

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
 Data File : VX014177.D
 Acq On : 20 Dec 2019 16:26
 Operator : JC/SP
 Sample : K6379-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-BNM-1

Quant Time: Dec 20 22:29:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	549667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	833468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	733253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319880	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	303080	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
35) Dibromofluoromethane	5.49	113	246733	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	8.71	98	983201	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	322642	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

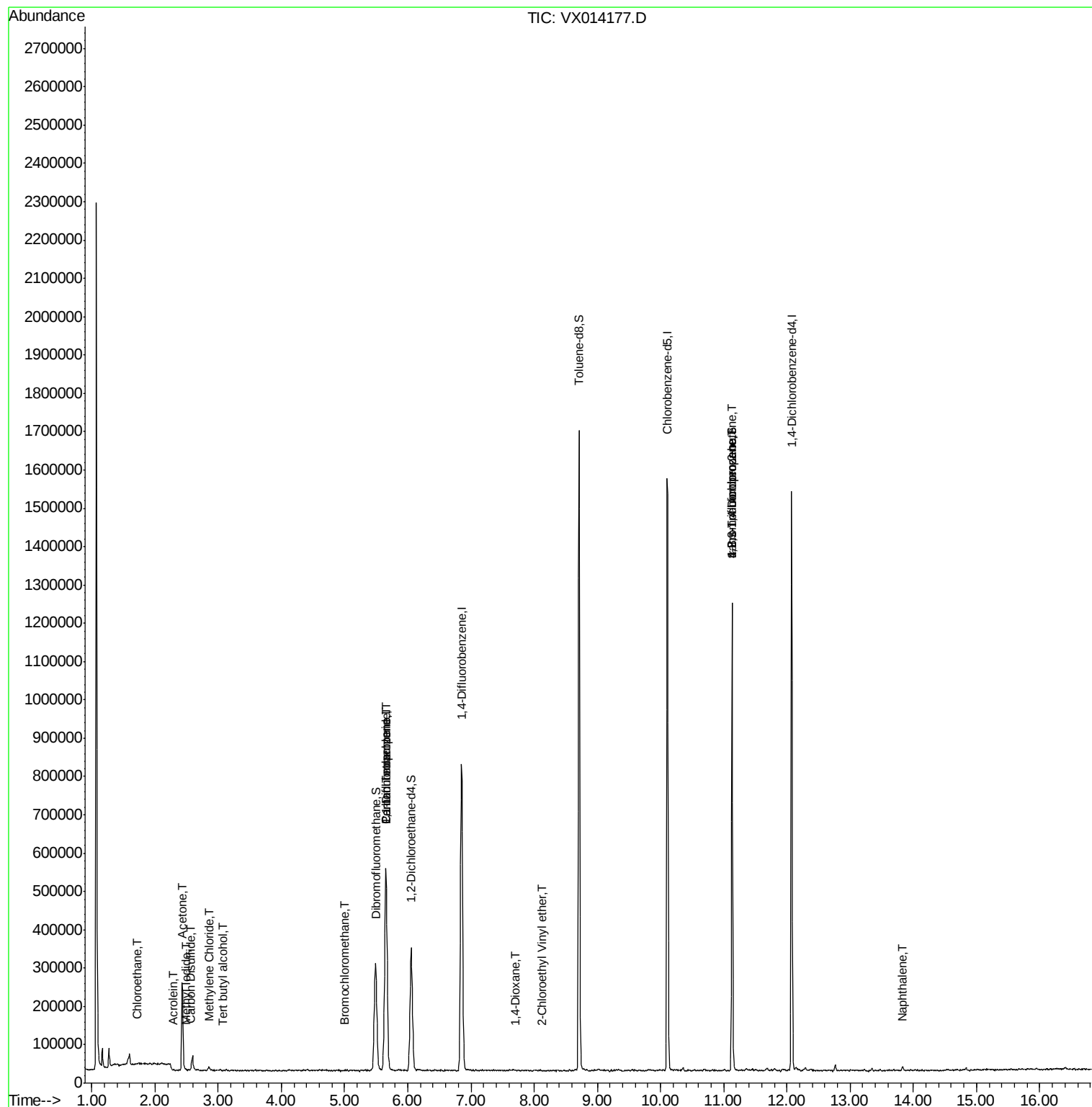
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	2352	0.547	ug/l #	45
10) Methyl Iodide	2.50	142	704	2.718	ug/l #	75
11) Tert butyl alcohol	3.08	59	654	0.486	ug/l #	2
13) Acrolein	2.29	56	327	0.424	ug/l #	14
16) Acetone	2.43	43	241455	59.701	ug/l	100
17) Carbon Disulfide	2.56	76	1041	0.820	ug/l #	77
20) Methylene Chloride	2.85	84	4954	0.778	ug/l #	94
28) Bromochloromethane	5.00	49	266	0.519	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	37661	4.925	ug/l #	52
38) Carbon Tetrachloride	5.65	117	45916	6.591	ug/l #	16
49) 1,4-Dioxane	7.70	88	572	4.107	ug/l #	67
58) 2-Chloroethyl Vinyl ether	8.13	63	757	0.214	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	157093	22.621	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	157093	63.849	ug/l #	12
95) Naphthalene	13.83	128	7968	0.382	ug/l #	85

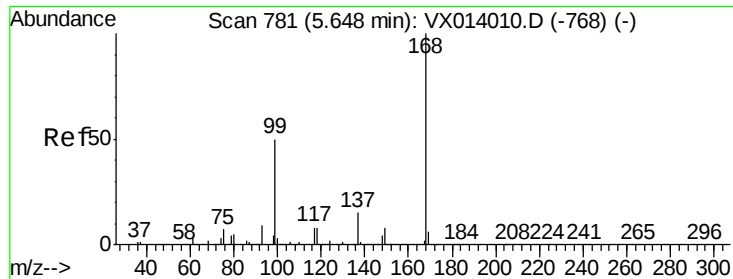
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

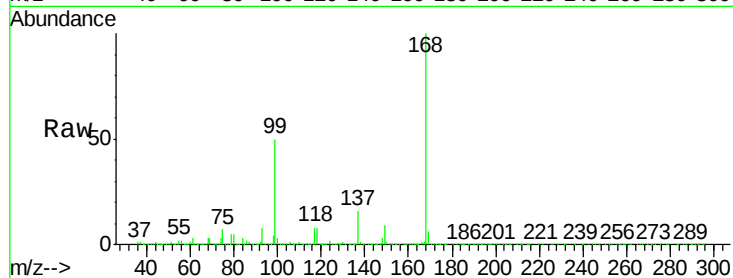
MH-BNM-1

Tgt Ion:168 Resp: 549667

Ion Ratio Lower Upper

168 100

99 49.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

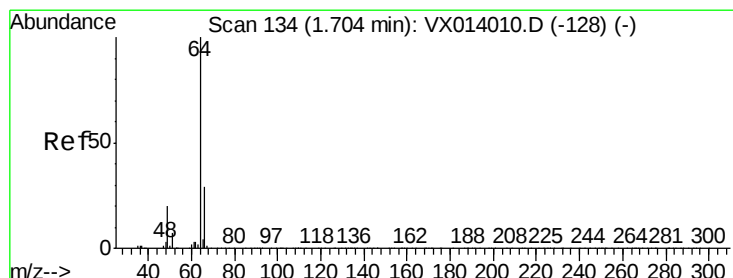
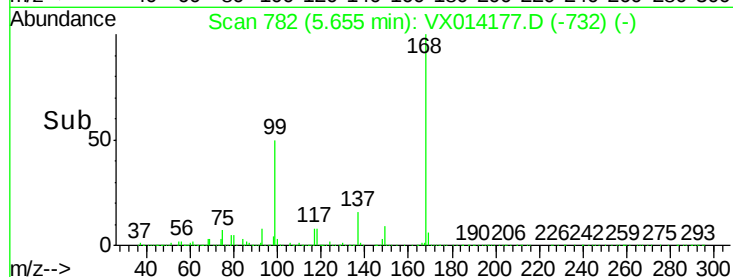
5.50

