

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010146.D
 Acq On : 08 Jun 2019 18:16
 Operator : JC/SP
 Sample : K3249-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-HN-MW24S-20190606

Quant Time: Jun 10 08:02:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	296346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	443441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	395167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183154	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	130697	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	5.49	113	137358	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.71	98	516499	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.13	95	178912	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

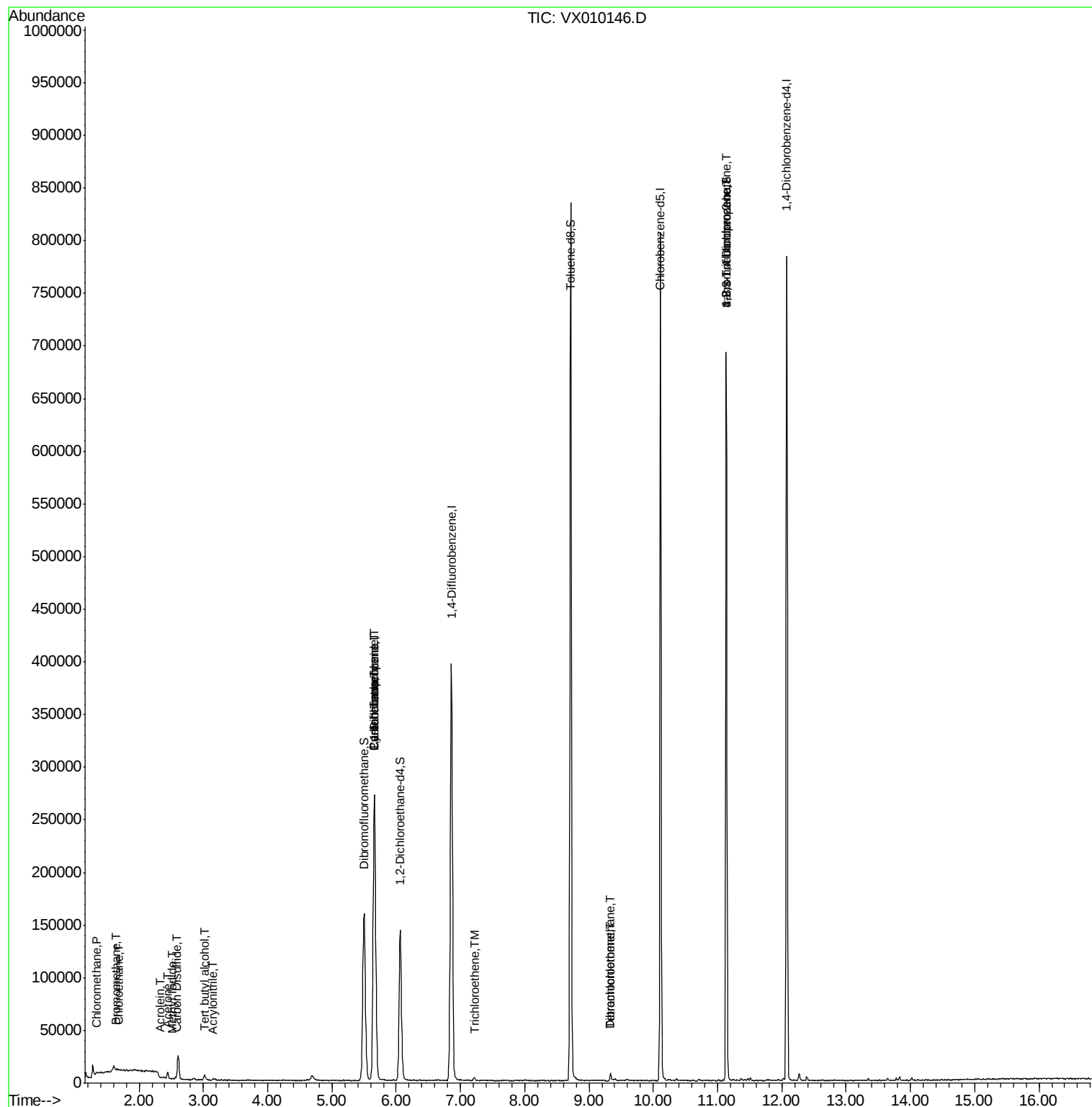
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	615	0.227	ug/l	97
5) Bromomethane	1.65	94	520	0.541	ug/l #	49
6) Chloroethane	1.68	64	554	0.432	ug/l #	43
10) Methyl Iodide	2.52	142	909	0.225	ug/l #	95
11) Tert butyl alcohol	3.03	59	2810	3.965	ug/l #	77
13) Acrolein	2.33	56	35	0.271	ug/l #	1
15) Acrylonitrile	3.15	53	572	0.395	ug/l #	91
16) Acetone	2.44	43	6395	4.700	ug/l #	86
17) Carbon Disulfide	2.57	76	2003	0.260	ug/l #	78
31) Cyclohexane	5.67	56	4290	1.019	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	17071	4.719	ug/l #	52
38) Carbon Tetrachloride	5.66	117	25206	6.155	ug/l #	16
44) Trichloroethene	7.22	130	1275	0.378	ug/l	85
60) Dibromochloromethane	9.34	129	1183	0.332	ug/l #	11
64) Tetrachloroethene	9.34	164	1224	0.417	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	80168	21.883	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	80168	48.350	ug/l #	10

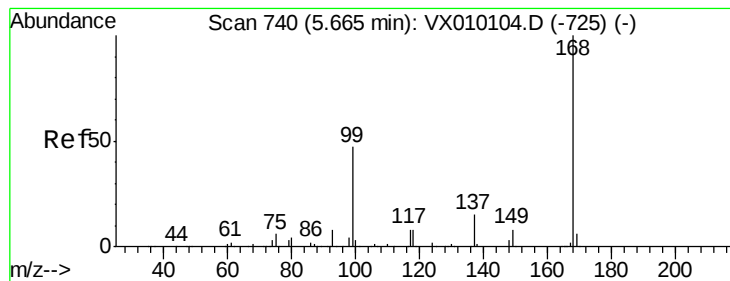
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

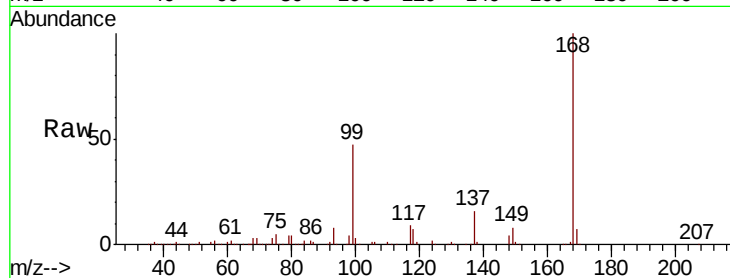
BP-HN-MW24S-20190606

Tgt Ion:168 Resp: 296346

Ion Ratio Lower Upper

168 100

99 46.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

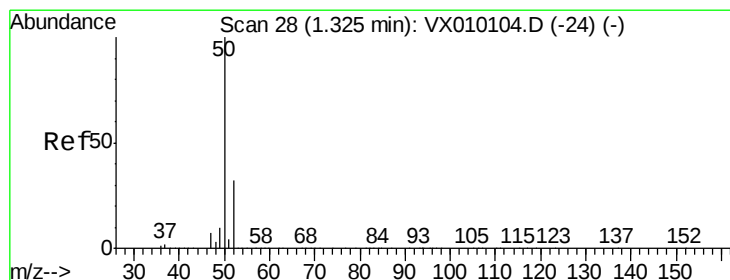
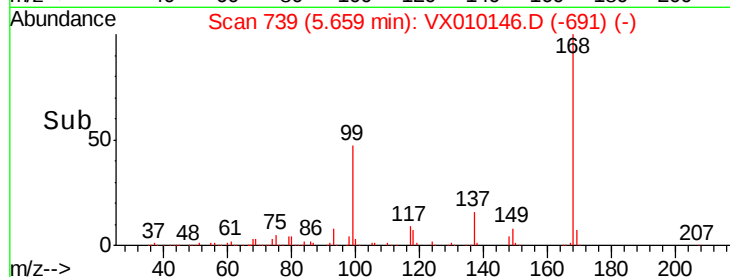
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010146.D

