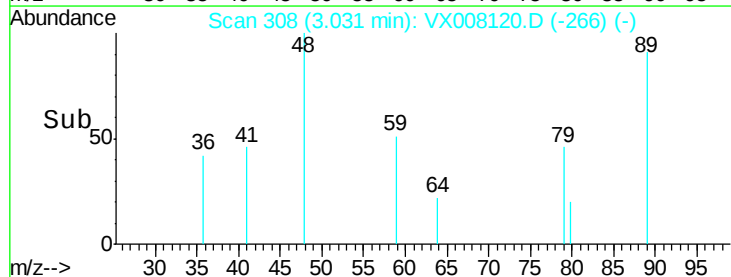
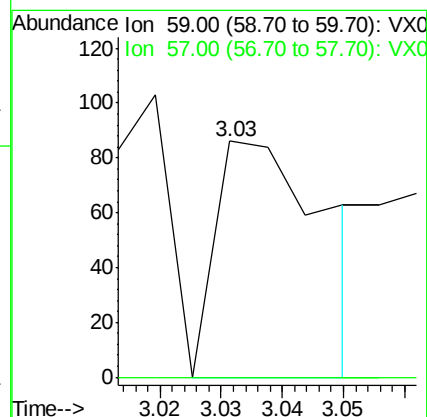
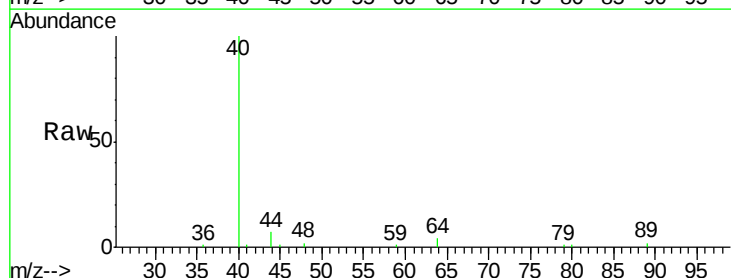
Acq: 15 Mar 2019 21:43

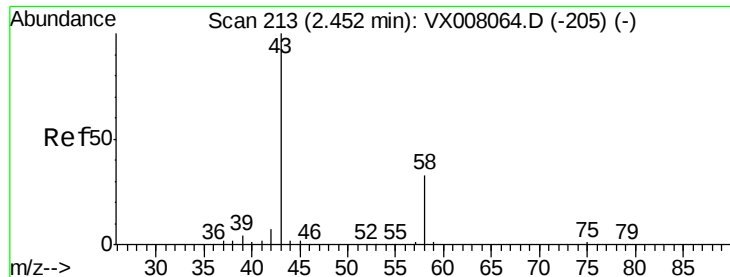
Tgt Ion: 59 Resp: 107

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: 2.604 ug/l

RT: 2.45 min Scan# 213

Delta R.T. -0.00 min

Lab File: VX008120.D

Acq: 15 Mar 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

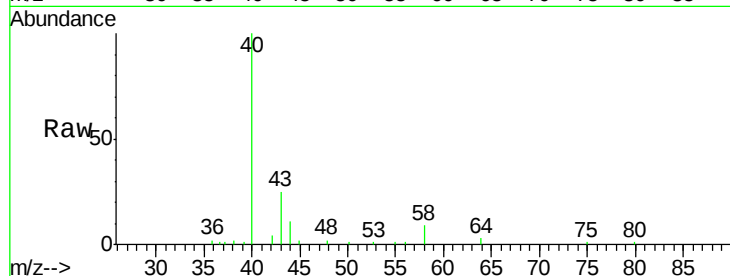
BP-HN-MW29D-20190310

Tot Ion: 43 Resp: 3083

Ion Ratio Lower Upper

43 100

58 36.4 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

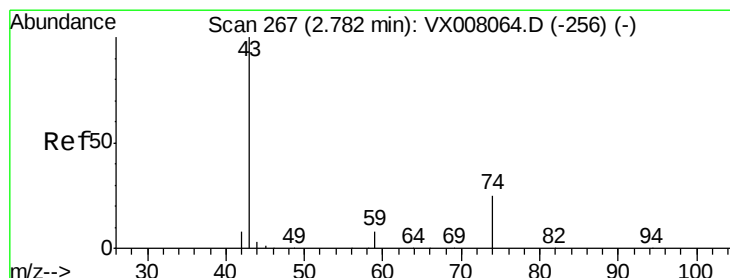
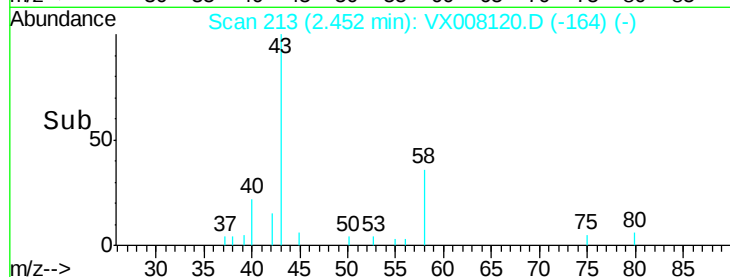
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 0.225 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX008120.D