5.60

5.70

5.80

Time-->



#6

Chloroethane

Concen: 0.547 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014177.D

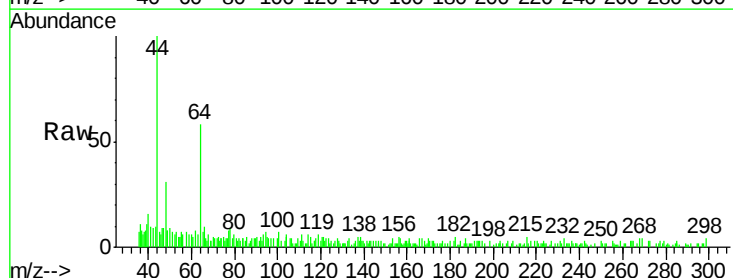
Acq: 20 Dec 2019 16:26

Tgt Ion: 64 Resp: 2352

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

1500

1000

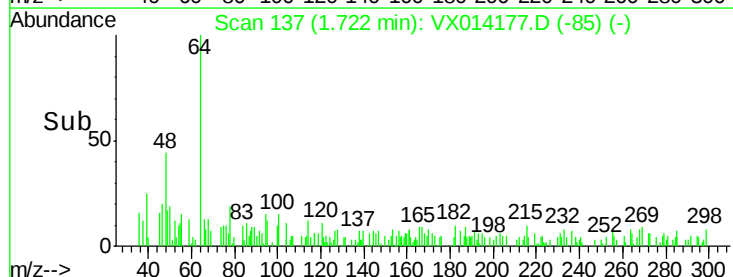
500

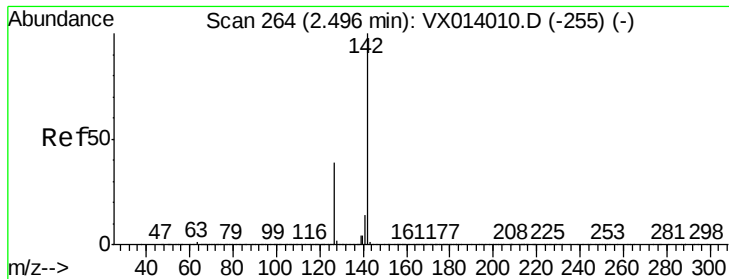
0

1.70

1.75

Time-->

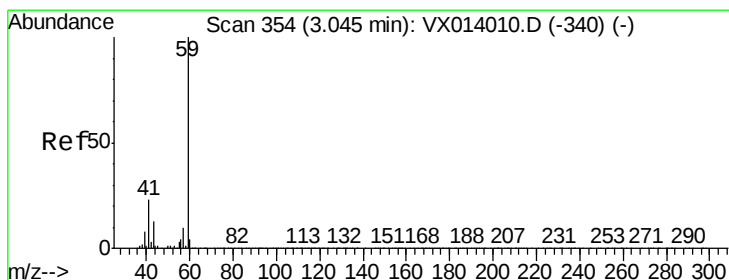
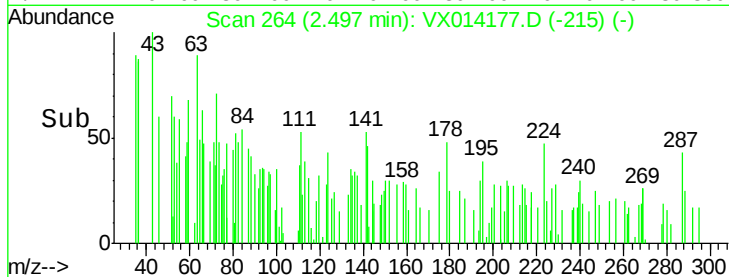
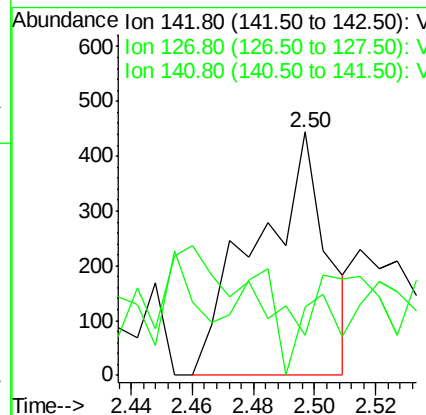
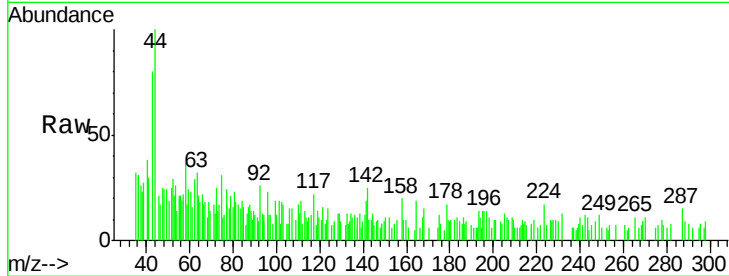




#10
Methyl Iodide
Concen: 2.718 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

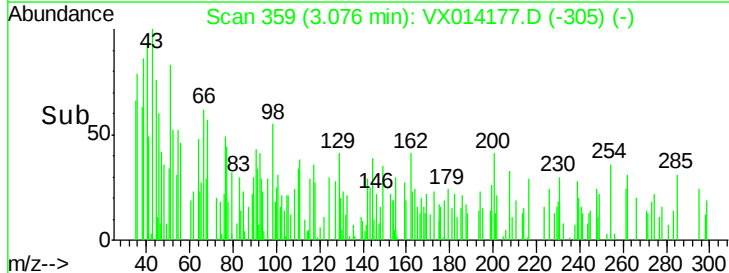
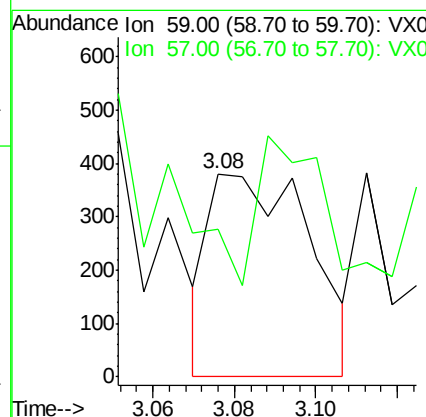
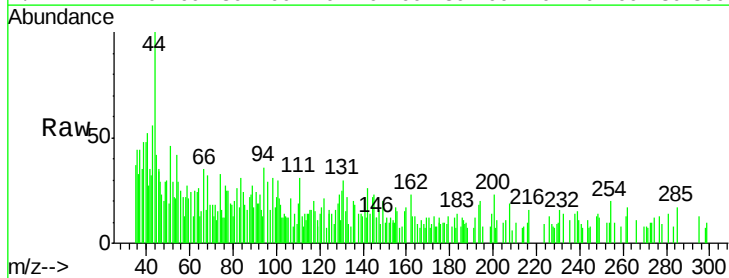
Instrument :
MSVOA_X
ClientSampled :
MH-BNM-1

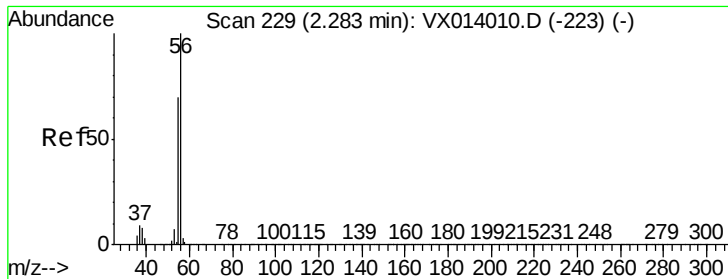
Tgt Ion: 142 Resp: 704
Ion Ratio Lower Upper
142 100
127 20.3 31.6 47.4#
141 17.9 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.486 ug/l
RT: 3.08 min Scan# 359
Delta R.T. 0.03 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 47.1 8.4 12.6#

