

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\
 Data File : VX013589.D
 Acq On : 25 Nov 2019 18:20
 Operator : JC/SP
 Sample : K5968-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-121.5N-20191121

Quant Time: Nov 26 03:16:39 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	677841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1092145	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	987032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	453733	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	400020	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	5.49	113	333182	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	8.71	98	1312718	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.14	95	447099	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

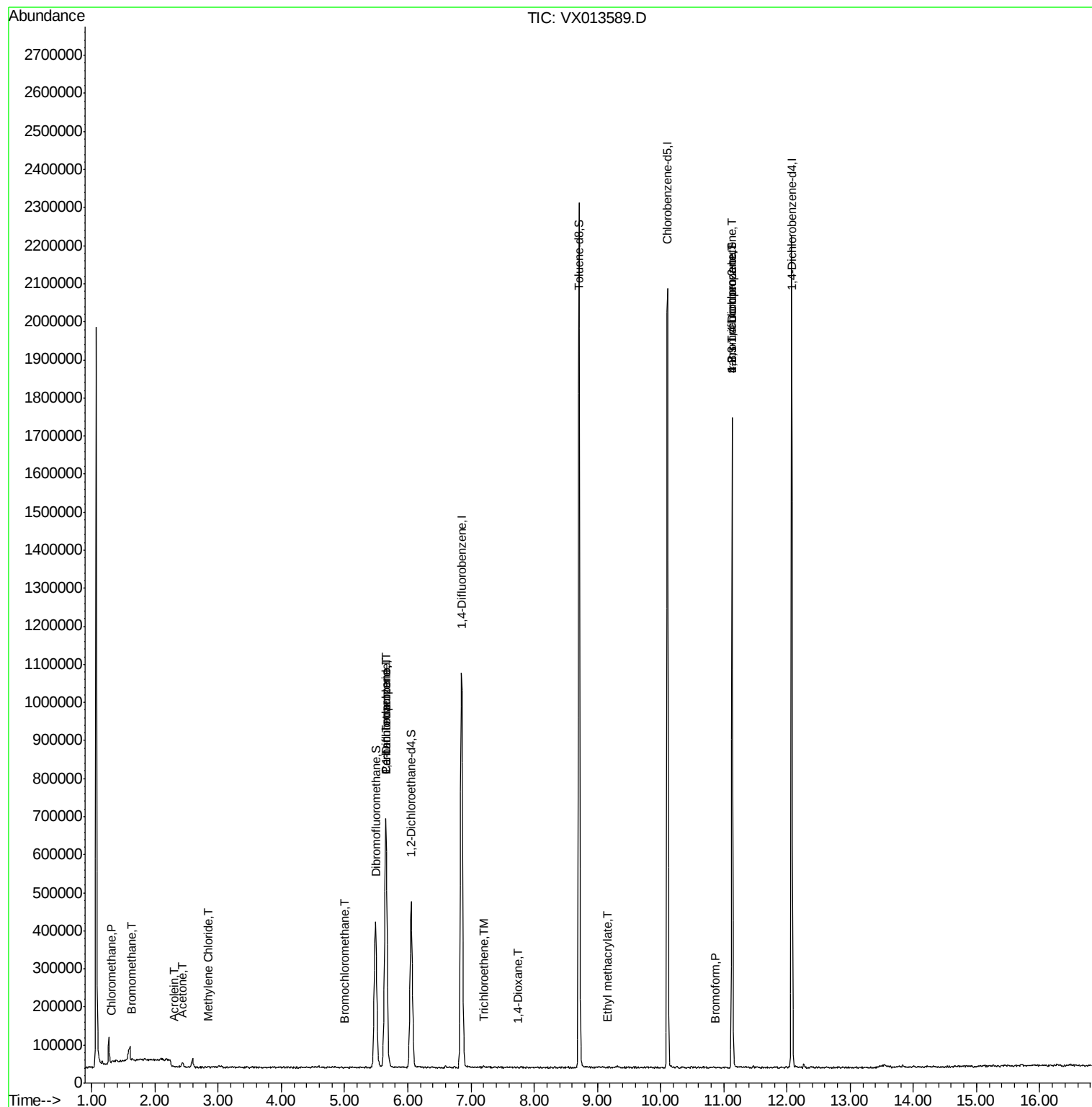
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1782	0.210	ug/l #	76
5) Bromomethane	1.64	94	1448	0.215	ug/l #	67
6) Chloroethane	1.70	64	2092	Below Cal	#	81
13) Acrolein	2.30	56	245	0.214	ug/l #	1
16) Acetone	2.43	43	13895	3.469	ug/l #	89
20) Methylene Chloride	2.85	84	1690	0.228	ug/l #	58
28) Bromochloromethane	5.01	49	774	0.223	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	44310	4.729	ug/l #	51
38) Carbon Tetrachloride	5.65	117	57316	6.256	ug/l #	16
44) Trichloroethene	7.20	130	1896	0.236	ug/l	69
49) 1,4-Dioxane	7.75	88	124	0.602	ug/l #	1
56) Ethyl methacrylate	9.17	69	549	1.605	ug/l #	38
71) Bromoform	10.85	173	353	3.251	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	222830	24.179	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	222830	62.236	ug/l #	9

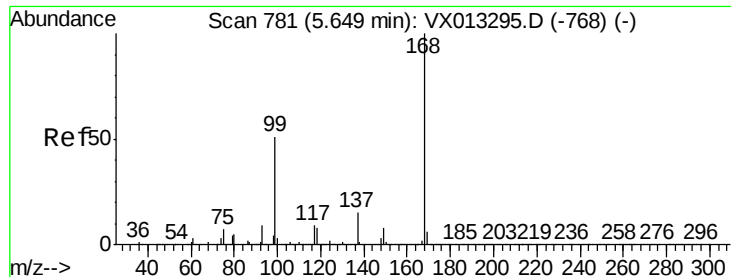
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

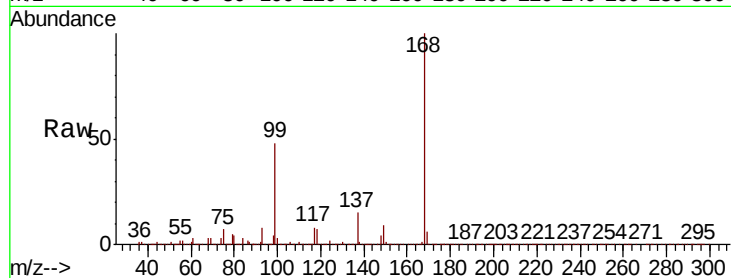
MH-121.5N-20191121

Tot Ion:168 Resp: 677841

Ion Ratio Lower Upper

168 100

99 47.9 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

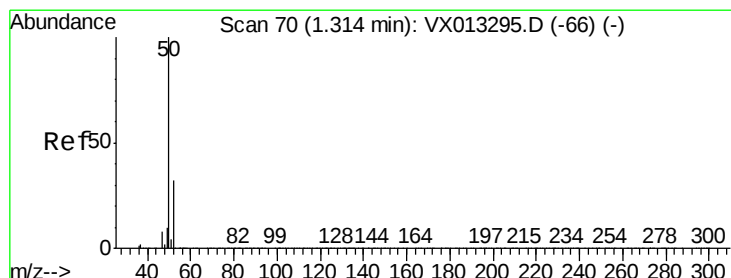
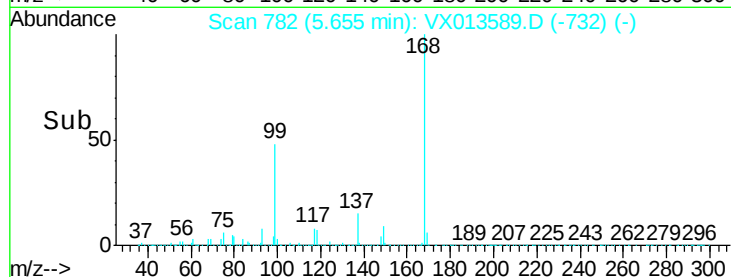
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013589.D

