

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008296.D
 Acq On : 21 Mar 2019 17:27
 Operator : JC/SP
 Sample : K1963-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24S-20190315

Quant Time: Mar 22 08:45:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	412275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139645	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	174914	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
35) Dibromofluoromethane	5.50	113	128803	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
50) Toluene-d8	8.71	98	509608	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.13	95	158491	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

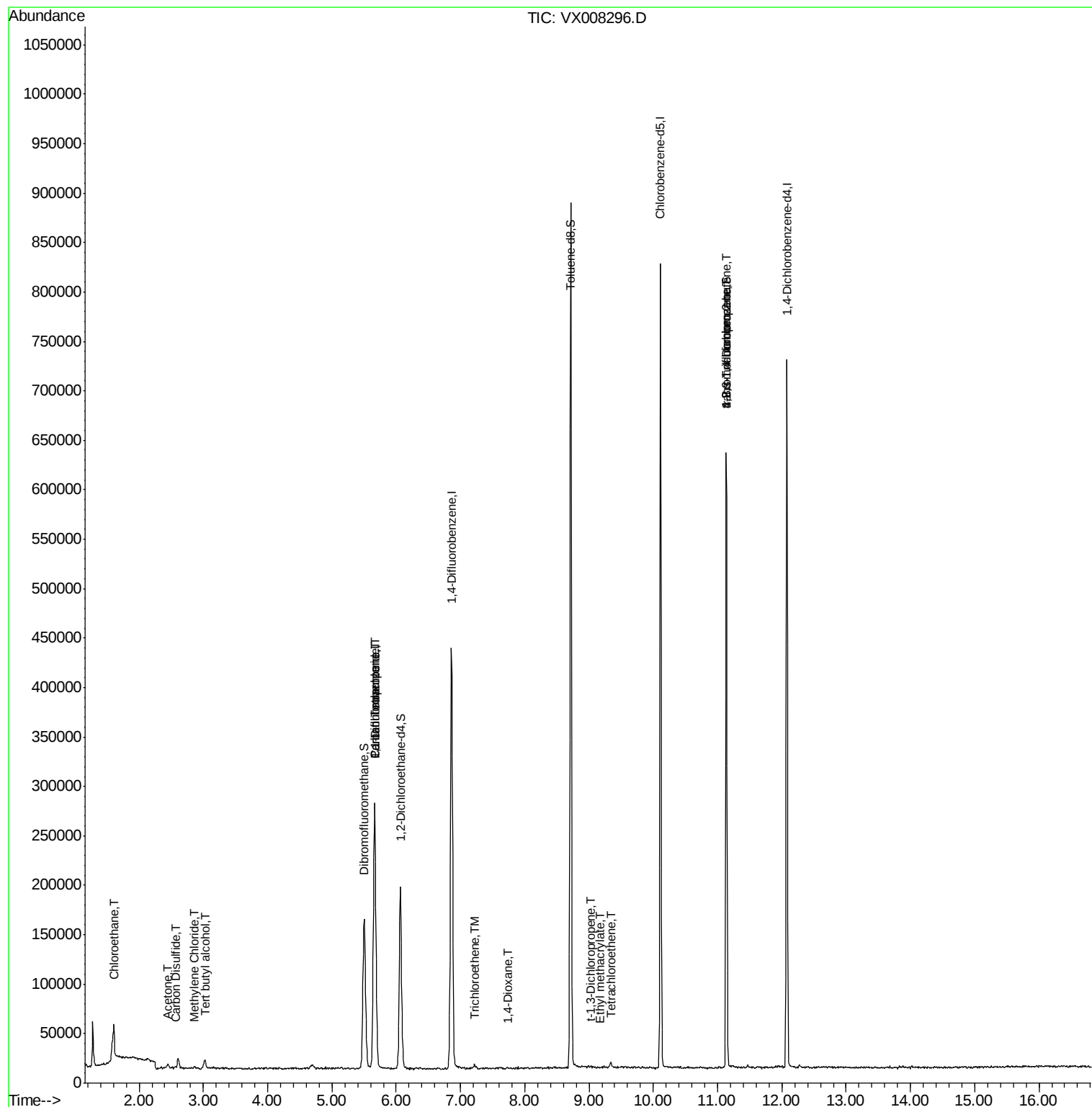
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	30091	12.518	ug/l #	46
11) Tert butyl alcohol	3.02	59	5788	7.103	ug/l #	73
13) Acrolein	2.28	56	155	Below Cal	#	27
16) Acetone	2.45	43	4470	2.070	ug/l	95
17) Carbon Disulfide	2.57	76	836	0.758	ug/l #	91
20) Methylene Chloride	2.86	84	837	0.232	ug/l #	83
36) 1,1-Dichloropropene	5.67	75	19862	4.138	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24446	5.716	ug/l #	16
44) Trichloroethene	7.22	130	1586	0.457	ug/l	87
49) 1,4-Dioxane	7.74	88	81	0.949	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	101	1.439	ug/l #	43
56) Ethyl methacrylate	9.16	69	85	0.540	ug/l #	1
64) Tetrachloroethene	9.34	164	1005	0.321	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	83892	21.359	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	83892	54.323	ug/l #	12

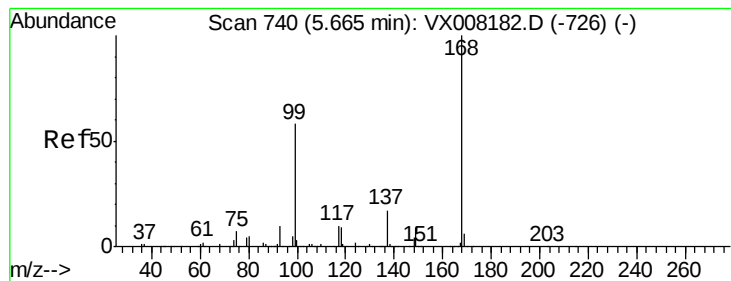
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-HN-MW24S-20190315

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

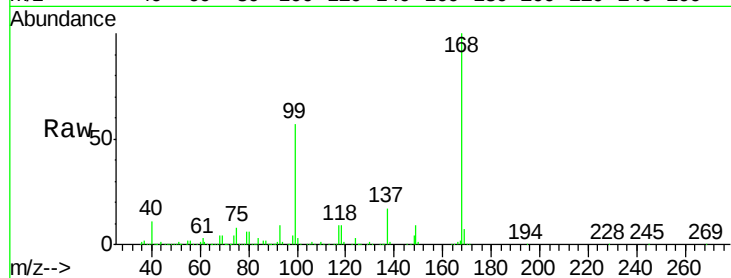
BP-HN-MW24S-20190315

Tot Ion:168 Resp: 252751

Ion Ratio Lower Upper

168 100

99 56.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

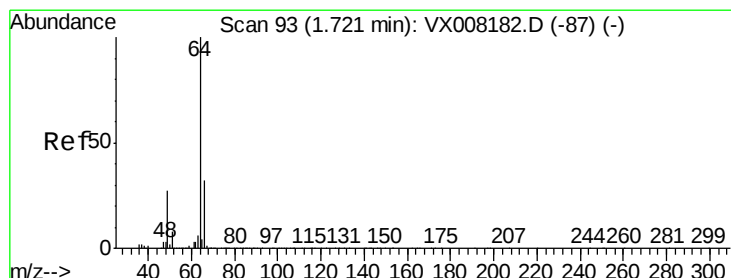
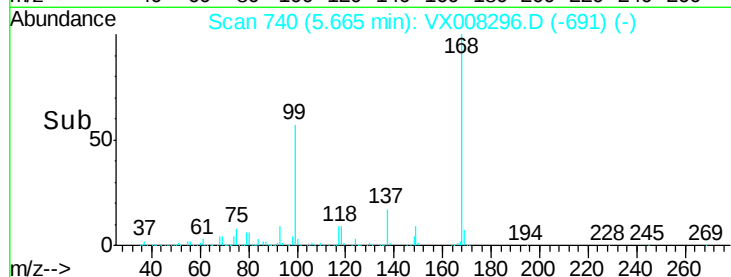
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 12.518 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008296.D