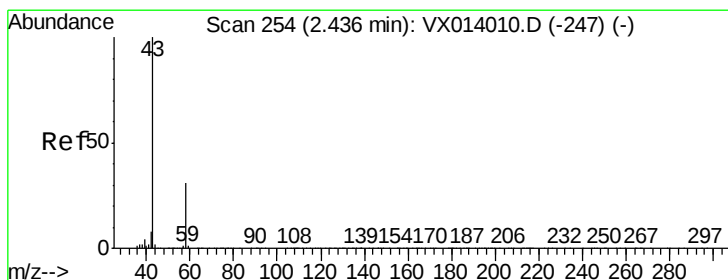
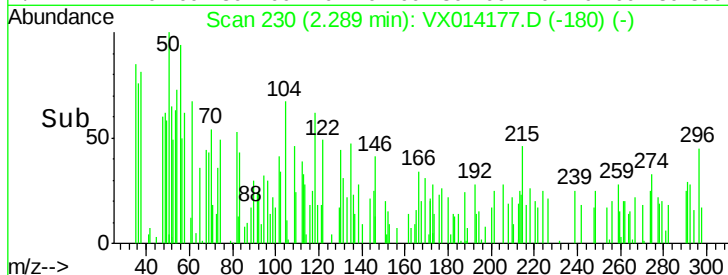
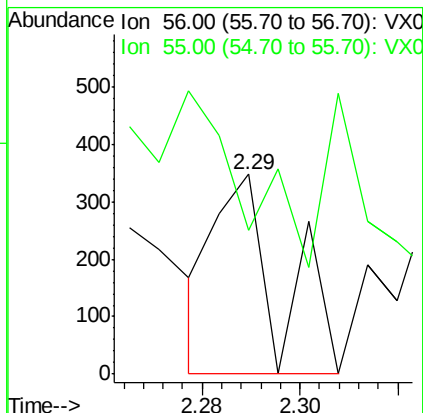
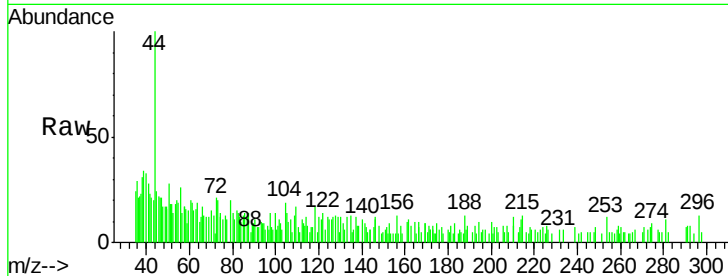




#13
Acrolein
Concen: 0.424 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

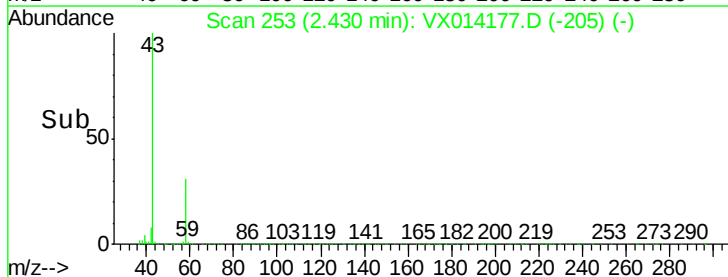
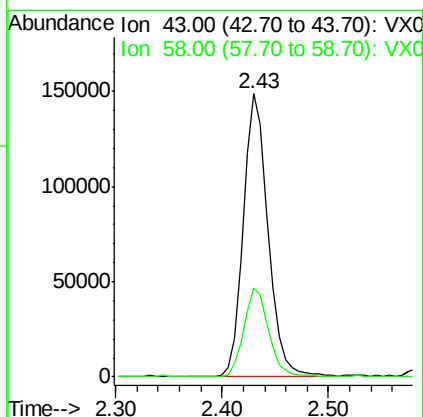
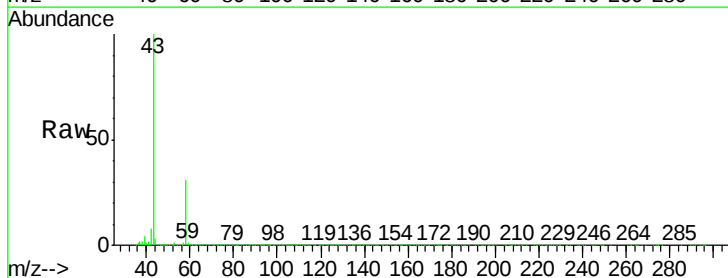
Instrument :
MSVOA_X
ClientSampleId :
MH-BNM-1

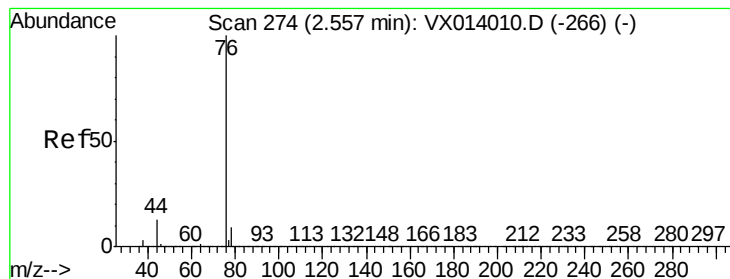
Tgt Ion: 56 Resp: 327
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#16
Acetone
Concen: 59.701 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

Tgt Ion: 43 Resp: 241455
Ion Ratio Lower Upper
43 100
58 31.0 24.9 37.3





#17

Carbon Disulfide

Concen: 0.820 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

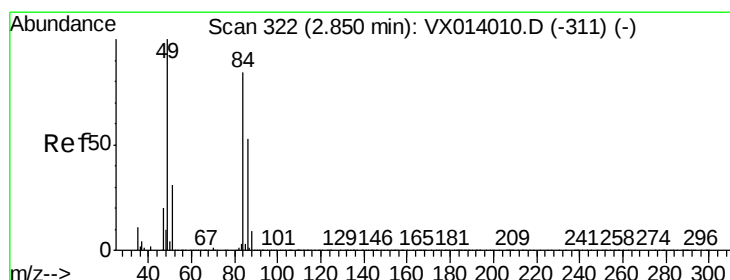
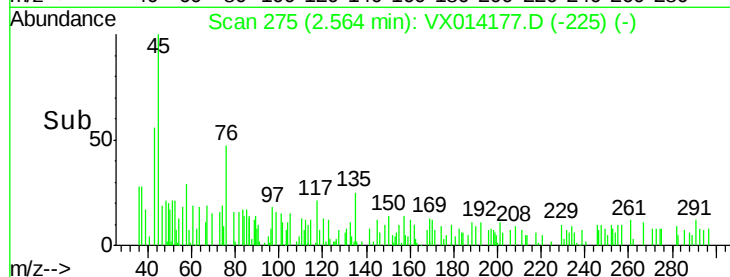
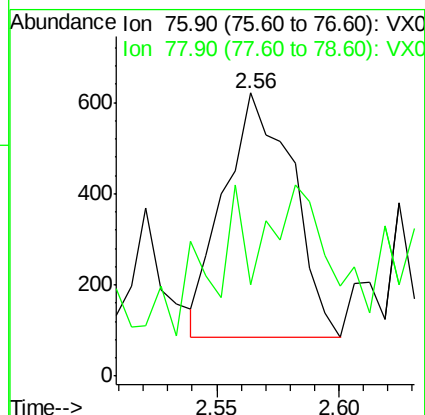
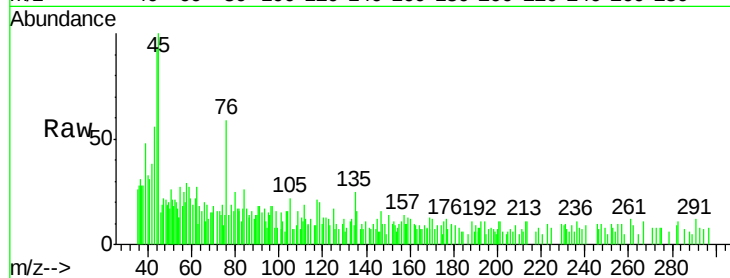
MH-BNM-1