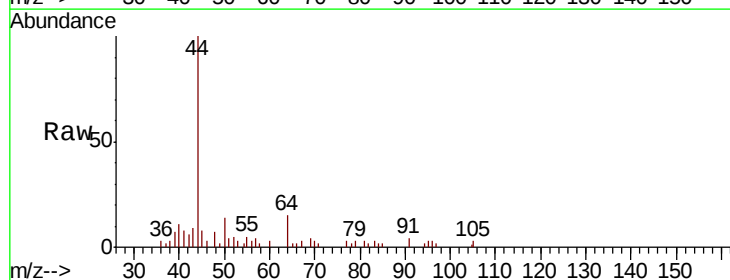
Acq: 08 Jun 2019 18:16

Tgt Ion: 50 Resp: 615

Ion Ratio Lower Upper

50 100

52 34.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

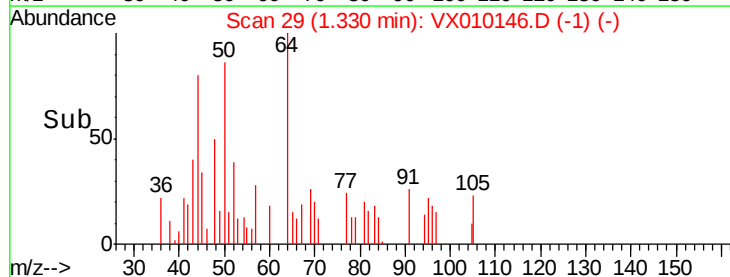
300

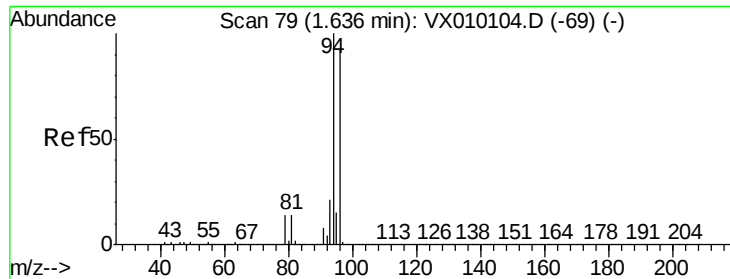
200

100

0

Time-->





#5

Bromomethane

Concen: 0.541 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

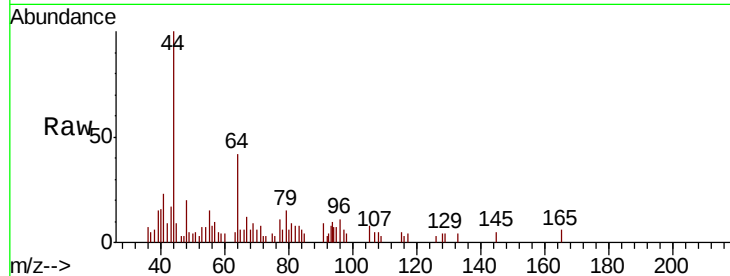
BP-HN-MW24S-20190606

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

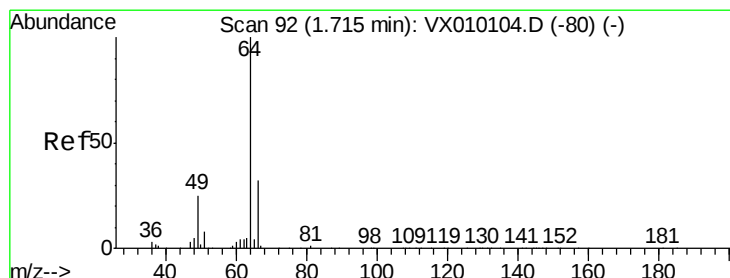
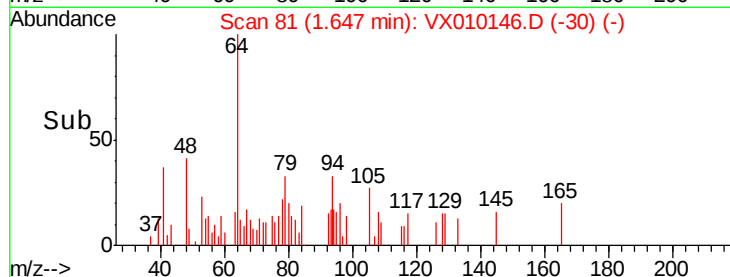
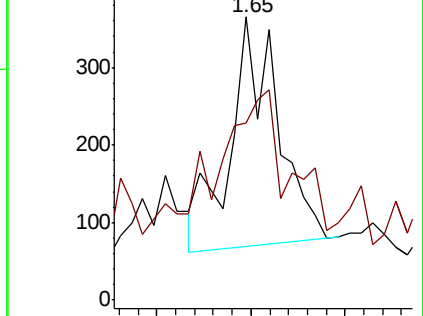
94 100

96 45.4 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.432 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010146.D

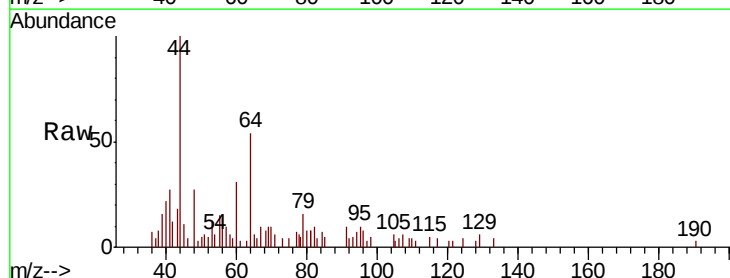
Acq: 08 Jun 2019 18:16

Tgt Ion: 64 Resp: 554

Ion Ratio Lower Upper

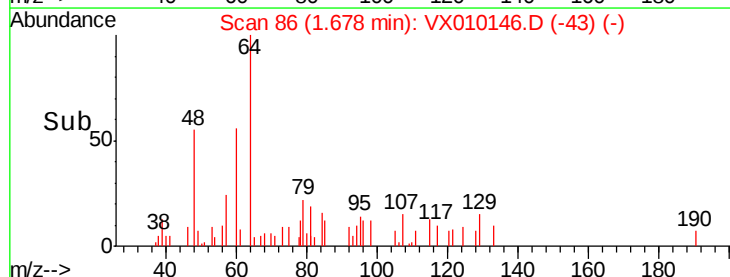
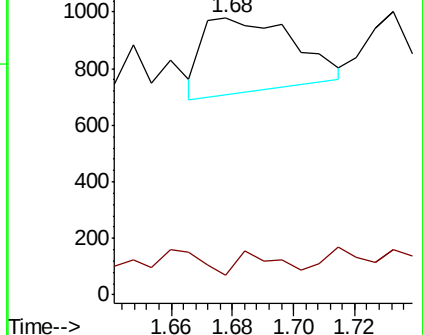
64 100

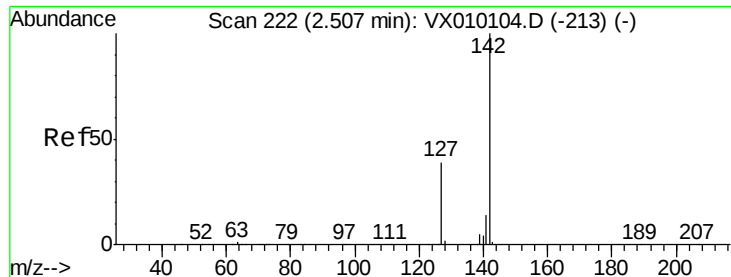
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

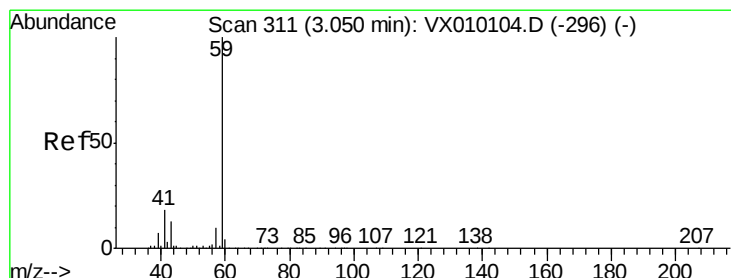
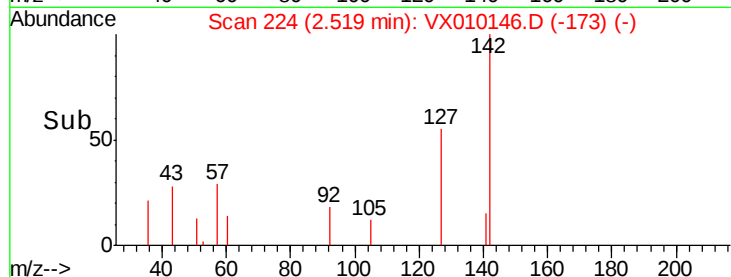
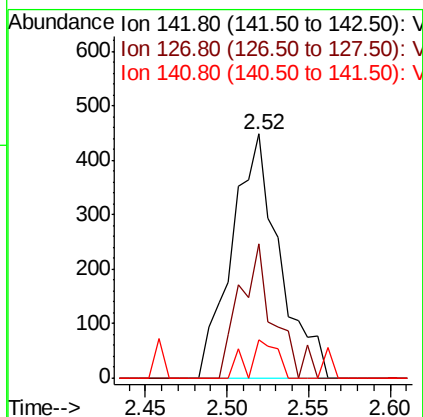
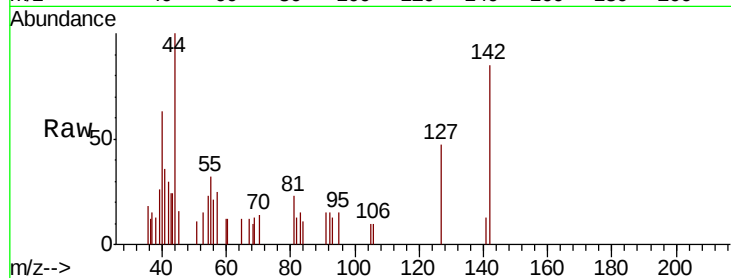