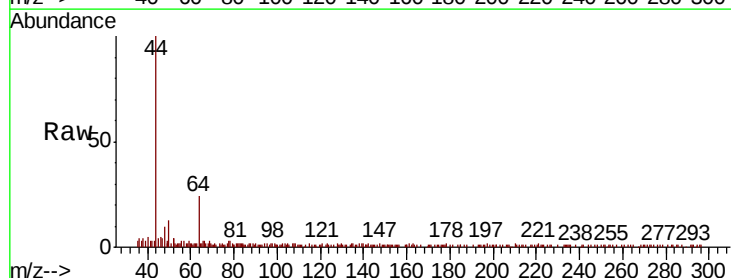
Acq: 25 Nov 2019 18:20

Tgt Ion: 50 Resp: 1782

Ion Ratio Lower Upper

50 100

52 45.3 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

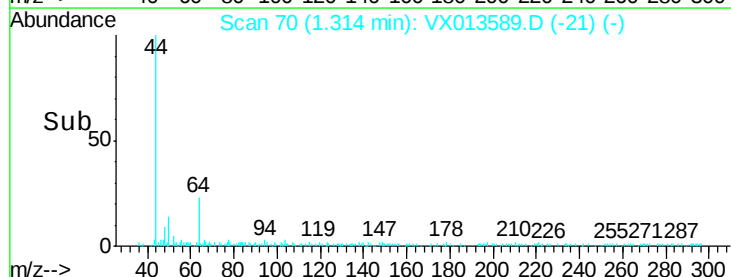
1500

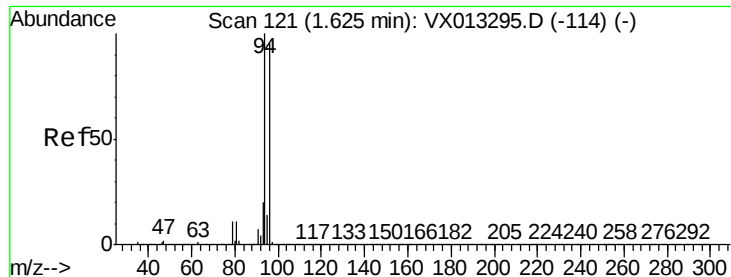
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

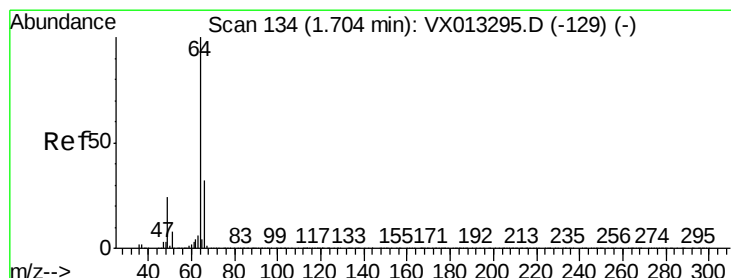
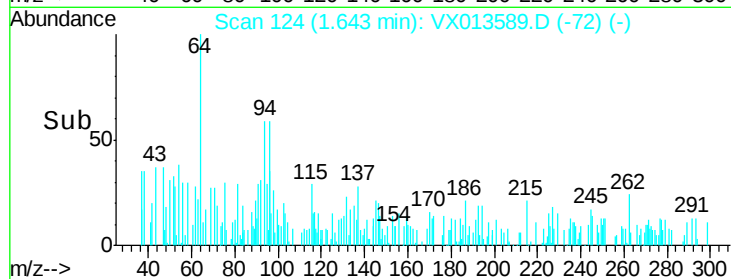
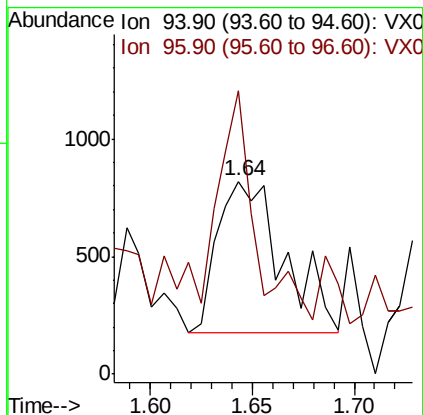
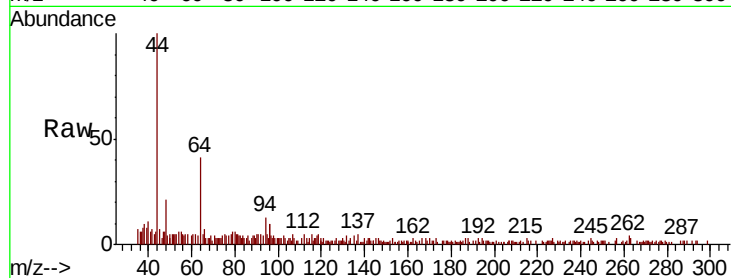
MH-121.5N-20191121

Tot Ion: 94 Resp: 1448

Ion Ratio Lower Upper

94 100

96 126.9 75.8 113.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013589.D

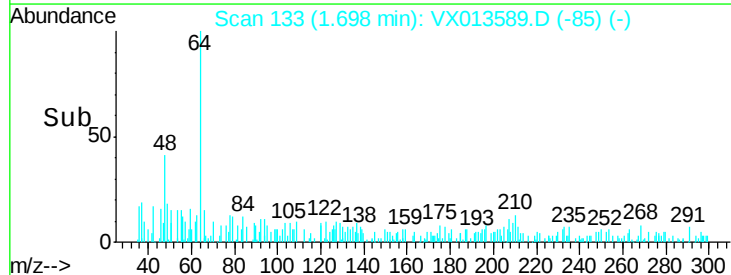
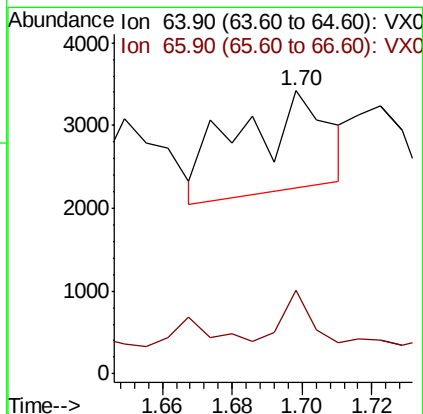
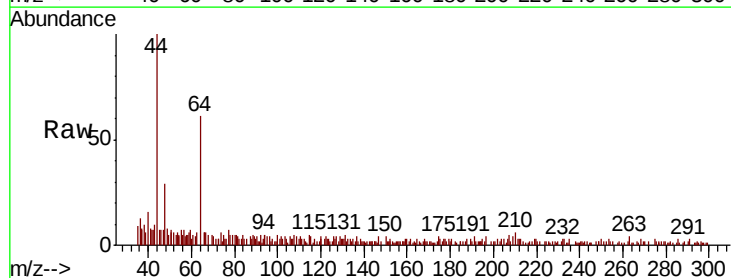
Acq: 25 Nov 2019 18:20

