

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\
 Data File : VX013587.D
 Acq On : 25 Nov 2019 17:33
 Operator : JC/SP
 Sample : K5968-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-118.5N-20191121

Quant Time: Nov 26 03:16:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	685324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1108420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	989513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	462357	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	398401	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	5.49	113	330209	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	8.71	98	1321101	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.13	95	455631	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	

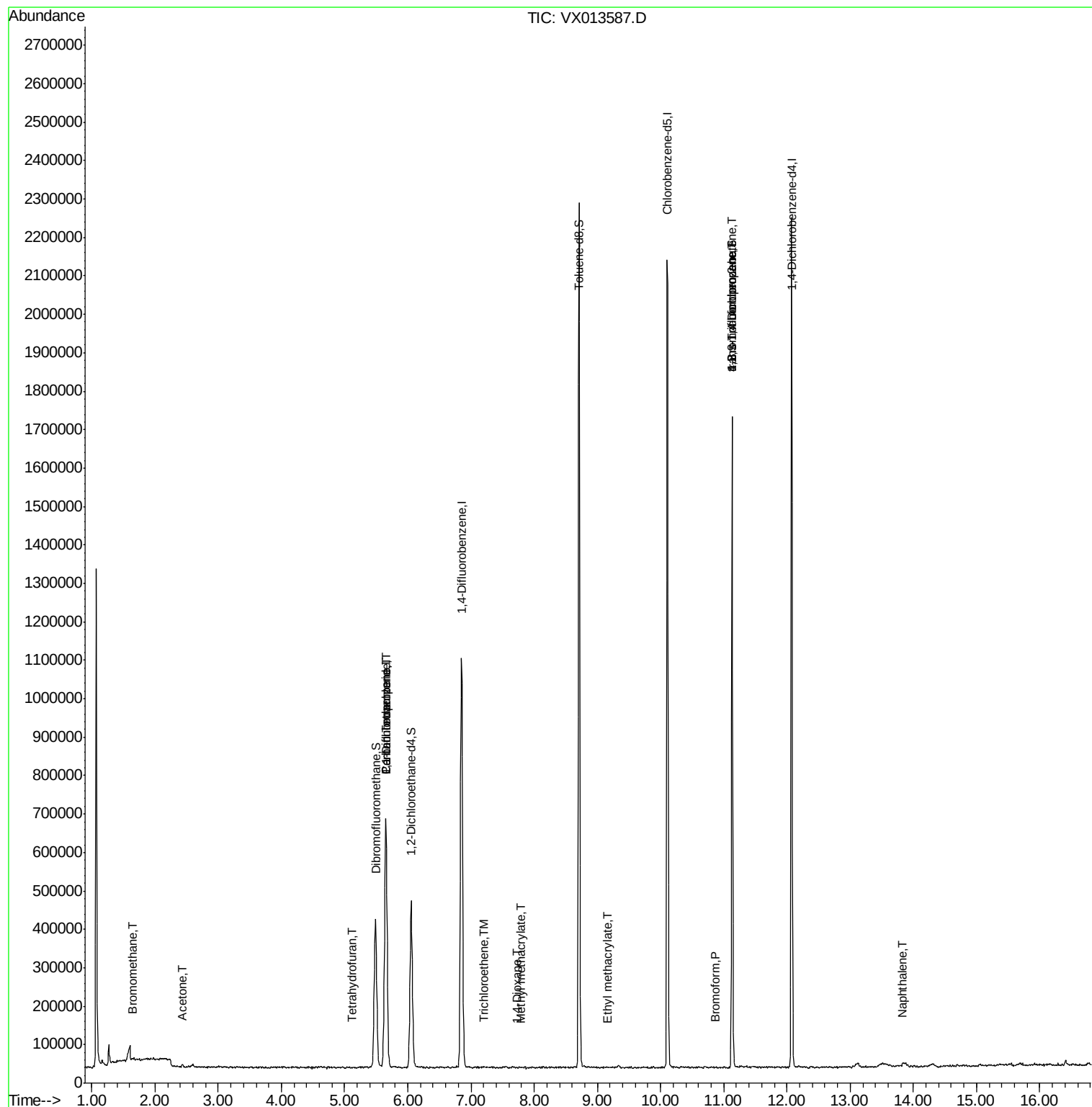
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1367	0.201	ug/l #	79
6) Chloroethane	1.75	64	1001	Below Cal	#	43
16) Acetone	2.44	43	7502	1.852	ug/l #	86
29) Tetrahydrofuran	5.11	42	1575	0.430	ug/l #	58
36) 1,1-Dichloropropene	5.65	75	44711	4.702	ug/l #	49
38) Carbon Tetrachloride	5.65	117	58826	6.326	ug/l #	16
44) Trichloroethene	7.21	130	1722	0.211	ug/l	52
48) Methyl methacrylate	7.78	41	1842	0.202	ug/l #	25
49) 1,4-Dioxane	7.74	88	889	4.250	ug/l #	24
56) Ethyl methacrylate	9.16	69	550	1.604	ug/l #	1
71) Bromoform	10.85	173	210	3.231	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	223597	23.810	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	223597	61.285	ug/l #	9
95) Naphthalene	13.83	128	7437	0.233	ug/l #	76

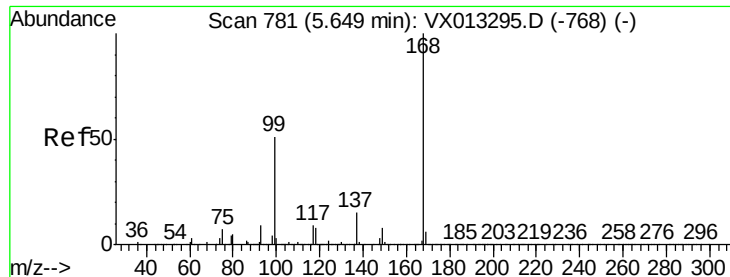
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
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: VX013587.D

Acq: 25 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

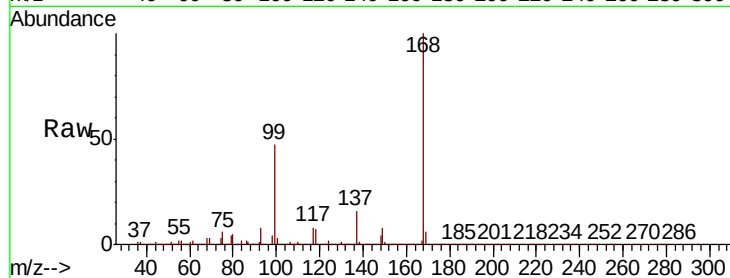
MH-118.5N-20191121

Tot Ion:168 Resp: 685324

Ion Ratio Lower Upper

168 100

99 47.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

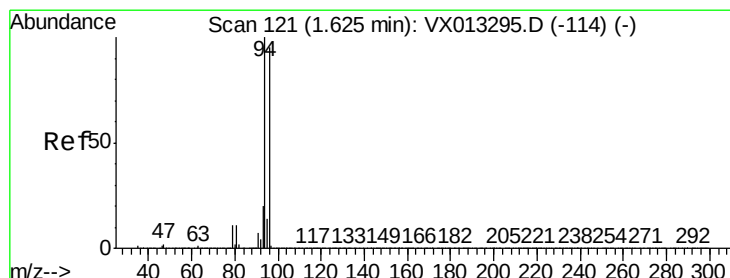
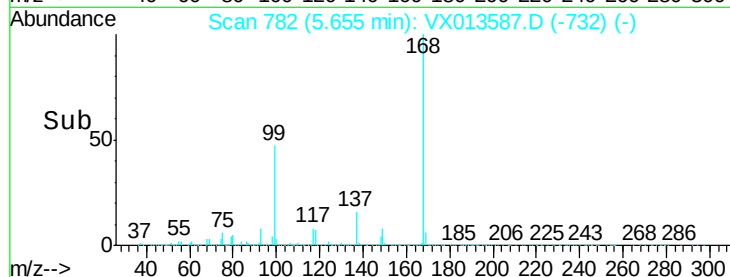
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013587.D