Tgt Ion: 76 Resp: 1041

Ion Ratio Lower Upper

76 100

78 0.7 7.2 10.8#



#20

Methylene Chloride

Concen: 0.778 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

Tgt Ion: 84 Resp: 4954

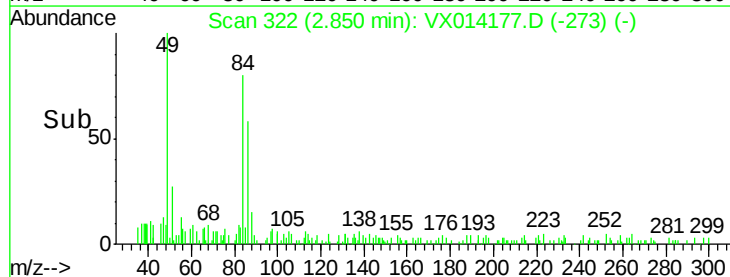
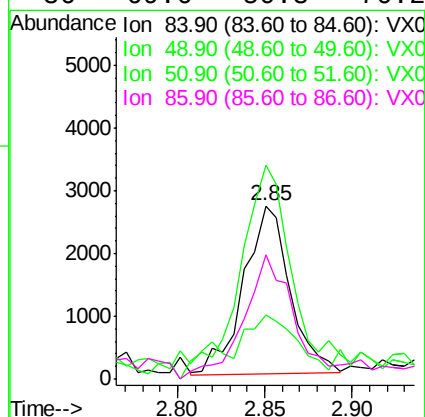
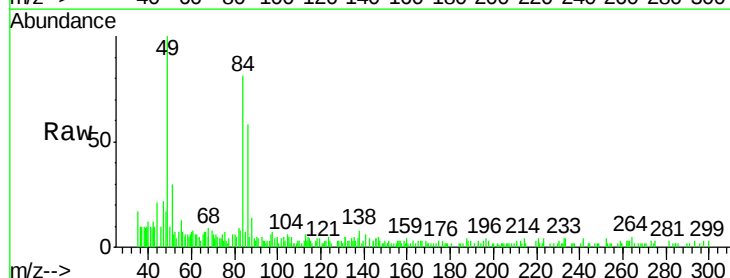
Ion Ratio Lower Upper

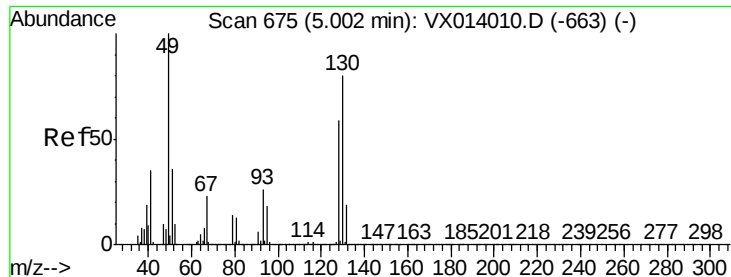
84 100

49 117.1 95.8 143.6

51 28.9 29.8 44.8#

86 69.6 50.8 76.2





#28

Bromochloromethane

Concen: 0.519 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

MH-BNM-1

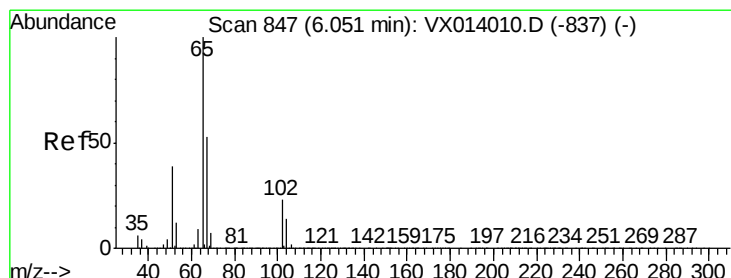
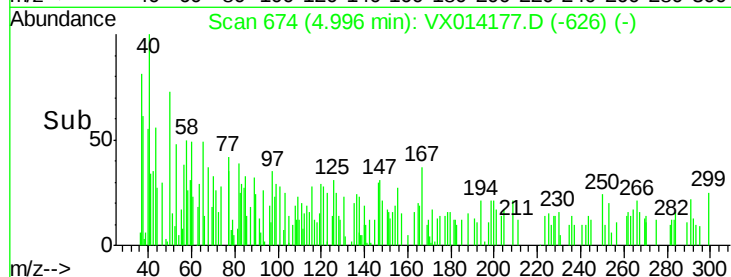
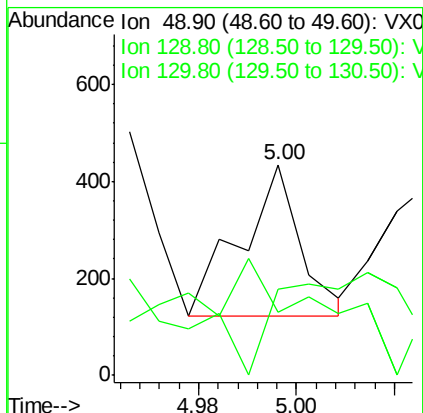
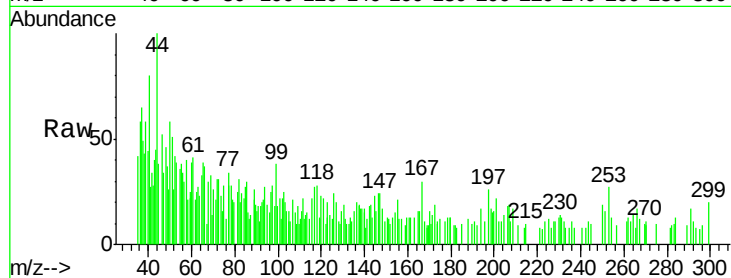
Tgt Ion: 49 Resp: 266

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 200.0 64.6 97.0#



#33

1,2-Dichloroethane-d4

Concen: 48.651 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014177.D

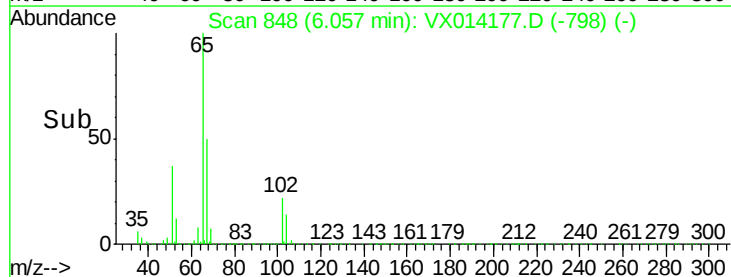
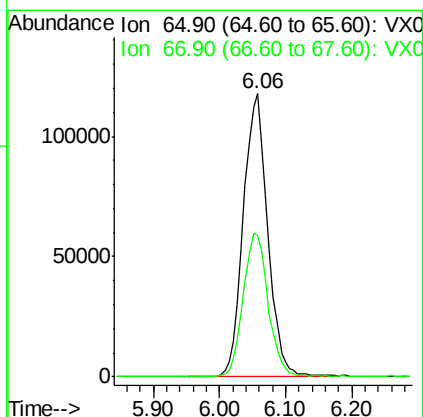
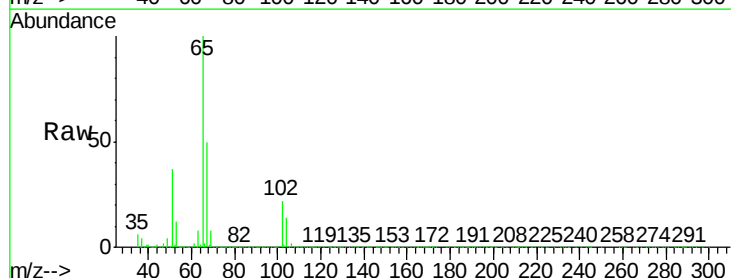
Acq: 20 Dec 2019 16:26

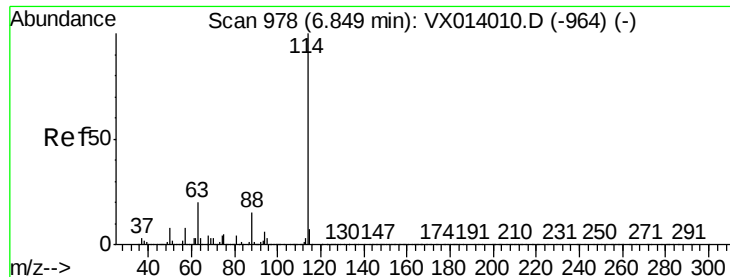
Tgt Ion: 65 Resp: 303080

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

Instrument :

MSVOA_X

ClientSampleId :