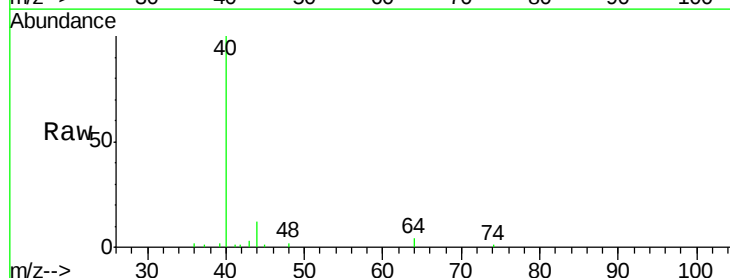
Acq: 15 Mar 2019 21:43

Tgt Ion: 43 Resp: 576

Ion Ratio Lower Upper

43 100

74 16.5 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

250

200

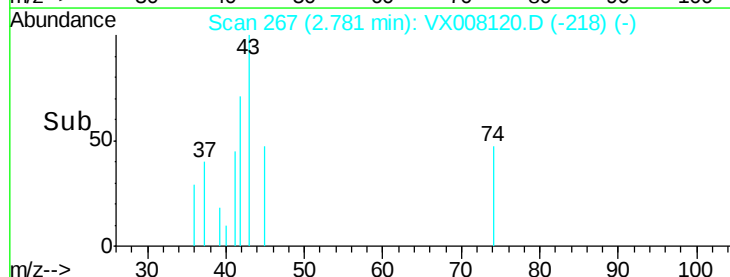
150

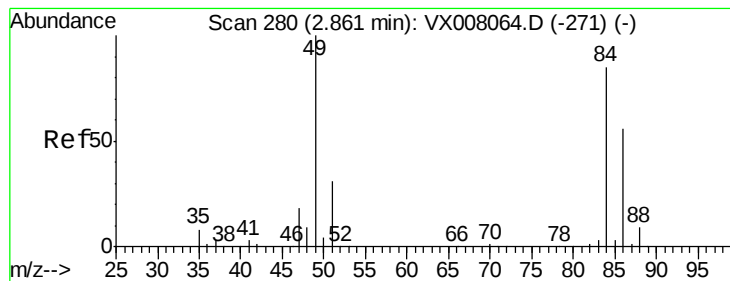
100

50

0

Time--> 2.75 2.80 2.85





#20

Methvlene Chloride

Concen: 0.323 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008120.D

Acq: 15 Mar 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW29D-20190310

Tot Ion: 84 Resp: 683

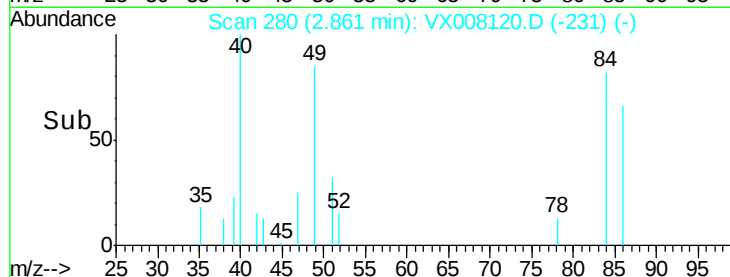
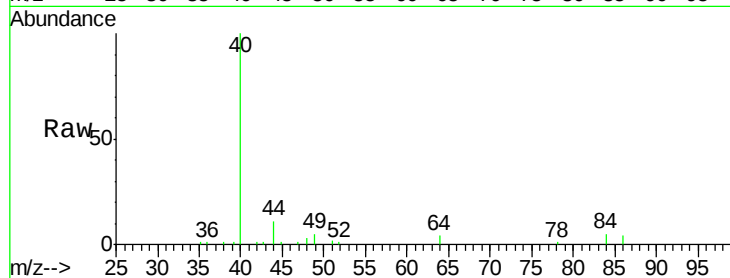
Ion Ratio Lower Upper

84 100

49 103.3 99.3 148.9

51 39.1 31.3 46.9

86 80.6 52.6 79.0#

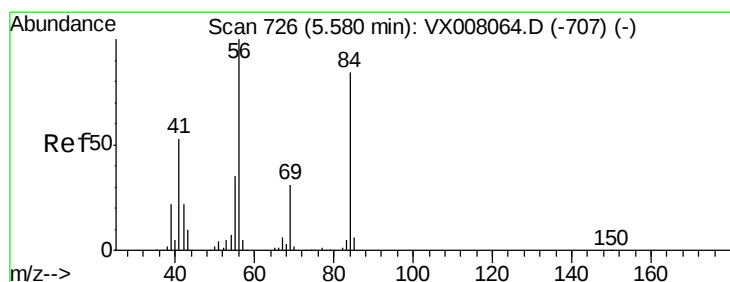
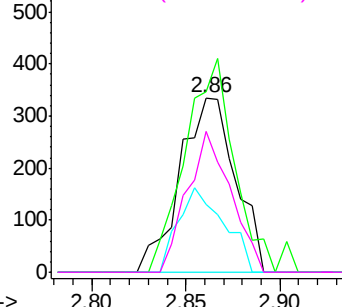


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 0.894 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008120.D

Acq: 15 Mar 2019 21:43

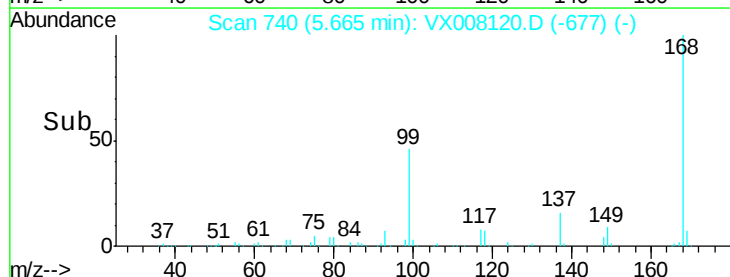
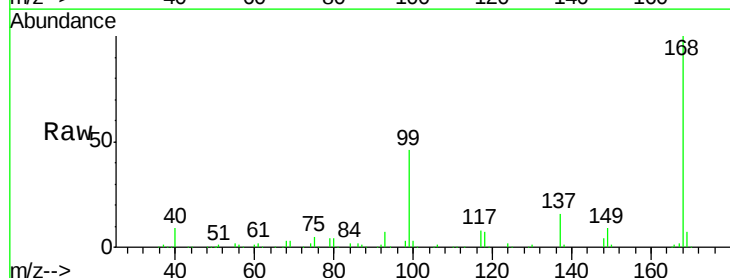
Tgt Ion: 56 Resp: 3205