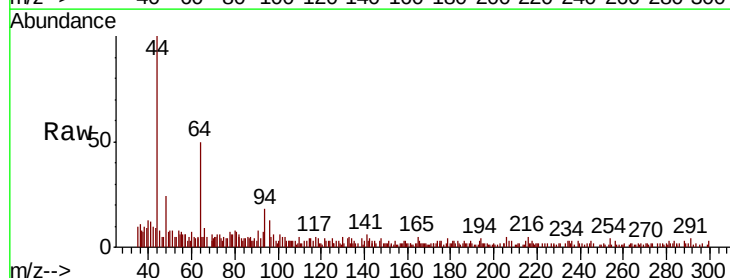
Acq: 25 Nov 2019 17:33

Tgt Ion: 94 Resp: 1367

Ion Ratio Lower Upper

94 100

96 74.2 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

600

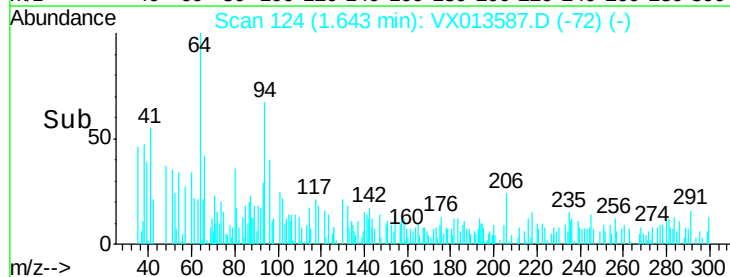
400

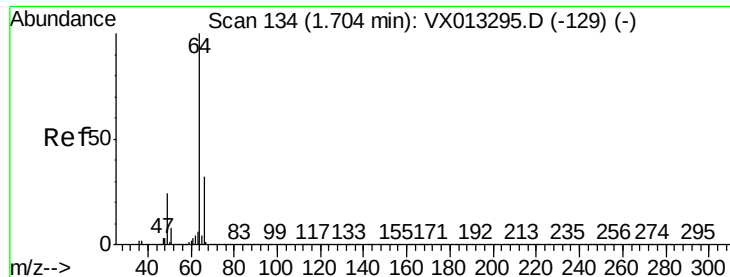
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

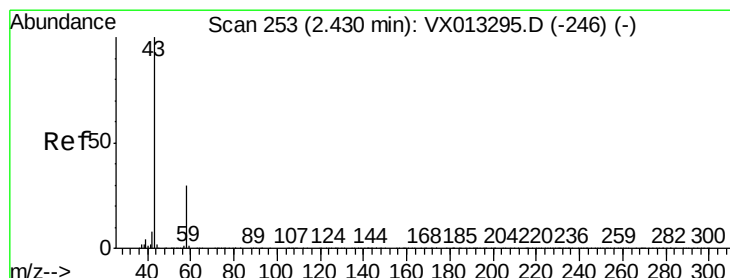
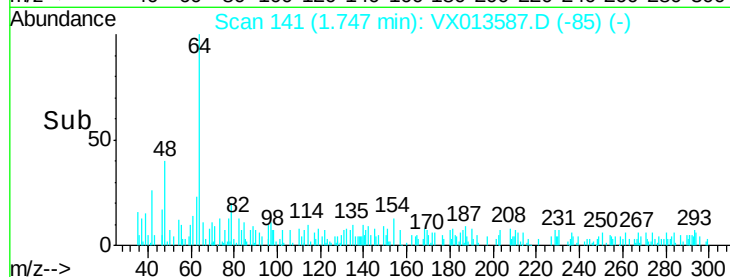
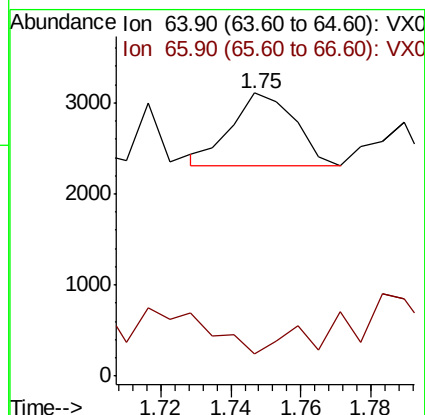
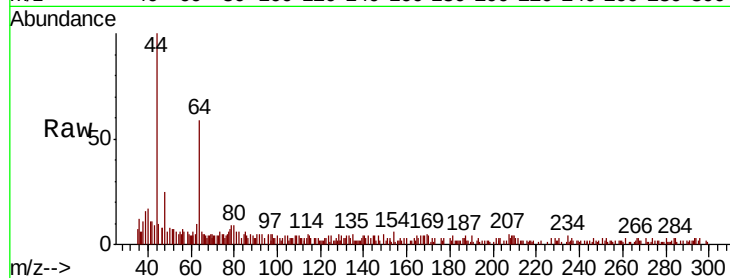
MH-118.5N-20191121

Tot Ion: 64 Resp: 1001

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#16

Acetone

Concen: 1.852 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013587.D

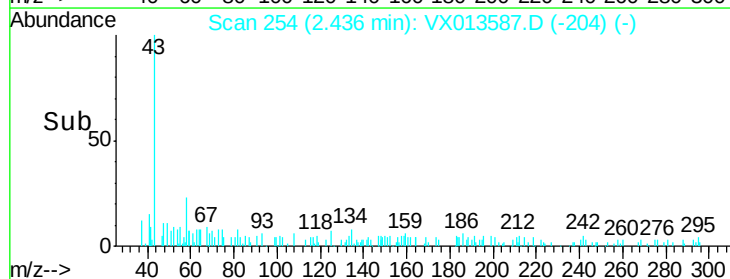
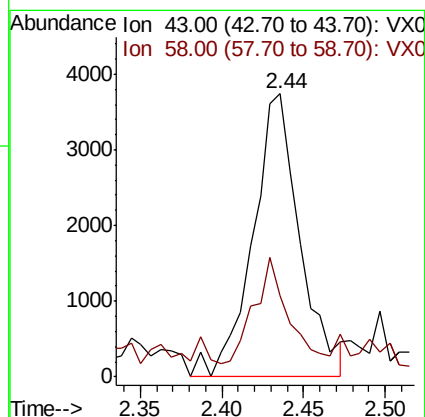
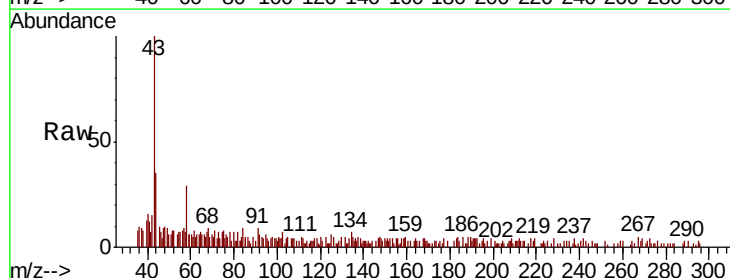
Acq: 25 Nov 2019 17:33