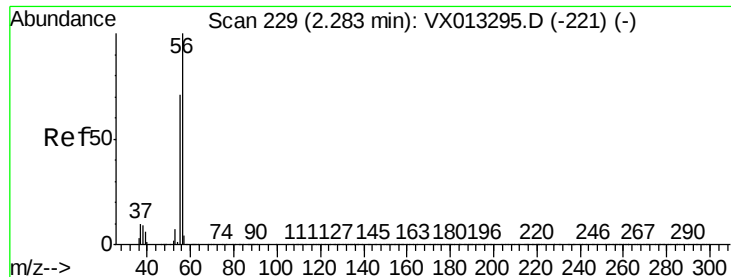
Tgt Ion: 64 Resp: 2092

Ion Ratio Lower Upper

64 100

66 42.8 25.6 38.4#





#13

Acrolein

Concen: 0.214 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

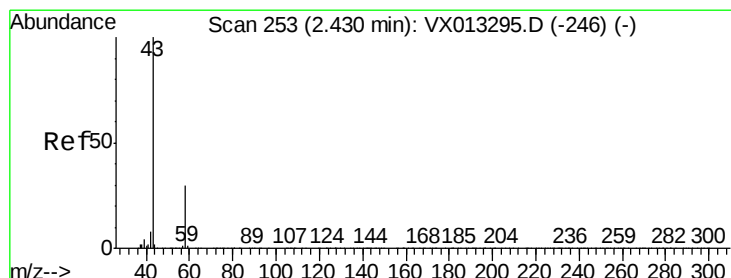
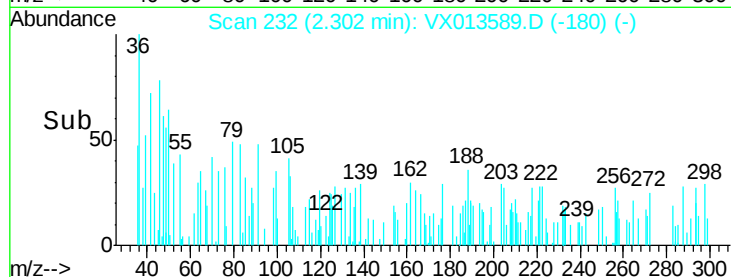
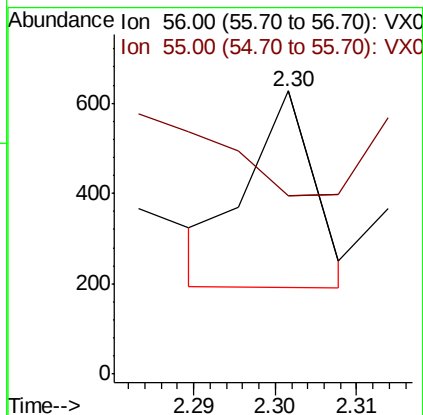
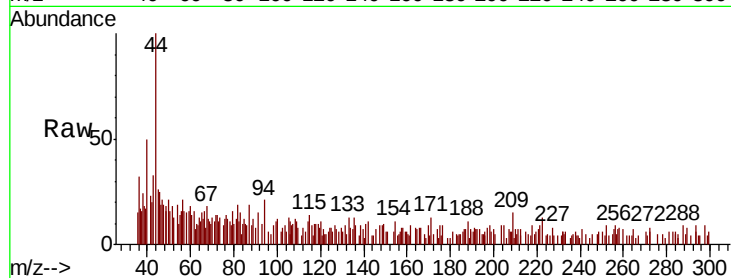
MH-121.5N-20191121

Tot Ion: 56 Resp: 245

Ion Ratio Lower Upper

56 100

55 178.8 57.4 86.0#



#16

Acetone

Concen: 3.469 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013589.D

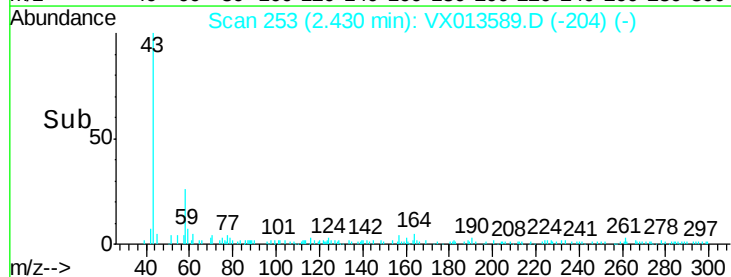
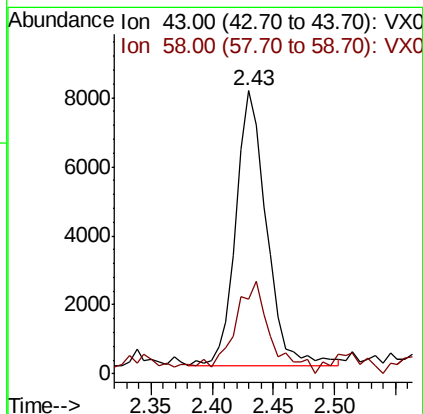
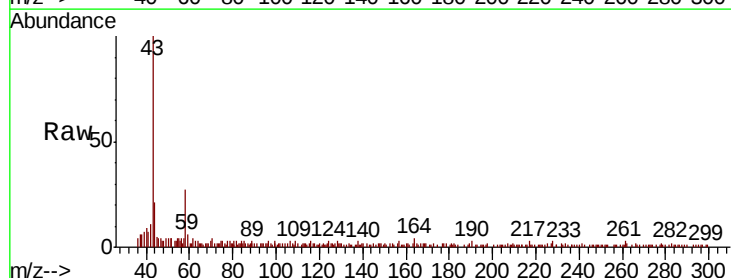
Acq: 25 Nov 2019 18:20

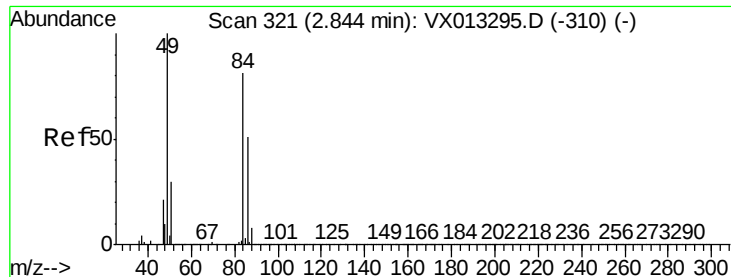
Tgt Ion: 43 Resp: 13895

Ion Ratio Lower Upper

43 100

58 24.2 24.3 36.5#

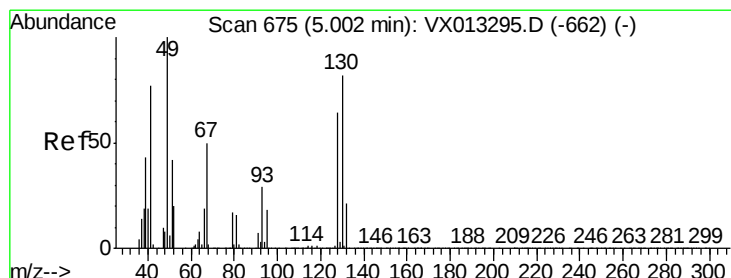
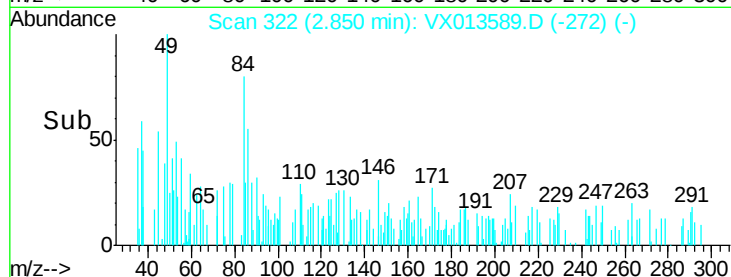
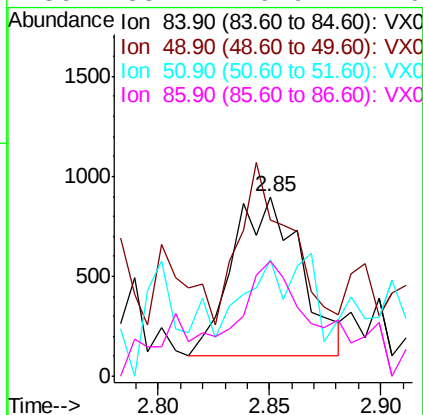
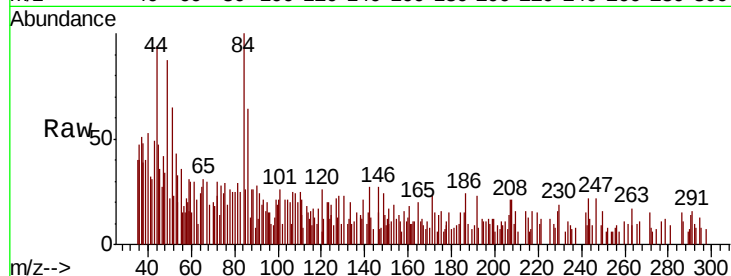




#20
Methvlene Chloride
Concen: 0.228 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013589.D
Acq: 25 Nov 2019 18:20