#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

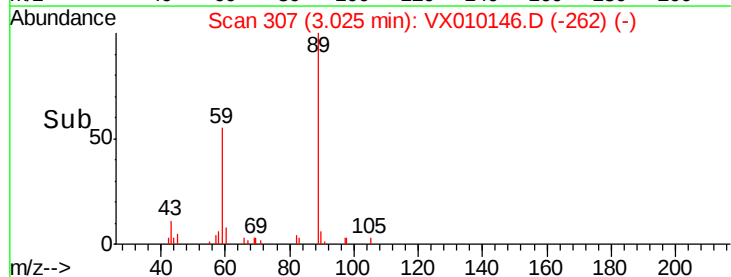
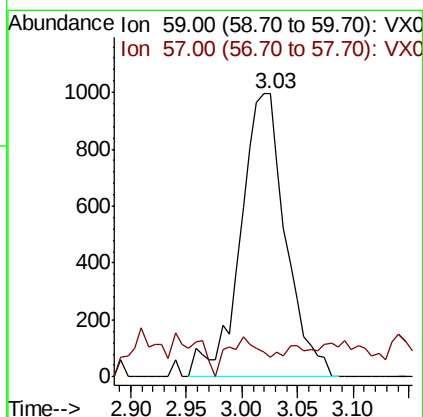
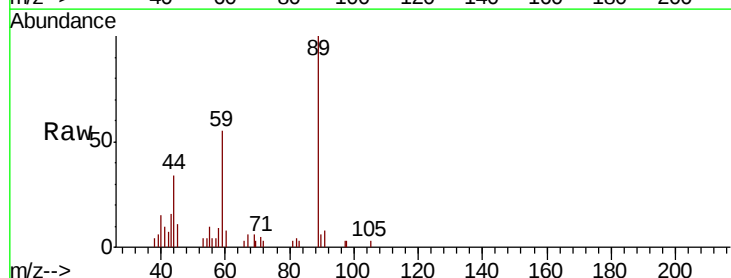
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190606

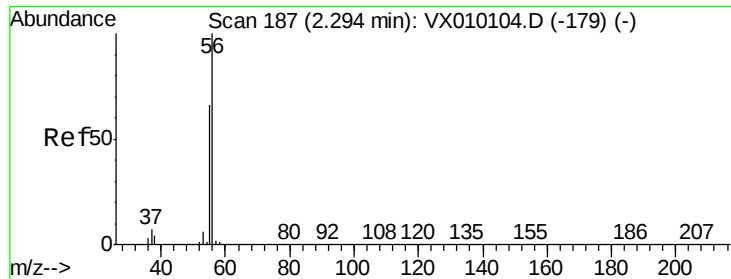
Tgt Ion: 142 Resp: 909
Ion Ratio Lower Upper
142 100
127 39.6 33.0 49.4
141 9.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.965 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

Tgt Ion: 59 Resp: 2810
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.2#

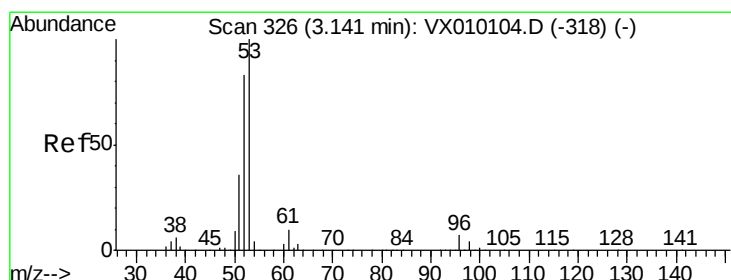
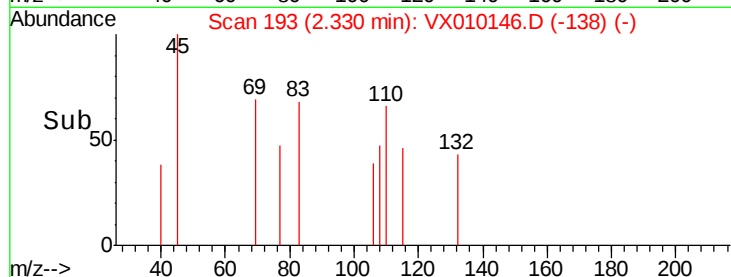
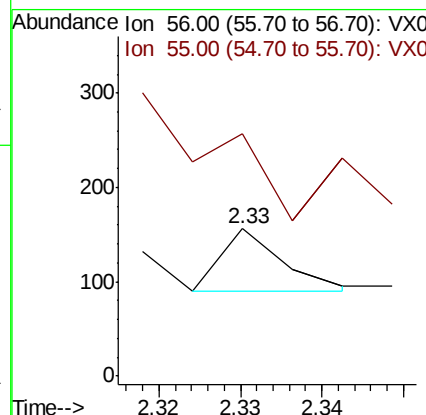
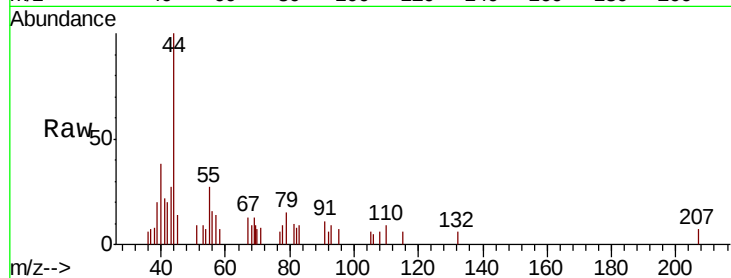




#13
Acrolein
Concen: 0.271 ug/l
RT: 2.33 min Scan# 193
Delta R.T. 0.04 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

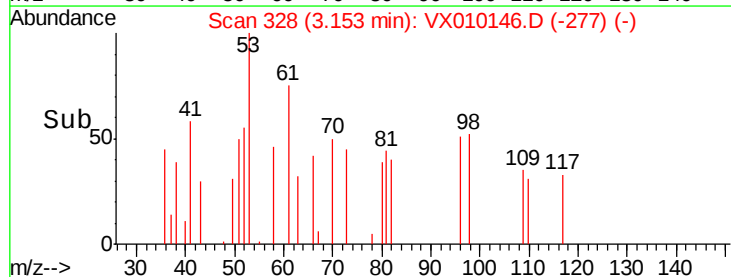
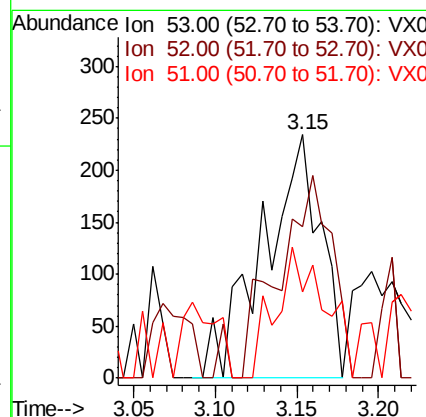
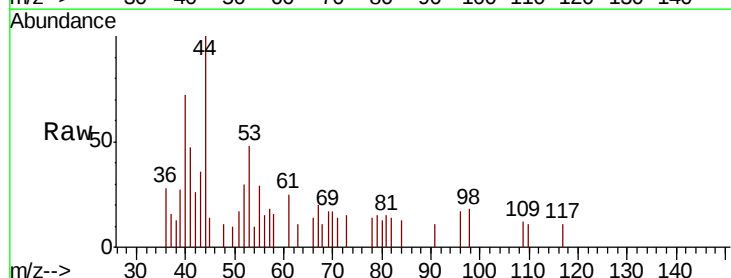
Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190606

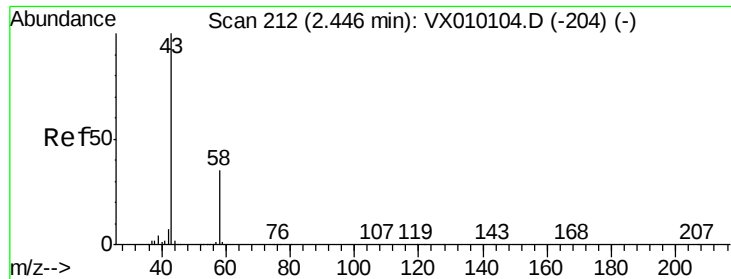
Tgt Ion: 56 Resp: 35
Ion Ratio Lower Upper
56 100
55 365.7 57.0 85.4#



#15
Acrylonitrile
Concen: 0.395 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