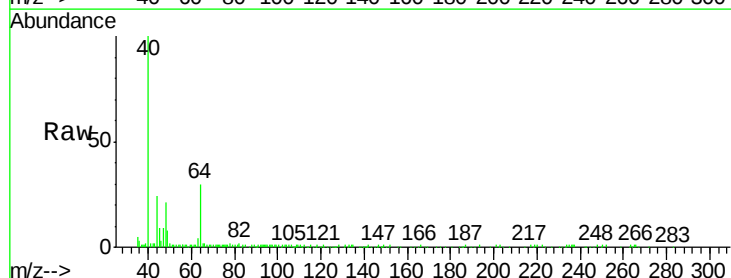
Acq: 21 Mar 2019 17:27

Tgt Ion: 64 Resp: 30091

Ion Ratio Lower Upper

64 100

66 1.7 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

6000

5000

4000

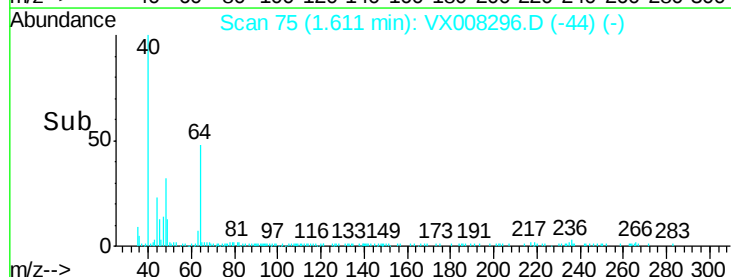
3000

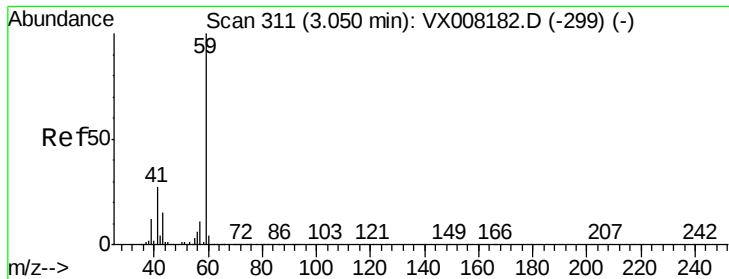
2000

1000

0

Time-->



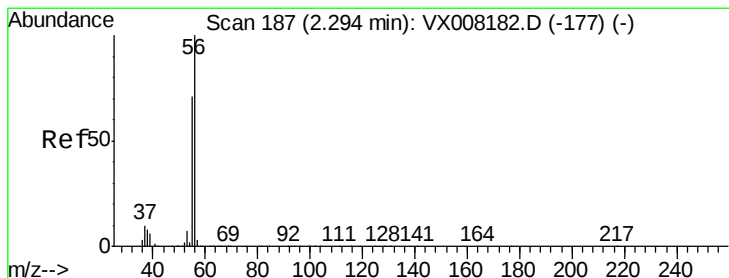
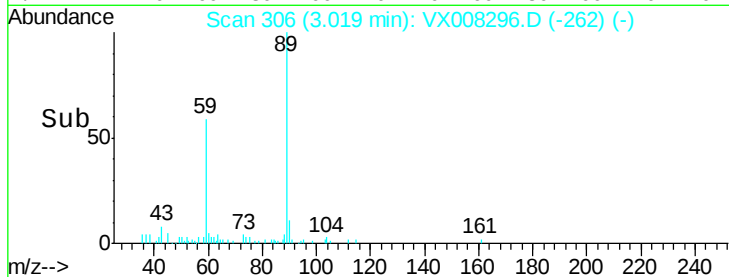
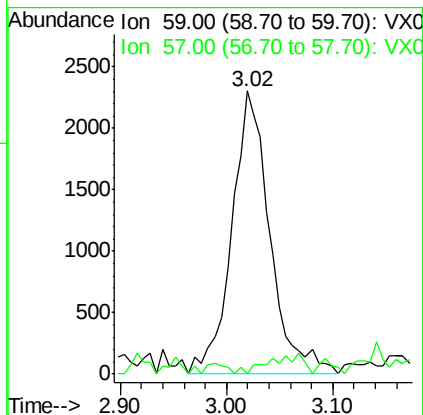
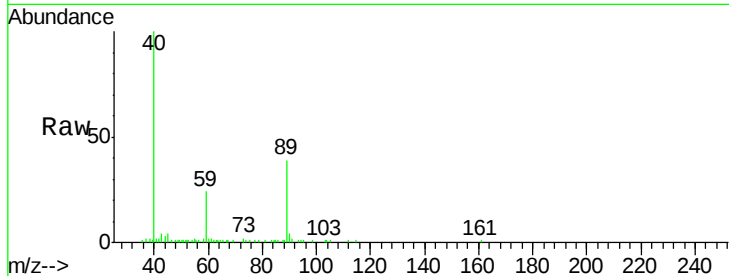


#11

Tert butyl alcohol
 Concen: 7.103 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008296.D
 Acq: 21 Mar 2019 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24S-20190315

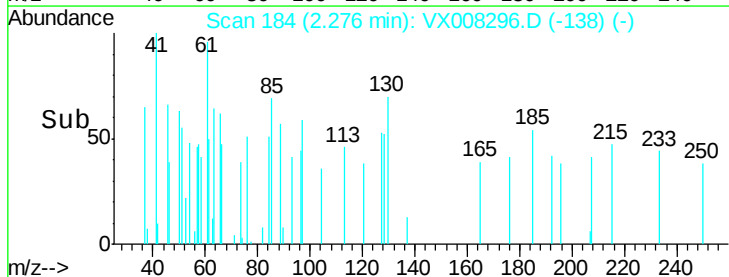
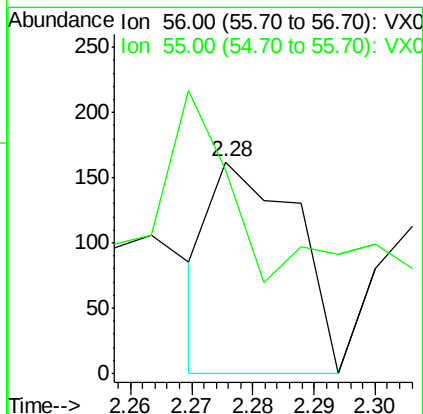
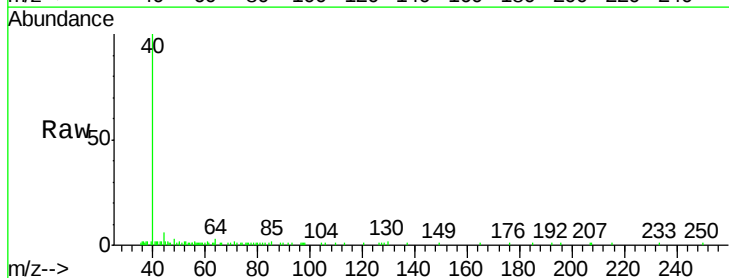
Tot Ion: 59 Resp: 5788
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

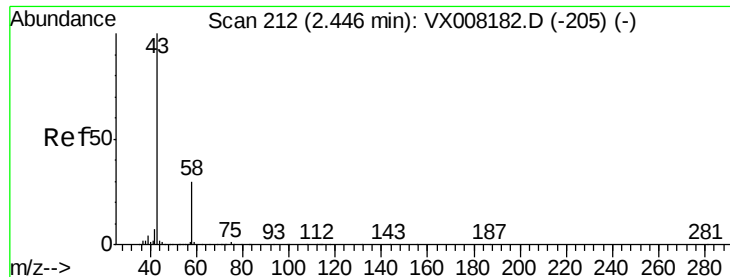


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX008296.D
 Acq: 21 Mar 2019 17:27