Ion Ratio Lower Upper

56 100

69 195.7 24.0 36.0#

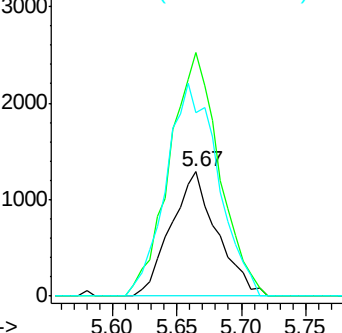
84 147.6 65.3 97.9#

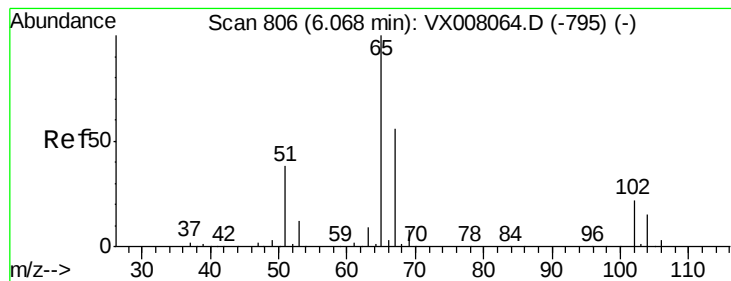


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.025 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008120.D

Acq: 15 Mar 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

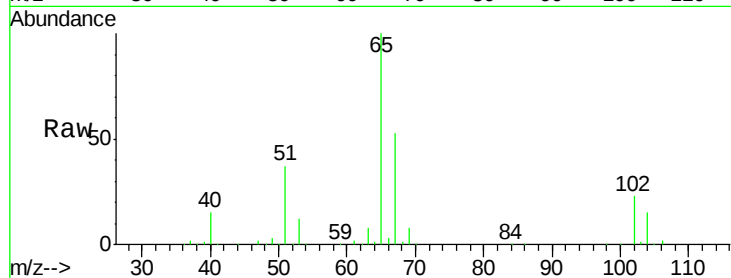
BP-HN-MW29D-20190310

Tot Ion: 65 Resp: 125466

Ion Ratio Lower Upper

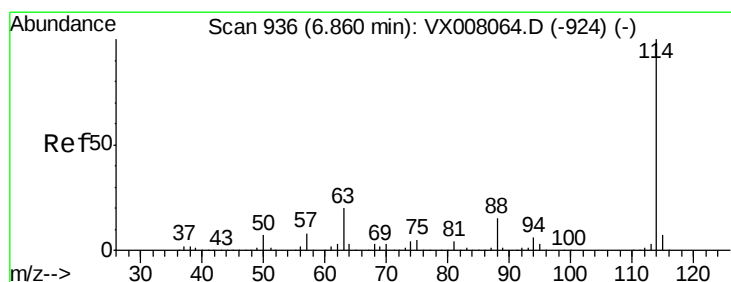
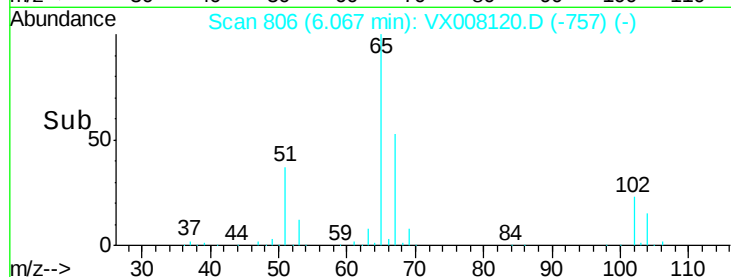
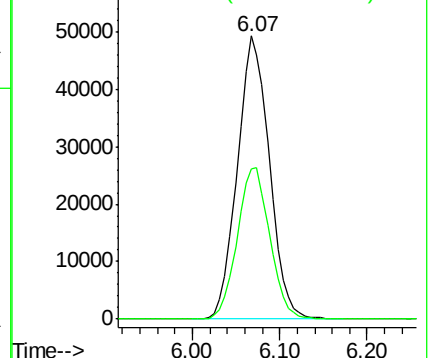
65 100

67 54.3 0.0 110.0



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: VX008120.D

Acq: 15 Mar 2019 21:43

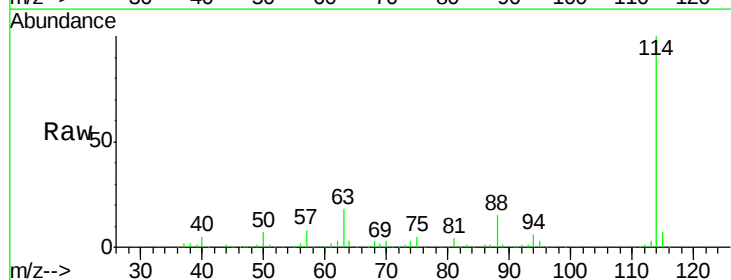
Tgt Ion: 114 Resp: 376721

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.8

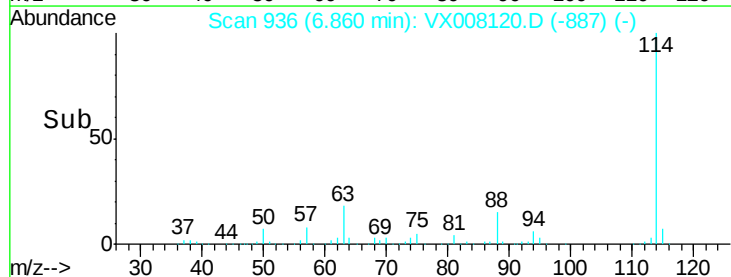
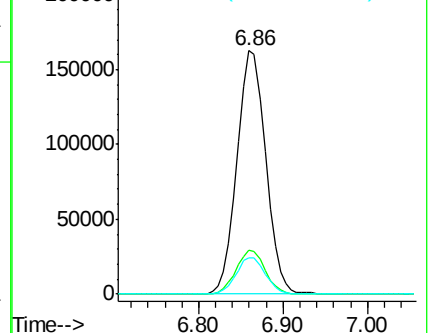
88 15.1 0.0 31.4