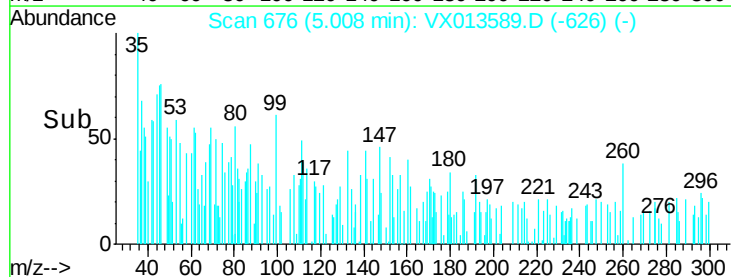
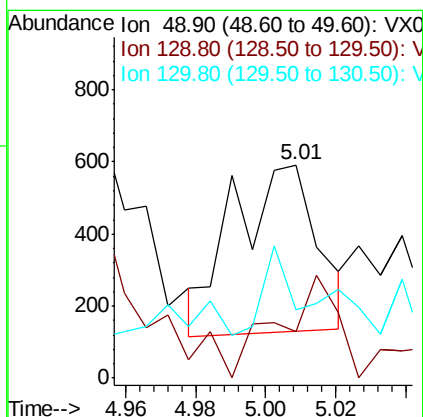
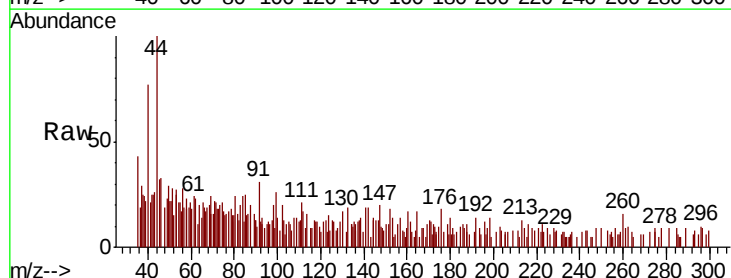
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20191121

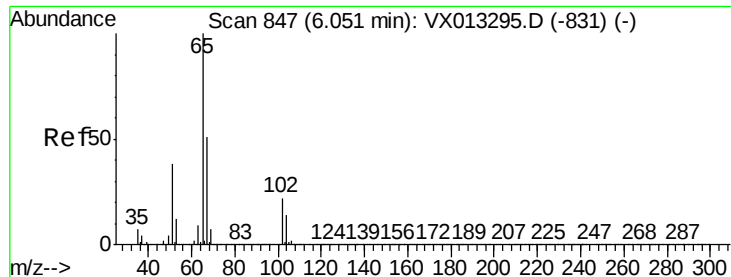
Tot Ion: 84 Resp: 1690
Ion Ratio Lower Upper
84 100
49 59.5 98.2 147.4#
51 45.9 29.9 44.9#
86 38.2 49.9 74.9#



#28
Bromochloromethane
Concen: 0.223 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013589.D
Acq: 25 Nov 2019 18:20

Tgt Ion: 49 Resp: 774
Ion Ratio Lower Upper
49 100
129 42.8 0.0 5.2#
130 37.3 63.8 95.6#





#33

1,2-Dichloroethane-d4

Concen: 49.813 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

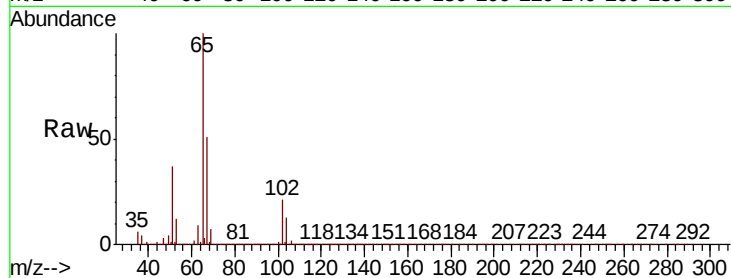
MH-121.5N-20191121

Tot Ion: 65 Resp: 400020

Ion Ratio Lower Upper

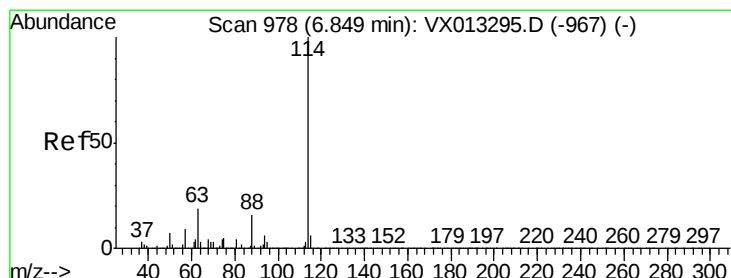
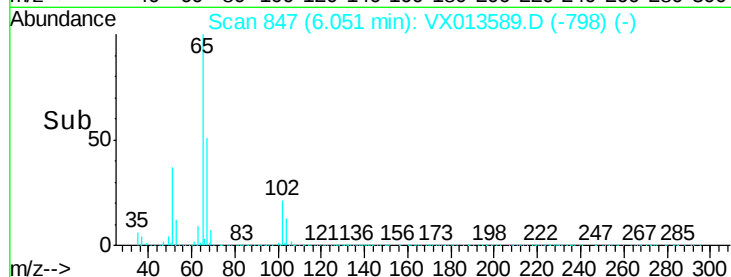
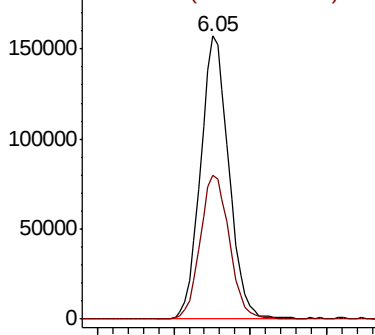
65 100

67 52.3 0.0 104.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

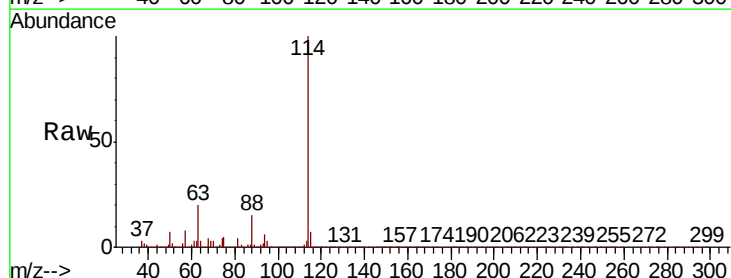
Tgt Ion: 114 Resp: 1092145

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

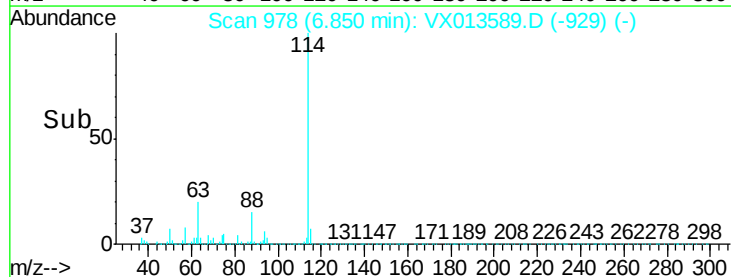
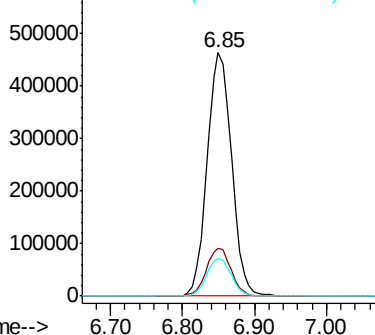
88 15.4 0.0 32.2