Tgt Ion: 56 Resp: 155
 Ion Ratio Lower Upper
 56 100
 55 132.9 57.8 86.6#





#16

Acetone

Concen: 2.070 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

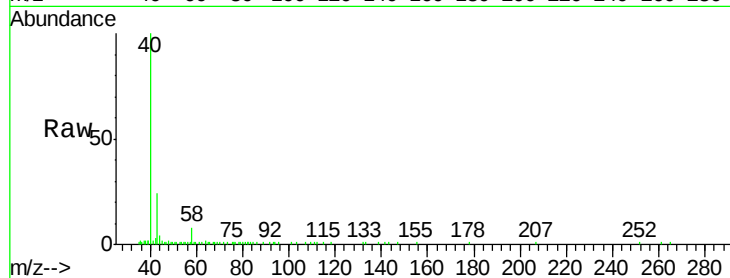
BP-HN-MW24S-20190315

Tot Ion: 43 Resp: 4470

Ion Ratio Lower Upper

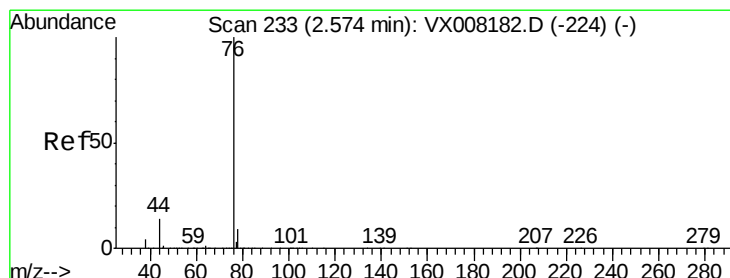
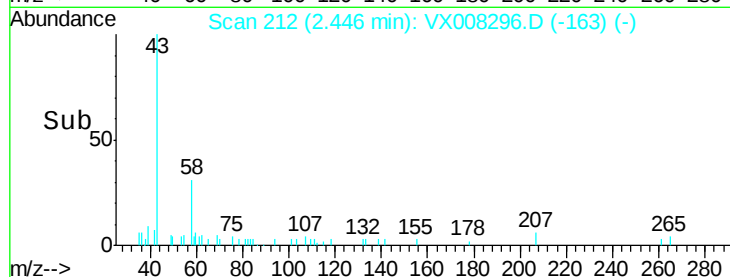
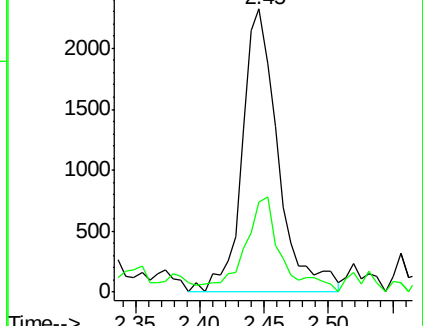
43 100

58 34.8 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.758 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008296.D

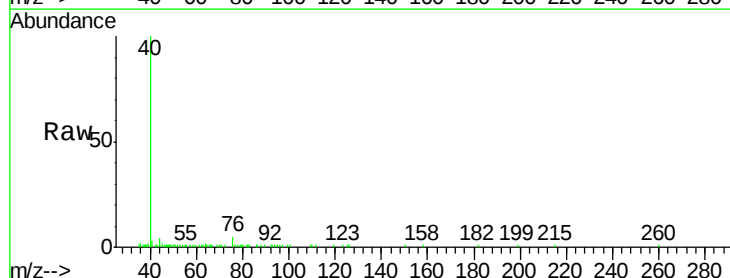
Acq: 21 Mar 2019 17:27

Tgt Ion: 76 Resp: 836

Ion Ratio Lower Upper

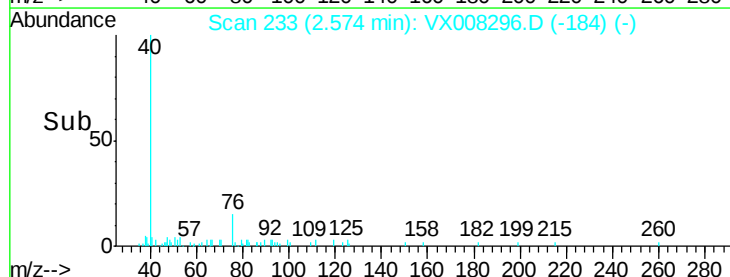
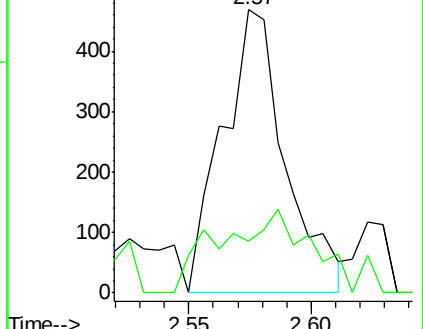
76 100

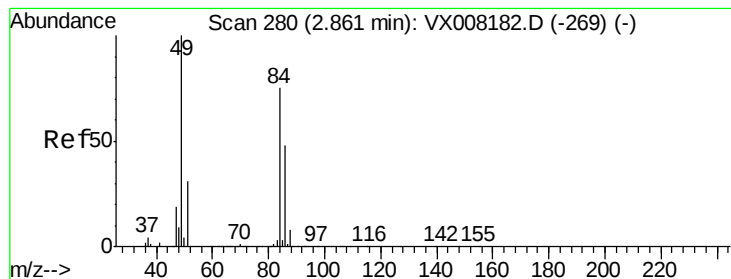
78 5.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.232 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190315

Tot Ion: 84 Resp: 837

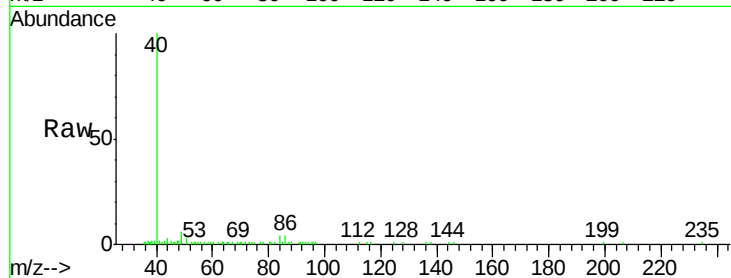
Ion Ratio Lower Upper

84 100

49 135.8 99.3 148.9

51 35.5 31.3 46.9

86 94.3 52.6 79.0#

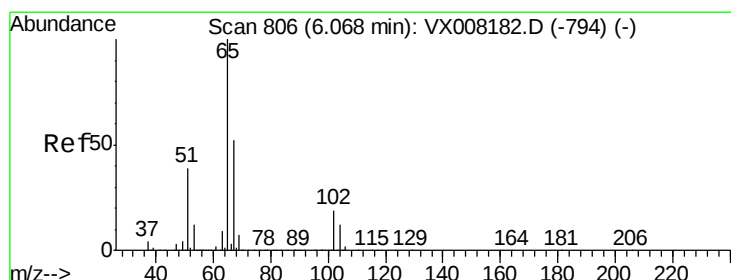
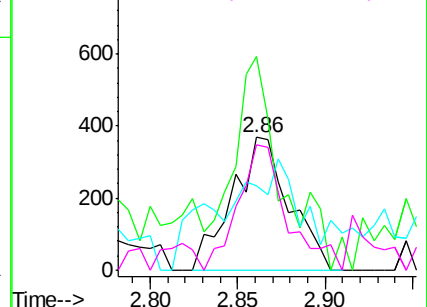
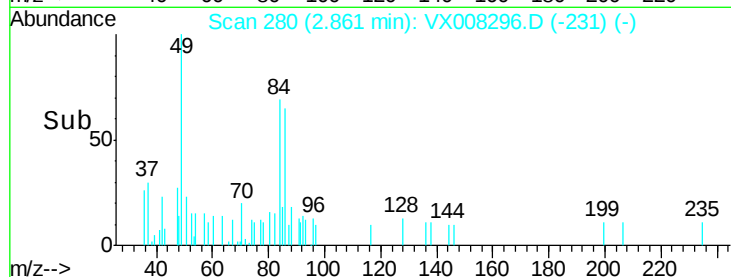