MH-BNM-1

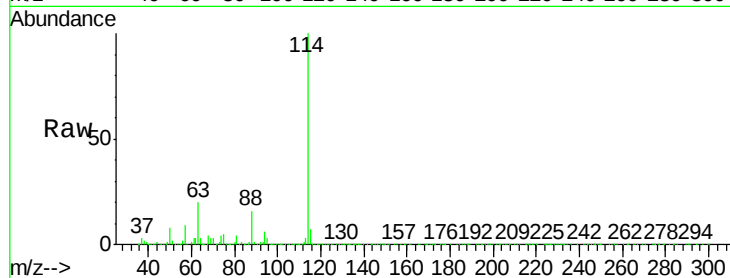
Tgt Ion:114 Resp: 833468

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

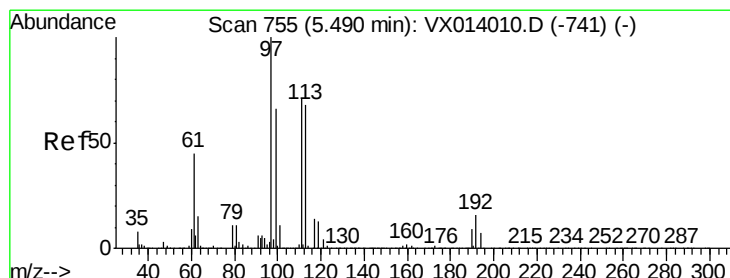
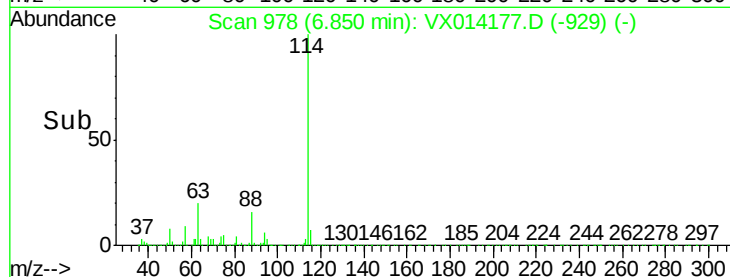
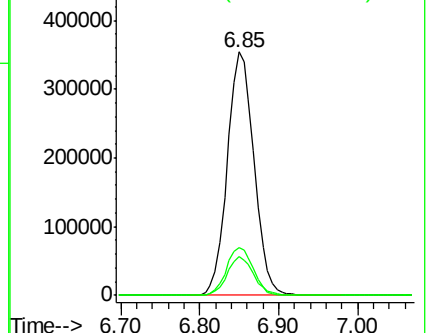
88 15.9 0.0 30.4



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: 48.698 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

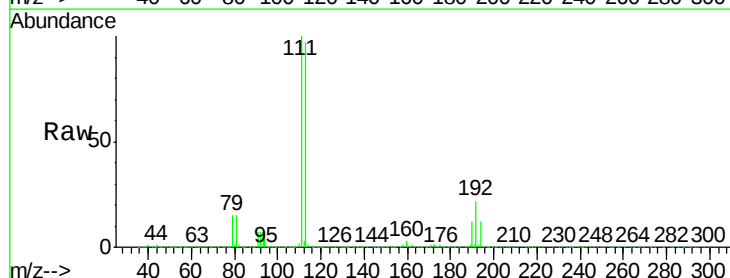
Tgt Ion:113 Resp: 246733

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

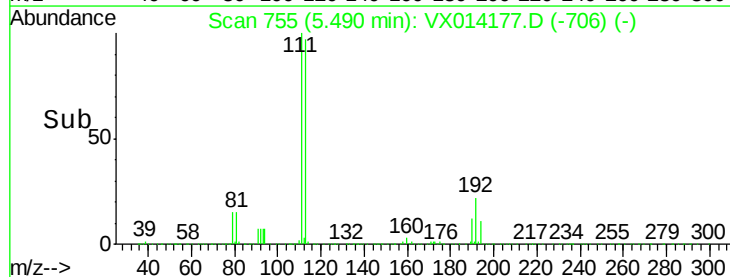
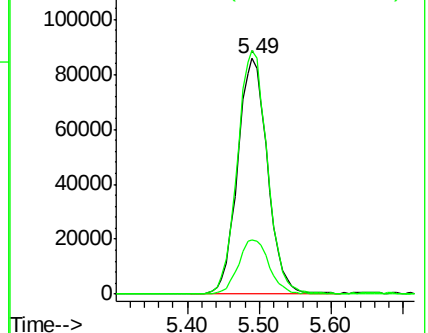
192 24.1 19.3 28.9

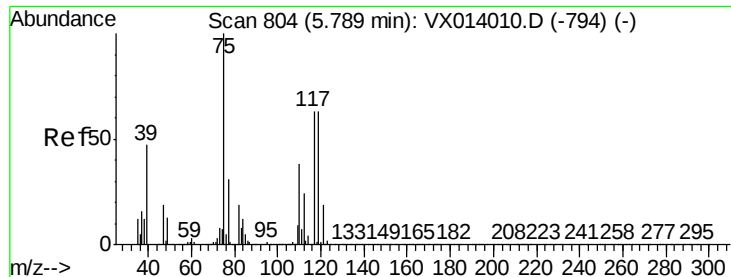


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

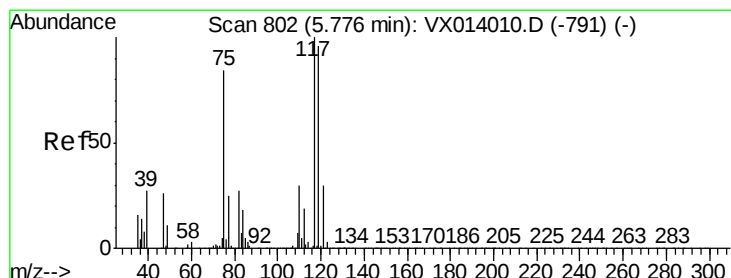
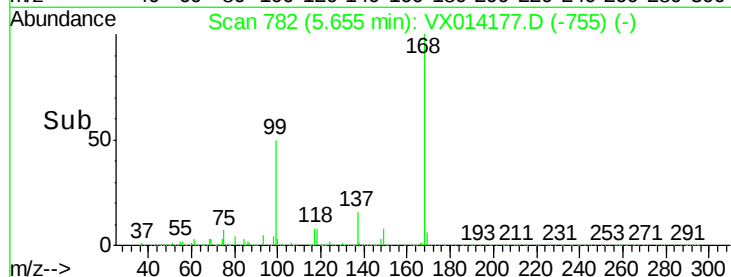
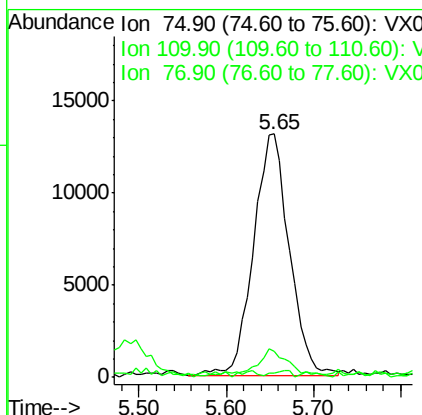
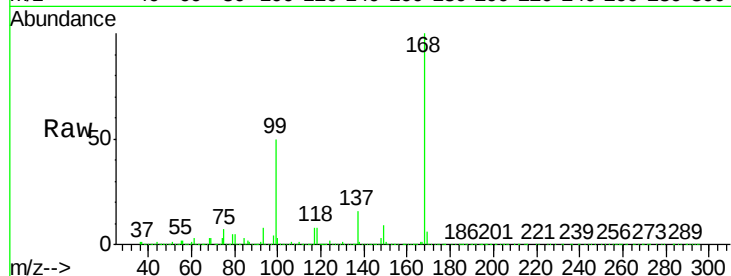




#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014177.D
 Acq: 20 Dec 2019 16:26