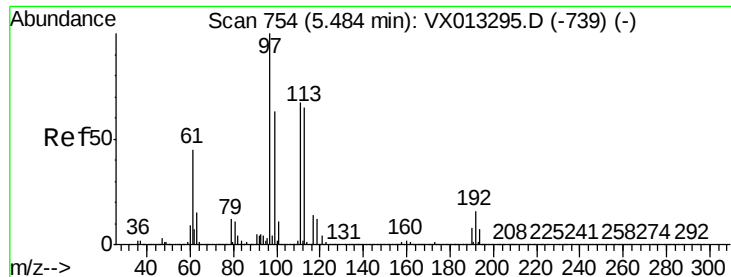


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

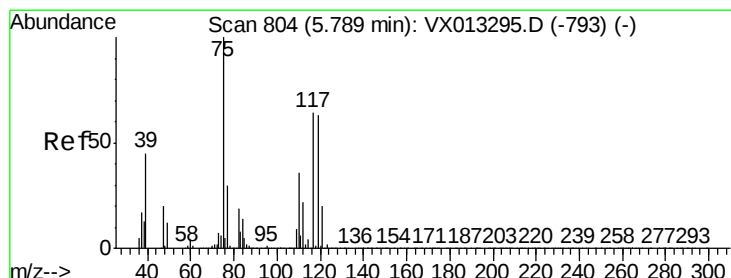
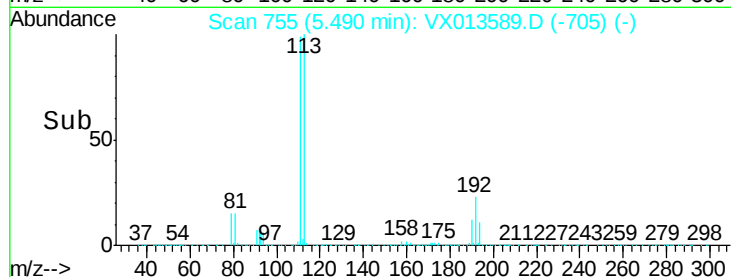
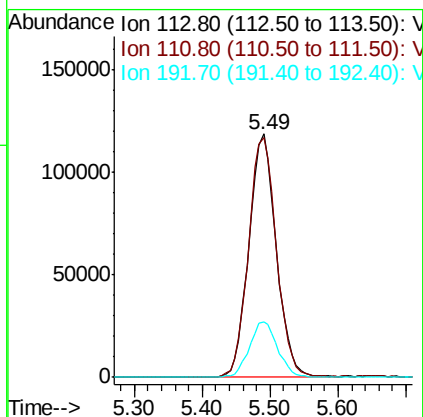
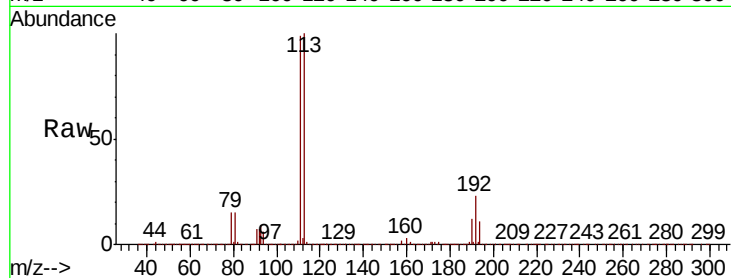




#35
 Dibromofluoromethane
 Concen: 48.639 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013589.D
 Acq: 25 Nov 2019 18:20

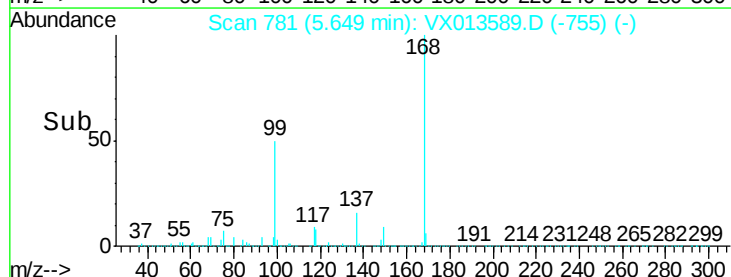
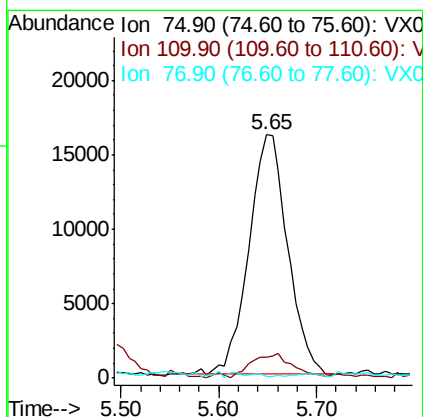
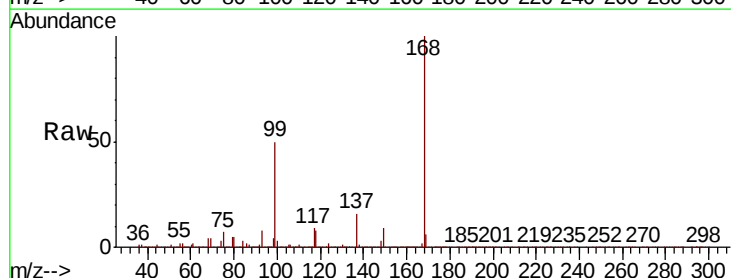
Instrument :
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 MH-121.5N-20191121

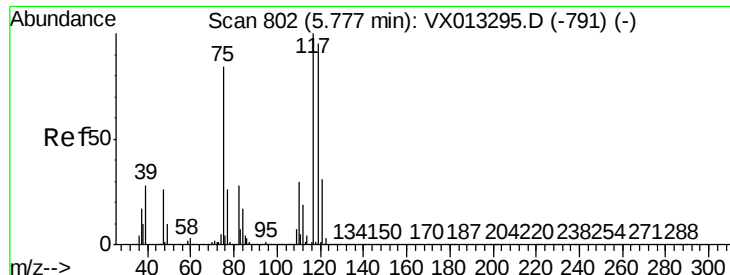
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.9	122.9
192	23.7	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.729 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013589.D
 Acq: 25 Nov 2019 18:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.256 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

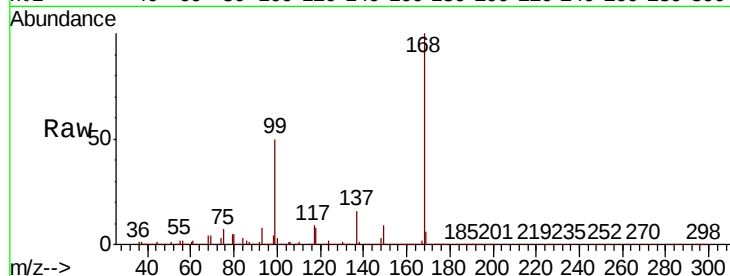
Tot Ion:117 Resp: 57316

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

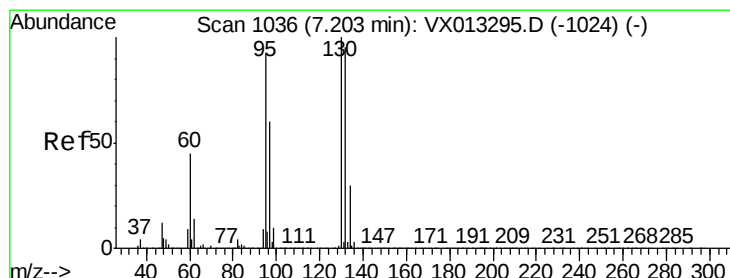
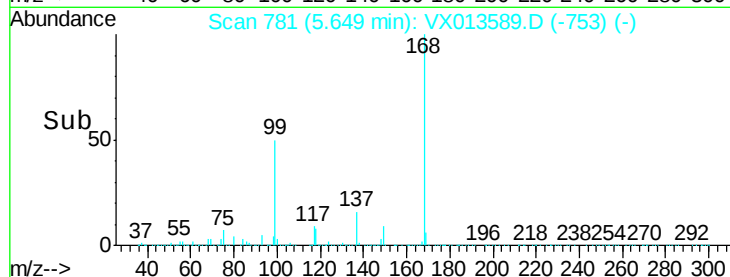
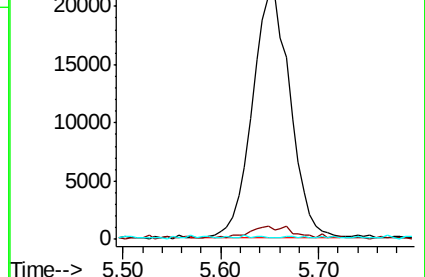
121 0.0 24.6 37.0#



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: 0.236 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013589.D