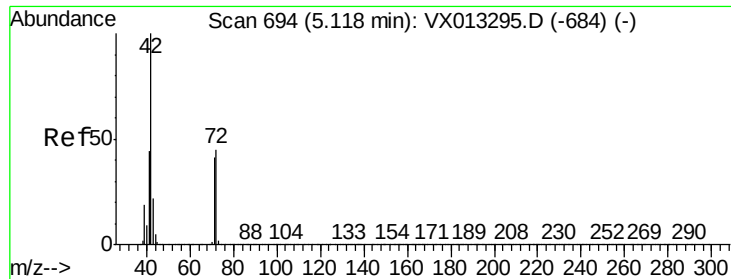
Tgt Ion: 43 Resp: 7502

Ion Ratio Lower Upper

43 100

58 22.9 24.3 36.5#





#29

Tetrahydrofuran

Concen: 0.430 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

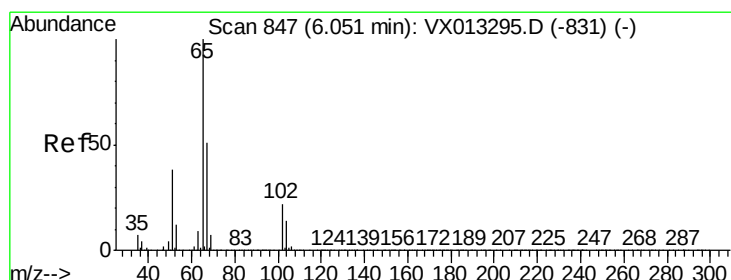
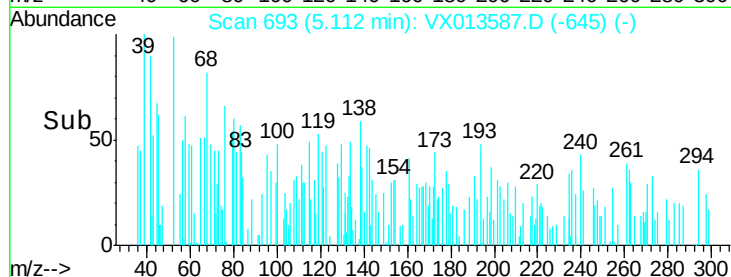
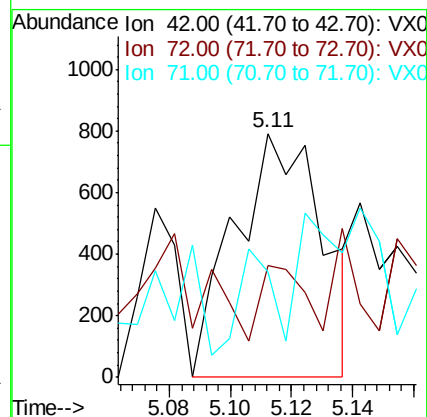
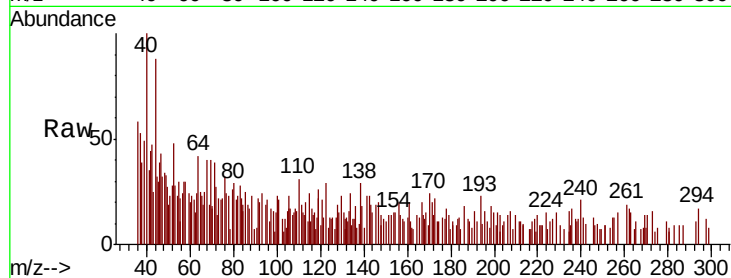
Tot Ion: 42 Resp: 1575

Ion Ratio Lower Upper

42 100

72 15.7 35.8 53.8#

71 16.8 33.4 50.0#



#33

1,2-Dichloroethane-d4

Concen: 49.070 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013587.D

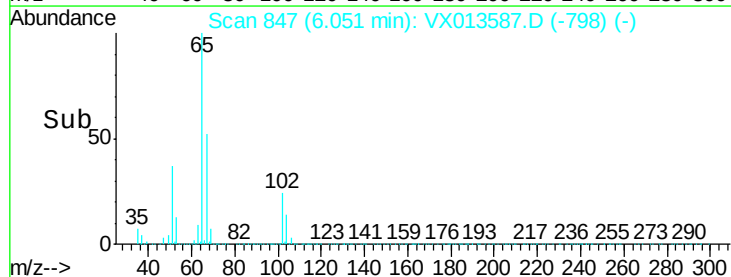
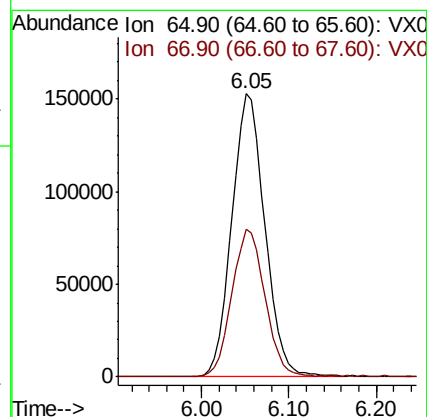
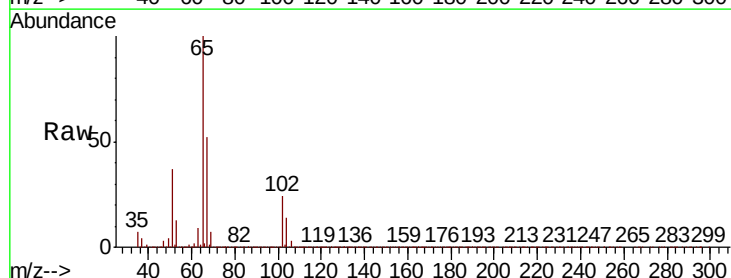
Acq: 25 Nov 2019 17:33

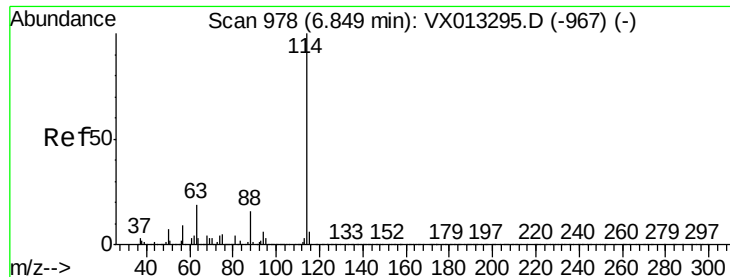
Tgt Ion: 65 Resp: 398401

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

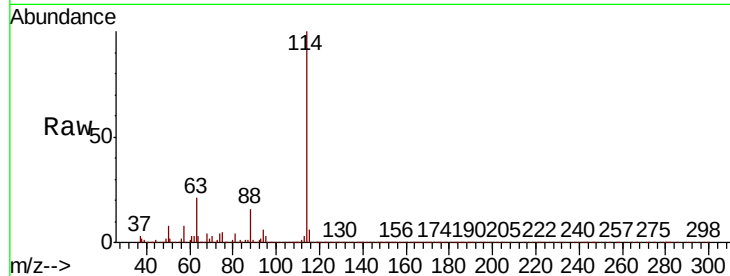
Tot Ion:114 Resp: 1108420

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

88 16.0 0.0 32.2



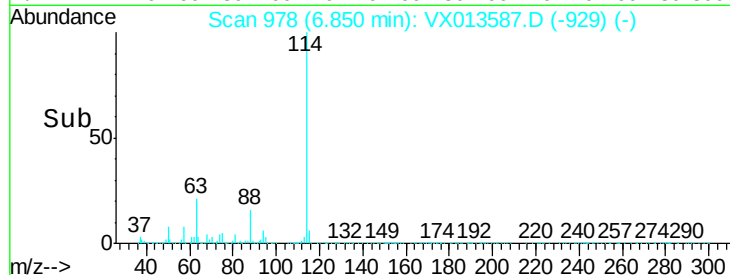
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