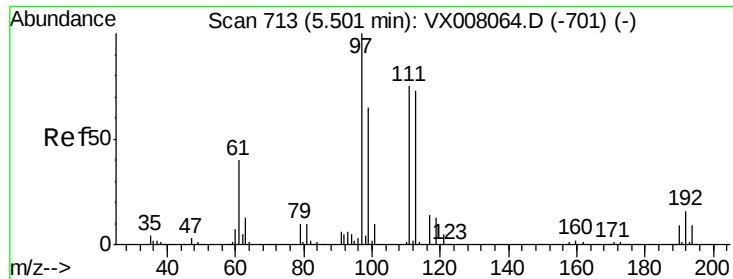


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

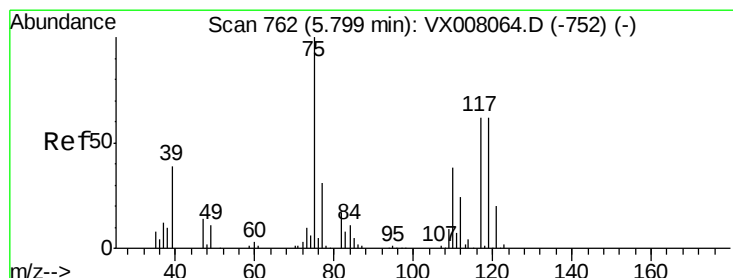
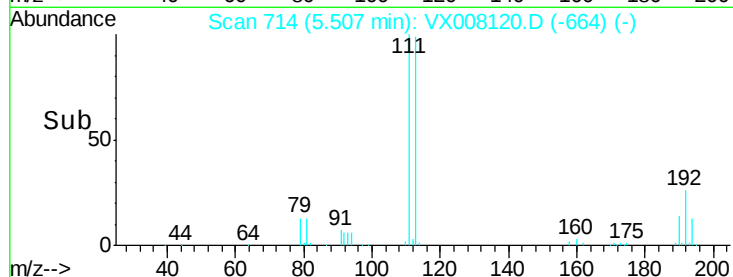
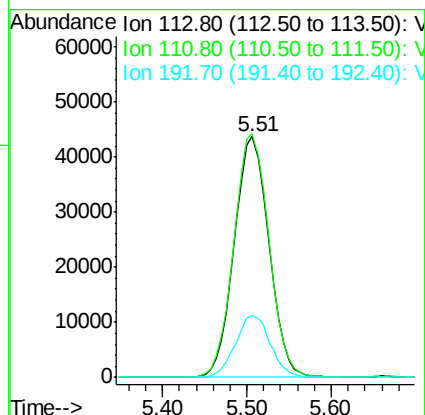
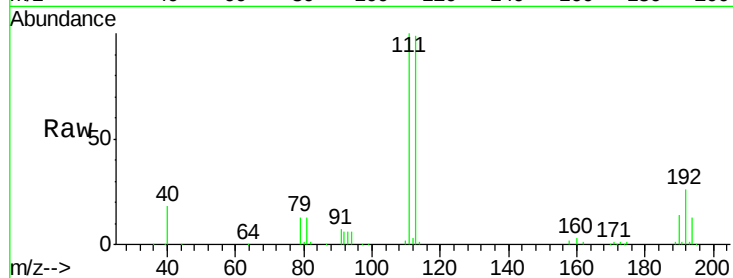




#35
Dibromofluoromethane
Concen: 51.123 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

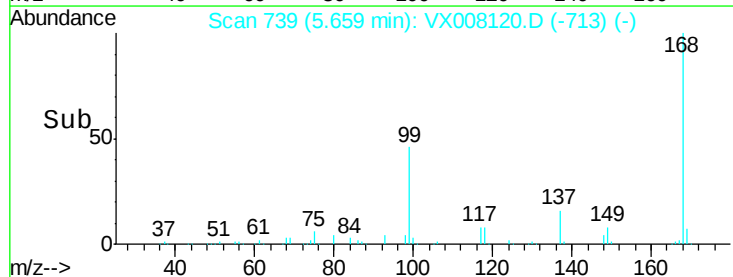
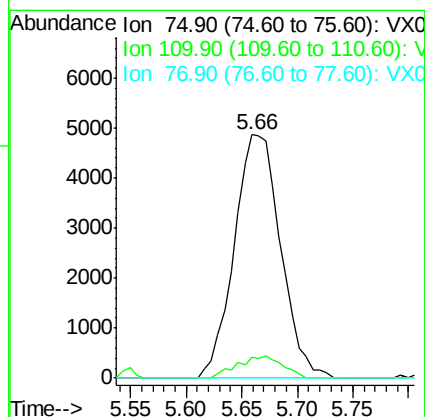
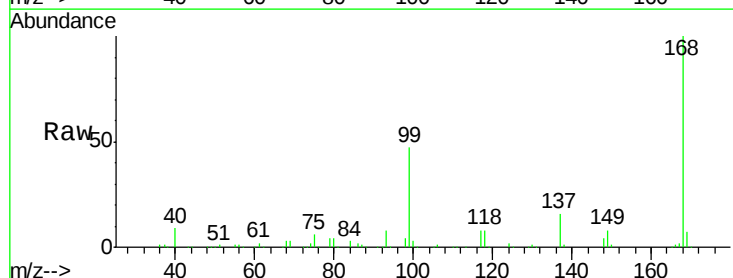
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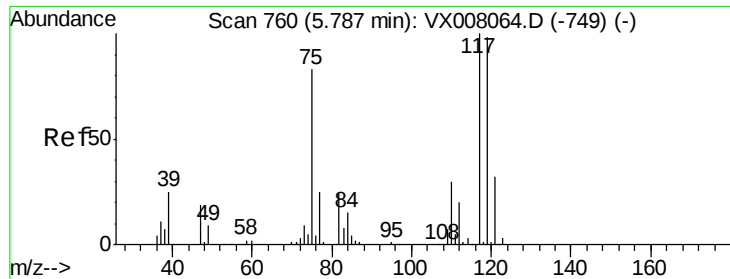
Tot Ion:113 Resp: 122130
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 25.8 19.4 29.0