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#33

1,2-Dichloroethane-d4

Concen: 45.950 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008296.D

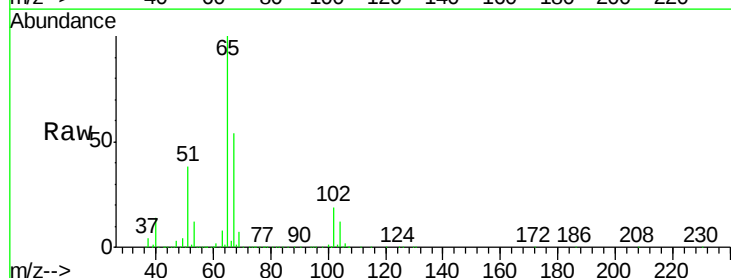
Acq: 21 Mar 2019 17:27

Tgt Ion: 65 Resp: 174914

Ion Ratio Lower Upper

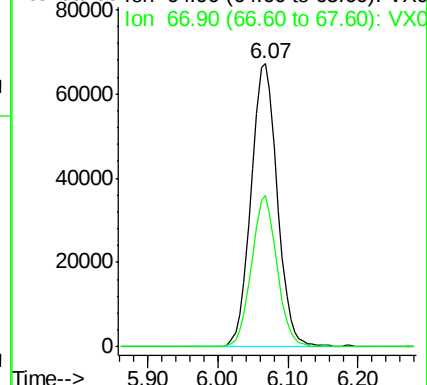
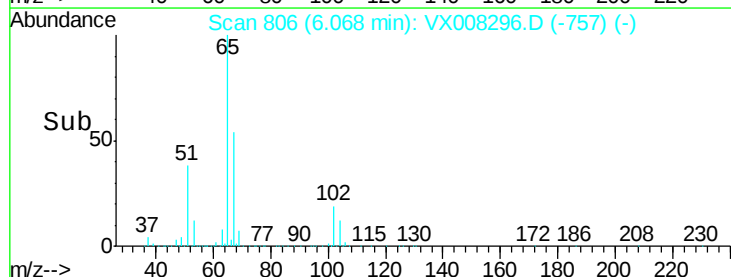
65 100

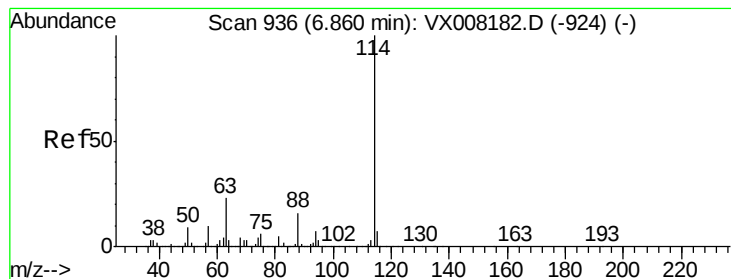
67 51.9 0.0 110.0



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: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190315

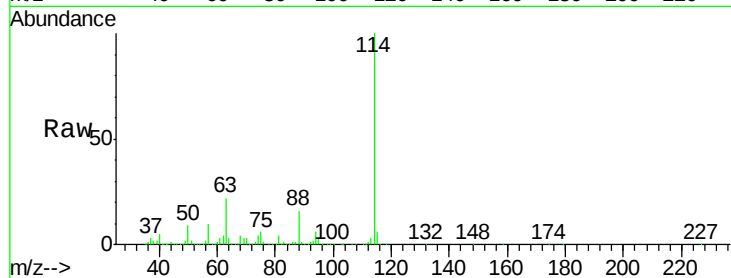
Tot Ion:114 Resp: 412275

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.8

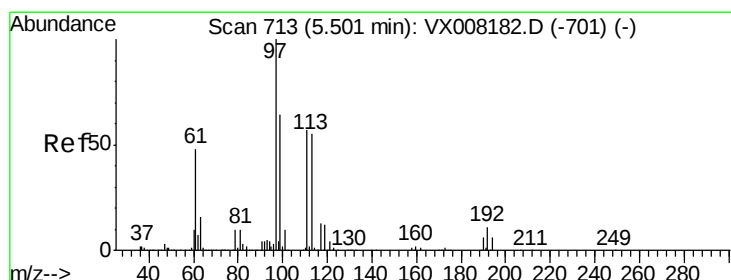
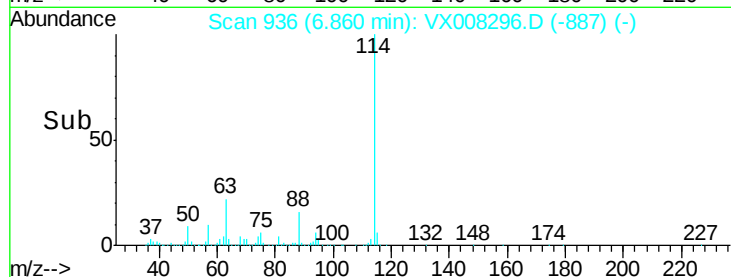
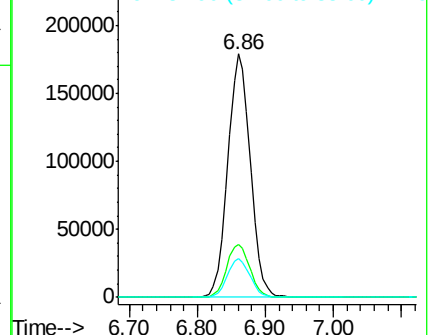
88 16.1 0.0 31.4



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: 46.669 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

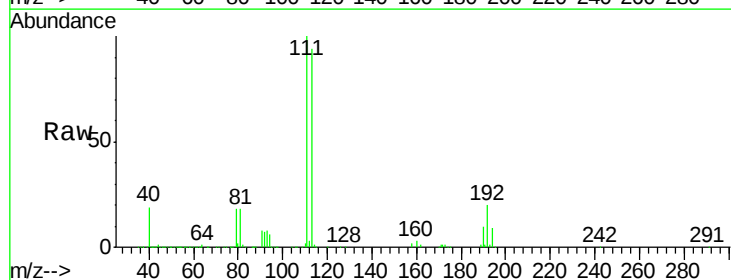
Tgt Ion:113 Resp: 128803

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

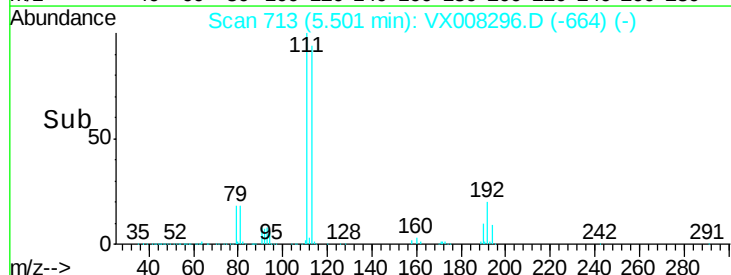
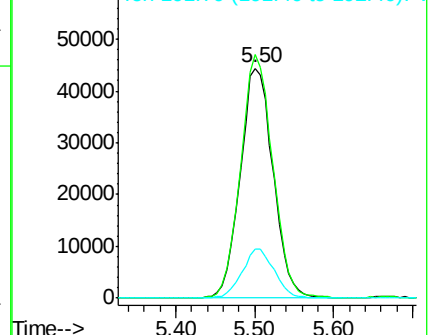
192 21.1 19.4 29.0

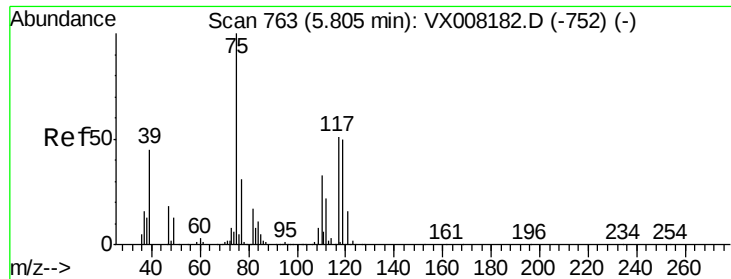


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.138 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

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ClientSampleId :