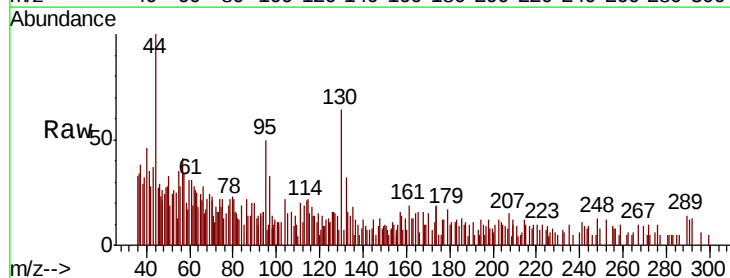
Acq: 25 Nov 2019 18:20

Tgt Ion:130 Resp: 1896

Ion Ratio Lower Upper

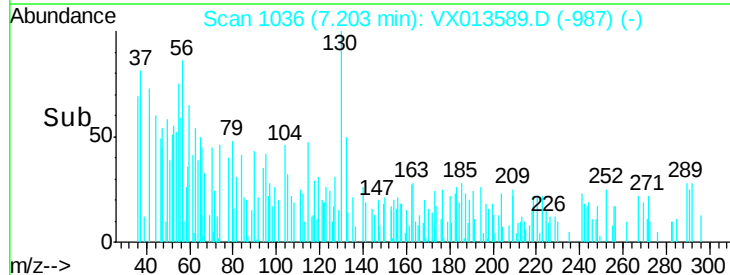
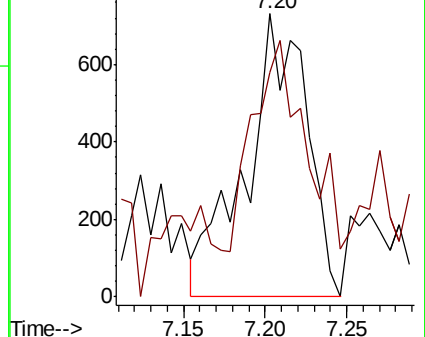
130 100

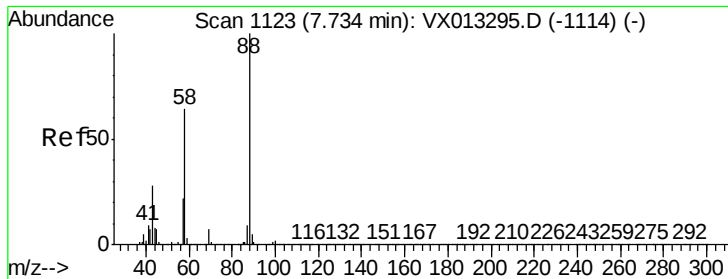
95 62.4 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.602 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

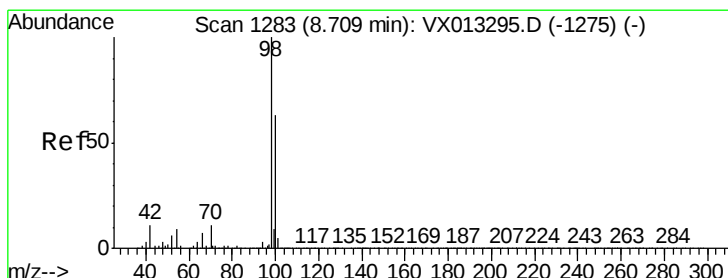
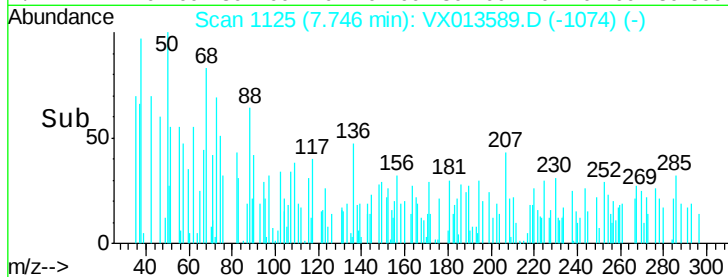
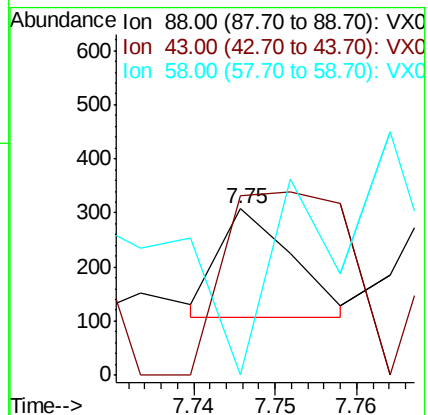
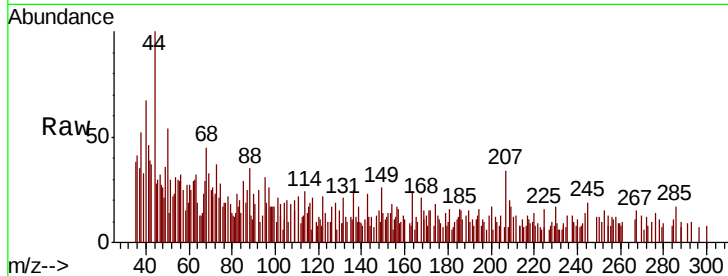
Tot Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 291.1 26.6 39.8#

58 0.0 55.0 82.6#



#50

Toluene-d8

Concen: 50.833 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013589.D

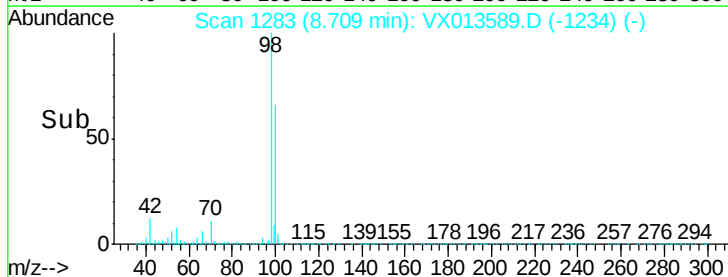
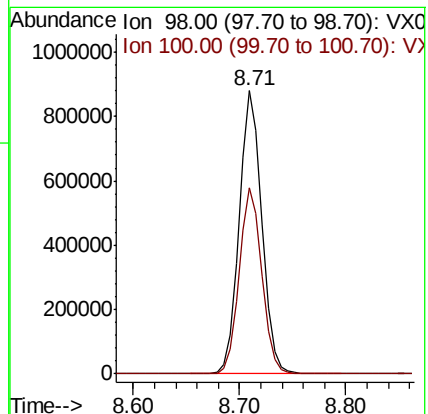
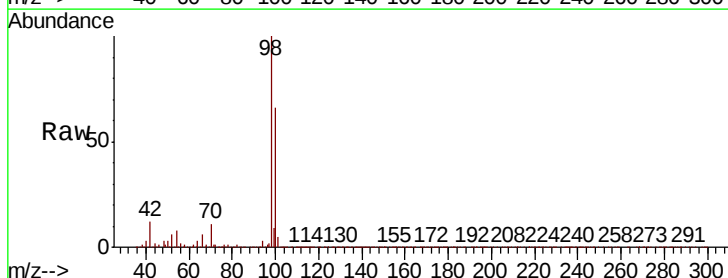
Acq: 25 Nov 2019 18:20

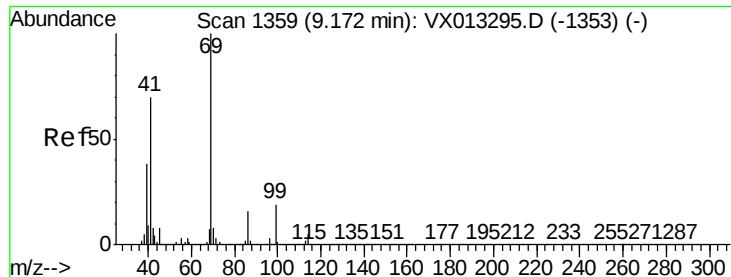
Tgt Ion: 98 Resp: 1312718

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.605 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