Tgt Ion: 53 Resp: 572
Ion Ratio Lower Upper
53 100
52 77.6 66.7 100.1
51 45.5 28.8 43.2#





#16

Acetone

Concen: 4.700 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

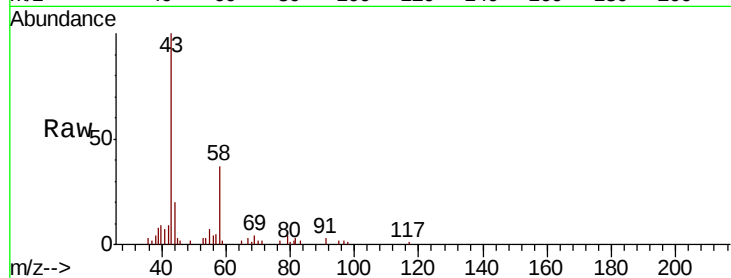
BP-HN-MW24S-20190606

Tgt Ion: 43 Resp: 6395

Ion Ratio Lower Upper

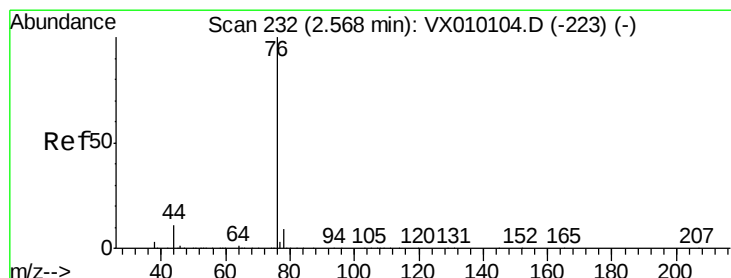
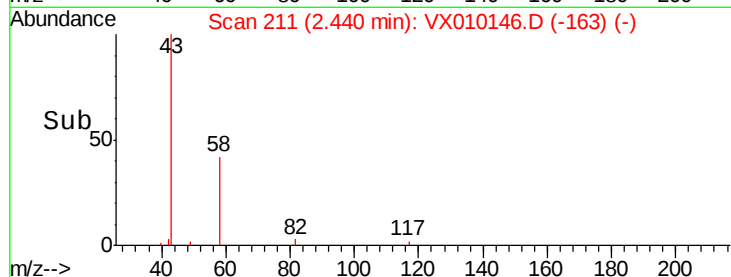
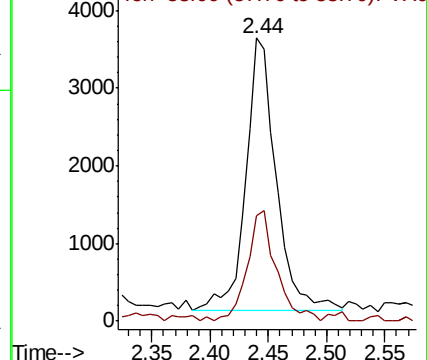
43 100

58 36.7 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010146.D

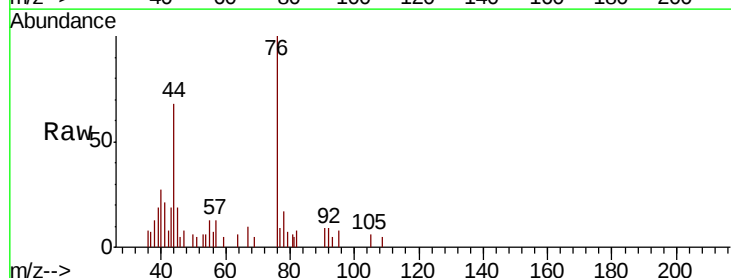
Acq: 08 Jun 2019 18:16

Tgt Ion: 76 Resp: 2003

Ion Ratio Lower Upper

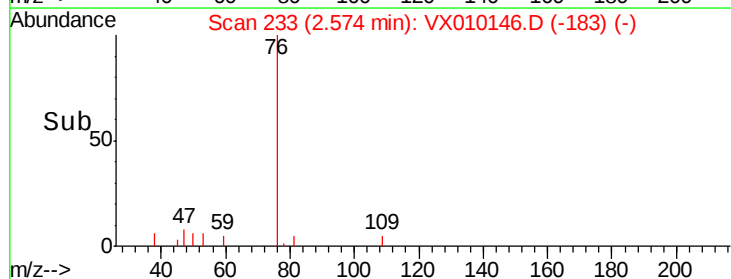
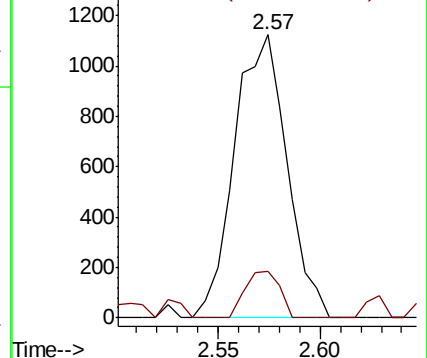
76 100

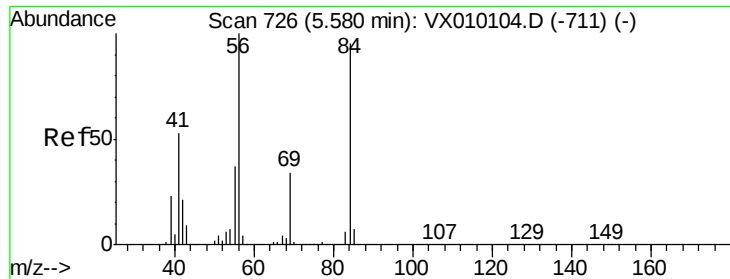
78 16.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

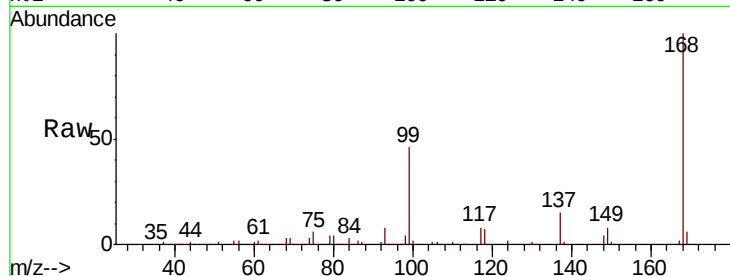




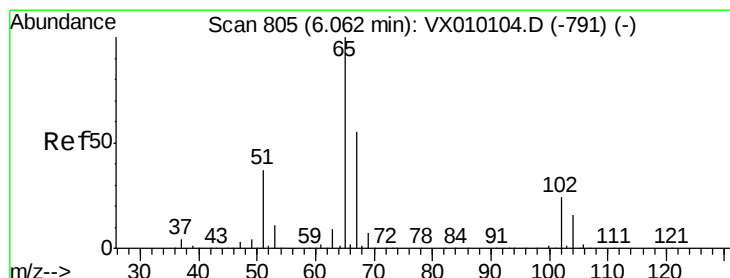
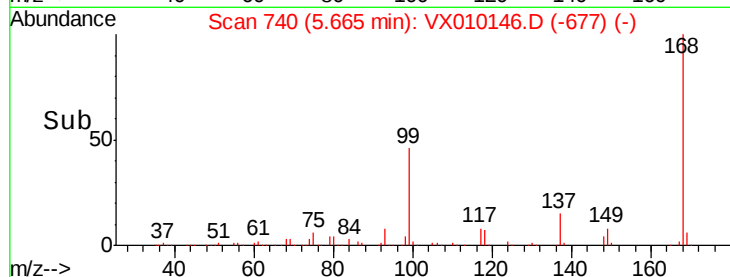
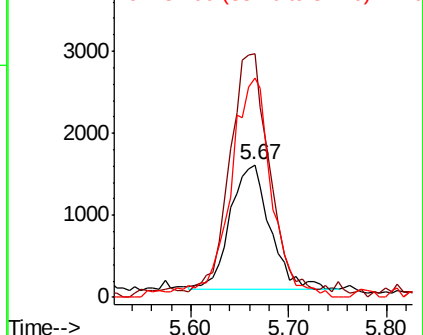
#31
Cyclohexane
Concen: 1.019 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190606

Tgt Ion: 56 Resp: 4290
Ion Ratio Lower Upper
56 100
69 191.1 21.6 32.4#
84 175.6 56.8 85.2#