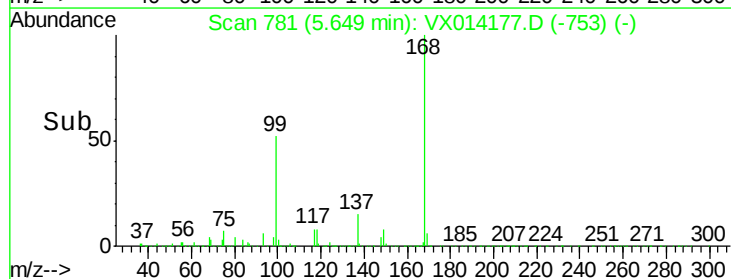
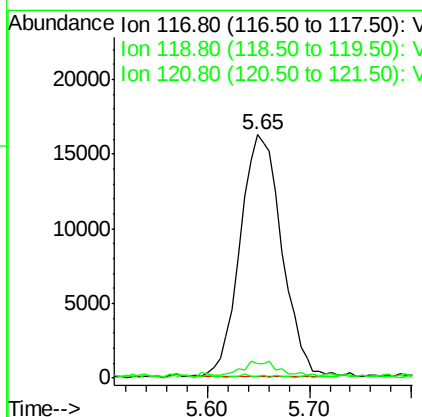
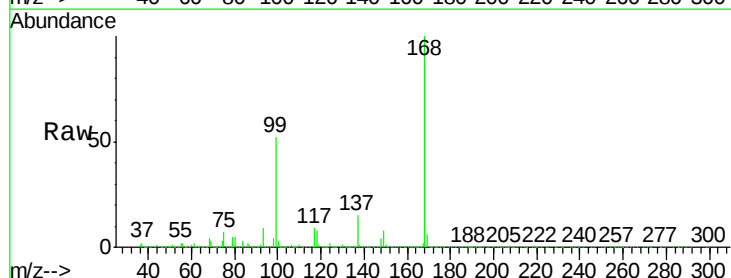
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-BNM-1

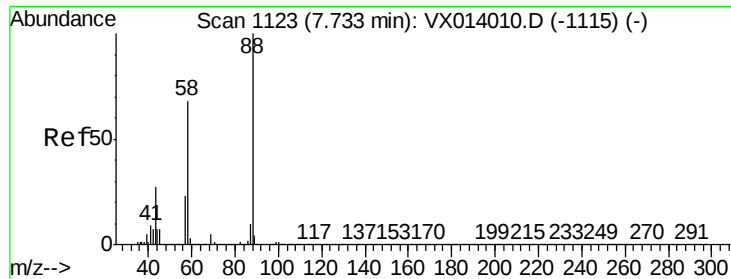
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.3	54.9#
77	1.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.591 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014177.D
 Acq: 20 Dec 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.4#
121	0.0	23.6	35.4#





#49

1,4-Dioxane

Concen: 4.107 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

Instrument :

MSVOA_X

ClientSampled :

MH-BNM-1

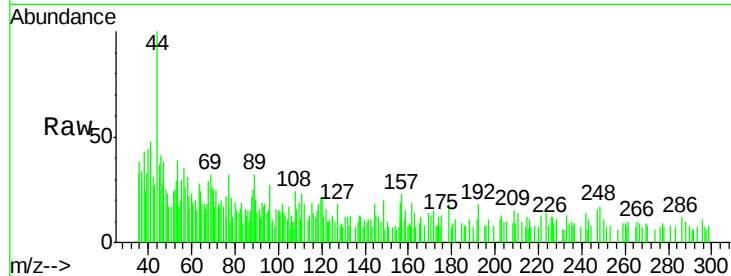
Tgt Ion: 88 Resp: 572

Ion Ratio Lower Upper

88 100

43 53.5 26.5 39.7#

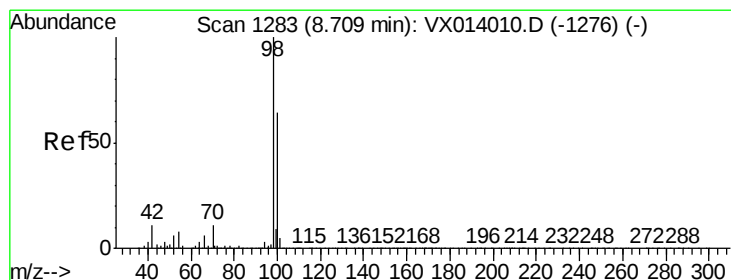
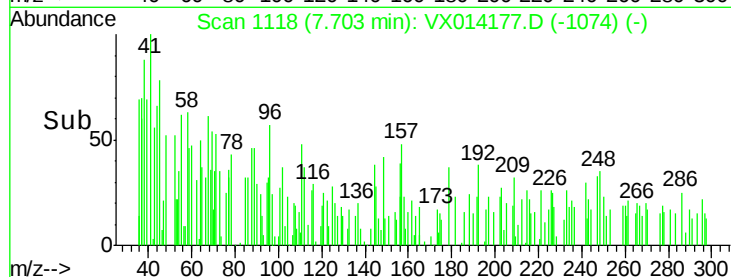
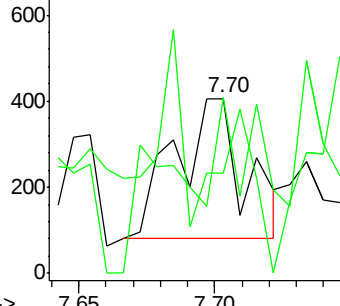
58 45.5 56.8 85.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.844 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014177.D

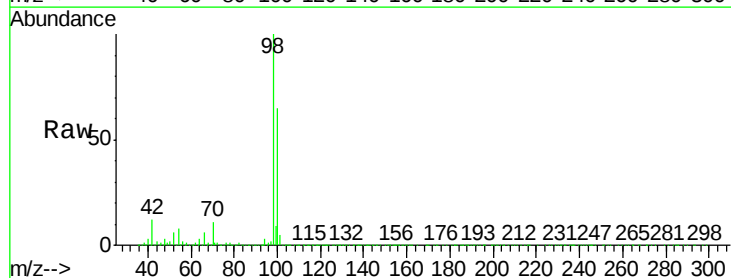
Acq: 20 Dec 2019 16:26

Tgt Ion: 98 Resp: 983201

Ion Ratio Lower Upper

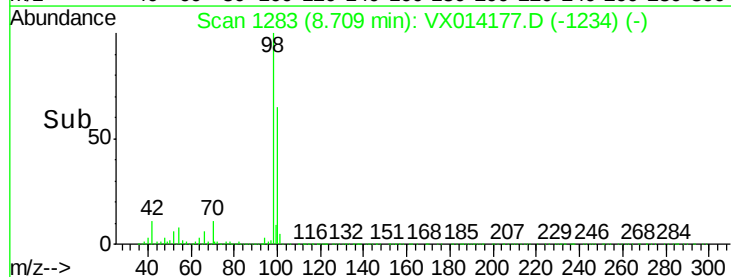
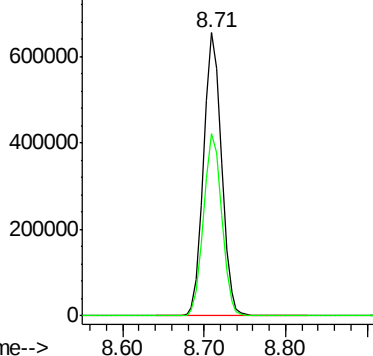
98 100

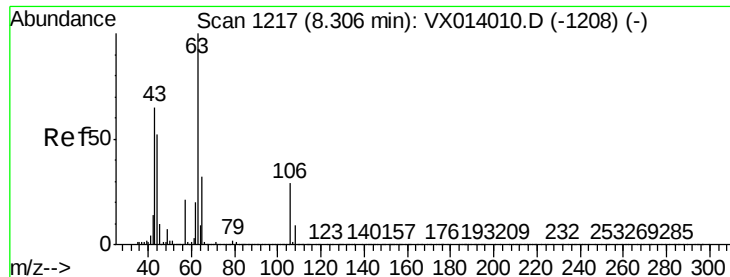
100 65.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