#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

Tgt Ion: 75 Resp: 14042
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.0#
77 0.0 25.0 37.4#

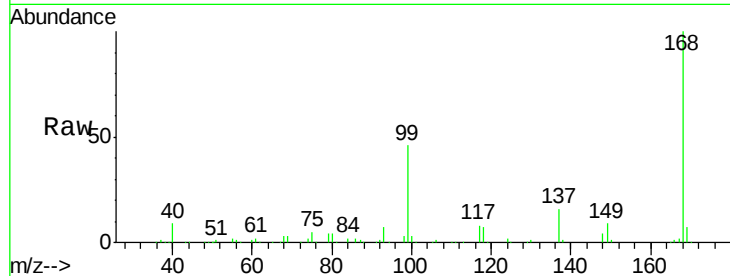




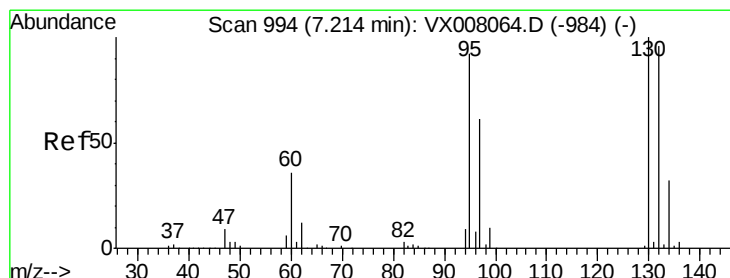
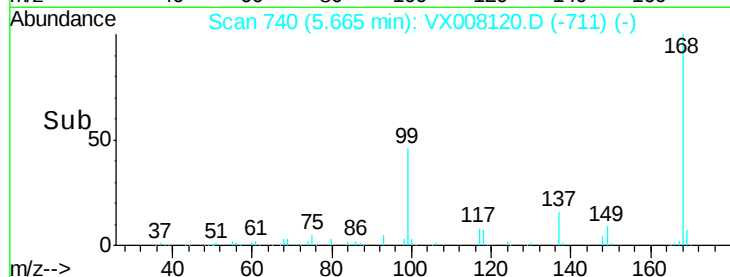
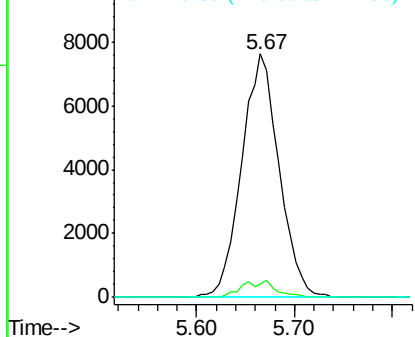
#38
Carbon Tetrachloride
Concen: 6.770 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW29D-20190310

Tot Ion:117 Resp: 20195
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.6 36.8#

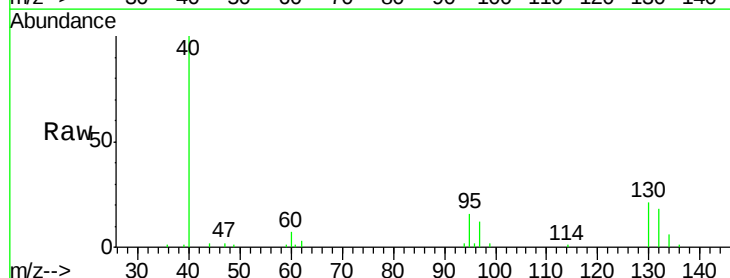


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

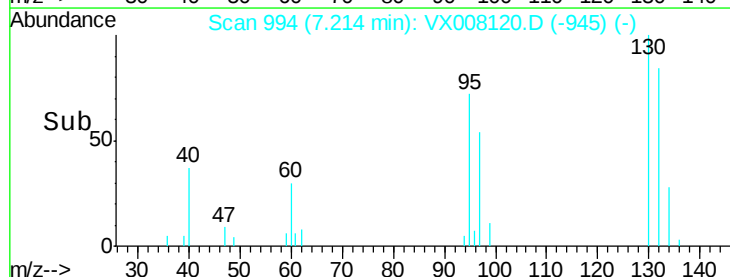
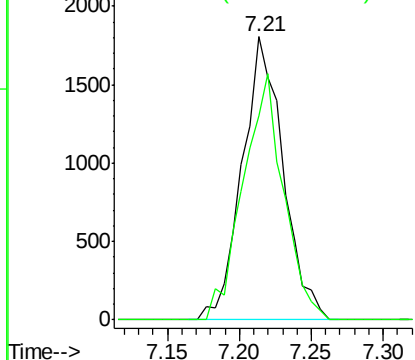


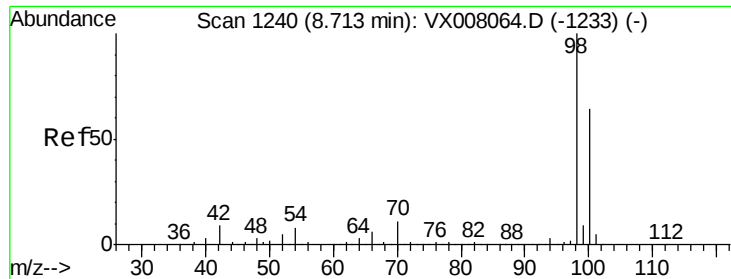
#44
Trichloroethene
Concen: 1.296 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

