

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008251.D
 Acq On : 20 Mar 2019 18:59
 Operator : JC/SP
 Sample : K1963-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Mar 22 05:34:29 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	311122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	516896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	438501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	223930	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	5.50	113	163103	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	8.71	98	630004	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.13	95	203227	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

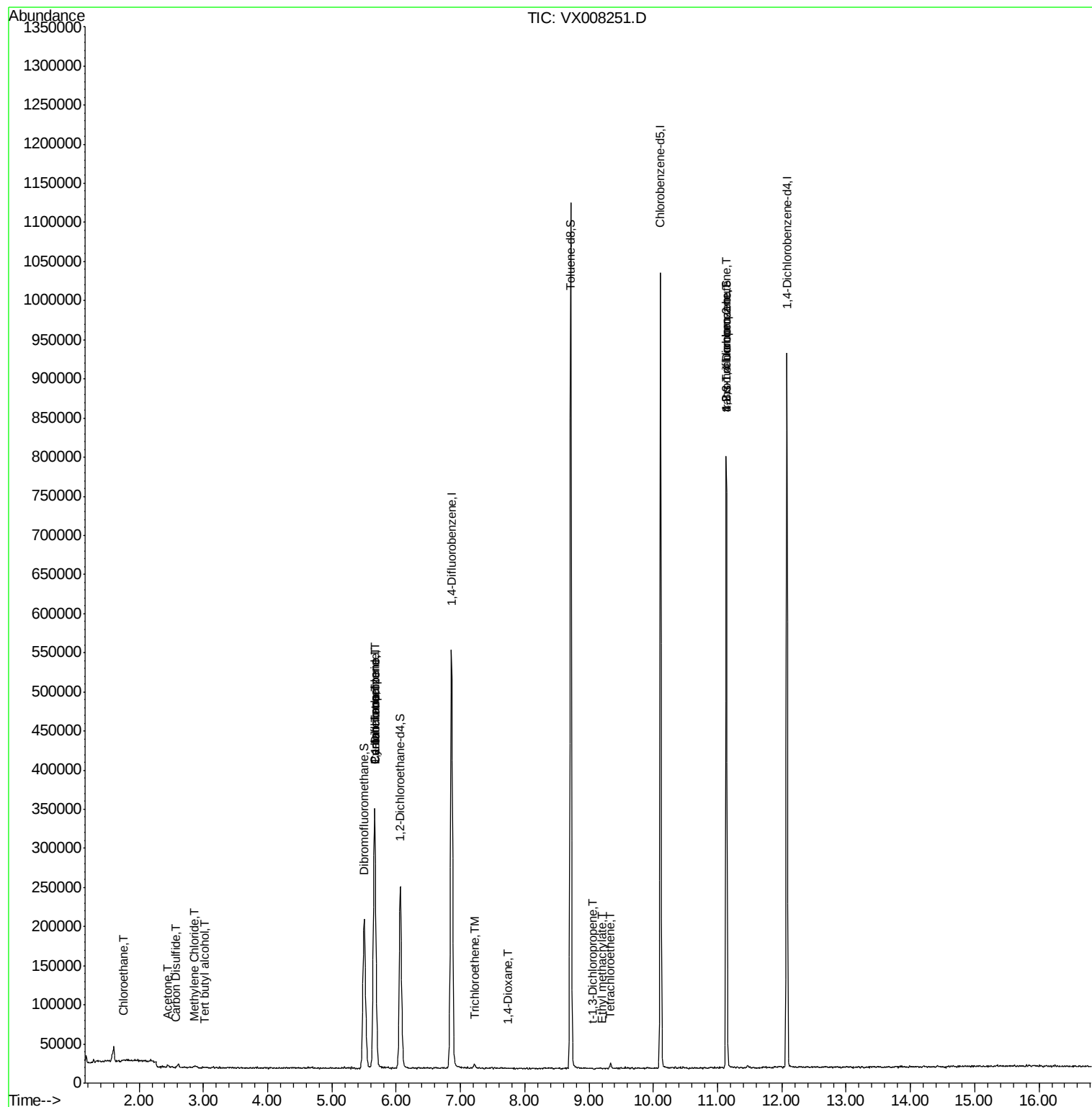
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	1415	0.478	ug/l #	50
11) Tert butyl alcohol	3.02	59	510	0.508	ug/l #	4
13) Acrolein	2.27	56	253	Below Cal	#	13
16) Acetone	2.45	43	3697	1.391	ug/l	96
17) Carbon Disulfide	2.57	76	706	0.732	ug/l #	88
20) Methylene Chloride	2.86	84	942	0.213	ug/l #	68
31) Cyclohexane	5.66	56	6999	0.900	ug/l #	14
36) 1,1-Dichloropropene	5.66	75	25847	4.295	ug/l #	50
38) Carbon Tetrachloride	5.67	117	31294	5.836	ug/l #	17
44) Trichloroethene	7.21	130	1791	0.411	ug/l	65
49) 1,4-Dioxane	7.74	88	148	1.383	ug/l #	11
53) t-1,3-Dichloropropene	9.05	75	286	1.461	ug/l #	1
56) Ethyl methacrylate	9.19	69	126	0.542	ug/l #	1
64) Tetrachloroethene	9.34	164	1122	0.284	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	107221	21.419	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	107221	54.472	ug/l #	12

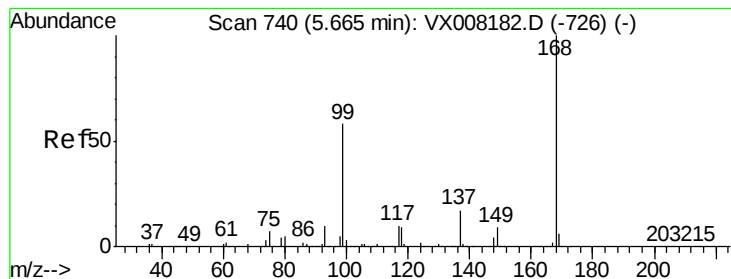
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-HN-MW24S-20190315

Quant Time: Mar 22 05:34:29 2019
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: VX008251.D

Acq: 20 Mar 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

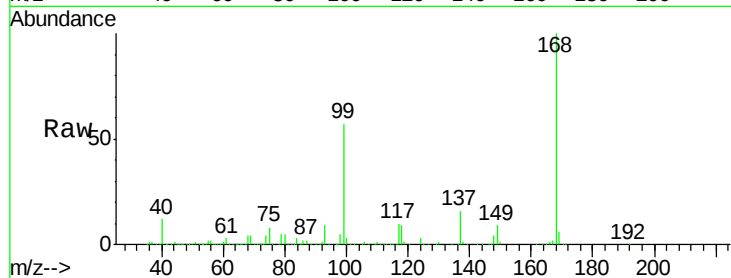
BP-HN-MW24S-20190315

Tot Ion:168 Resp: 311122

Ion Ratio Lower Upper

168 100

99 57.4 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

120000

100000

80000

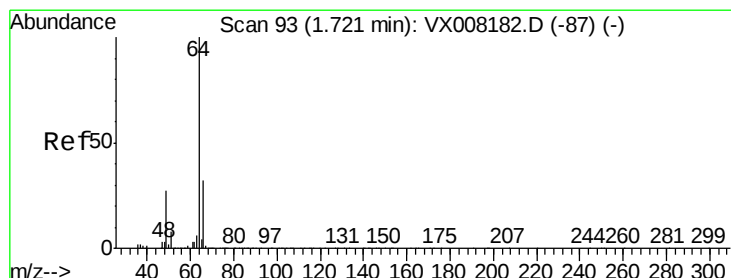
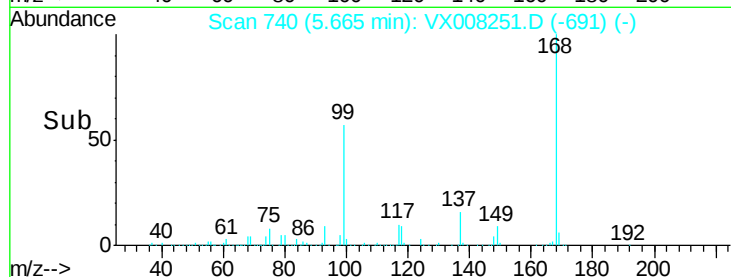
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.478 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX008251.D