BP-HN-MW24S-20190315

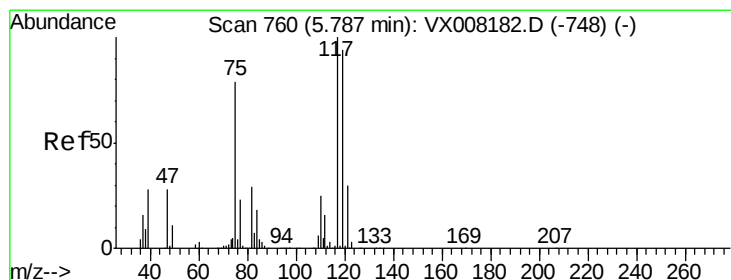
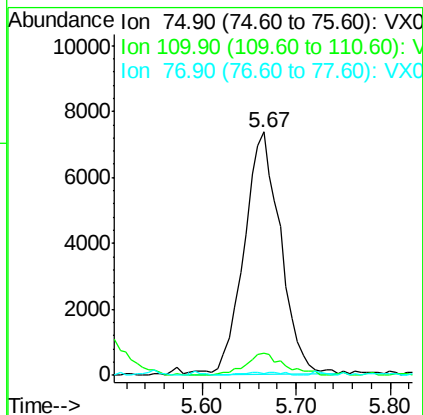
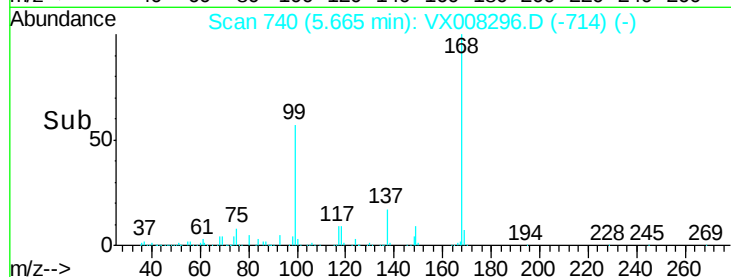
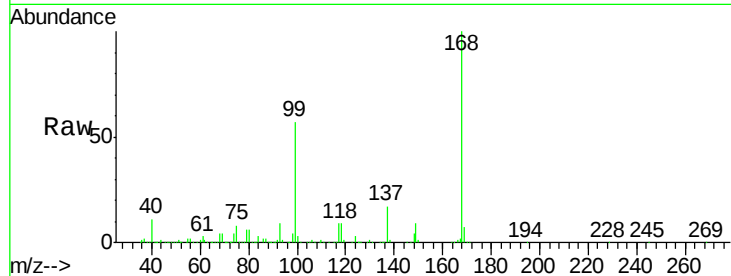
Tot Ion: 75 Resp: 19862

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.0#

77 0.8 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.716 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

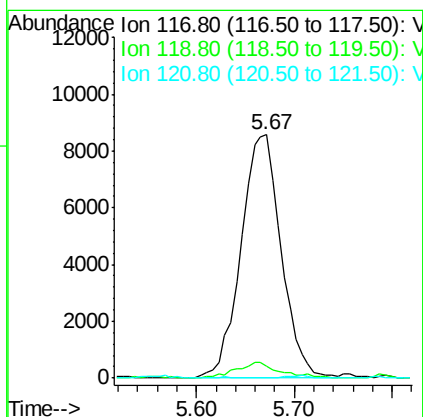
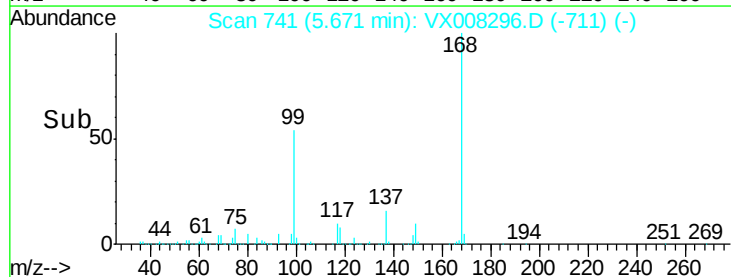
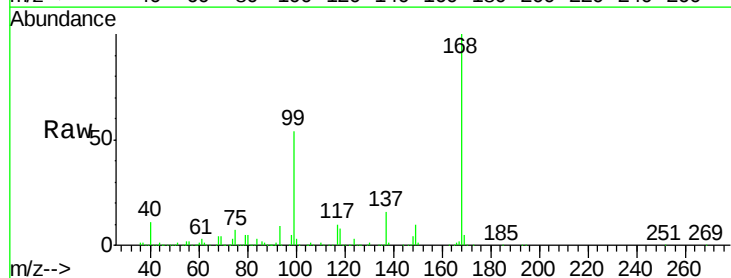
Tgt Ion: 117 Resp: 24446

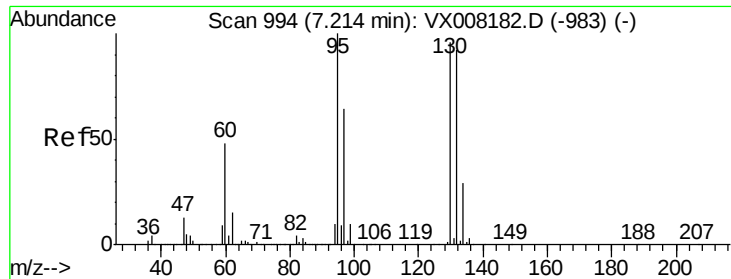
Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 0.457 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

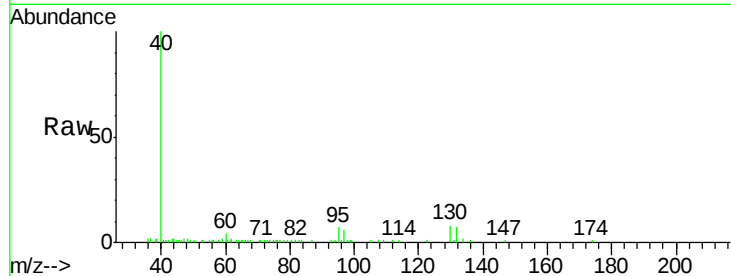
BP-HN-MW24S-20190315

Tot Ion:130 Resp: 1586

Ion Ratio Lower Upper

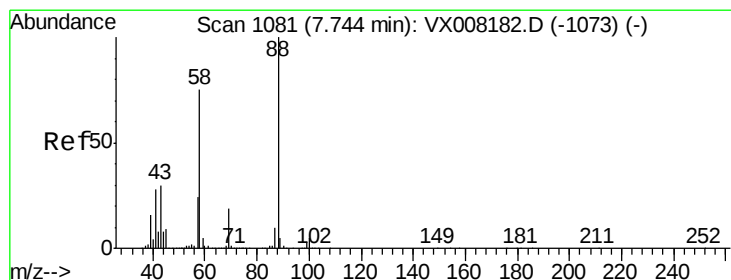
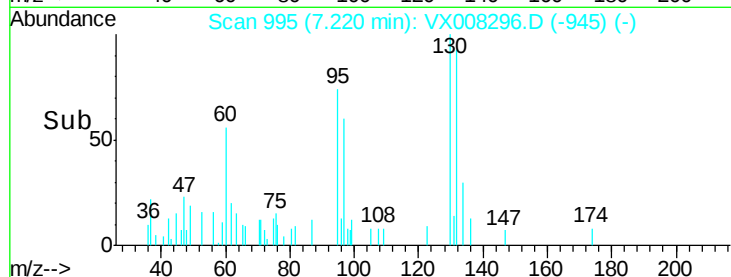
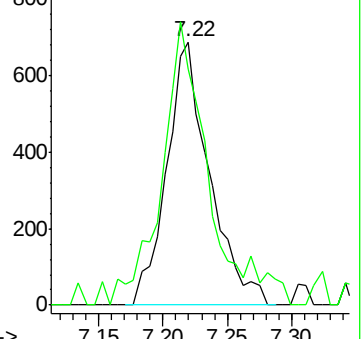
130 100

95 81.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.949 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

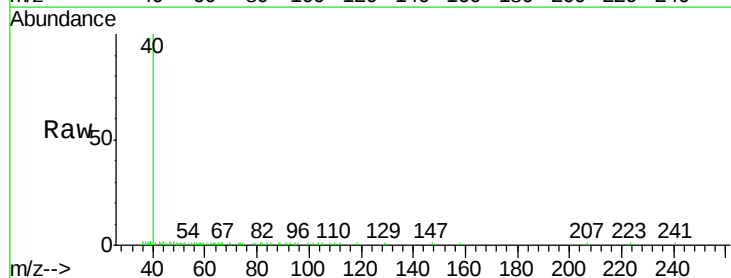
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 201.2 25.1 37.7#