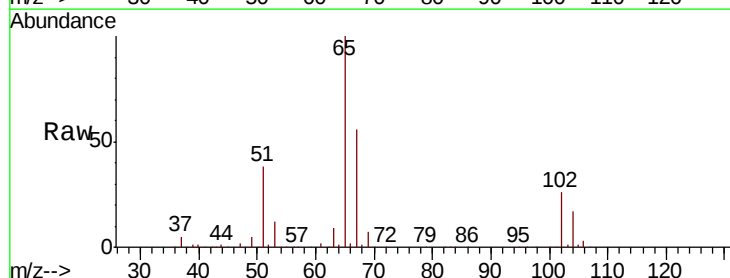


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

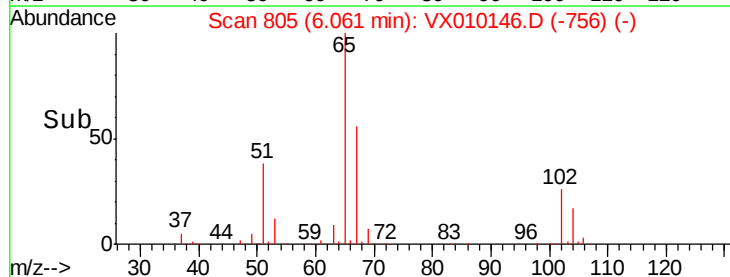
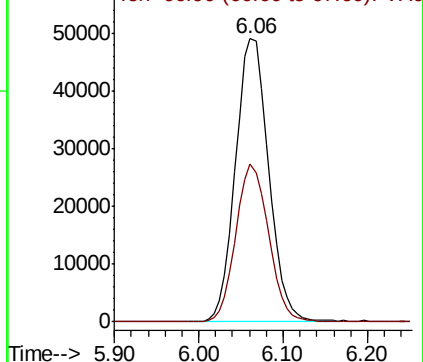


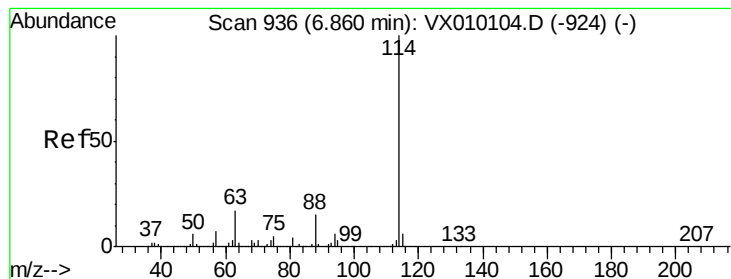
#33
1,2-Dichloroethane-d4
Concen: 45.182 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

Tgt Ion: 65 Resp: 130697
Ion Ratio Lower Upper
65 100
67 55.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

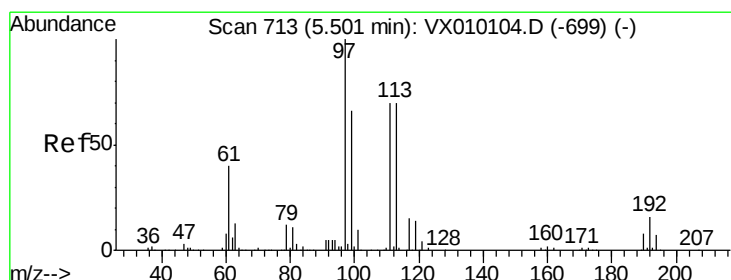
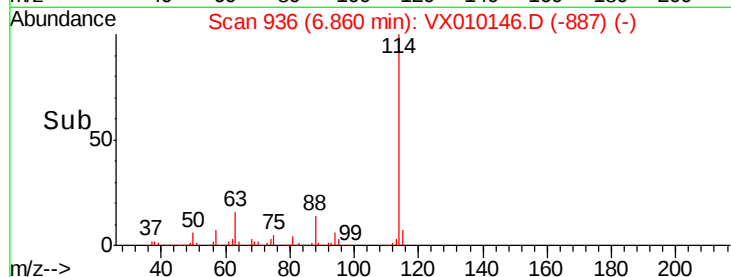
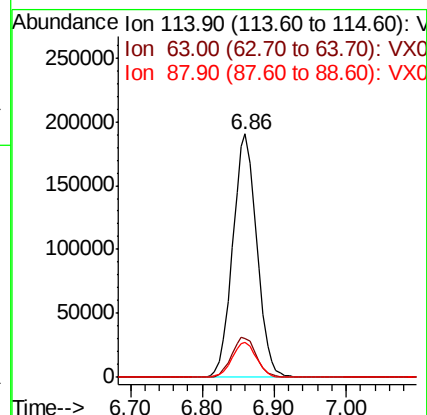
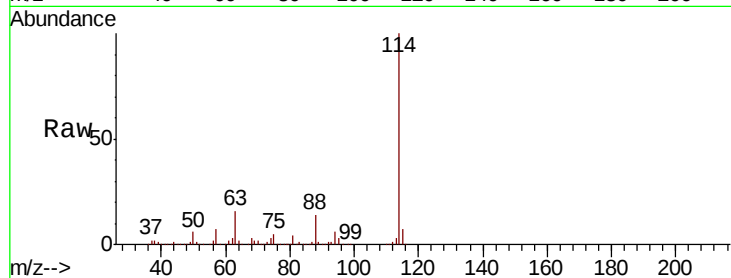




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010146.D
 Acq: 08 Jun 2019 18:16

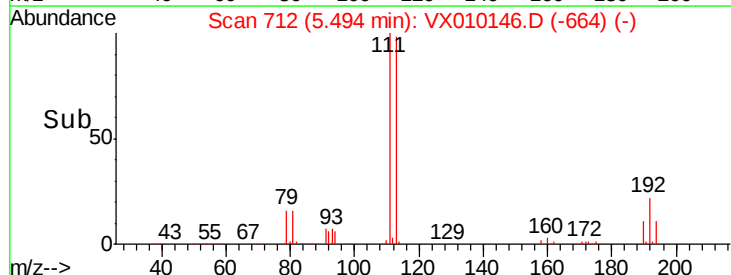
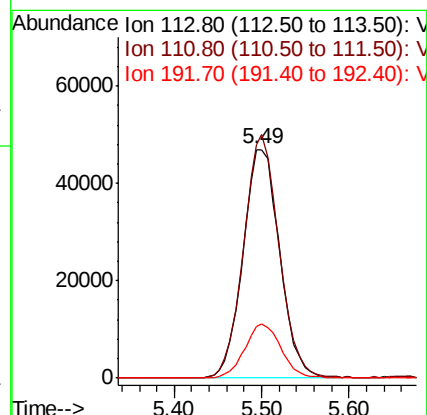
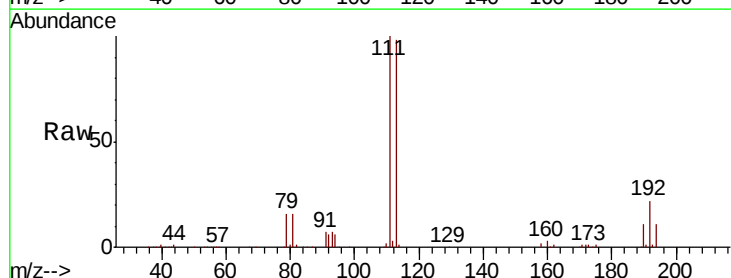
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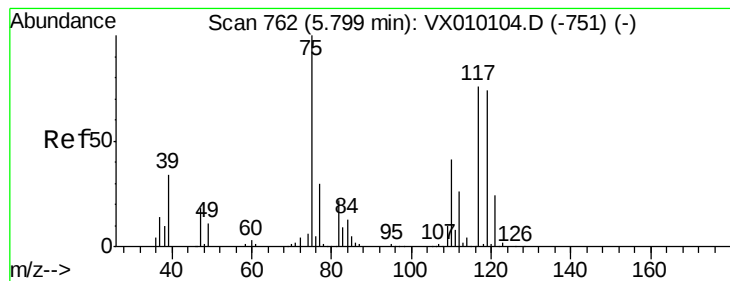
Tgt Ion:114 Resp: 443441
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 47.4
 88 14.4 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 50.218 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010146.D
 Acq: 08 Jun 2019 18:16

Tgt Ion:113 Resp: 137358
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.2
 192 23.5 17.1 25.7