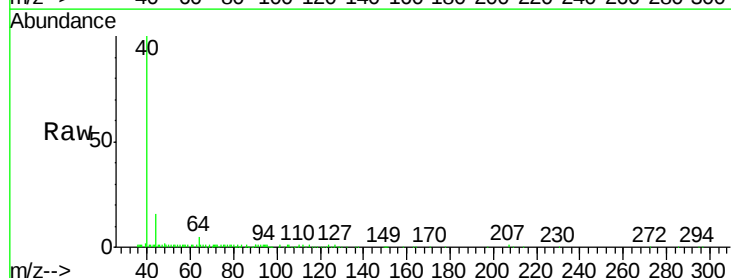
Acq: 20 Mar 2019 18:59

Tgt Ion: 64 Resp: 1415

Ion Ratio Lower Upper

64 100

66 4.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

1000

800

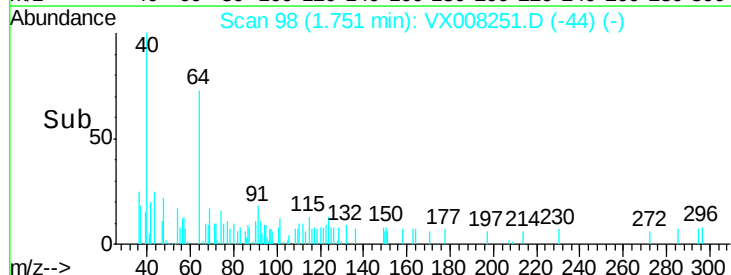
600

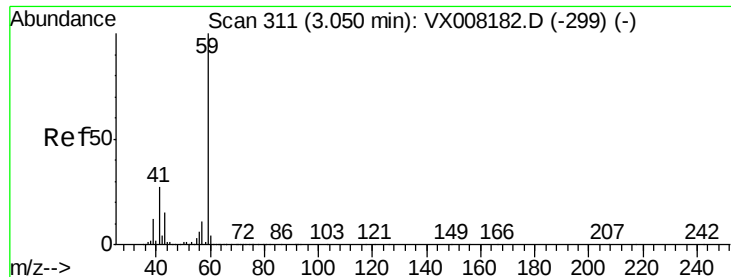
400

200

0

Time--> 1.65 1.70 1.75



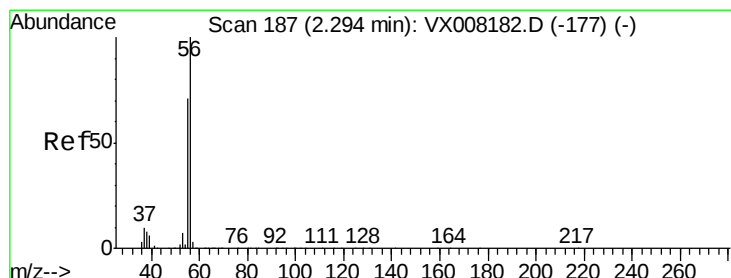
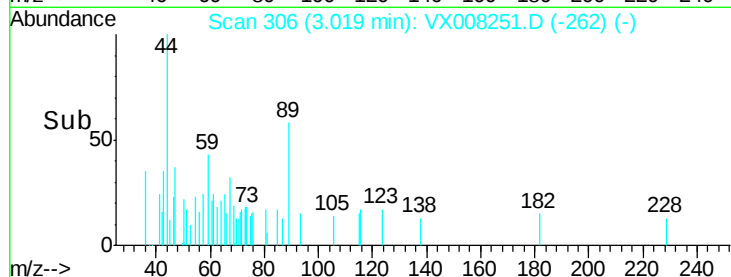
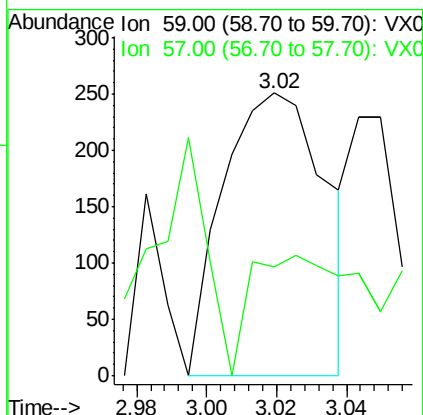
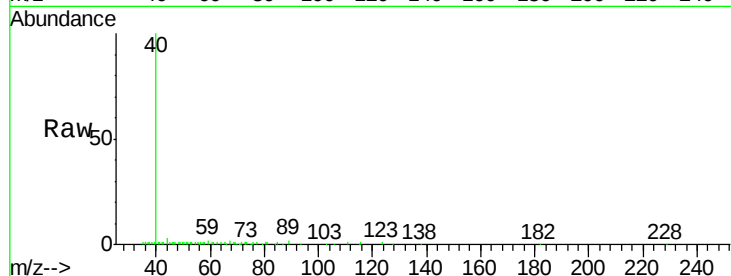


#11

Tert butyl alcohol
Concen: 0.508 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

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

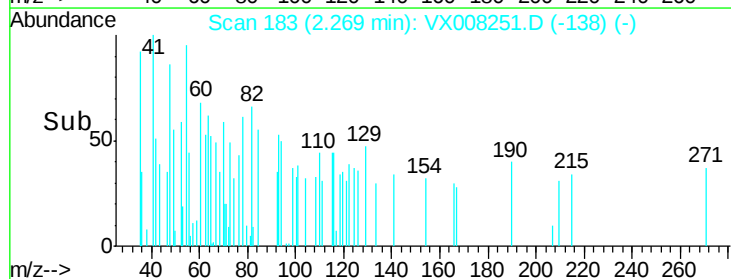
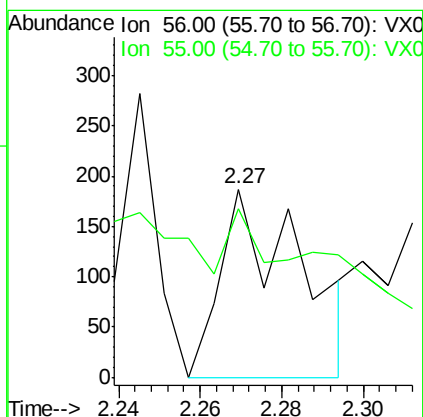
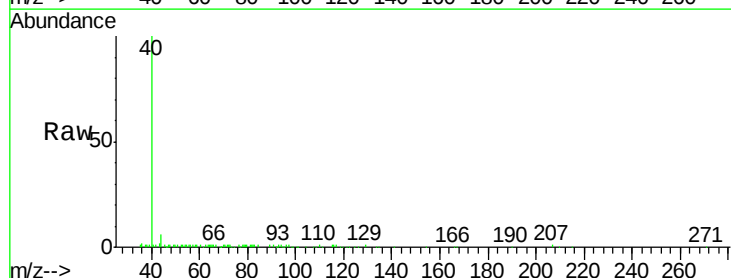
Tot Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 45.9 8.2 12.2#

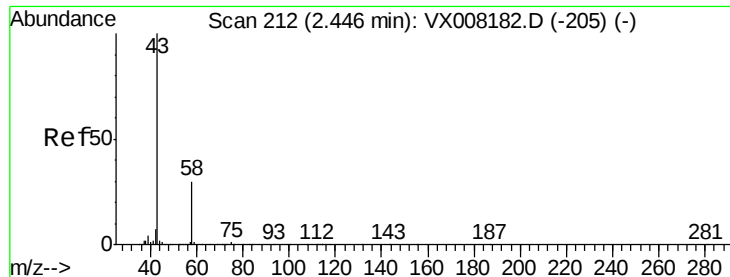


#13

Acrolein
Concen: Below Cal
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#





#16

Acetone

Concen: 1.391 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008251.D

Acq: 20 Mar 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

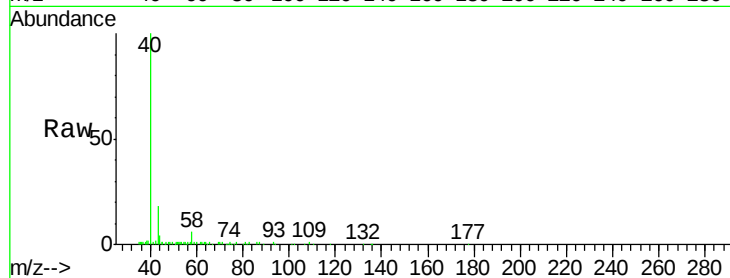
BP-HN-MW24S-20190315

Tot Ion: 43 Resp: 3697

Ion Ratio Lower Upper

43 100

58 29.6 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

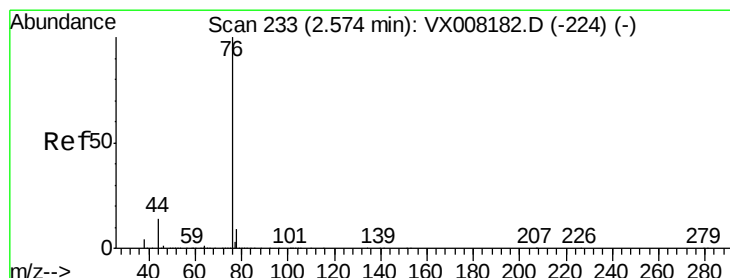
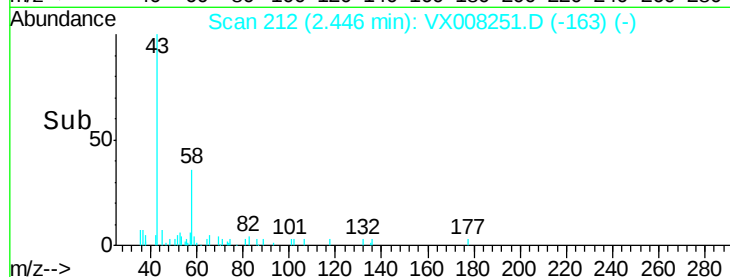
1500