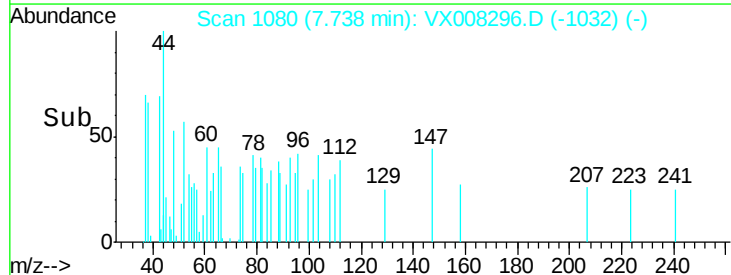
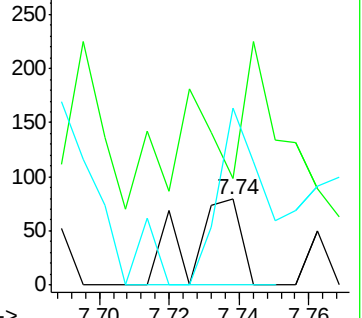
58 176.5 57.8 86.6#

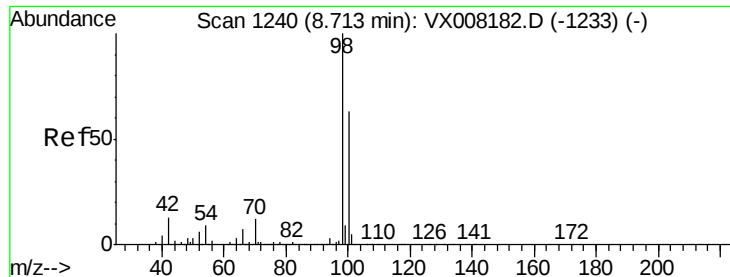


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.702 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

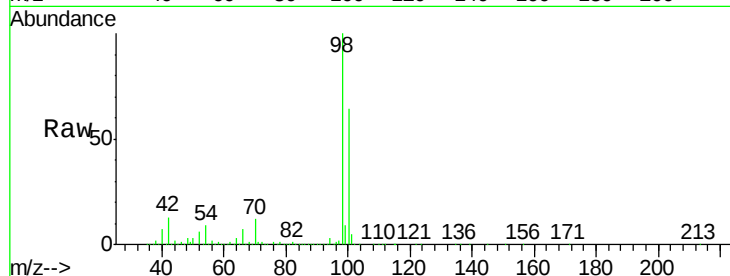
BP-HN-MW24S-20190315

Tot Ion: 98 Resp: 509608

Ion Ratio Lower Upper

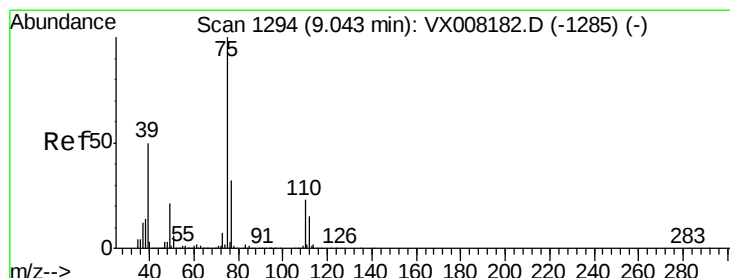
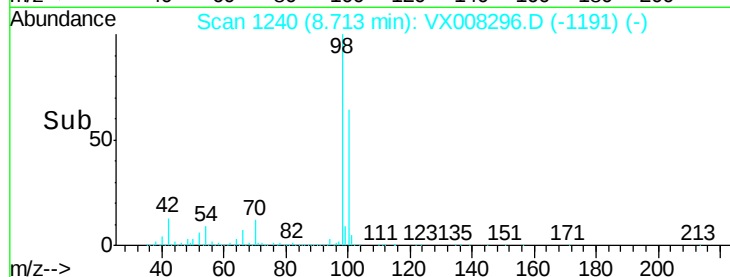
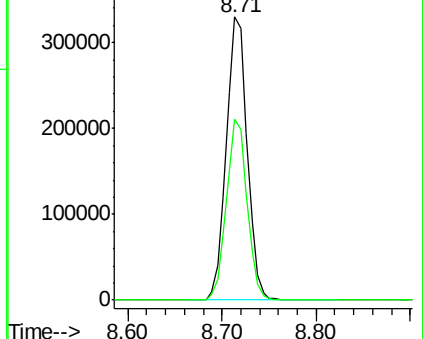
98 100

100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#53

t-1,3-Dichloropropene

Concen: 1.439 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008296.D

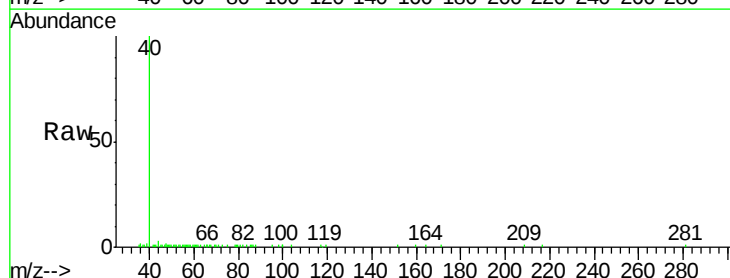
Acq: 21 Mar 2019 17:27

Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

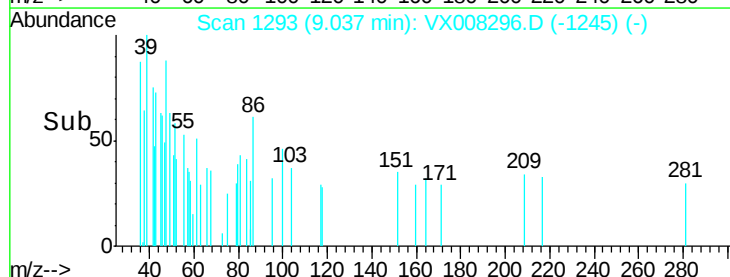
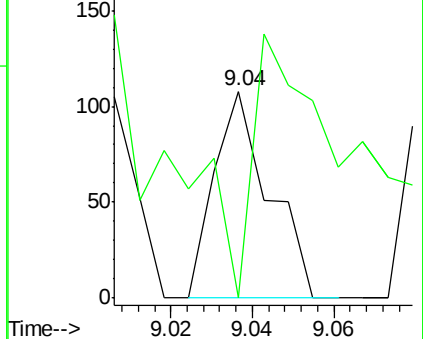
75 100

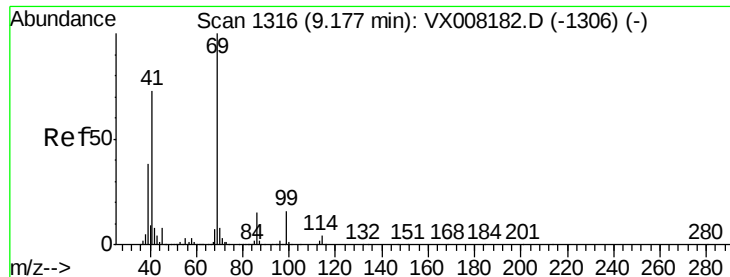
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#56