#36

1,1-Dichloropropene

Concen: 4.719 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190606

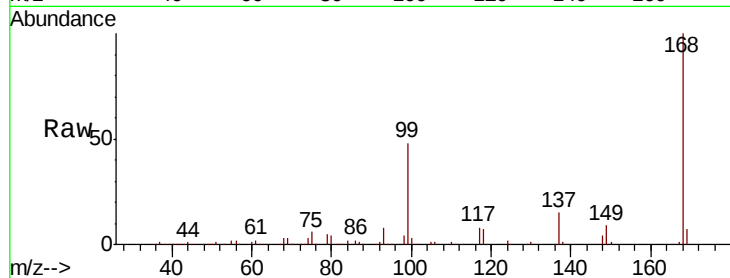
Tgt Ion: 75 Resp: 17071

Ion Ratio Lower Upper

75 100

110 10.3 16.7 50.1#

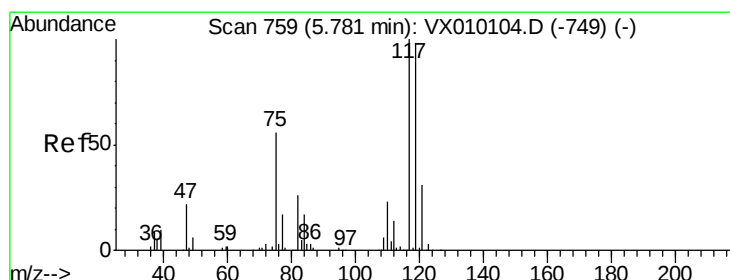
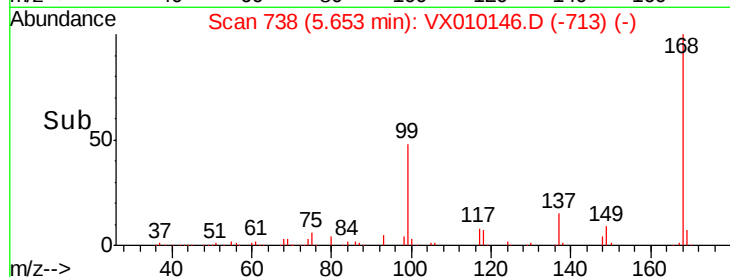
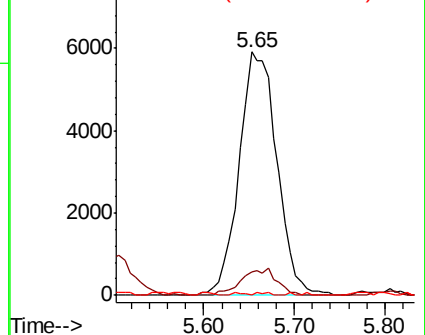
77 0.4 25.0 37.4#



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: 6.155 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

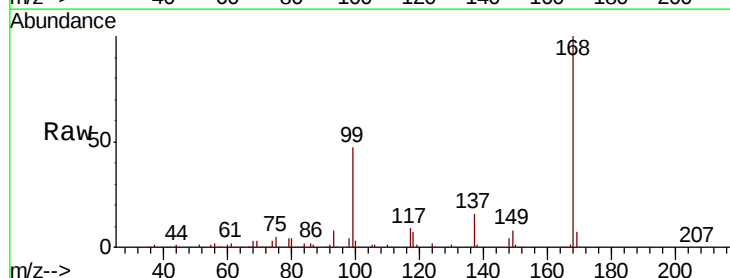
Tgt Ion: 117 Resp: 25206

Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

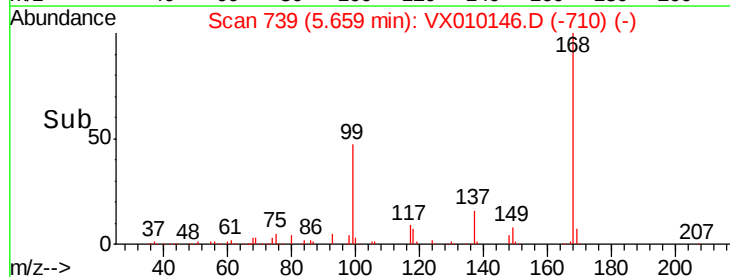
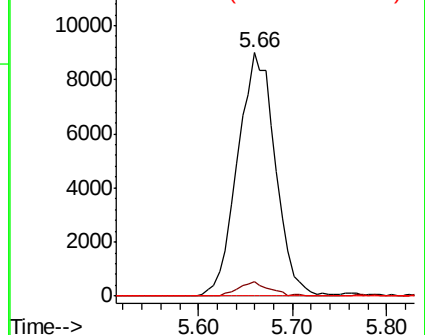
121 0.0 25.4 38.0#

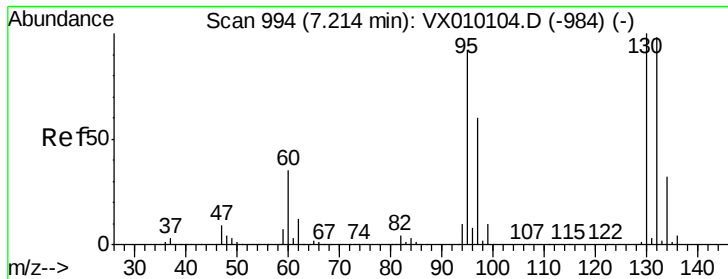


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.378 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

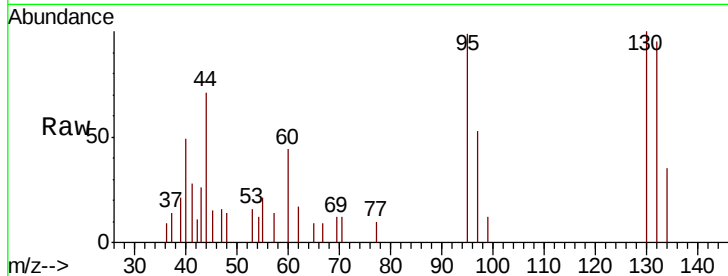
BP-HN-MW24S-20190606

Tgt Ion:130 Resp: 1275

Ion Ratio Lower Upper

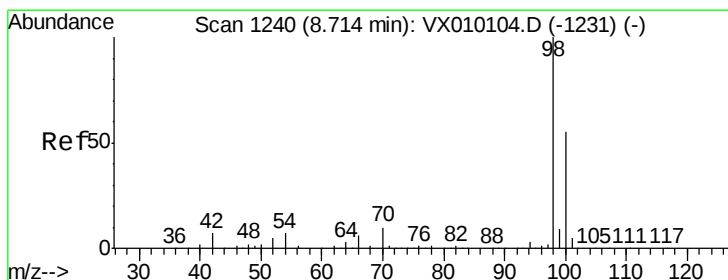
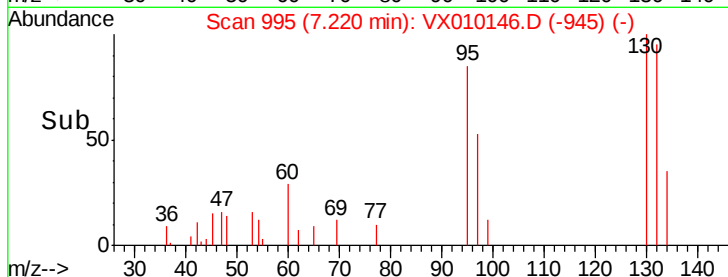
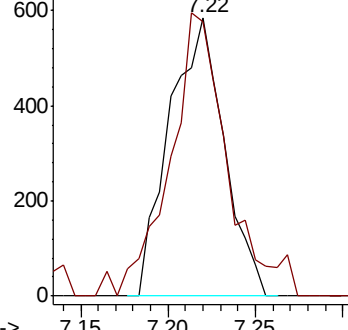
130 100

95 88.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VX0

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.384 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010146.D

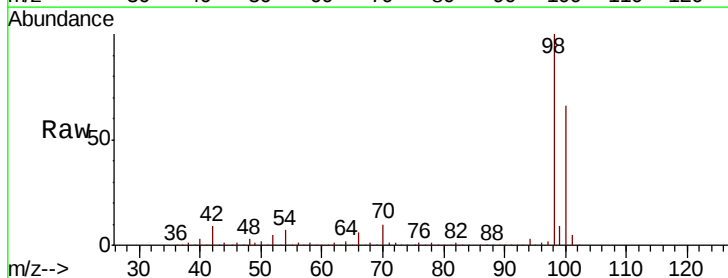
Acq: 08 Jun 2019 18:16

Tgt Ion: 98 Resp: 516499

Ion Ratio Lower Upper

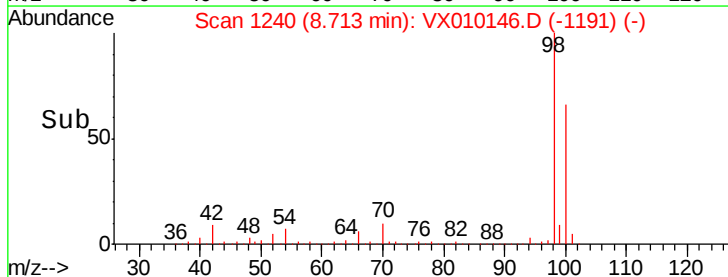
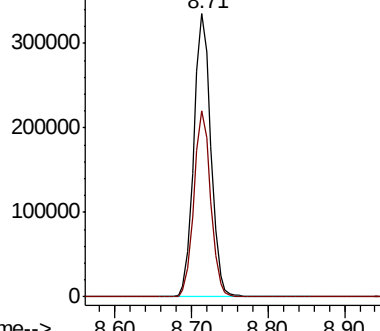
98 100

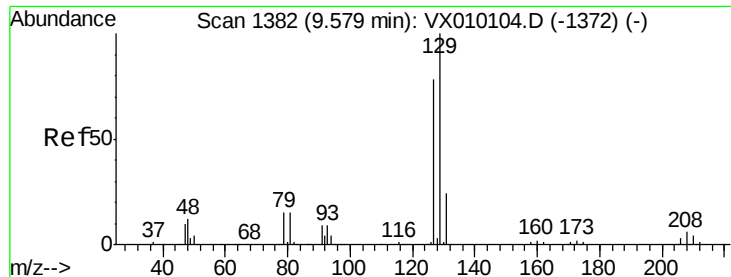
100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.332 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