1000

500

0

Time-->



#17

Carbon Disulfide

Concen: 0.732 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008251.D

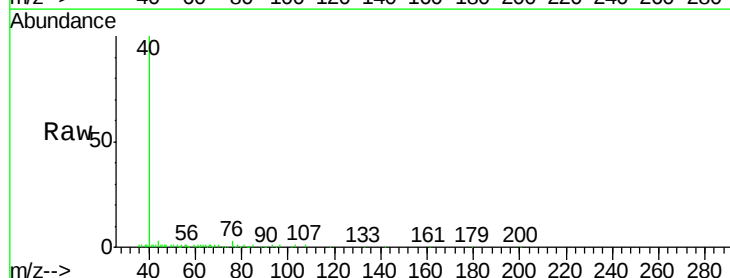
Acq: 20 Mar 2019 18:59

Tgt Ion: 76 Resp: 706

Ion Ratio Lower Upper

76 100

78 13.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

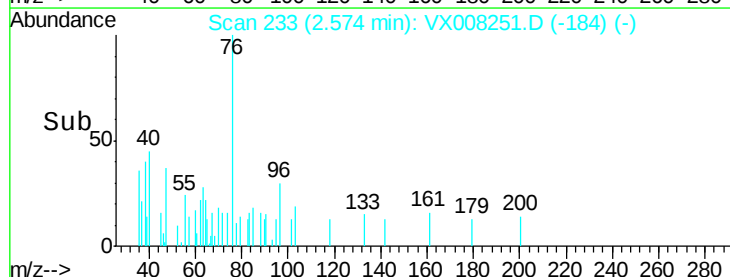
300

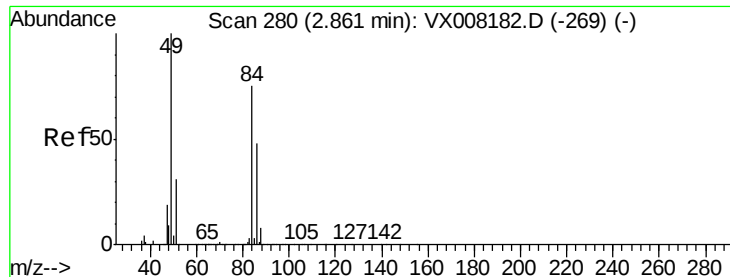
200

100

0

Time-->

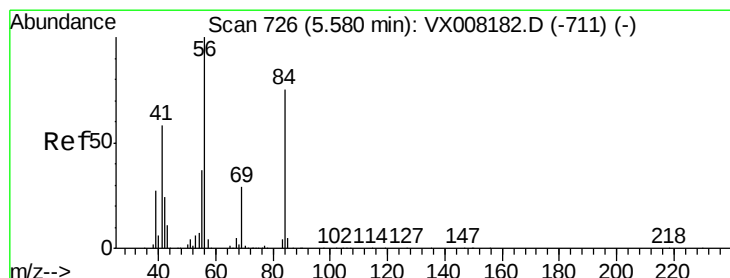
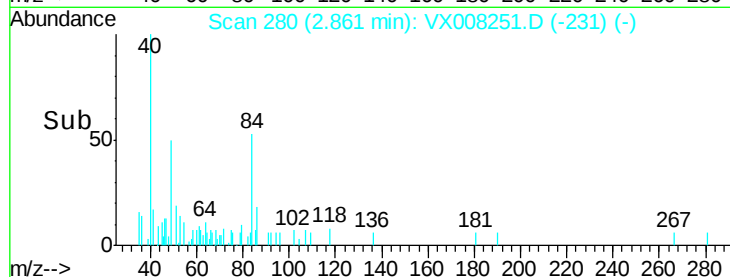
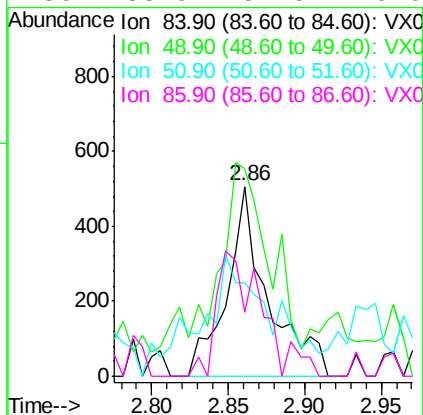
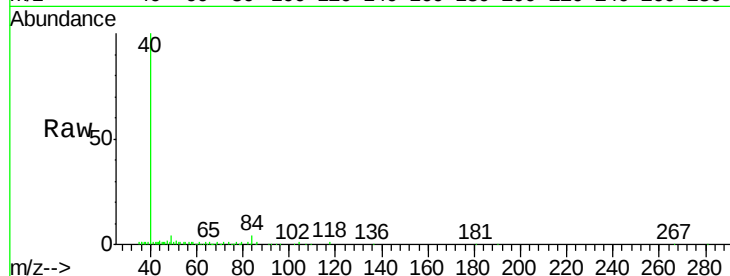




#20
Methvlene Chloride
Concen: 0.213 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

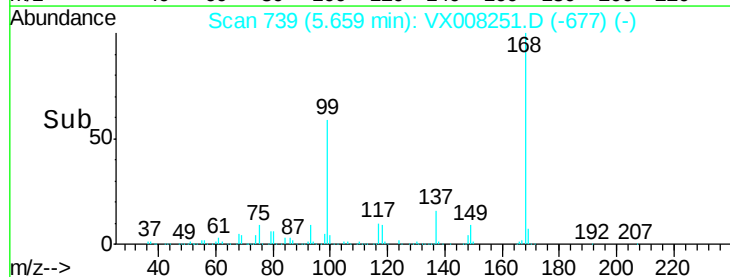
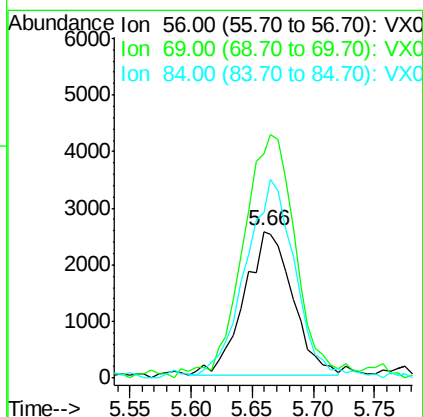
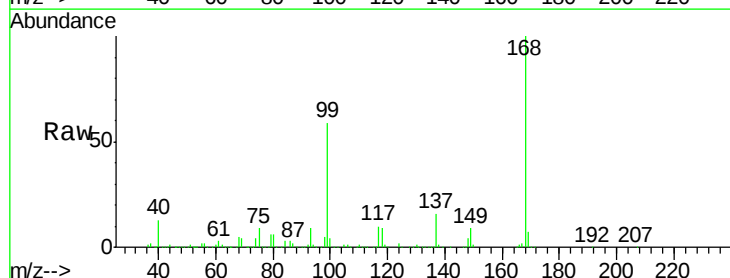
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190315

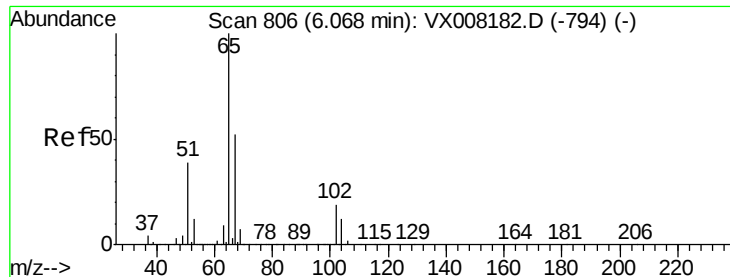
Tot Ion: 84 Resp: 942
Ion Ratio Lower Upper
84 100
49 89.0 99.3 148.9#
51 26.4 31.3 46.9#
86 33.9 52.6 79.0#