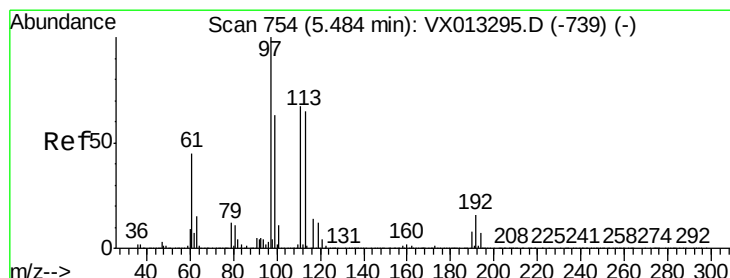
Ion 87.90 (87.60 to 88.60): VX0

6.85

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 47.497 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

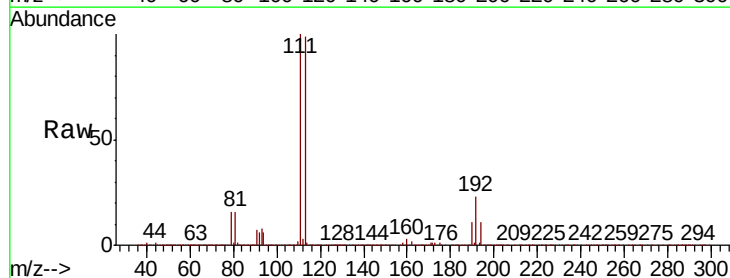
Tgt Ion:113 Resp: 330209

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 23.4 19.1 28.7



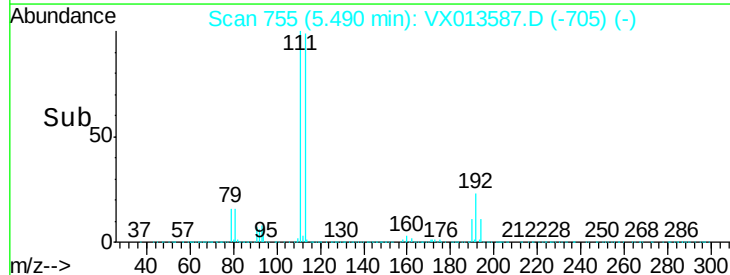
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

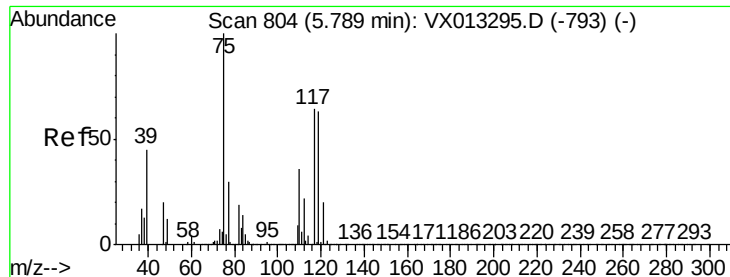
Ion 191.70 (191.40 to 192.40): V

5.49

Time-->



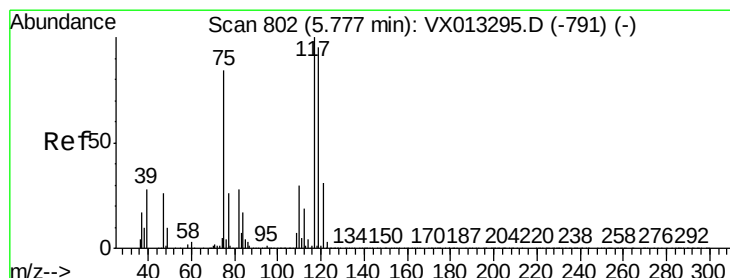
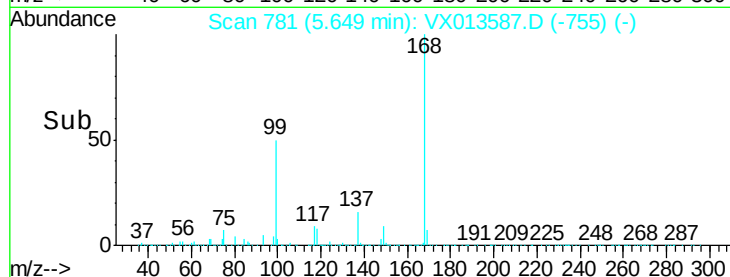
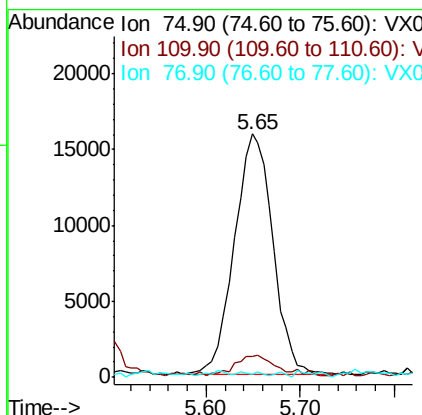
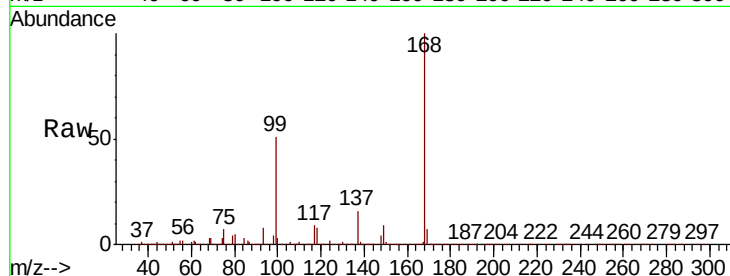
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013587.D
 Acq: 25 Nov 2019 17:33

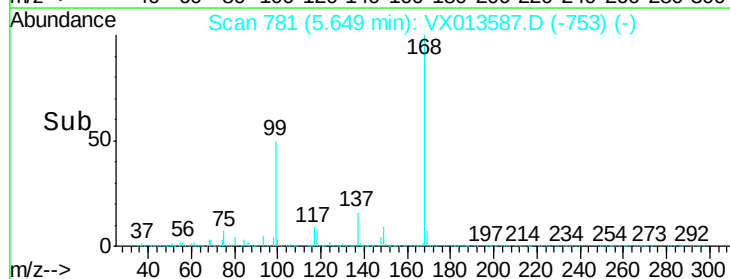
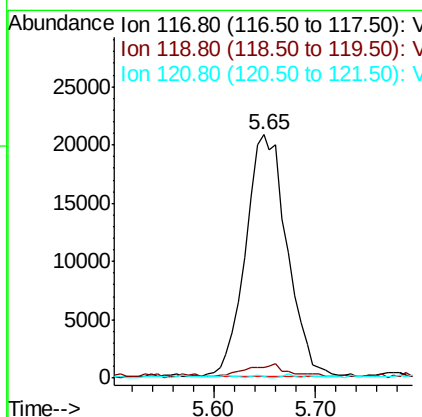
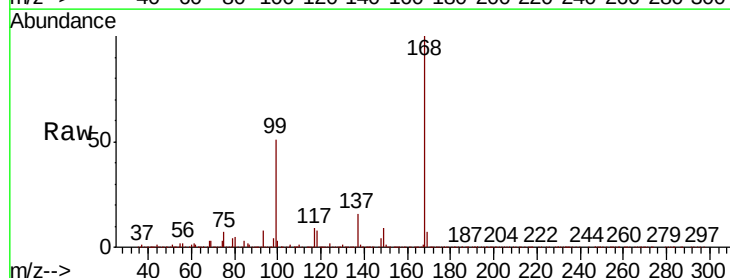
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-118.5N-20191121

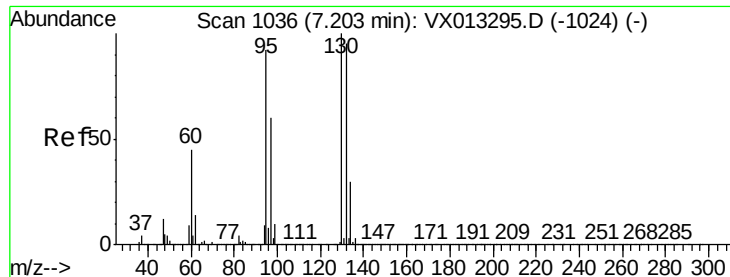
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.5	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.326 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013587.D
 Acq: 25 Nov 2019 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.1	114.1#
121	0.3	24.6	37.0#