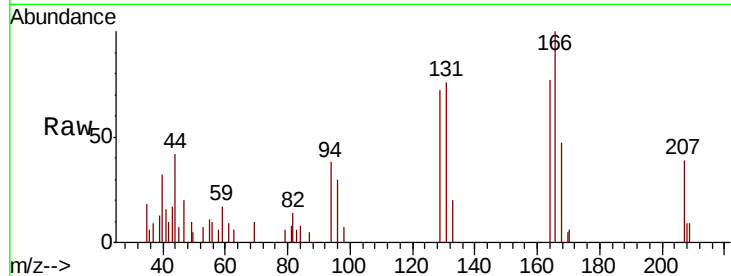
BP-HN-MW24S-20190606

Tgt Ion:129 Resp: 1183

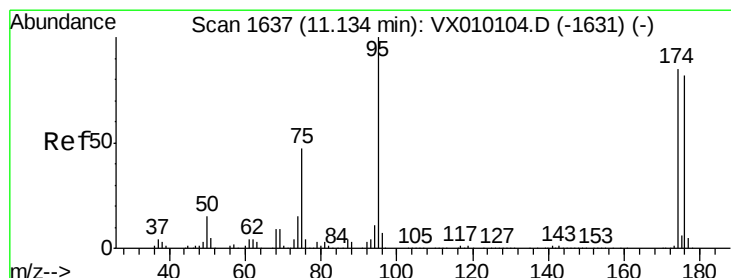
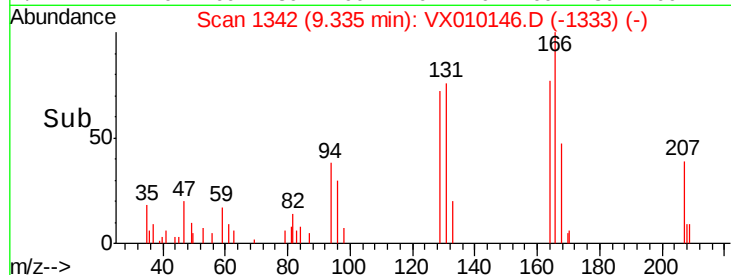
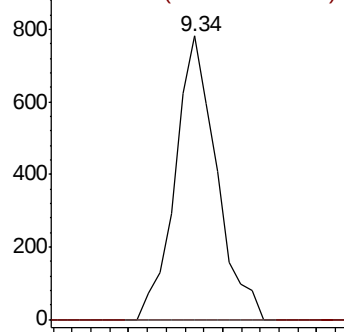
Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: 46.732 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

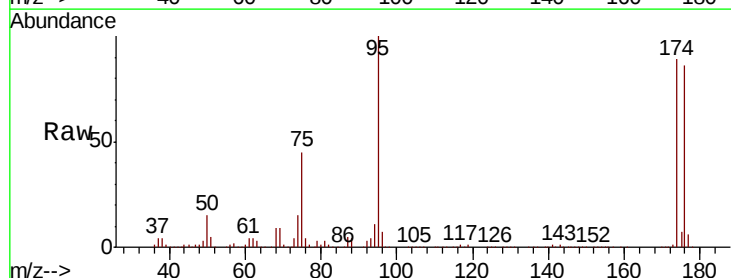
Tgt Ion: 95 Resp: 178912

Ion Ratio Lower Upper

95 100

174 93.9 0.0 160.4

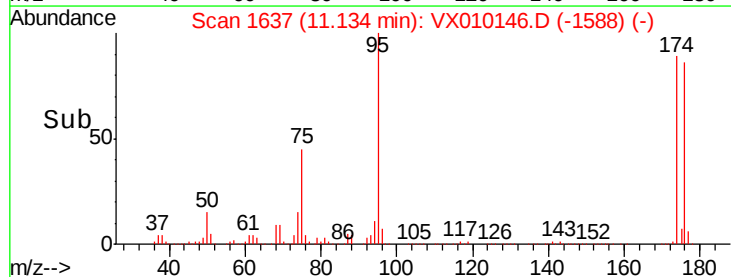
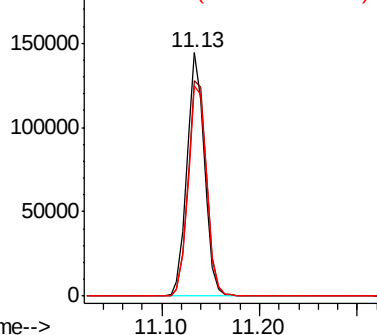
176 90.9 0.0 154.6

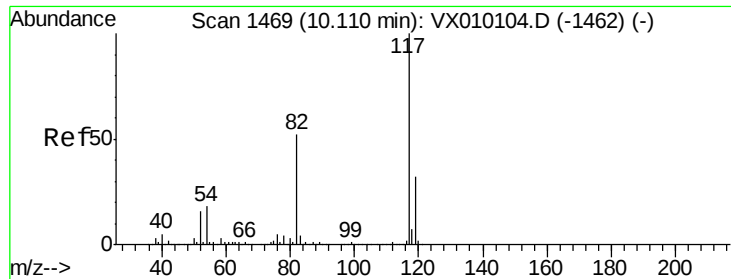


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

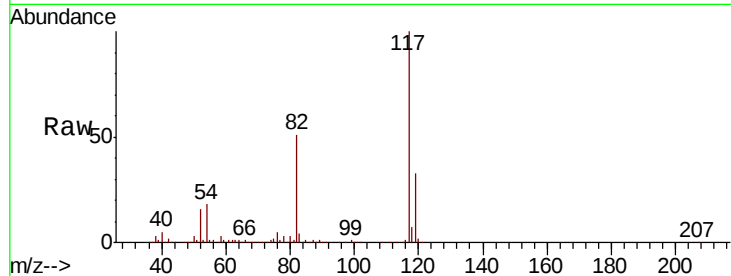




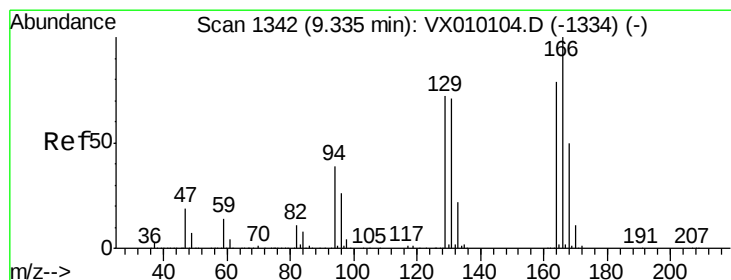
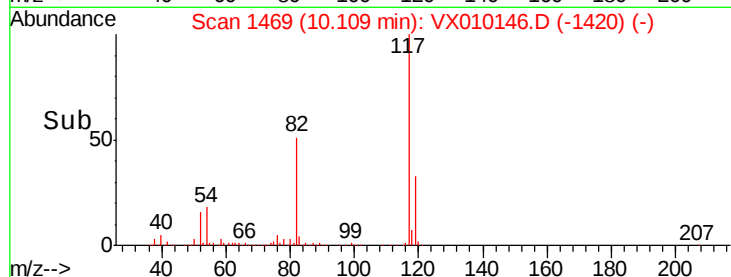
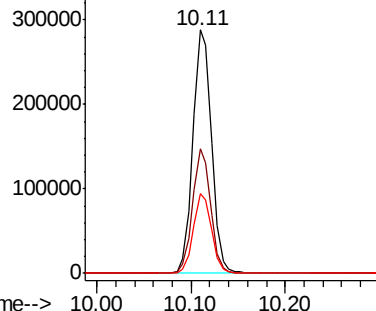
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

Instrument :
MSVOA_X
ClientSampleId :
BP-HN-MW24S-20190606

Tgt Ion:117 Resp: 395167
Ion Ratio Lower Upper
117 100
82 50.9 49.2 73.8
119 32.7 25.2 37.8

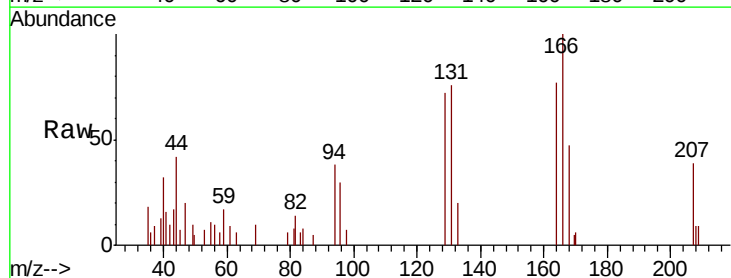


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

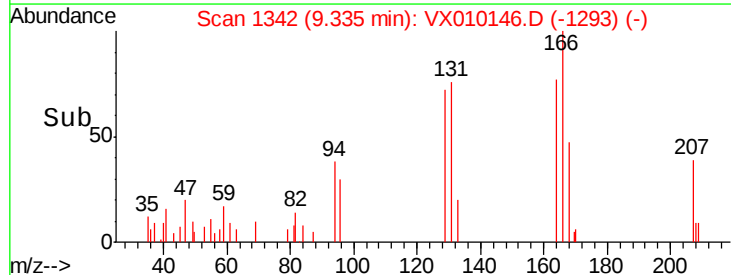
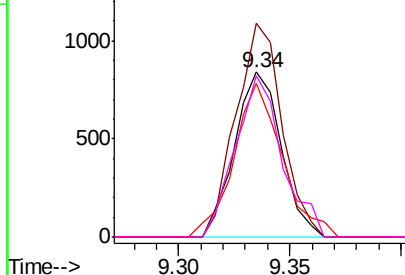