#31
Cyclohexane
Concen: 0.900 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

Tgt Ion: 56 Resp: 6999
Ion Ratio Lower Upper
56 100
69 151.3 24.0 36.0#
84 113.0 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 47.789 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008251.D

Acq: 20 Mar 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

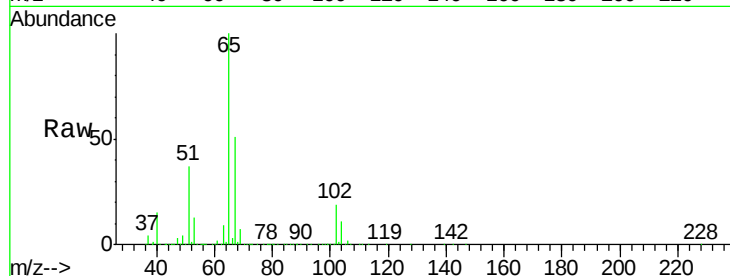
BP-HN-MW24S-20190315

Tot Ion: 65 Resp: 223930

Ion Ratio Lower Upper

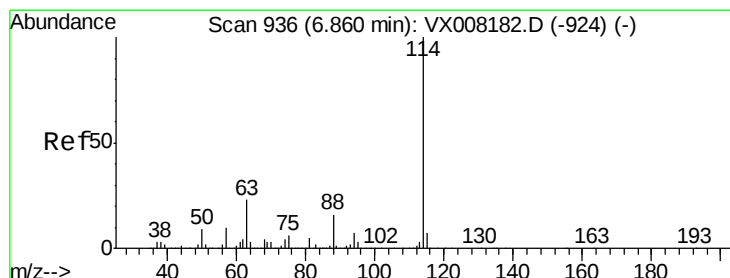
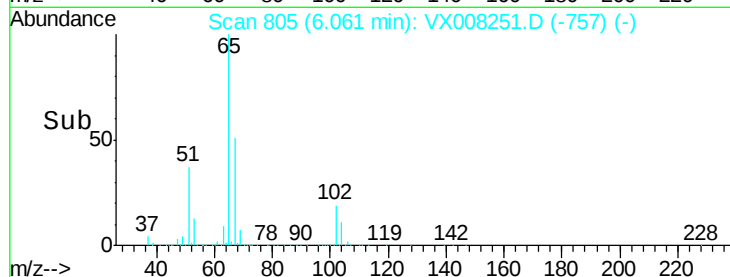
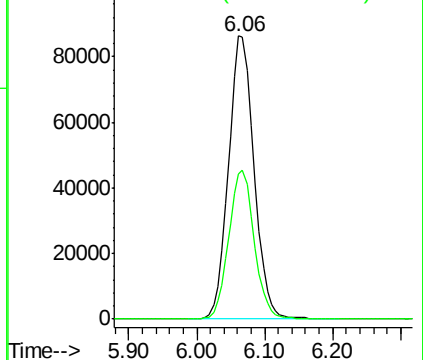
65 100

67 52.8 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: VX008251.D

Acq: 20 Mar 2019 18:59

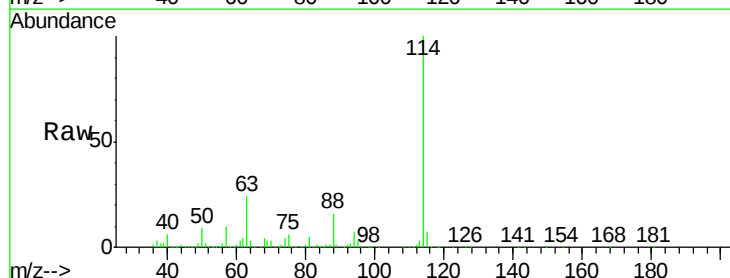
Tgt Ion: 114 Resp: 516896

Ion Ratio Lower Upper

114 100

63 23.5 0.0 39.8

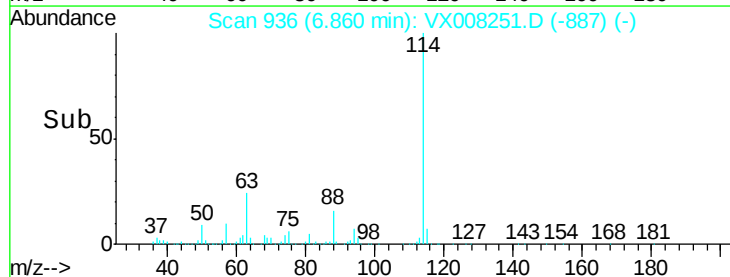
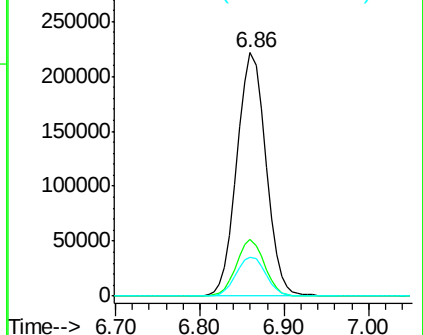
88 16.2 0.0 31.4

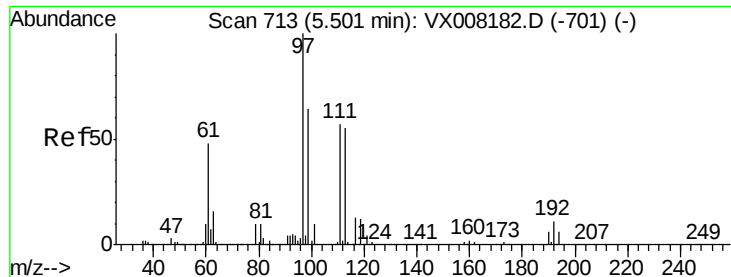


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.136 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008251.D

Acq: 20 Mar 2019 18:59

Instrument :

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BP-HN-MW24S-20190315

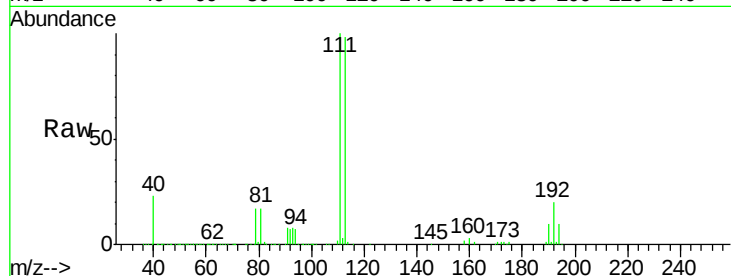
Tot Ion:113 Resp: 163103

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

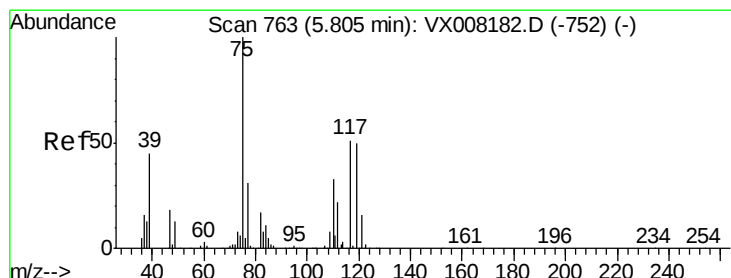
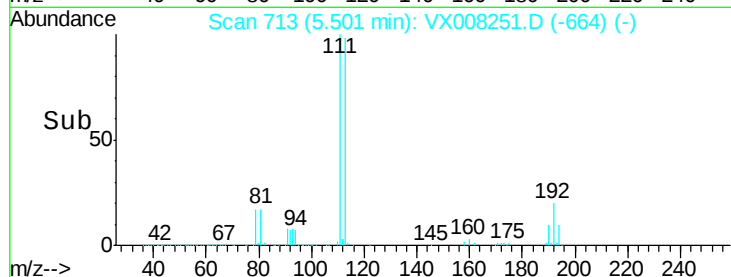
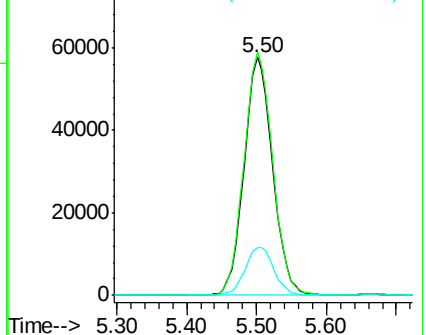
192 20.6 19.4 29.0