#44

Trichloroethene

Concen: 0.211 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

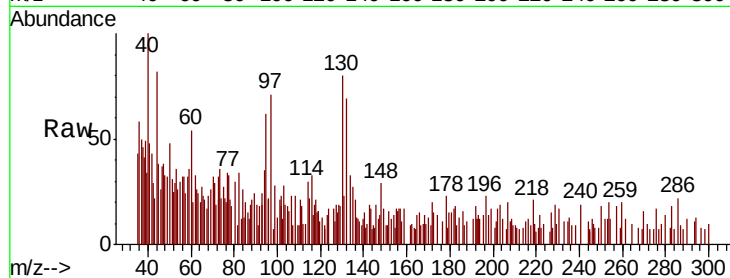
MH-118.5N-20191121

Tot Ion:130 Resp: 1722

Ion Ratio Lower Upper

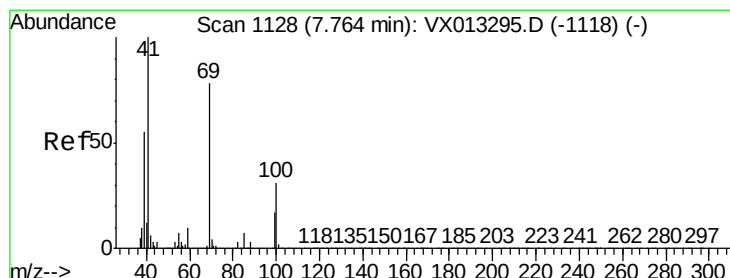
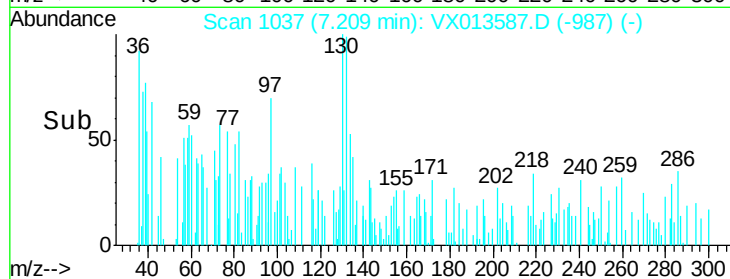
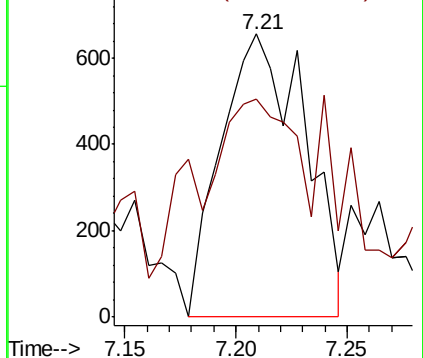
130 100

95 46.5 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 0.202 ug/l

RT: 7.78 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

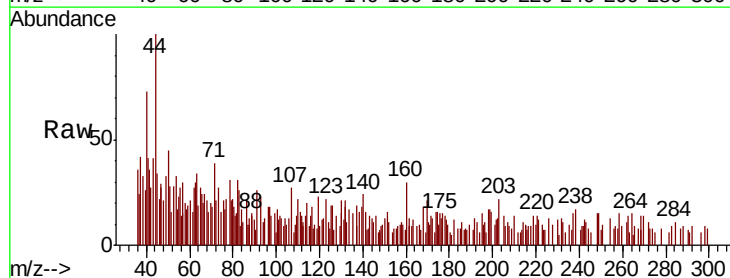
Tgt Ion: 41 Resp: 1842

Ion Ratio Lower Upper

41 100

69 6.5 63.0 94.6#

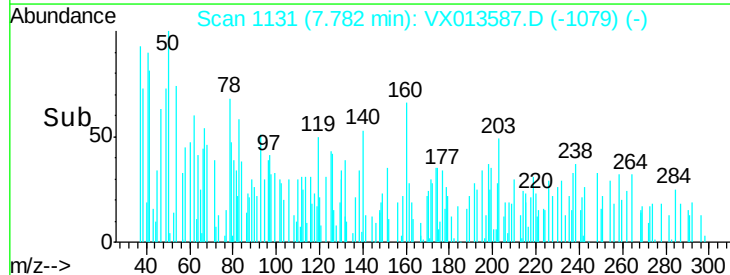
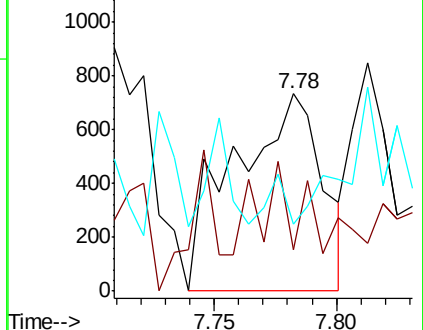
39 9.1 45.9 68.9#

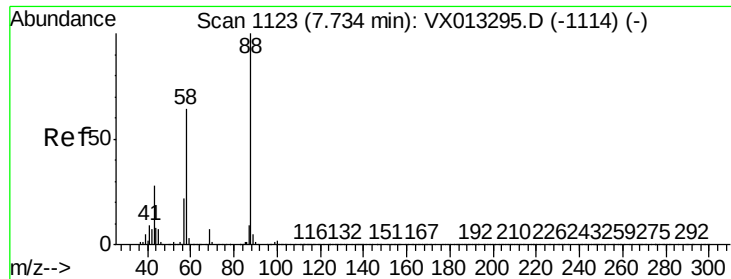


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 4.250 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

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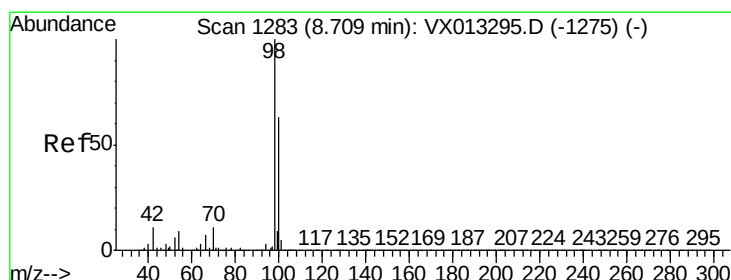
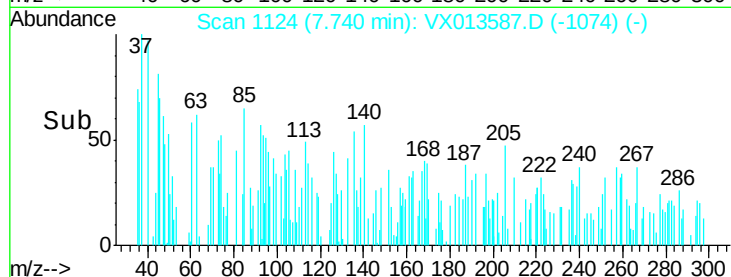
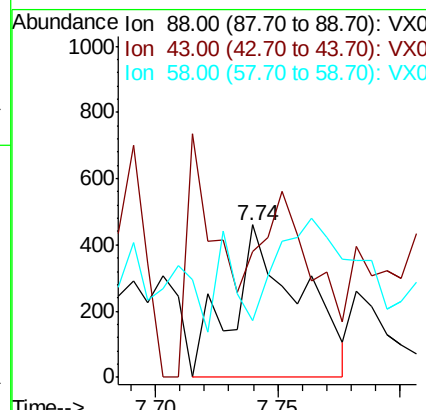
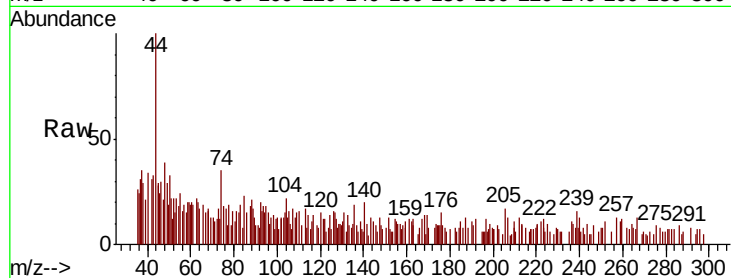
Tot Ion: 88 Resp: 889