Tgt Ion:130 Resp: 3550
Ion Ratio Lower Upper
130 100
95 72.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

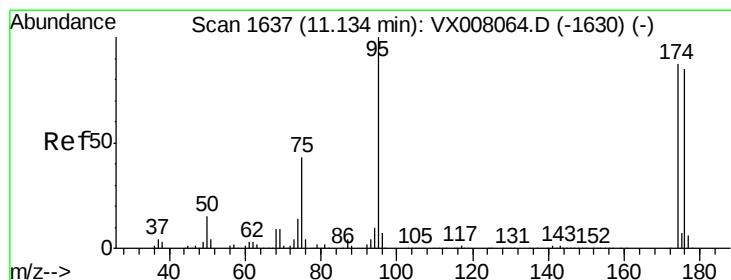
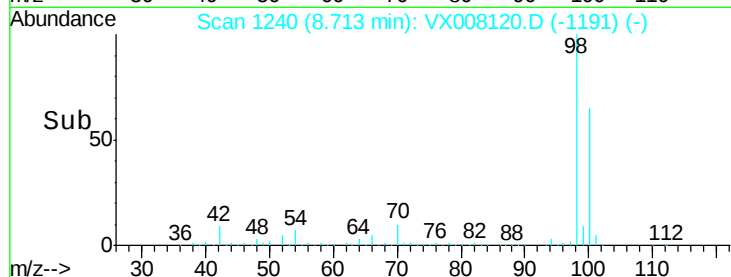
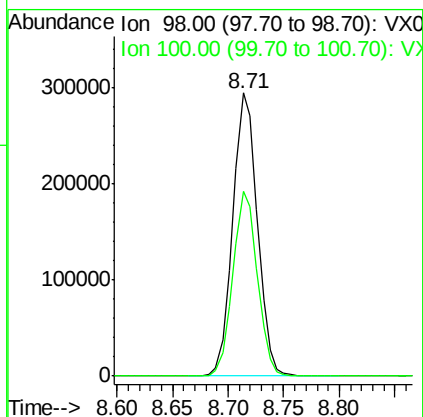
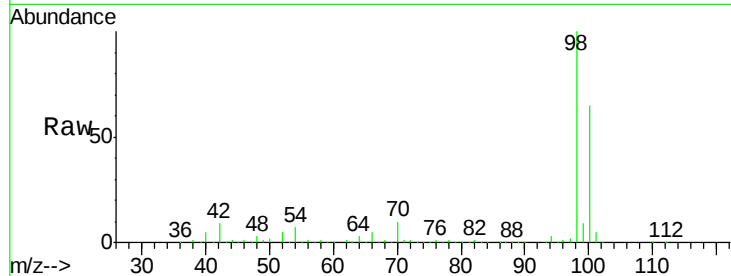




#50
Toluene-d8
Concen: 49.708 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

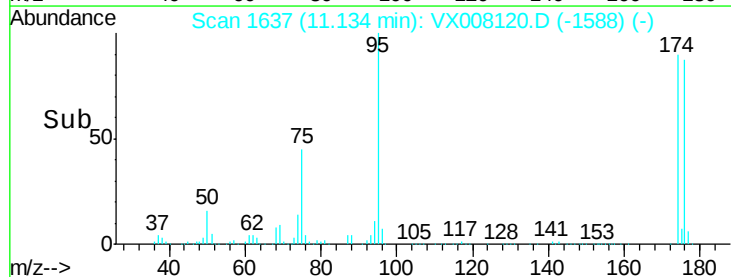
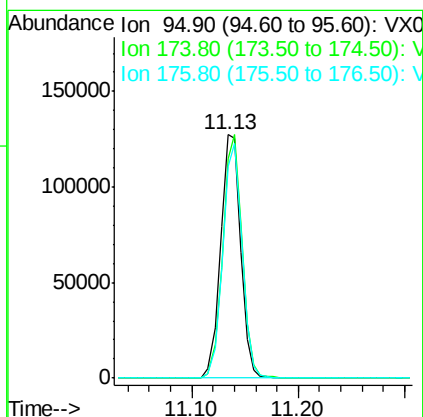
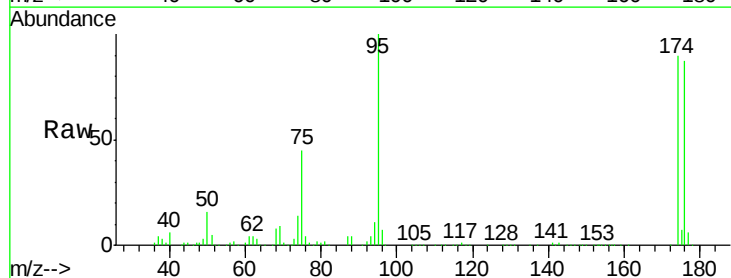
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW29D-20190310

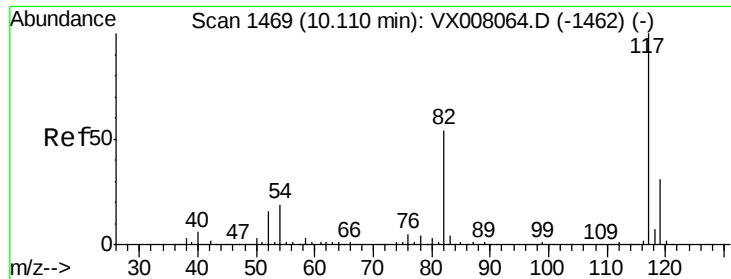
Tot Ion: 98 Resp: 451643
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 51.403 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

Tgt Ion: 95 Resp: 167312
Ion Ratio Lower Upper
95 100
174 96.5 0.0 182.8
176 93.3 0.0 178.0