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: 4.295 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008251.D

Acq: 20 Mar 2019 18:59

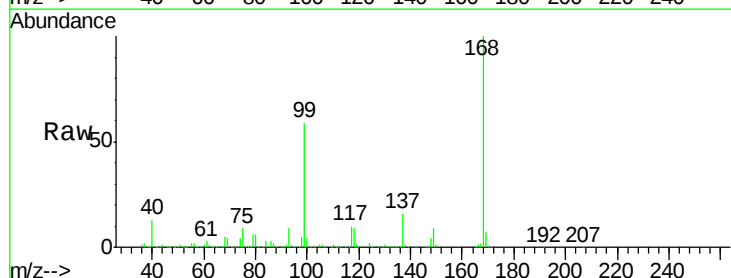
Tgt Ion: 75 Resp: 25847

Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.0#

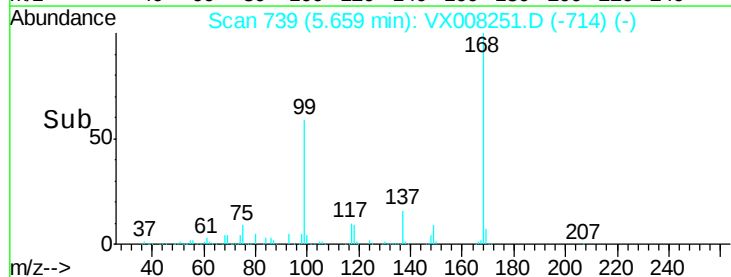
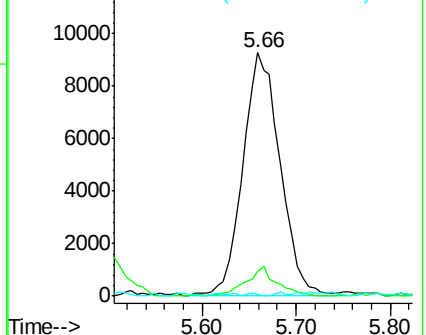
77 0.3 25.0 37.4#

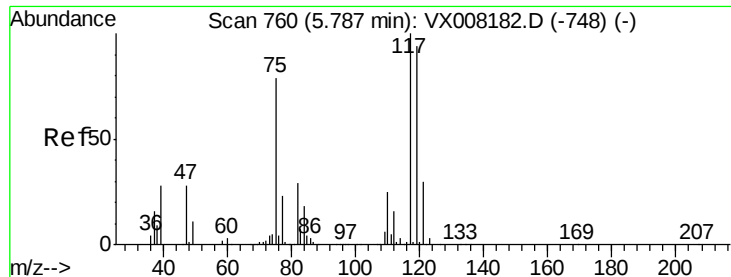


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.836 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008251.D

Acq: 20 Mar 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190315

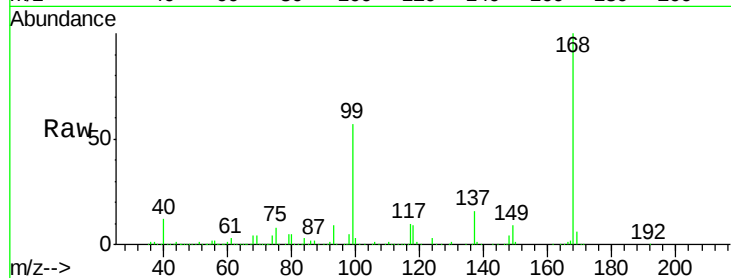
Tot Ion:117 Resp: 31294

Ion Ratio Lower Upper

117 100

119 6.6 76.2 114.2#

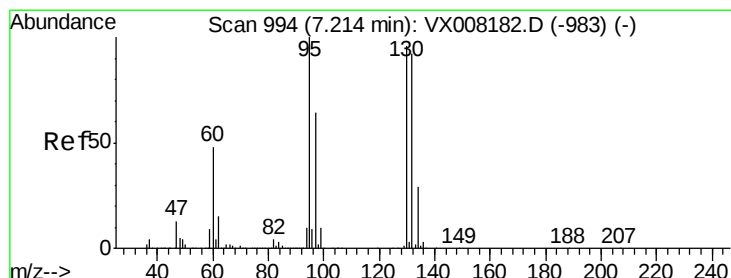
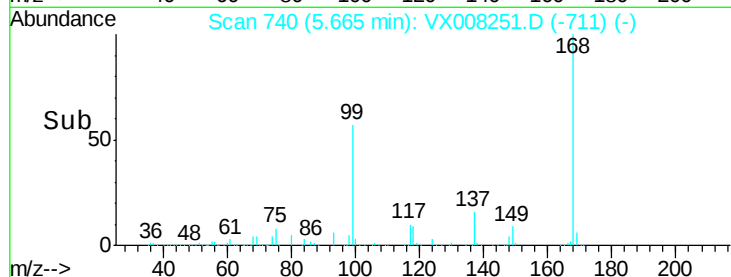
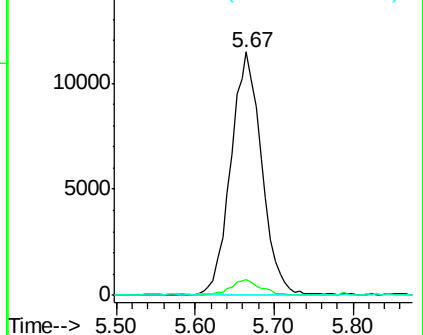
121 0.0 24.6 36.8#



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: 0.411 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008251.D

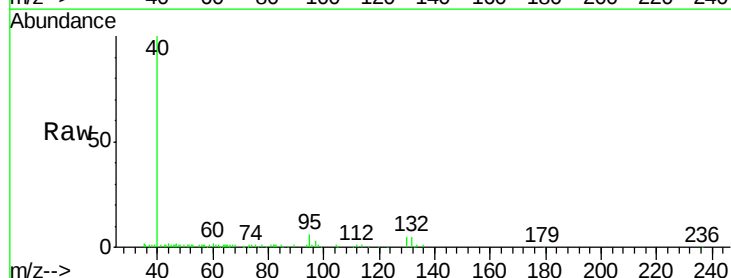
Acq: 20 Mar 2019 18:59

Tgt Ion:130 Resp: 1791

Ion Ratio Lower Upper

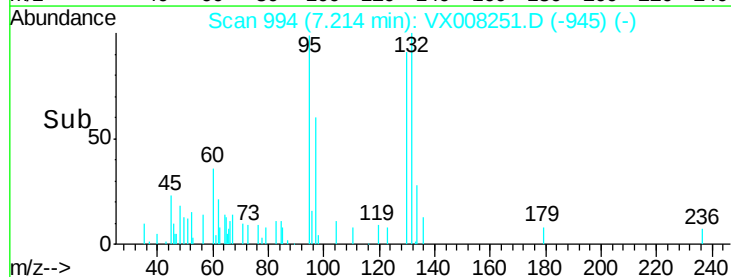
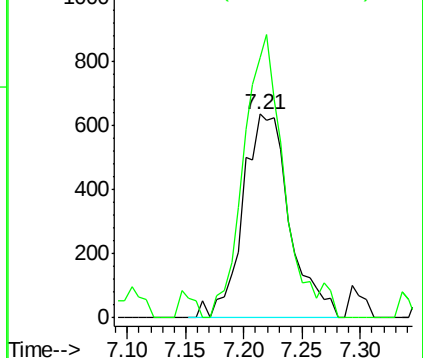
130 100

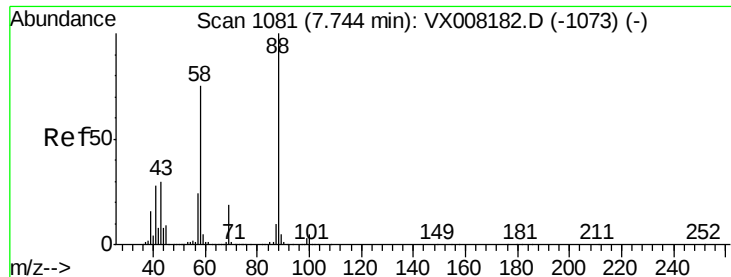
95 127.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