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 55.0 82.6#



#50

Toluene-d8

Concen: 50.407 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013587.D

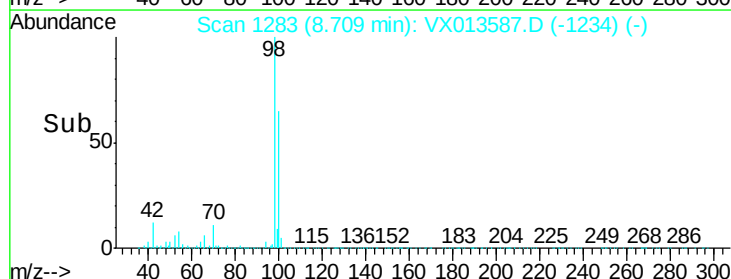
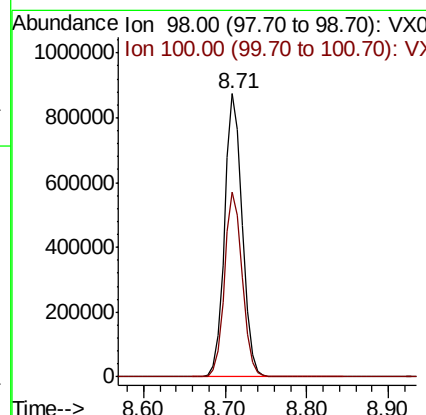
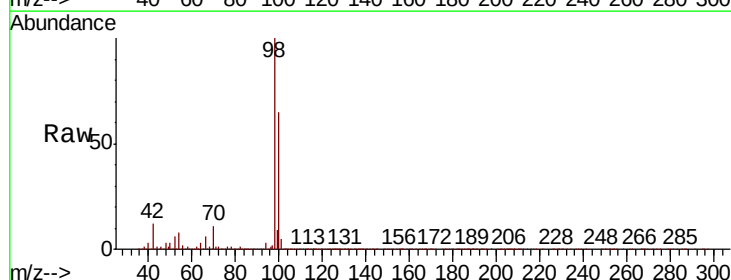
Acq: 25 Nov 2019 17:33

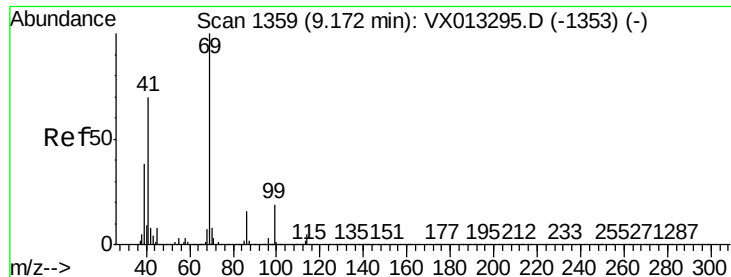
Tgt Ion: 98 Resp: 1321101

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2

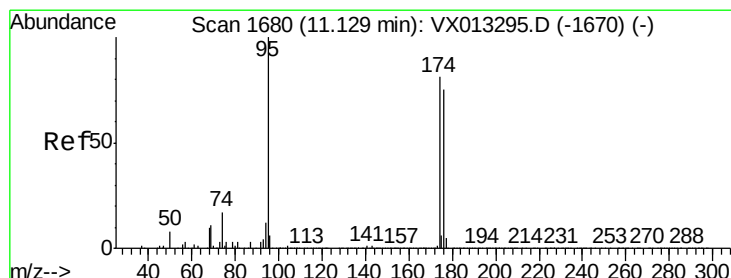
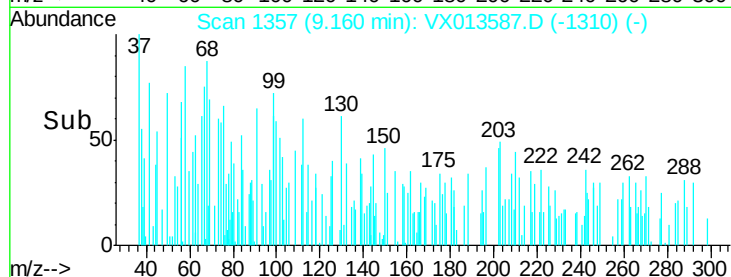
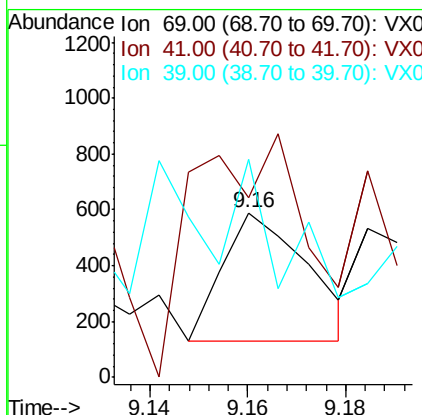
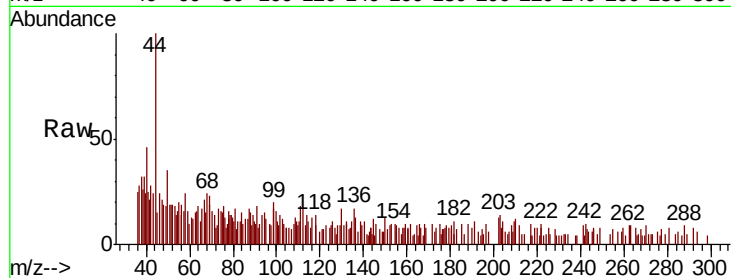




#56
Ethyl methacrylate
Concen: 1.604 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX013587.D
Acq: 25 Nov 2019 17:33

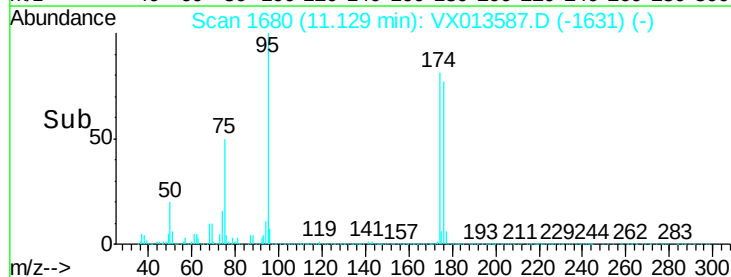
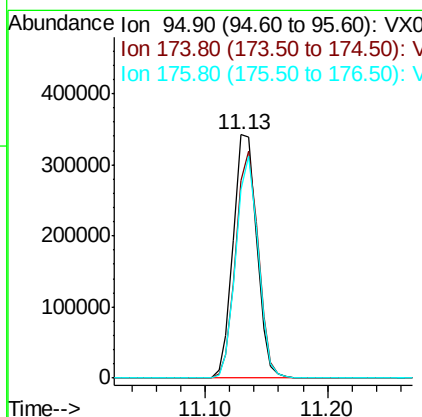
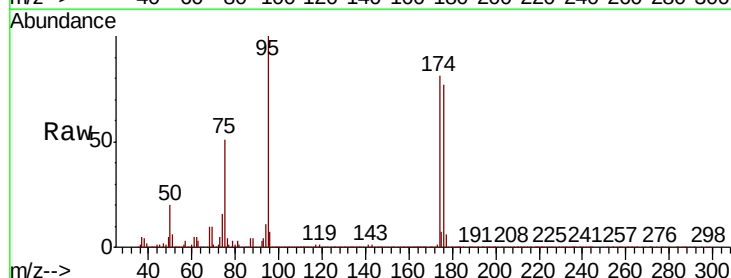
Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20191121