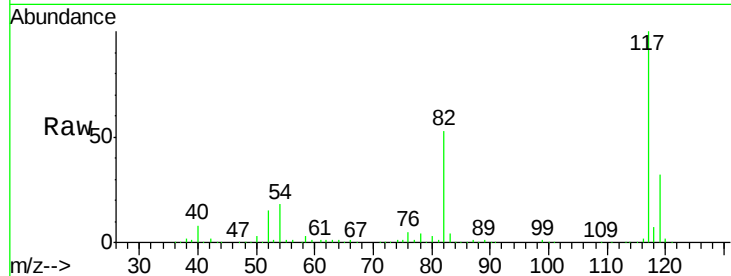




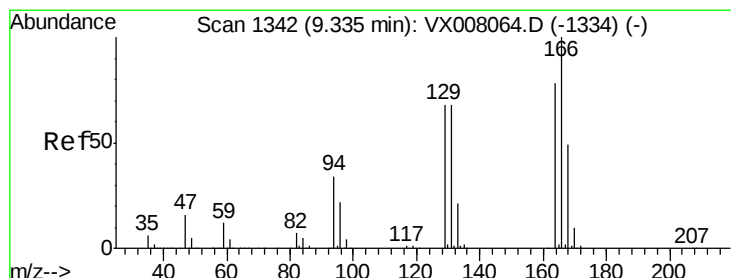
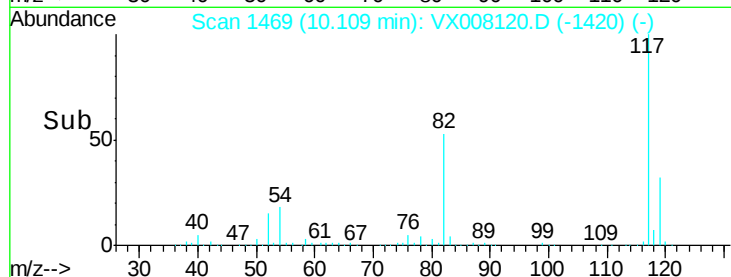
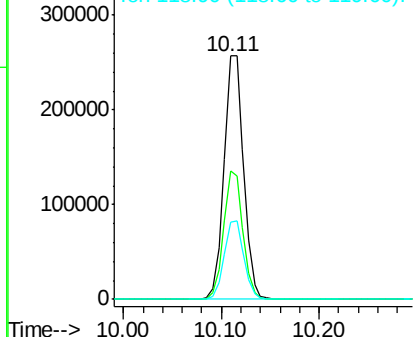
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW29D-20190310

Tot Ion:117 Resp: 357124
Ion Ratio Lower Upper
117 100
82 52.9 44.3 66.5
119 31.9 25.3 37.9

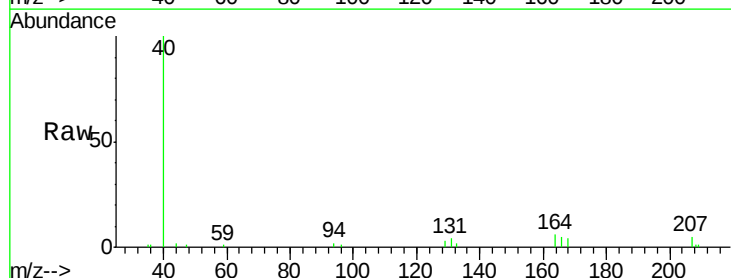


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

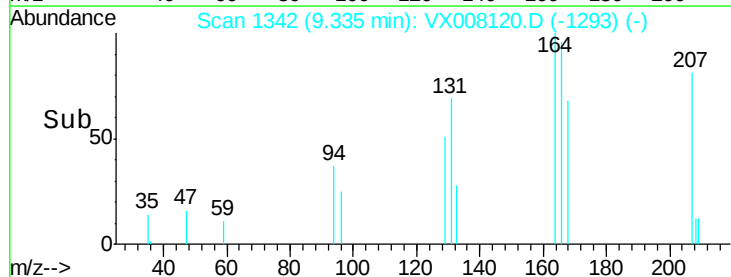
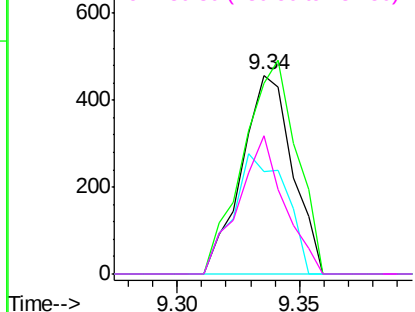


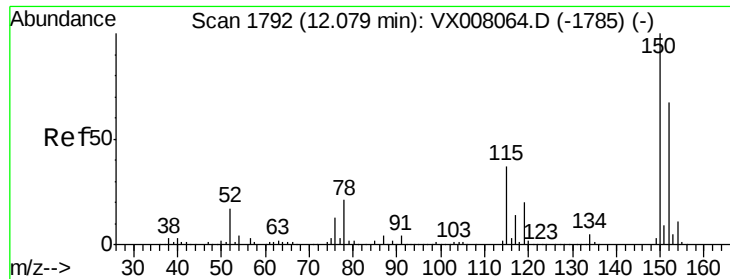
#64
Tetrachloroethene
Concen: 0.227 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008120.D
Acq: 15 Mar 2019 21:43

Tgt Ion:164 Resp: 658
Ion Ratio Lower Upper
164 100
166 96.1 103.4 155.0#
129 51.3 72.2 108.4#
131 69.4 69.4 104.2#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX008120.D