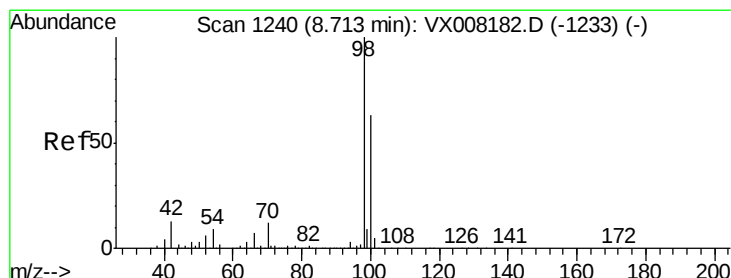
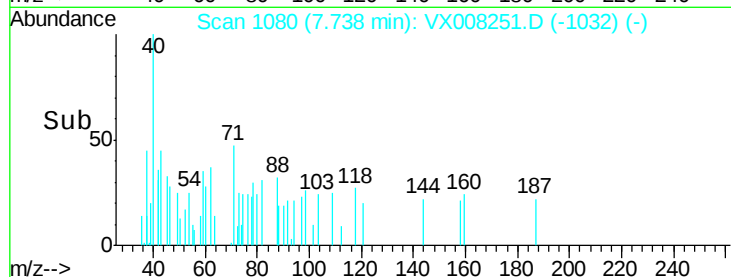
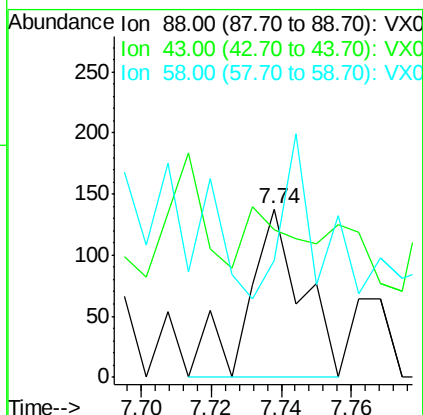
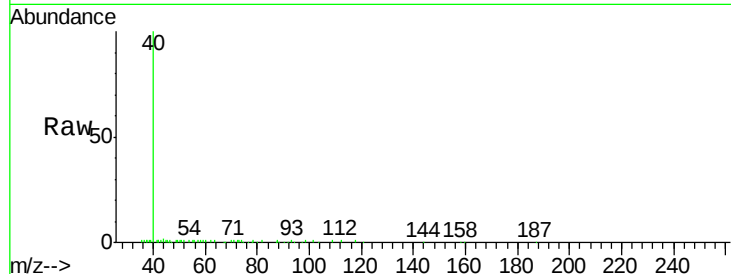




#49
1,4-Dioxane
Concen: 1.383 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

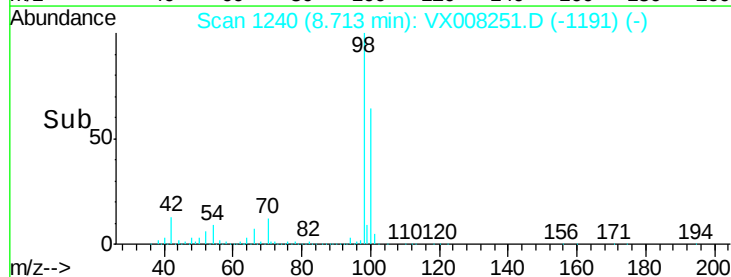
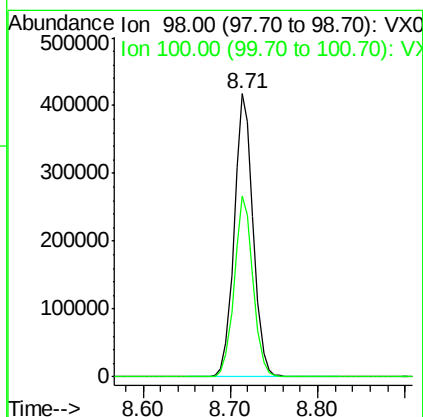
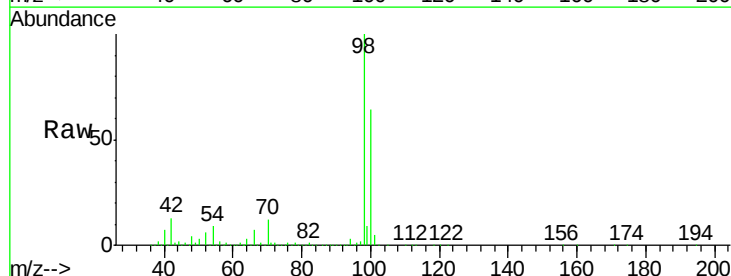
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190315

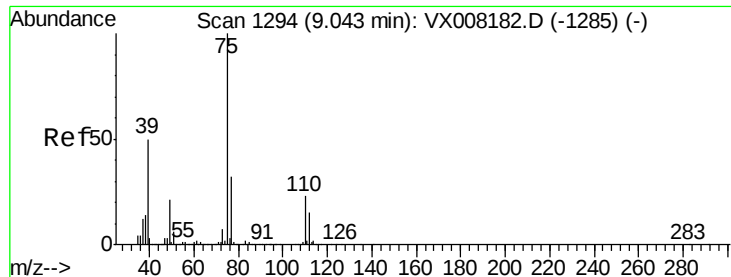
Tot Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 87.8 25.1 37.7#
58 141.9 57.8 86.6#



#50
Toluene-d8
Concen: 48.022 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

Tgt Ion: 98 Resp: 630004
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.461 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VX008251.D

Acq: 20 Mar 2019 18:59

Instrument :

MSVOA_X

ClientSampleId :

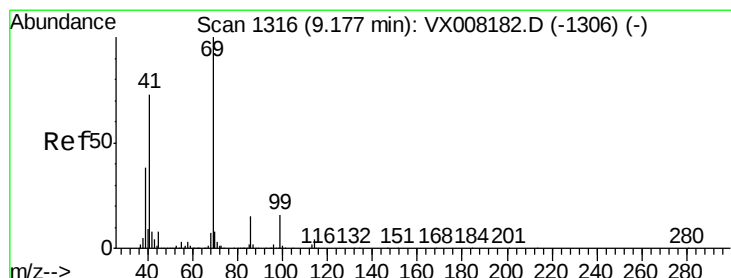
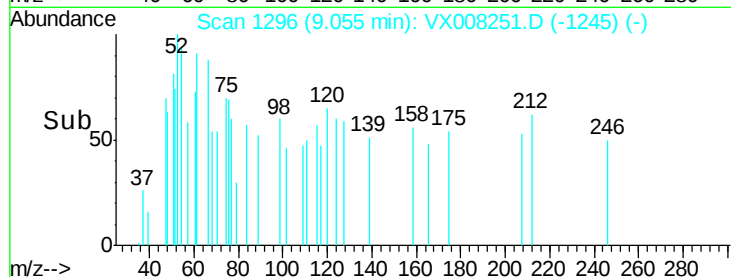
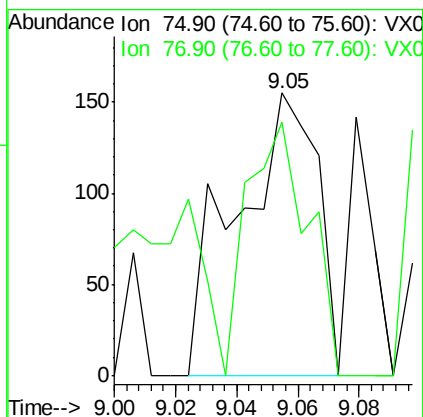
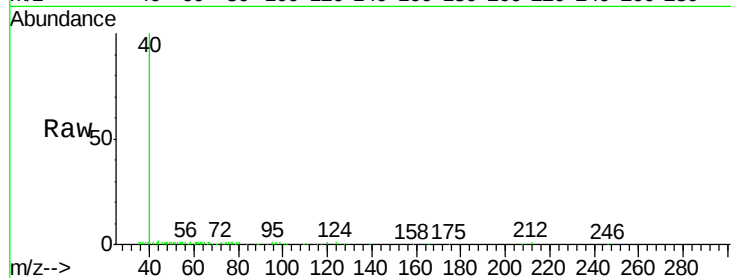
BP-HN-MW24S-20190315

Tot Ion: 75 Resp: 286

Ion Ratio Lower Upper

75 100

77 89.7 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.542 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008251.D