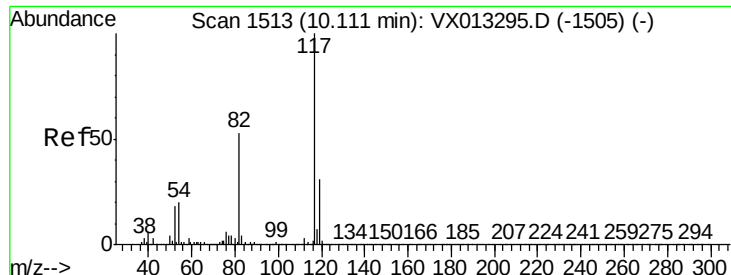
Tot Ion: 69 Resp: 550
Ion Ratio Lower Upper
69 100
41 255.1 56.2 84.2#
39 0.0 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 48.169 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013587.D
Acq: 25 Nov 2019 17:33

Tgt Ion: 95 Resp: 455631
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.8
176 86.2 0.0 173.0

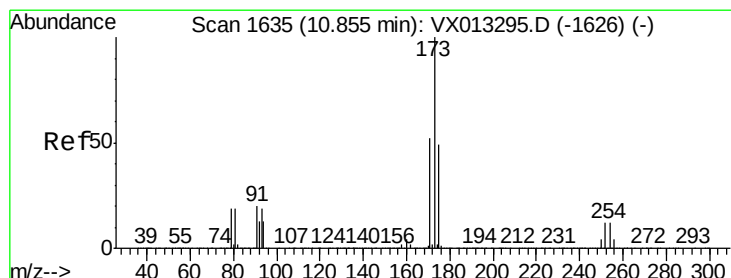
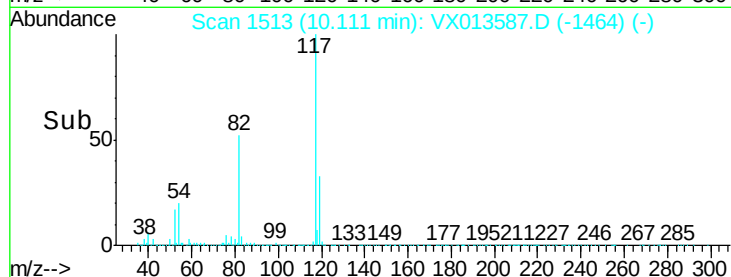
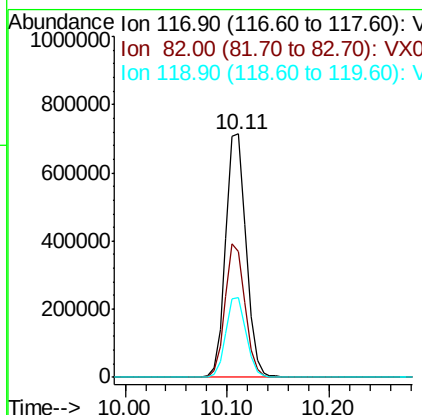
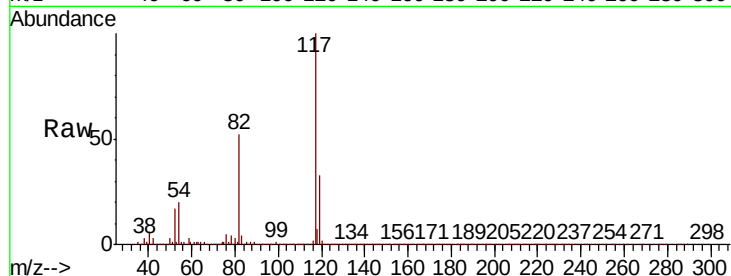




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013587.D
Acq: 25 Nov 2019 17:33

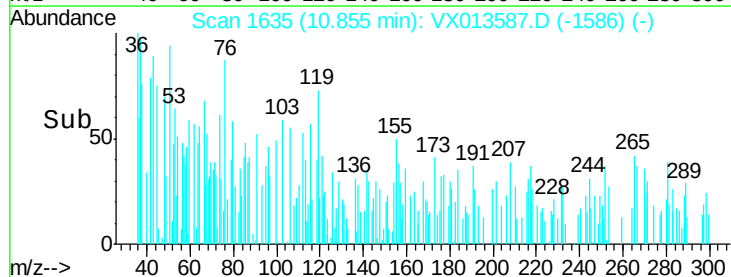
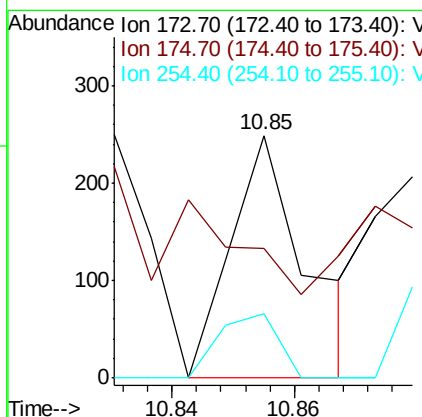
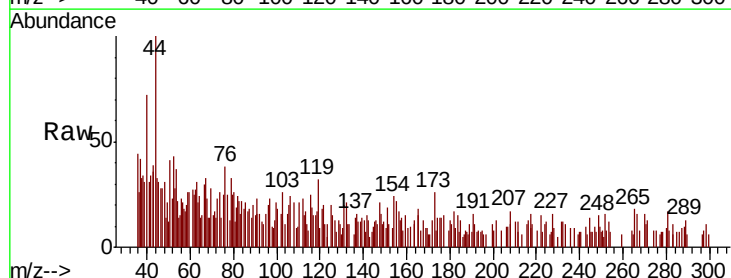
Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20191121

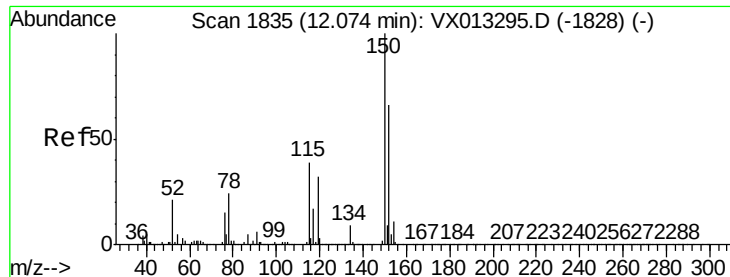
Tot Ion:117 Resp: 989513
Ion Ratio Lower Upper
117 100
82 51.5 42.6 64.0
119 32.5 24.8 37.2



#71
Bromoform
Concen: 3.231 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013587.D
Acq: 25 Nov 2019 17:33

Tgt Ion:173 Resp: 210
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 21.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013587.D