Ethyl methacrylate

Concen: 0.540 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190315

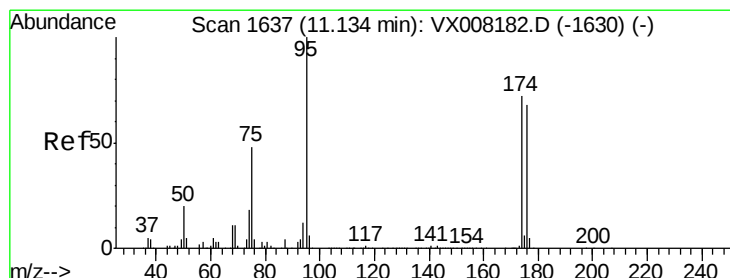
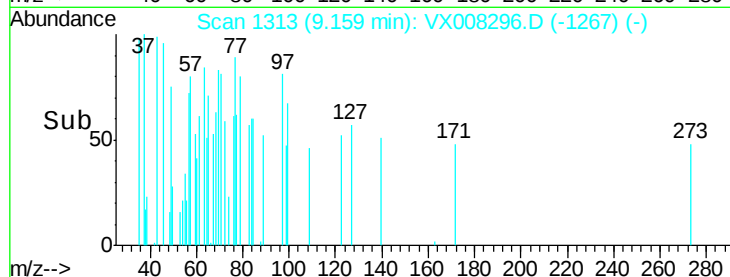
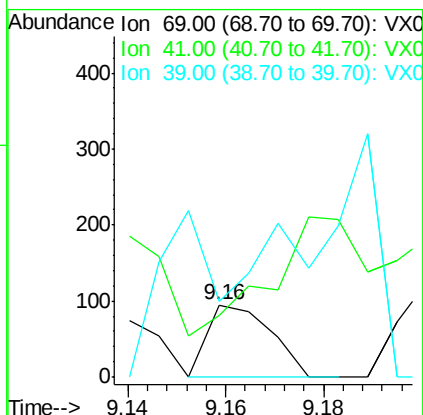
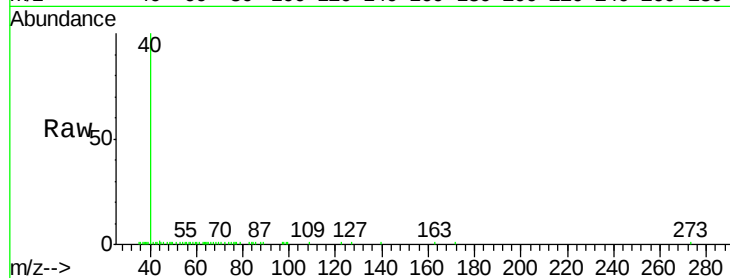
Tot Ion: 69 Resp: 85

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

39 201.2 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 43.990 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

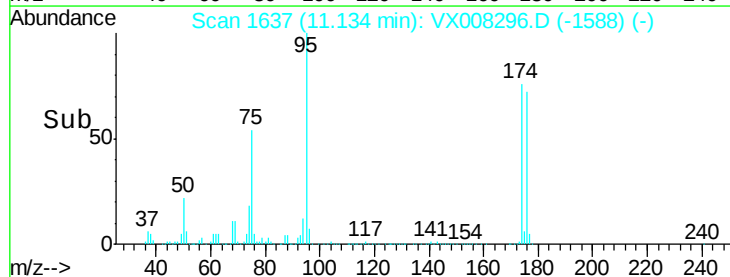
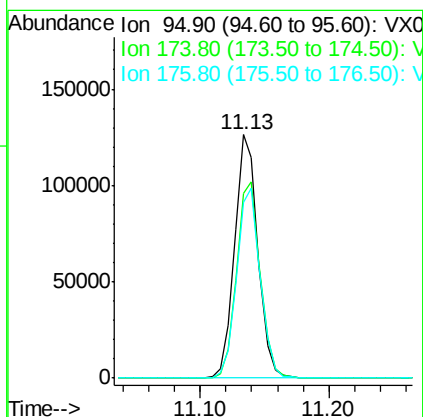
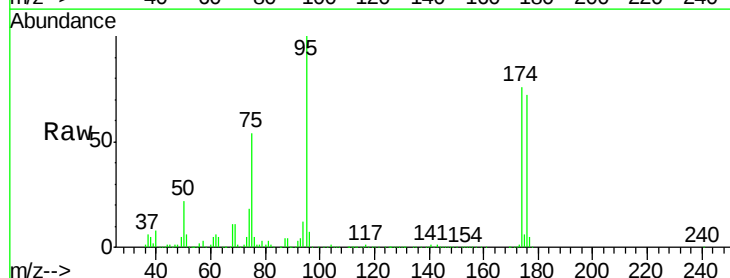
Tgt Ion: 95 Resp: 158491

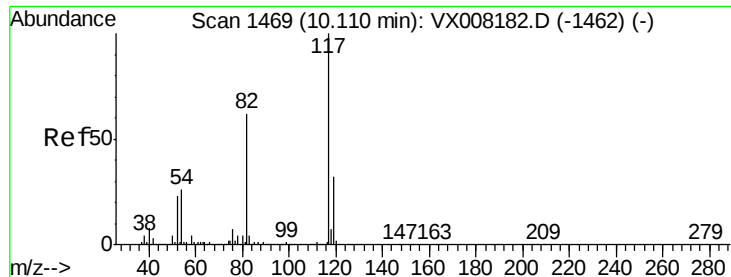
Ion Ratio Lower Upper

95 100

174 81.7 0.0 182.8

176 78.8 0.0 178.0

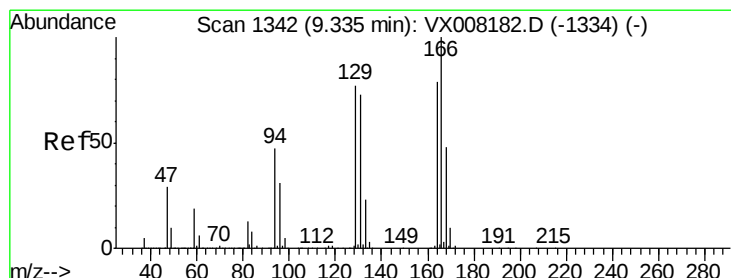
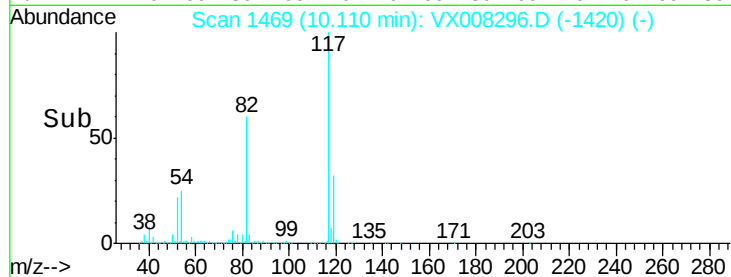
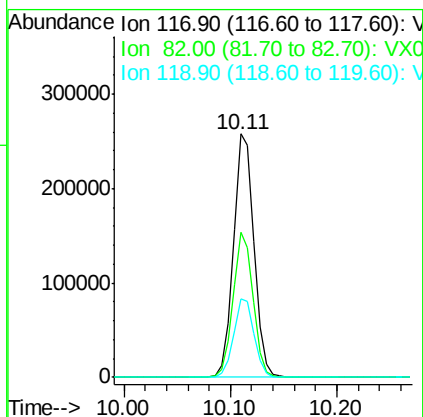
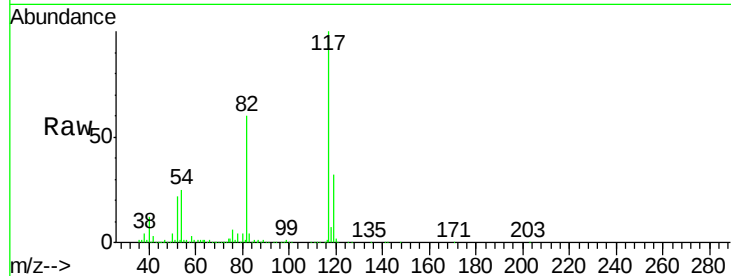




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008296.D
Acq: 21 Mar 2019 17:27