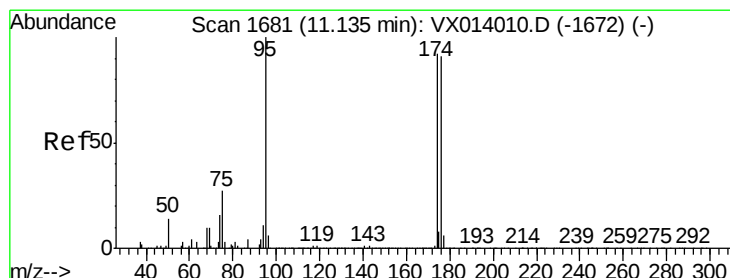
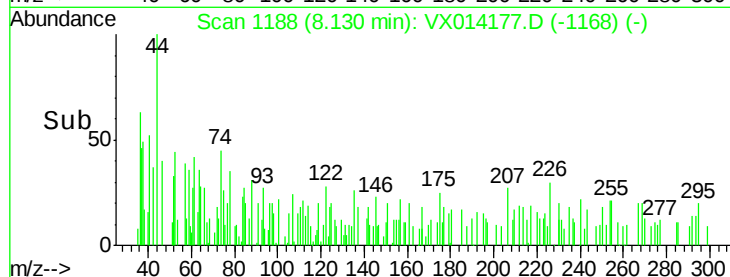
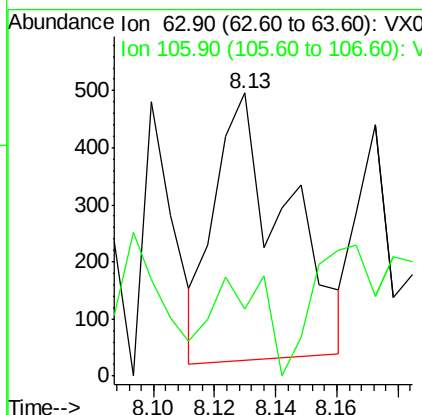
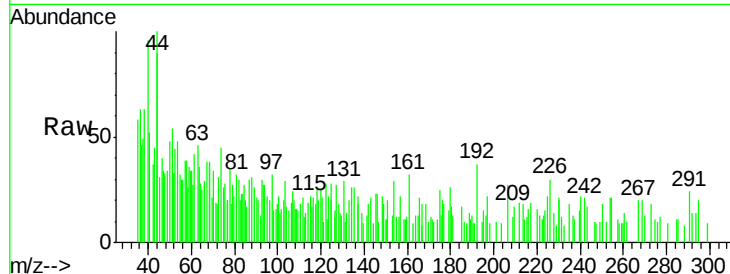




#58
2-Chloroethyl Vinyl ether
Concen: 0.214 ug/l
RT: 8.13 min Scan# 1188
Delta R.T. -0.18 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

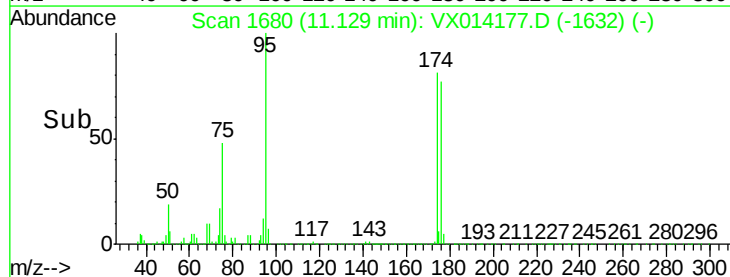
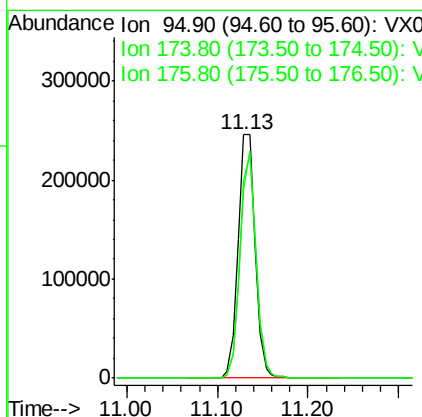
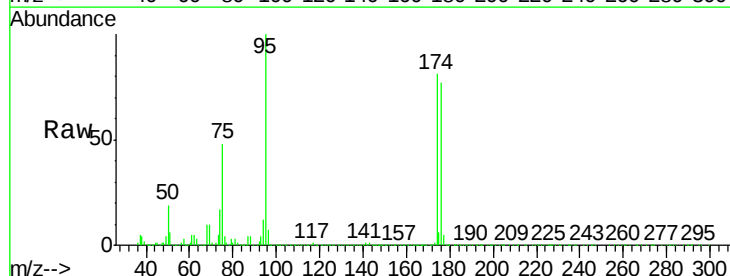
Instrument :
MSVOA_X
ClientSampleId :
MH-BNM-1

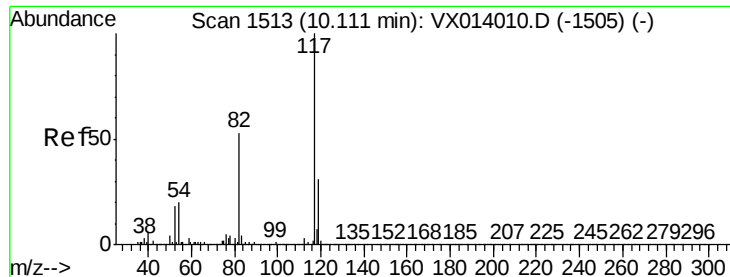
Tgt Ion: 63 Resp: 757
Ion Ratio Lower Upper
63 100
106 27.3 23.0 34.6



#62
4-Bromofluorobenzene
Concen: 44.746 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

Tgt Ion: 95 Resp: 322642
Ion Ratio Lower Upper
95 100
174 87.8 0.0 175.8
176 86.4 0.0 173.0

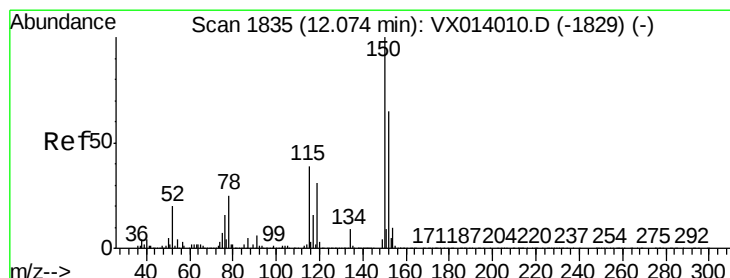
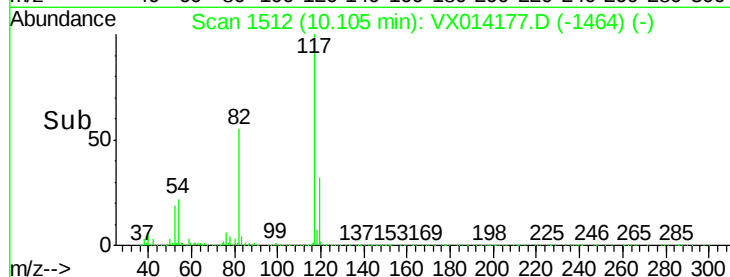
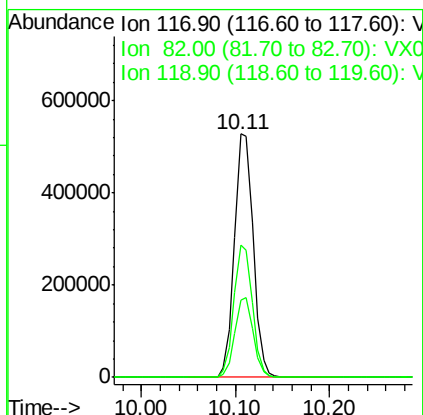
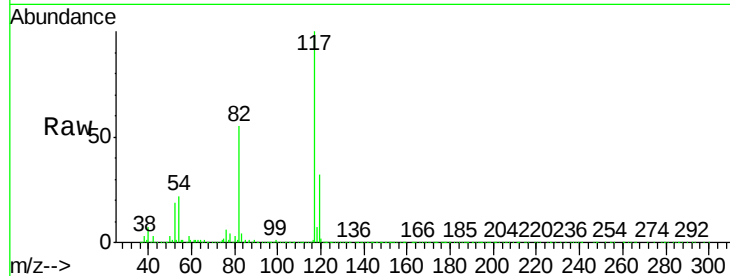