Acq: 20 Mar 2019 18:59

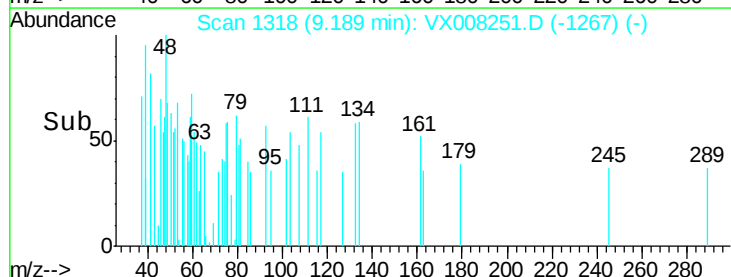
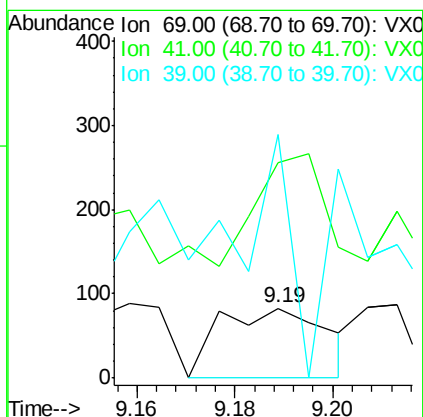
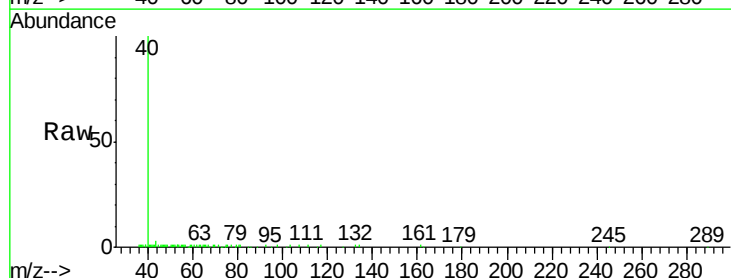
Tgt Ion: 69 Resp: 126

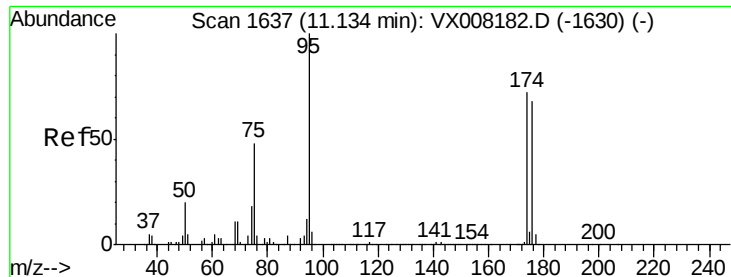
Ion Ratio Lower Upper

69 100

41 150.0 54.2 81.4#

39 191.3 25.0 37.4#

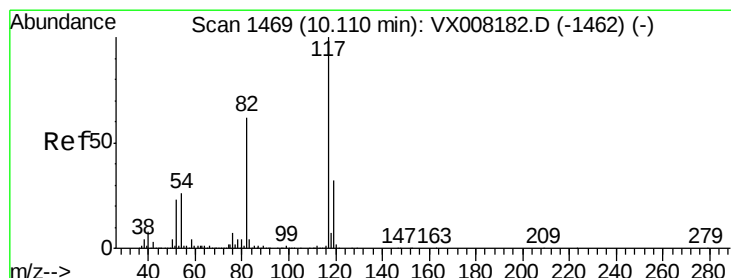
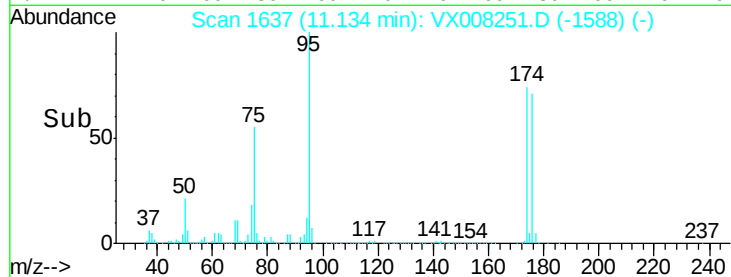
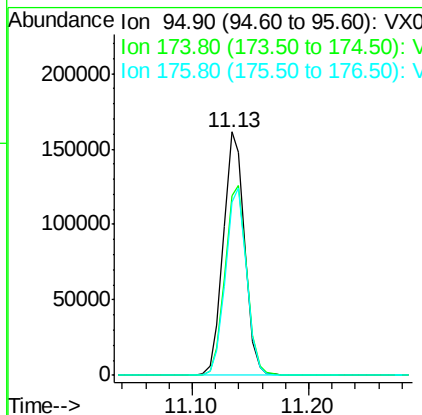
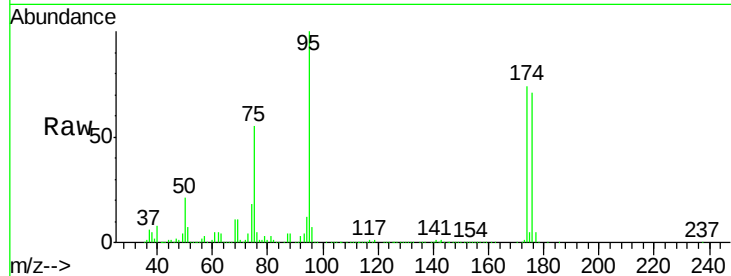




#62
4-Bromofluorobenzene
Concen: 44.990 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

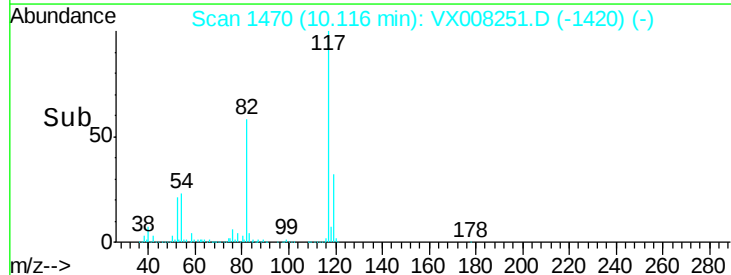
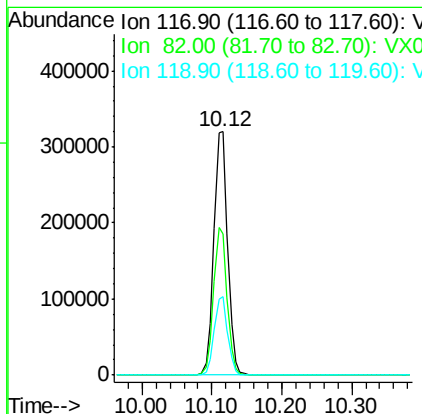
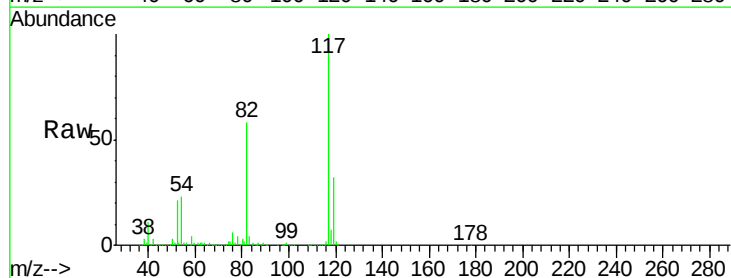
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190315

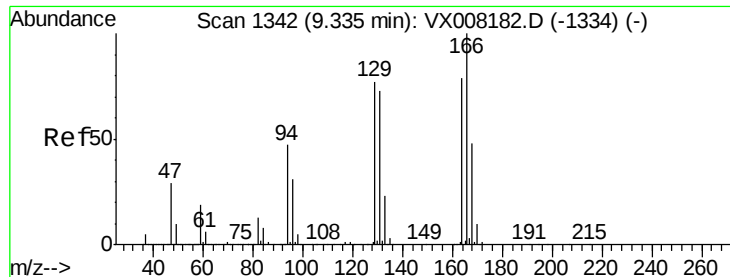
Tot Ion: 95 Resp: 203227
Ion Ratio Lower Upper
95 100
174 79.6 0.0 182.8
176 76.7 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008251.D
Acq: 20 Mar 2019 18:59

Tgt Ion: 117 Resp: 438501
Ion Ratio Lower Upper
117 100
82 58.0 44.3 66.5
119 32.4 25.3 37.9