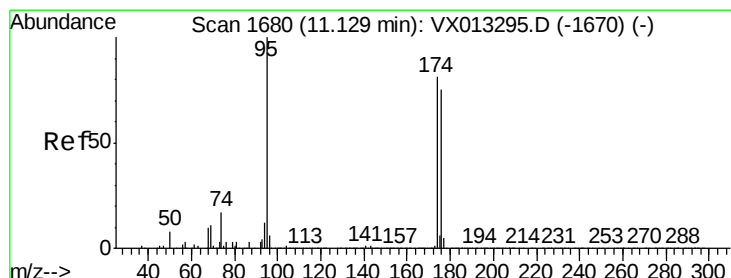
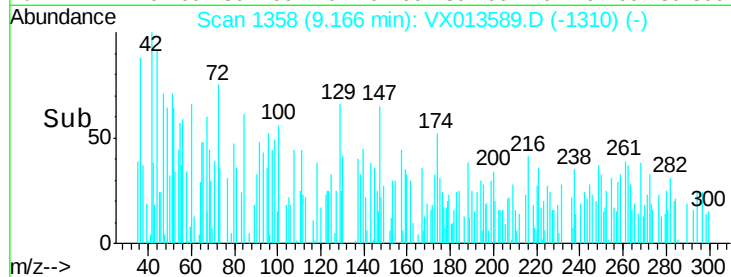
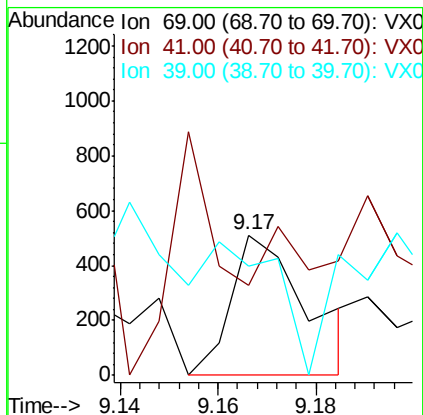
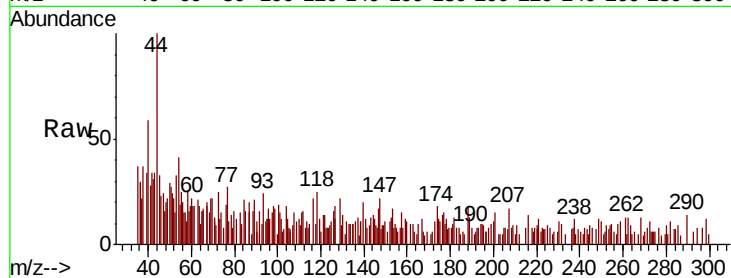
Tot Ion: 69 Resp: 549

Ion Ratio Lower Upper

69 100

41 120.6 56.2 84.2#

39 0.0 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 47.972 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

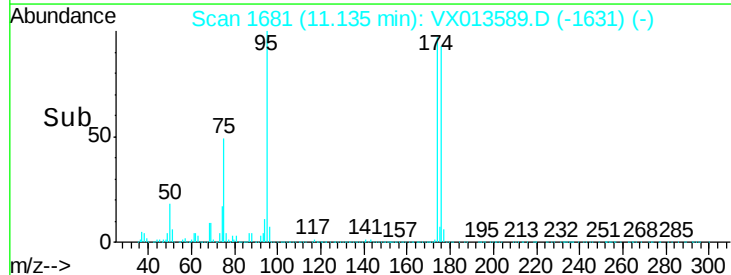
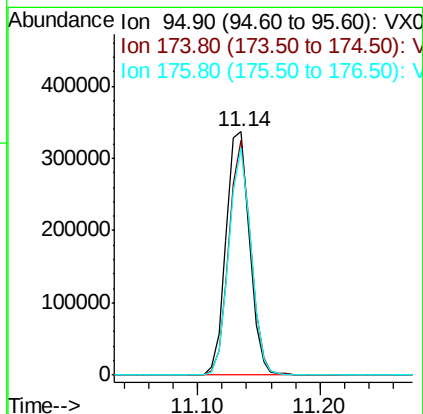
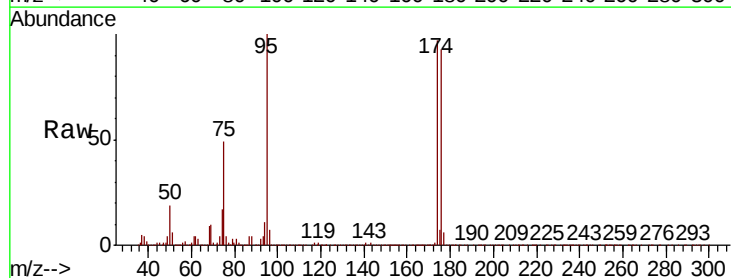
Tgt Ion: 95 Resp: 447099

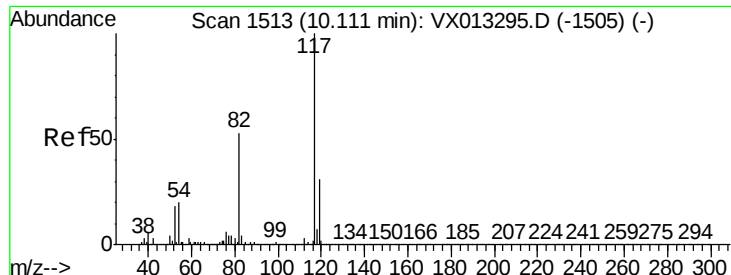
Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.8

176 87.6 0.0 173.0

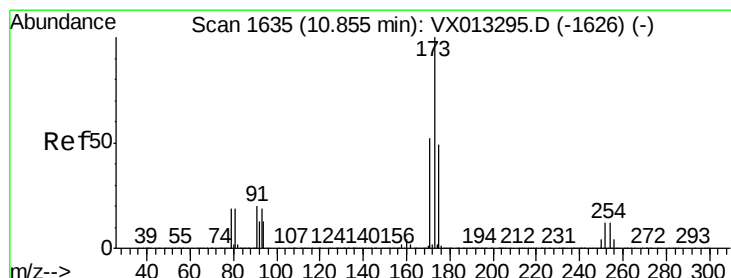
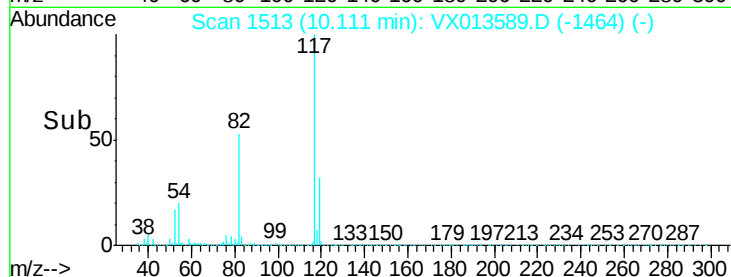
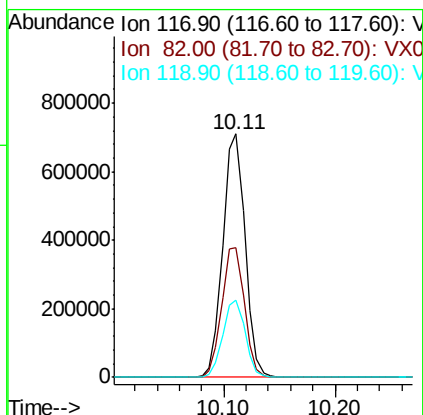
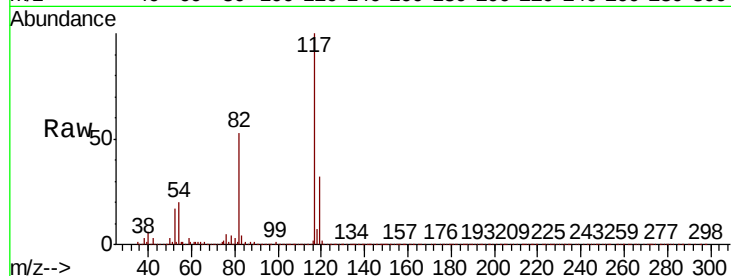




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013589.D
Acq: 25 Nov 2019 18:20