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

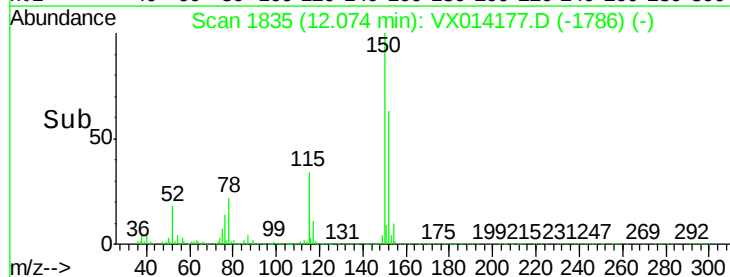
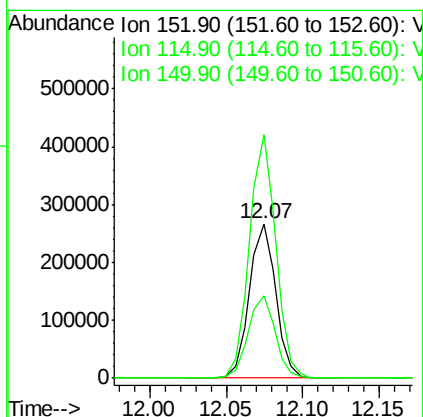
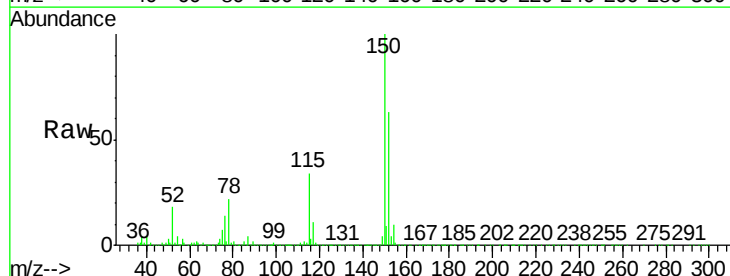
Instrument :
MSVOA_X
ClientSampleId :
MH-BNM-1

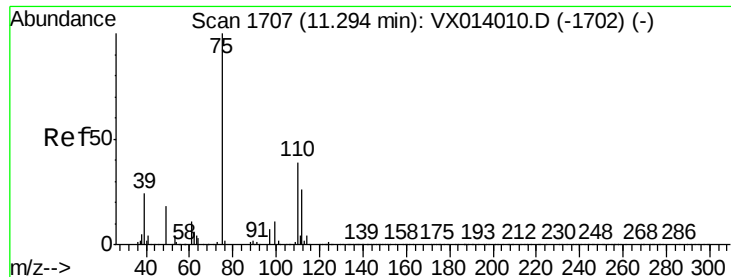
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.2	63.4
119	31.7	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.3	114.9
150	157.1	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.621 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

Instrument :

MSVOA_X

ClientSampled :

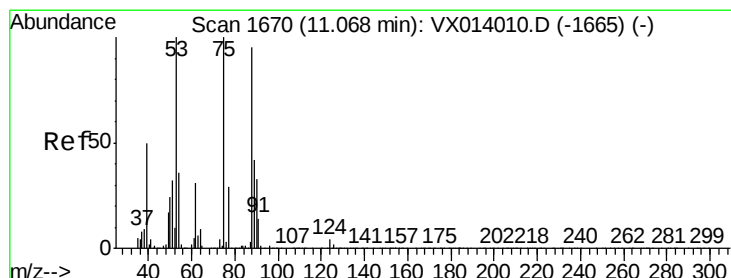
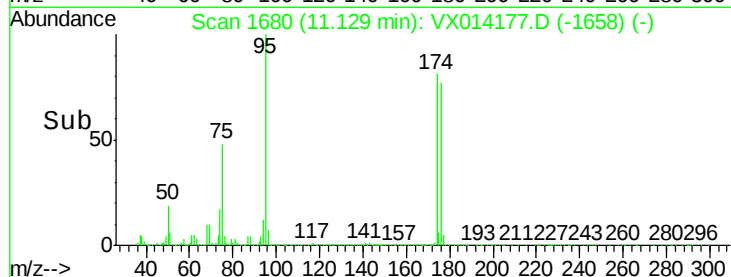
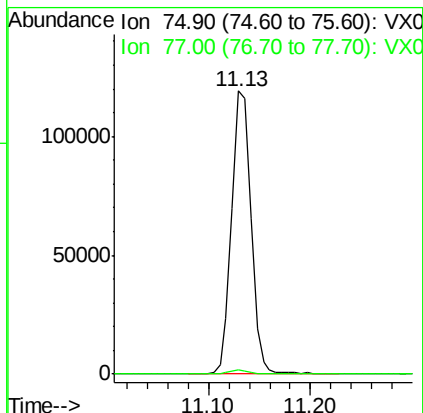
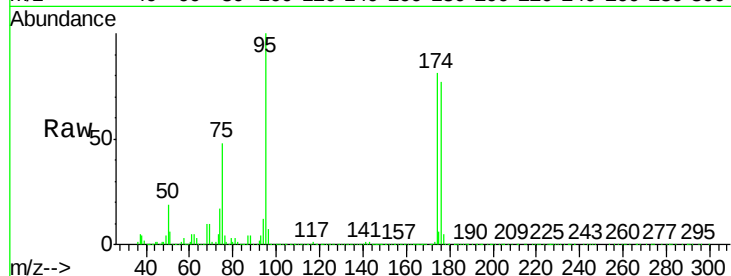
MH-BNM-1

Tgt Ion: 75 Resp: 157093

Ion Ratio Lower Upper

75 100

77 1.3 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.849 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014177.D

Acq: 20 Dec 2019 16:26

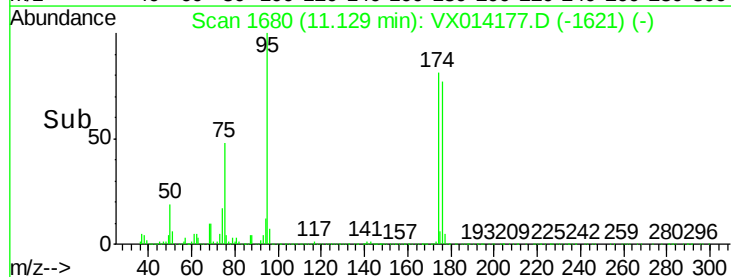
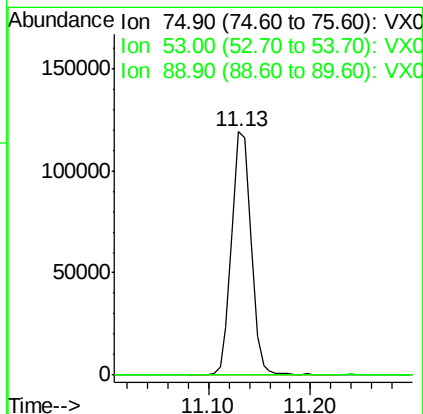
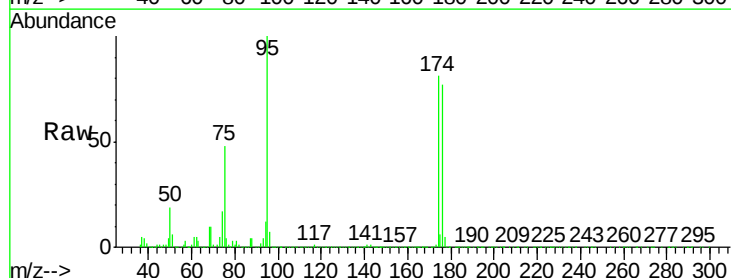
Tgt Ion: 75 Resp: 157093

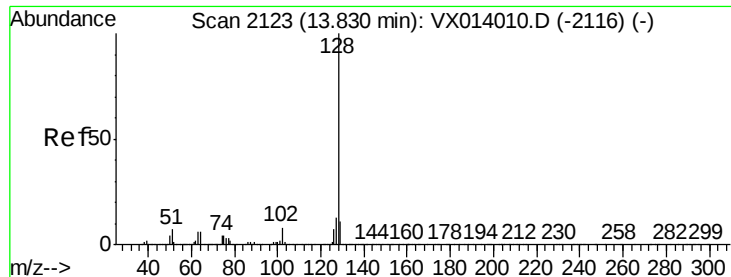
Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.0 34.6 51.8#

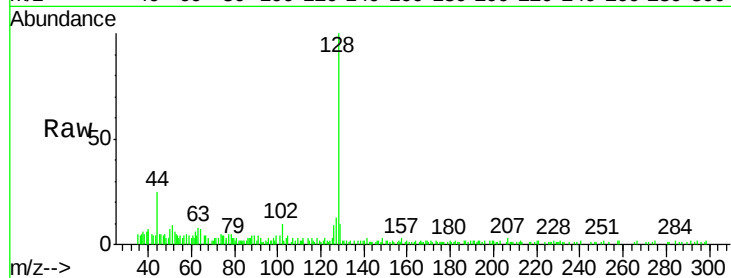




#95
Naphthalene
Concen: 0.382 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014177.D
Acq: 20 Dec 2019 16:26

Instrument :
MSVOA_X
ClientSampleId :
MH-BNM-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.4	10.2	15.4#
129	14.6	8.7	13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