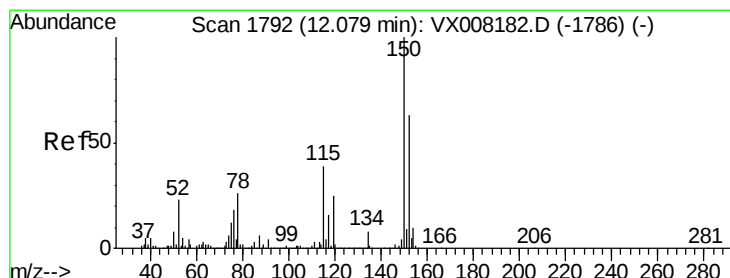
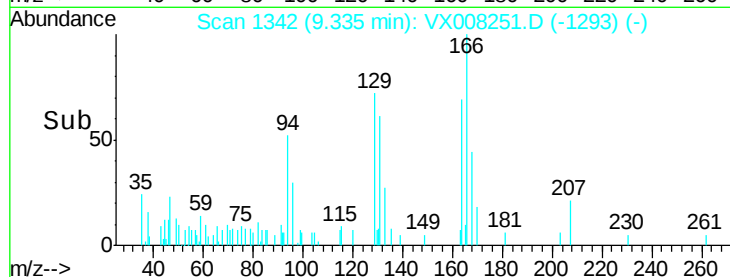
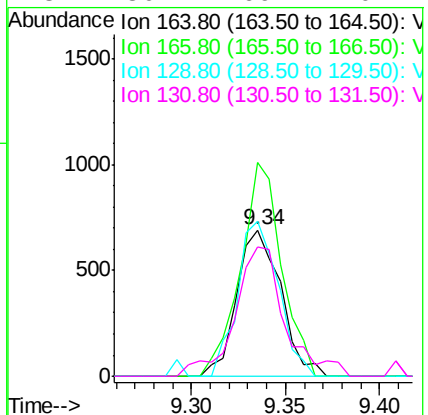
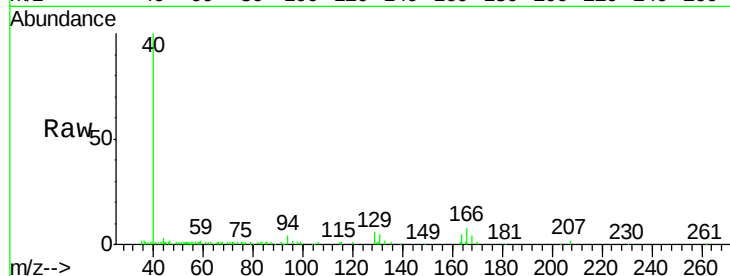




#64
 Tetrachloroethene
 Concen: 0.284 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: VX008251.D
 Acq: 20 Mar 2019 18:59

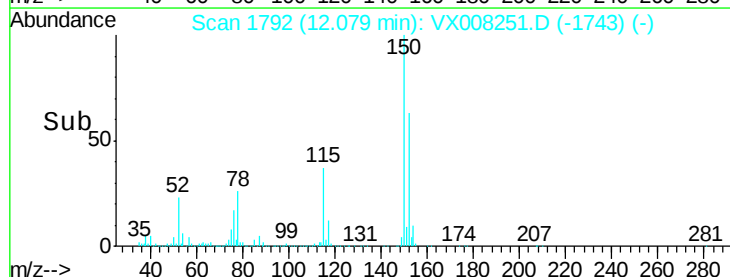
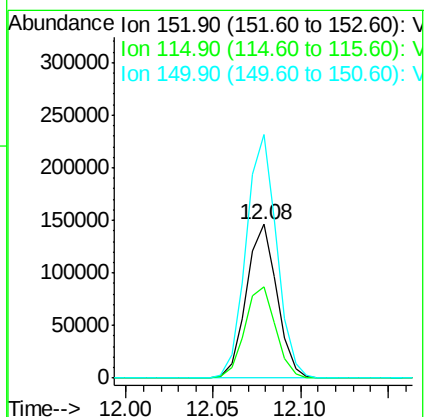
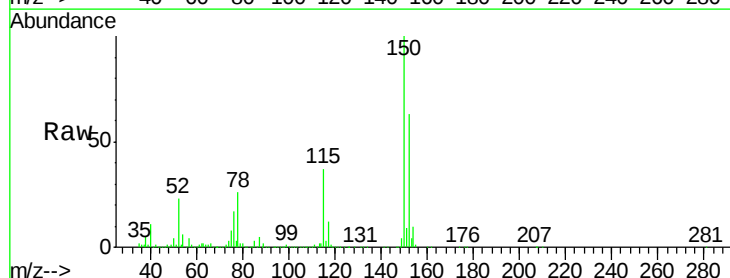
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24S-20190315

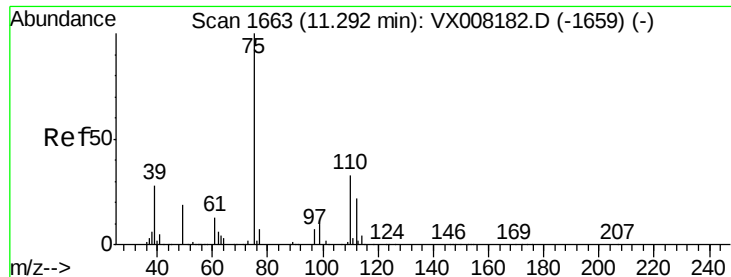
Tot Ion:	164	Resp:	1122
Ion	Ratio	Lower	Upper
164	100		
166	145.7	103.4	155.0
129	105.6	72.2	108.4
131	80.4	69.4	104.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX008251.D
 Acq: 20 Mar 2019 18:59

Tgt Ion:	152	Resp:	177976
Ion	Ratio	Lower	Upper
152	100		
115	60.2	38.6	115.7
150	158.3	0.0	348.4

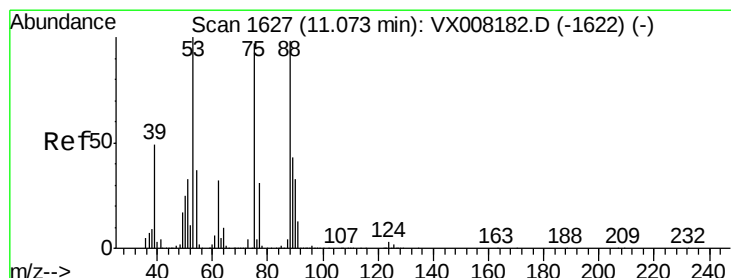
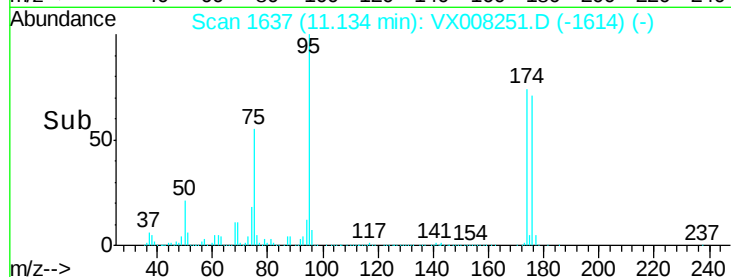
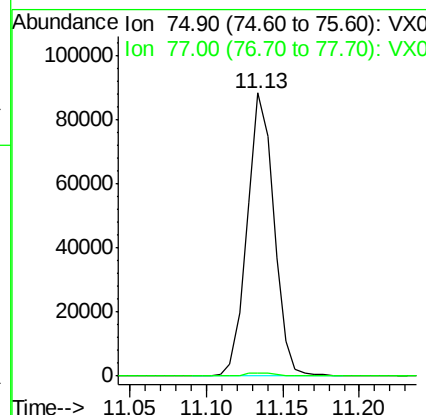
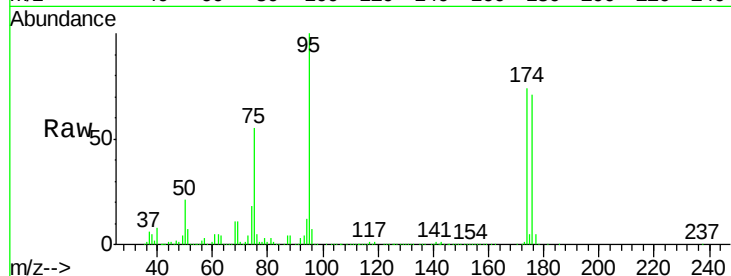




#76
 1,2,3-Trichloropropane
 Concen: 21.419 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008251.D
 Acq: 20 Mar 2019 18:59

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

Tot Ion: 75 Resp: 107221
 Ion Ratio Lower Upper
 75 100
 77 1.6 18.9 56.7#



#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: VX008251.D
 Acq: 20 Mar 2019 18:59

Tgt Ion: 75 Resp: 107221
 Ion Ratio Lower Upper
 75 100
 53 0.4 76.1 114.1#
 89 0.1 36.3 54.5#