Acq: 15 Mar 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW29D-20190310

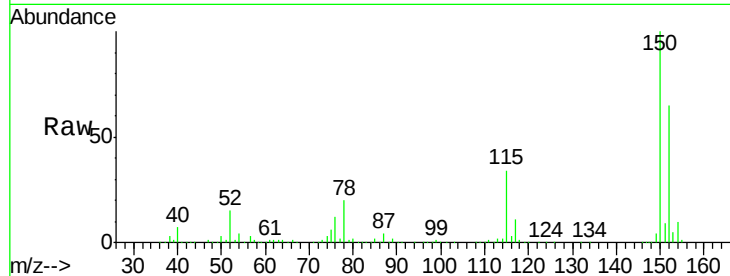
Tot Ion:152 Resp: 178728

Ion Ratio Lower Upper

152 100

115 54.0 38.6 115.7

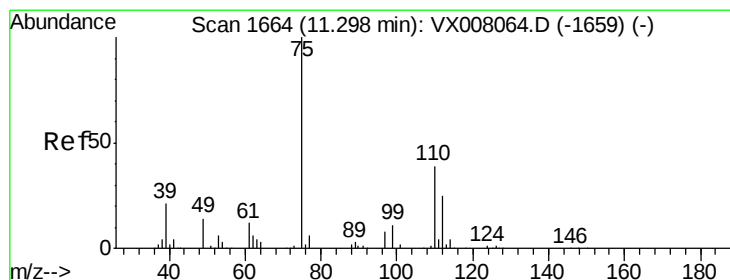
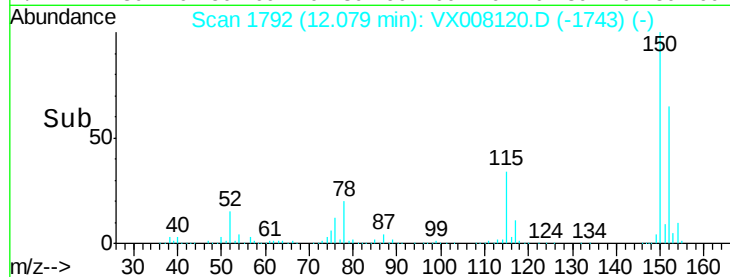
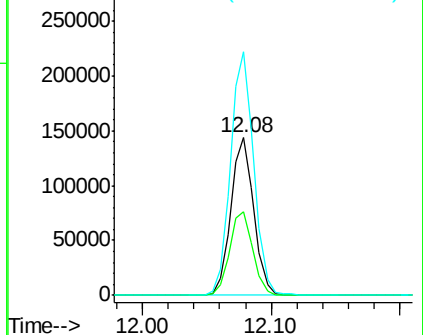
150 156.5 0.0 348.4



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: 23.872 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008120.D

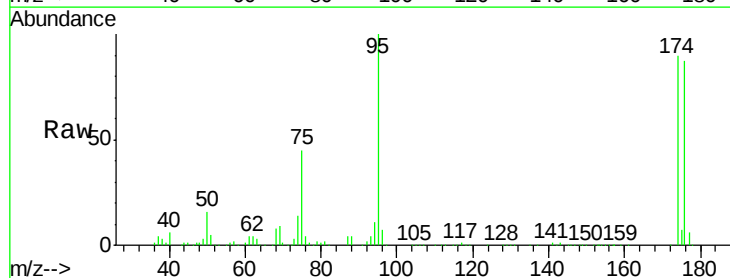
Acq: 15 Mar 2019 21:43

Tgt Ion: 75 Resp: 74098

Ion Ratio Lower Upper

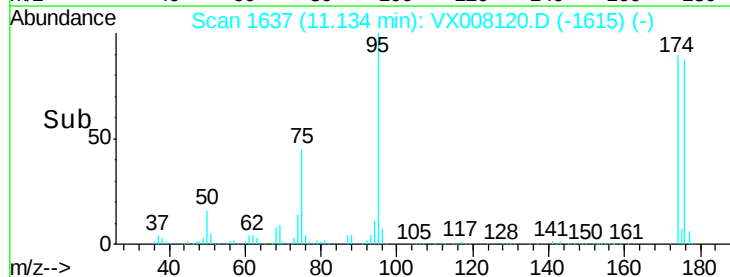
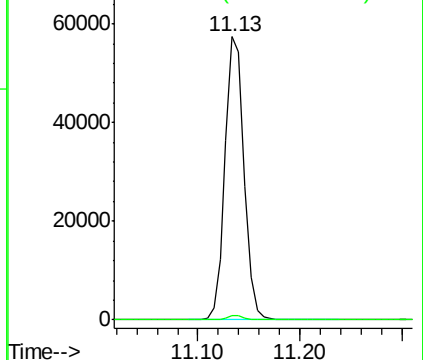
75 100

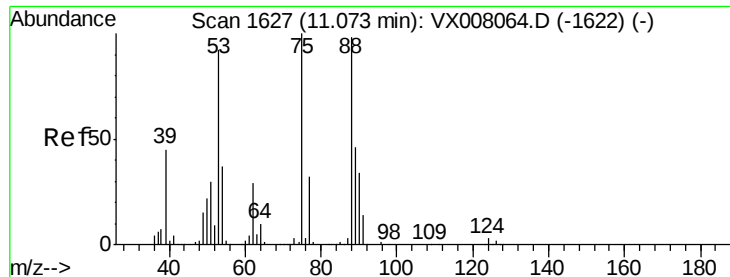
77 1.3 18.9 56.7#



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: 67.931 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008120.D

Acq: 15 Mar 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW29D-20190310

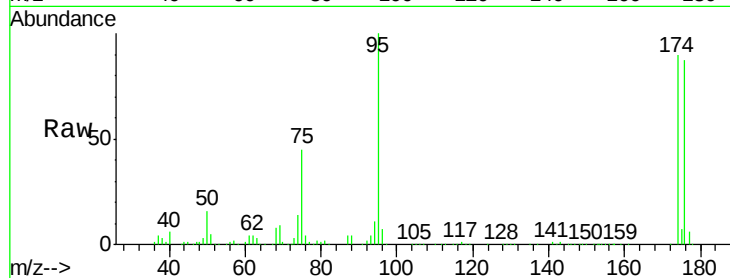
Tot Ion: 75 Resp: 74098

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