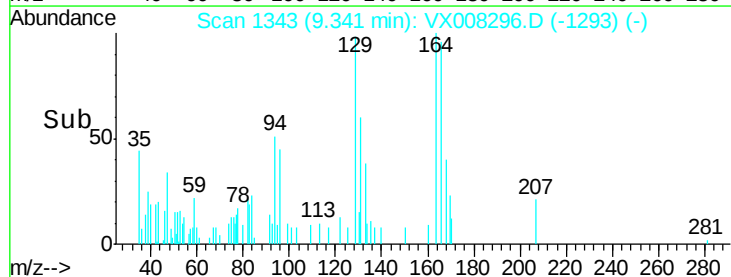
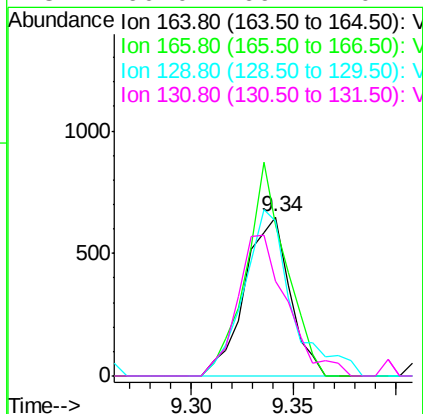
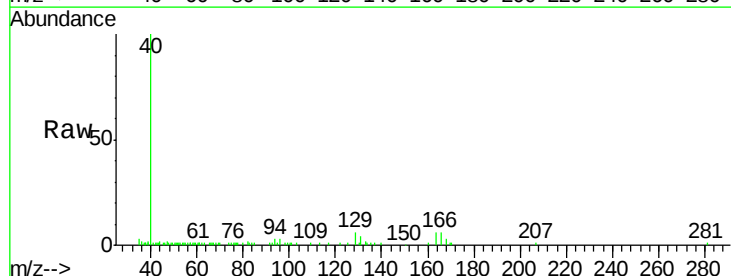
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190315

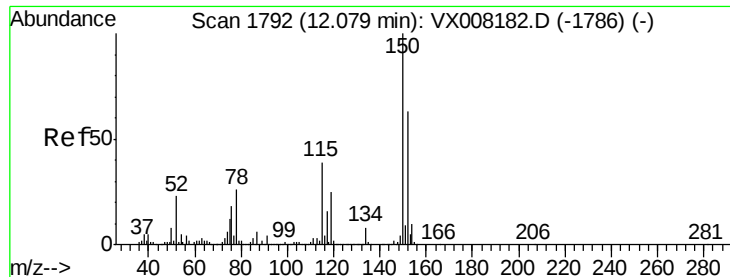
Tot Ion:117 Resp: 347508
Ion Ratio Lower Upper
117 100
82 59.5 44.3 66.5
119 32.1 25.3 37.9



#64
Tetrachloroethene
Concen: 0.321 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX008296.D
Acq: 21 Mar 2019 17:27

Tgt Ion:164 Resp: 1005
Ion Ratio Lower Upper
164 100
166 95.5 103.4 155.0#
129 98.0 72.2 108.4
131 60.0 69.4 104.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190315

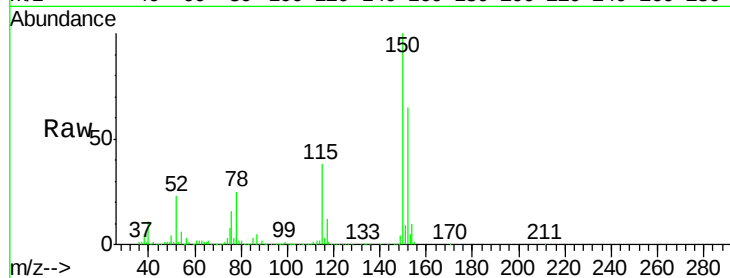
Tot Ion:152 Resp: 139645

Ion Ratio Lower Upper

152 100

115 59.1 38.6 115.7

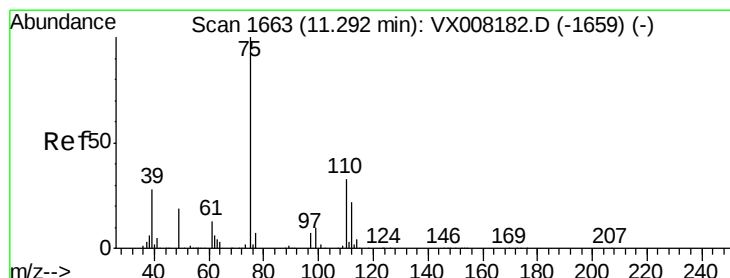
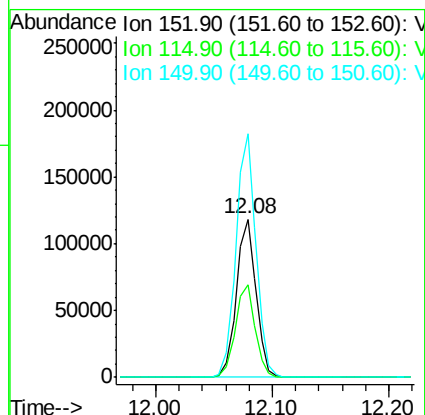
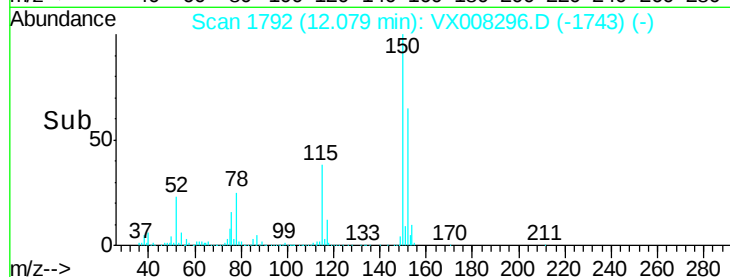
150 155.5 0.0 348.4



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: 21.359 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008296.D

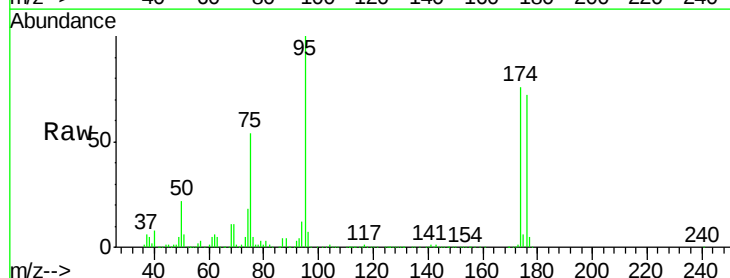
Acq: 21 Mar 2019 17:27

Tgt Ion: 75 Resp: 83892

Ion Ratio Lower Upper

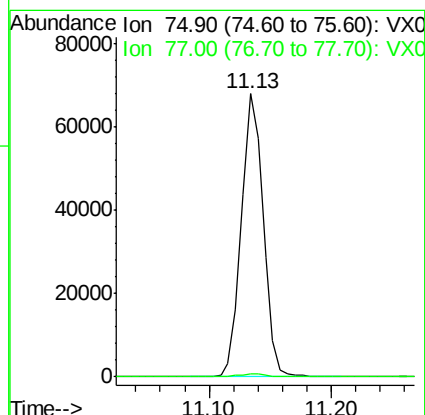
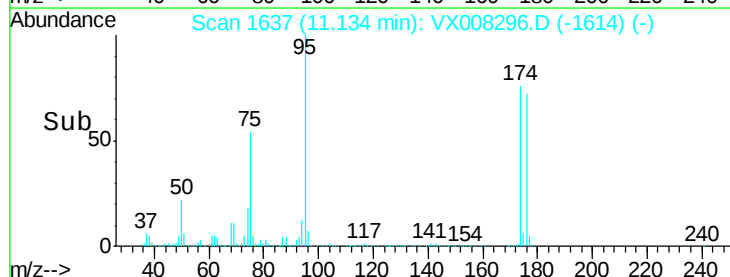
75 100

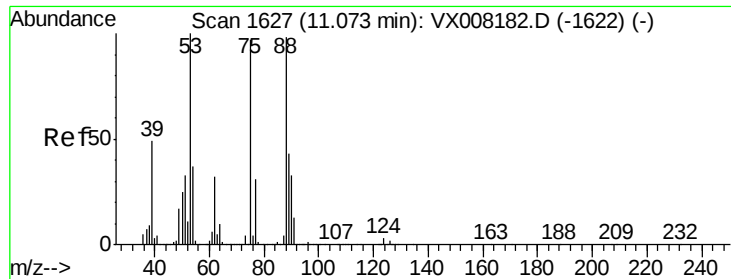
77 1.2 18.9 56.7#



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: 54.323 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008296.D

Acq: 21 Mar 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190315

Tot Ion: 75 Resp: 83892

Ion Ratio Lower Upper

75 100

53 0.4 76.1 114.1#

89 0.1 36.3 54.5#