Acq: 25 Nov 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

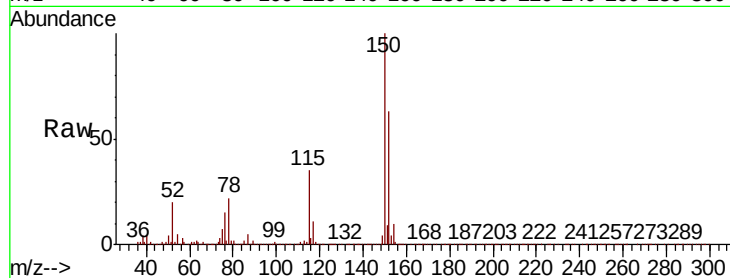
Tot Ion:152 Resp: 462357

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

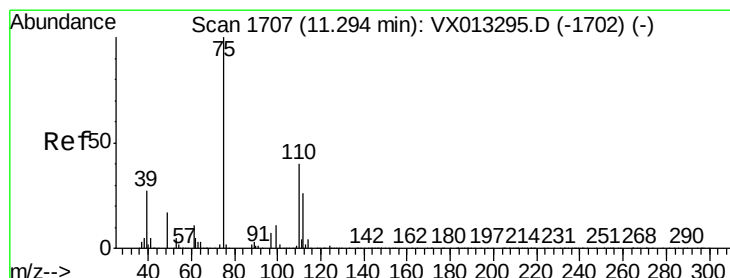
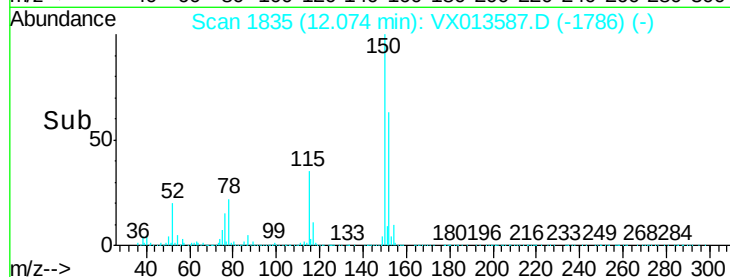
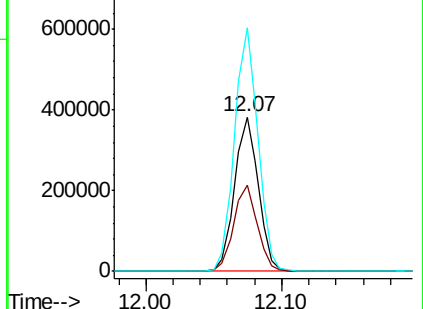
150 156.3 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.810 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013587.D

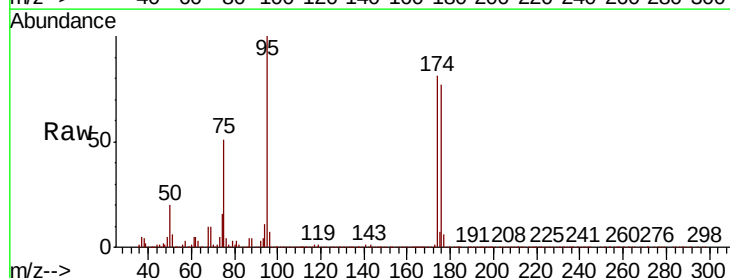
Acq: 25 Nov 2019 17:33

Tgt Ion: 75 Resp: 223597

Ion Ratio Lower Upper

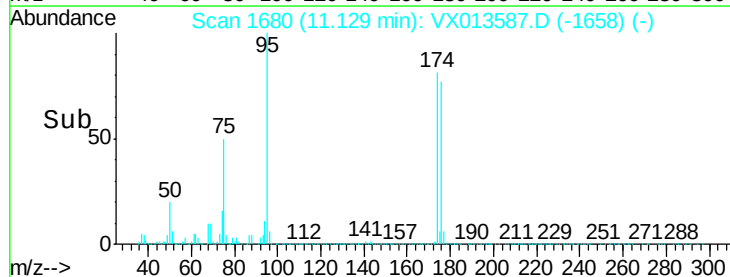
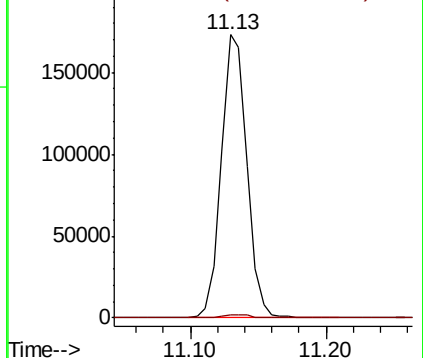
75 100

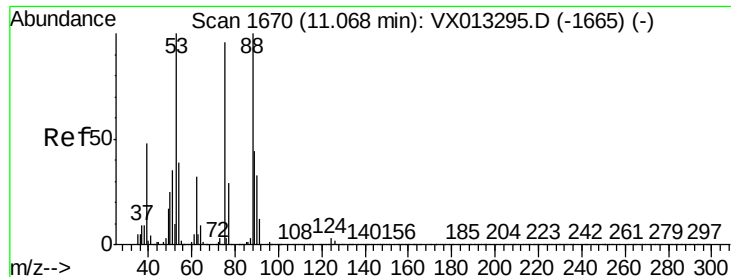
77 1.5 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

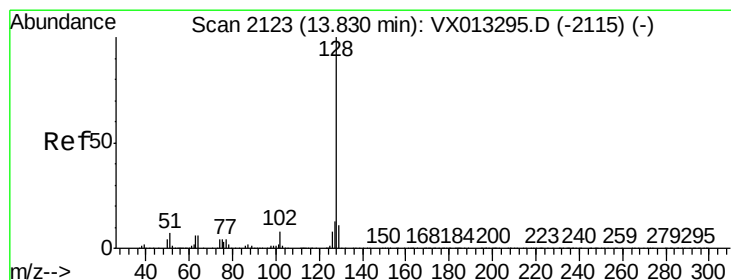
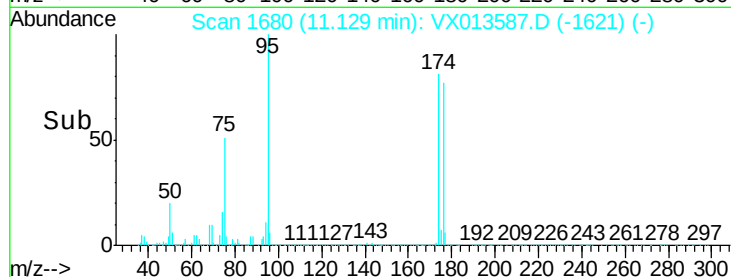
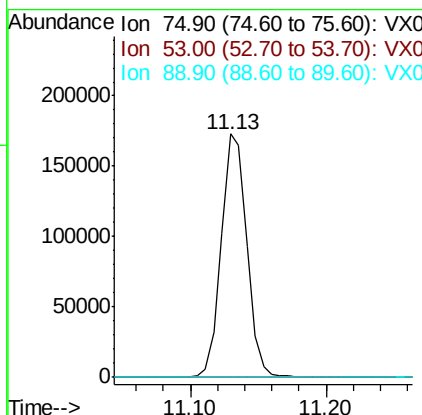
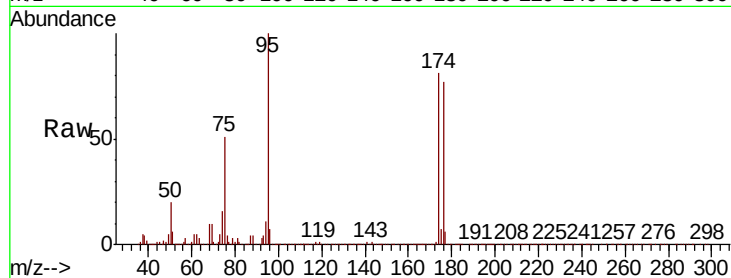




#81
trans-1,4-Dichloro-2-butene
Concen: 61.285 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013587.D
Acq: 25 Nov 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20191121

Tot Ion: 75 Resp: 223597
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.6#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 0.233 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013587.D
Acq: 25 Nov 2019 17:33

Tgt Ion: 128 Resp: 7437
Ion Ratio Lower Upper
128 100
127 22.3 10.2 15.2#
129 19.7 8.5 12.7#