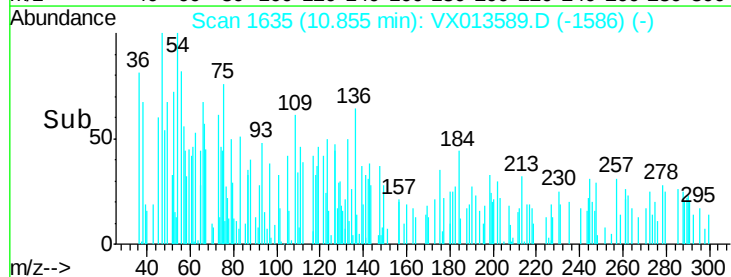
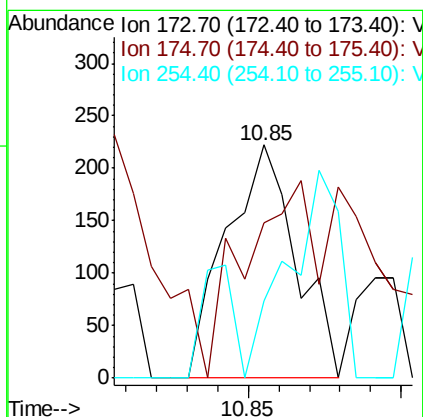
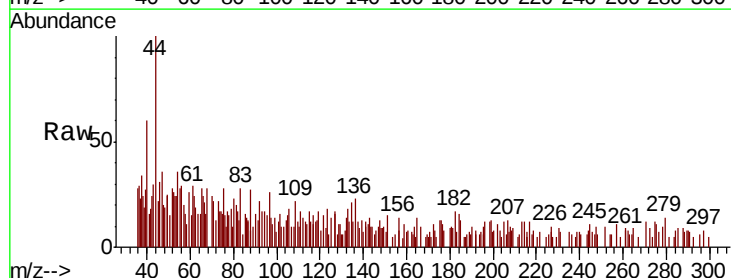
Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20191121

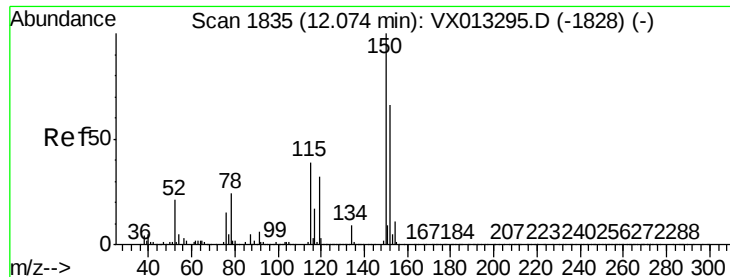
Tot Ion:117 Resp: 987032
Ion Ratio Lower Upper
117 100
82 53.1 42.6 64.0
119 31.8 24.8 37.2



#71
Bromoform
Concen: 3.251 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013589.D
Acq: 25 Nov 2019 18:20

Tgt Ion:173 Resp: 353
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 21.8 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: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

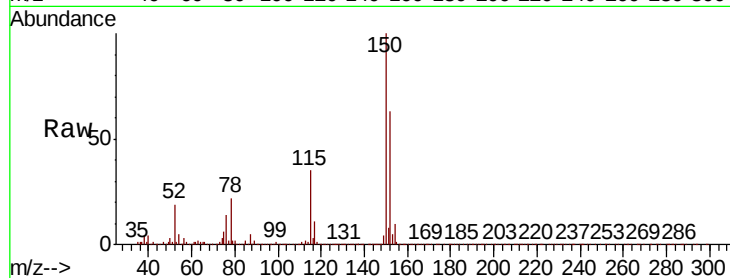
Tot Ion:152 Resp: 453733

Ion Ratio Lower Upper

152 100

115 55.9 39.5 118.3

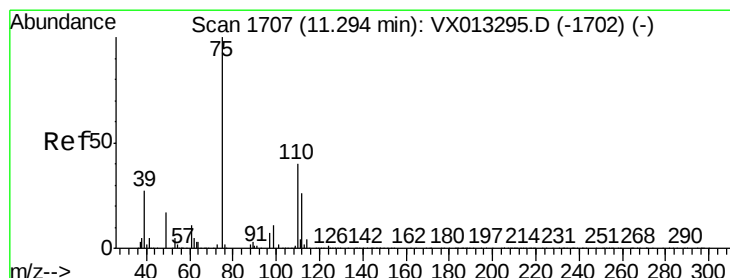
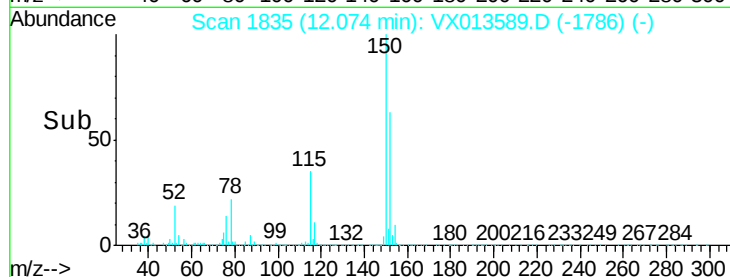
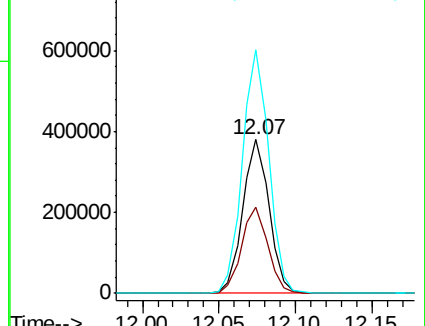
150 158.6 0.0 344.4



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: 24.179 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013589.D

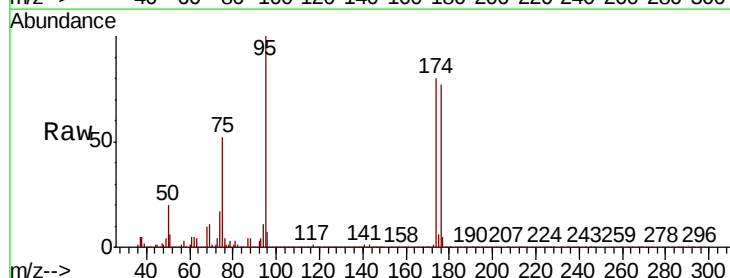
Acq: 25 Nov 2019 18:20

Tgt Ion: 75 Resp: 222830

Ion Ratio Lower Upper

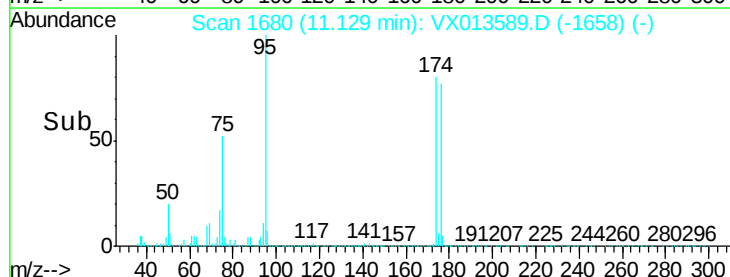
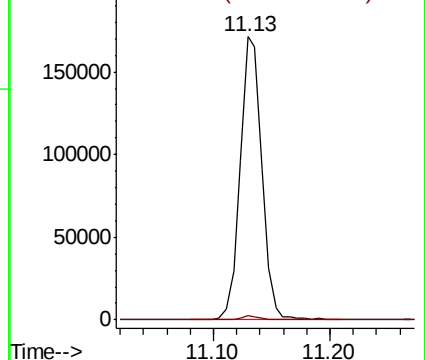
75 100

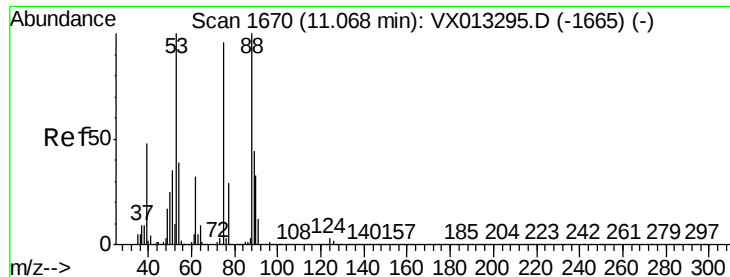
77 1.4 22.3 66.8#



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: 62.236 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013589.D

Acq: 25 Nov 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

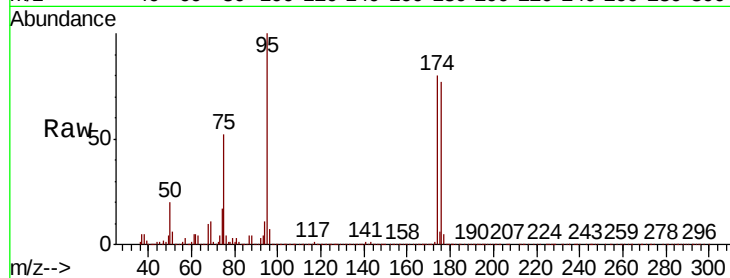
Tot Ion: 75 Resp: 222830

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.1 36.0 54.0#



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