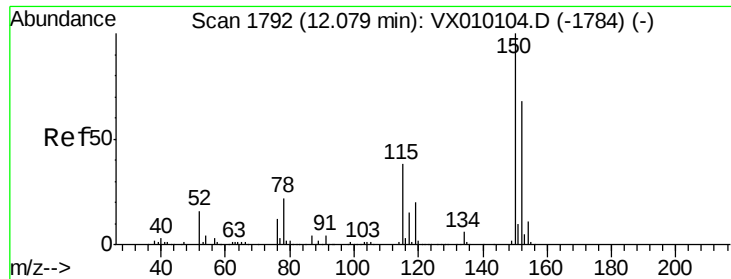
#64
Tetrachloroethene
Concen: 0.417 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010146.D
Acq: 08 Jun 2019 18:16

Tgt Ion:164 Resp: 1224
Ion Ratio Lower Upper
164 100
166 129.5 105.0 157.4
129 93.1 75.1 112.7
131 98.0 72.2 108.4



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: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190606

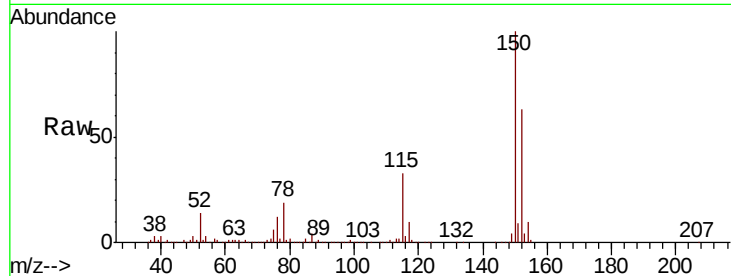
Tgt Ion:152 Resp: 183154

Ion Ratio Lower Upper

152 100

115 54.1 41.4 124.2

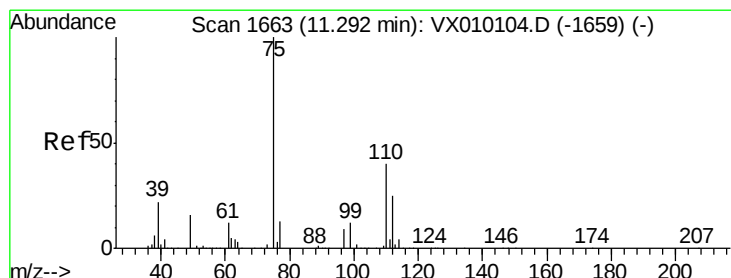
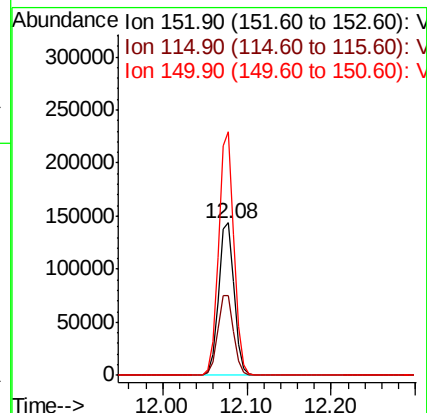
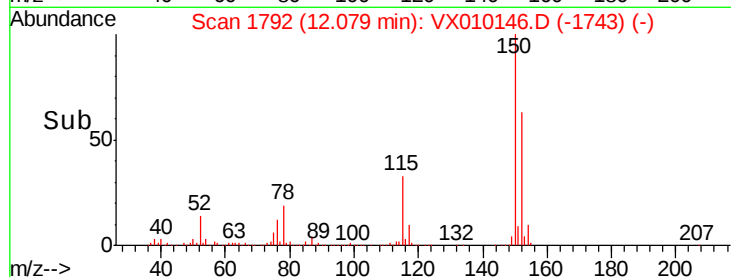
150 157.6 0.0 345.2



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: 21.883 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010146.D

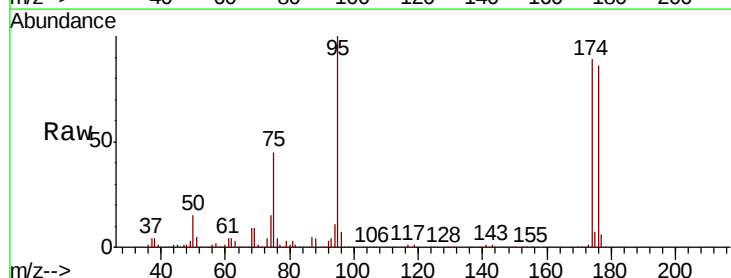
Acq: 08 Jun 2019 18:16

Tgt Ion: 75 Resp: 80168

Ion Ratio Lower Upper

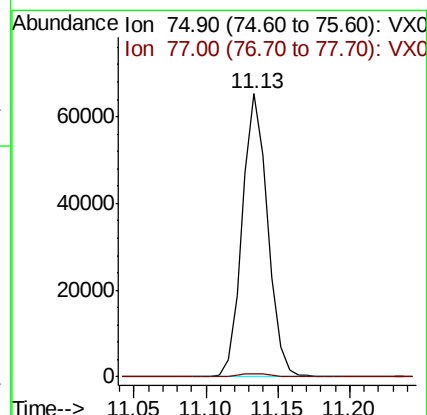
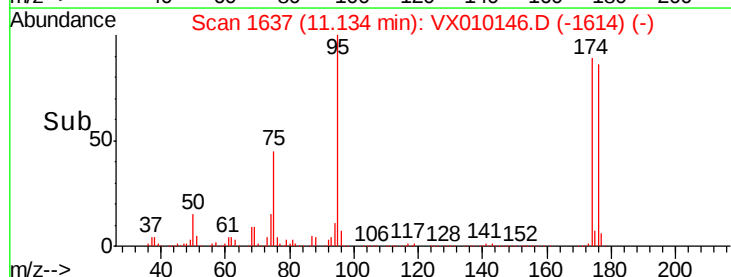
75 100

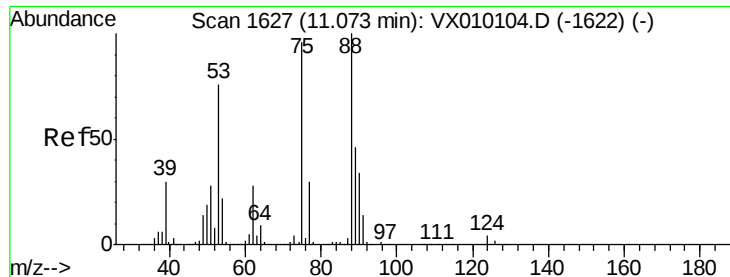
77 1.6 22.1 66.1#



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: 48.350 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010146.D

Acq: 08 Jun 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

BP-HN-MW24S-20190606

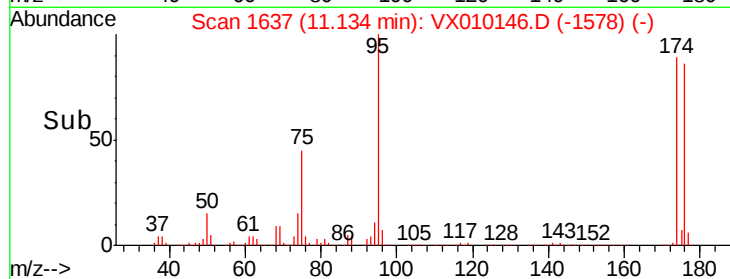
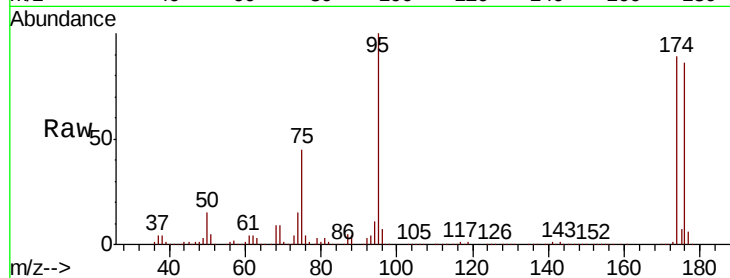
Tgt Ion: 75 Resp: 80168

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



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

