

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013568.D
 Acq On : 23 Nov 2019 05:32
 Operator : JC/SP
 Sample : K5968-08 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-121.5N-20191121

Quant Time: Nov 25 00:35:30 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	639677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1042146	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	929810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	424287	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	382188	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.48	113	315212	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1244355	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.14	95	417390	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	

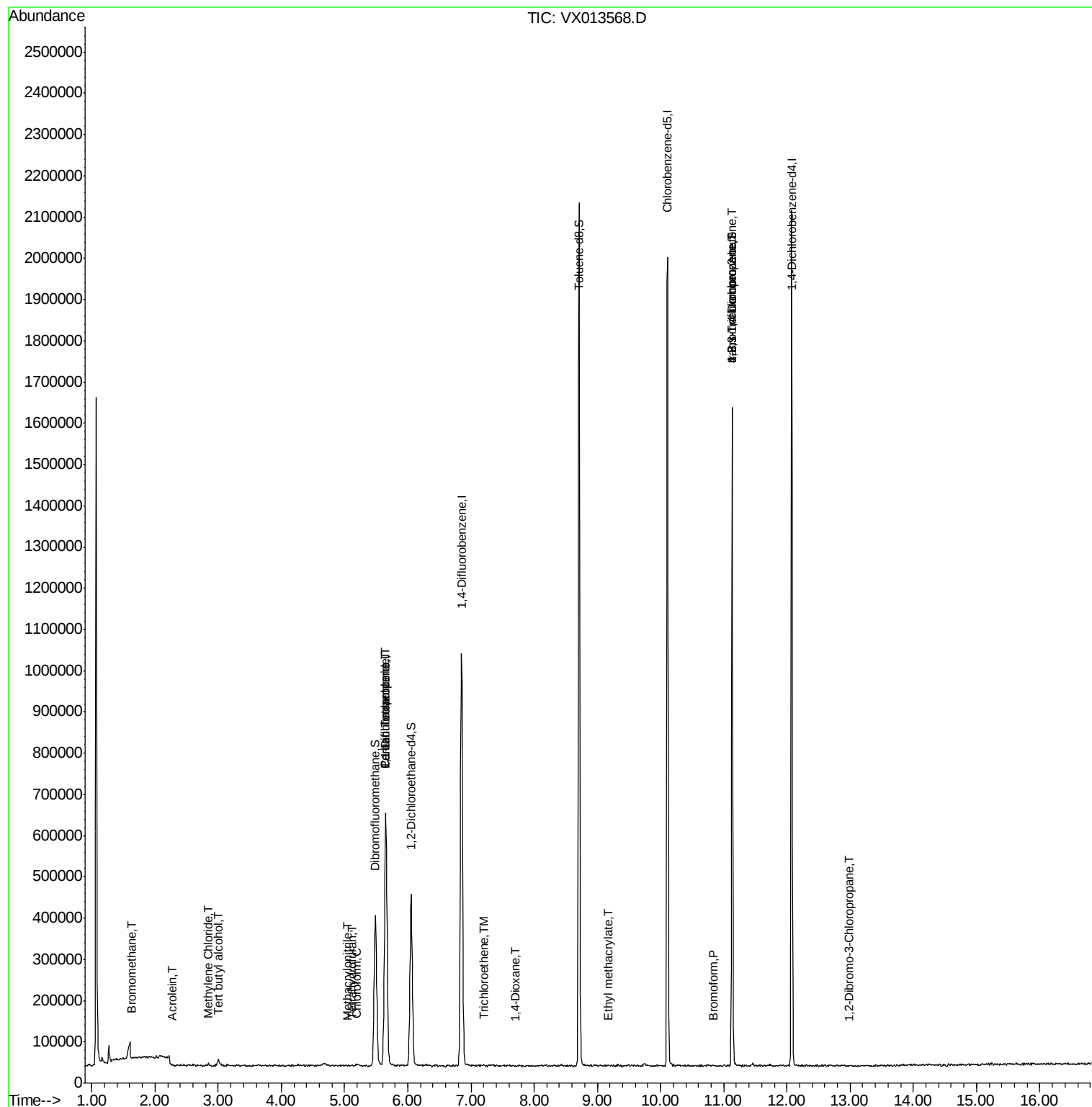
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1623	0.256	ug/l #	71
6) Chloroethane	1.65	64	466	Below Cal	#	65
11) Tert butyl alcohol	3.01	59	10177	5.095	ug/l #	82
13) Acrolein	2.28	56	429	0.396	ug/l #	70
20) Methylene Chloride	2.84	84	1467	0.210	ug/l #	87
29) Tetrahydrofuran	5.11	42	2172	0.636	ug/l #	68
30) Chloroform	5.20	83	4629	0.407	ug/l #	75
36) 1,1-Dichloropropene	5.65	75	43318	4.845	ug/l #	50
38) Carbon Tetrachloride	5.65	117	55664	6.367	ug/l #	16
41) Methacrylonitrile	5.04	41	1256	0.203	ug/l #	56
44) Trichloroethene	7.20	130	2015	0.263	ug/l	50
49) 1,4-Dioxane	7.71	88	322	1.637	ug/l #	1
56) Ethyl methacrylate	9.17	69	467	1.600	ug/l #	24
71) Bromoform	10.84	173	387	3.259	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	204047	23.677	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	203469	60.772	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1077	0.431	ug/l #	8

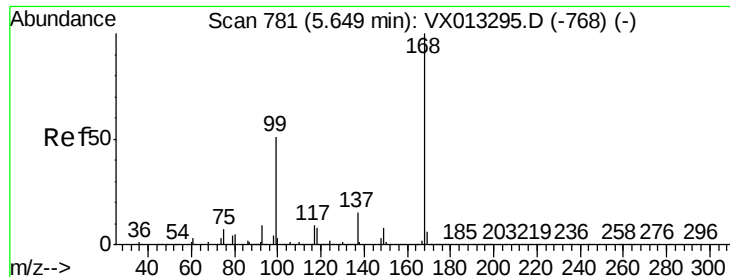
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112219\
Data File : VX013568.D
Acq On : 23 Nov 2019 05:32
Operator : JC/SP
Sample : K5968-08 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20191121

Quant Time: Nov 25 00:35:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
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# 781

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

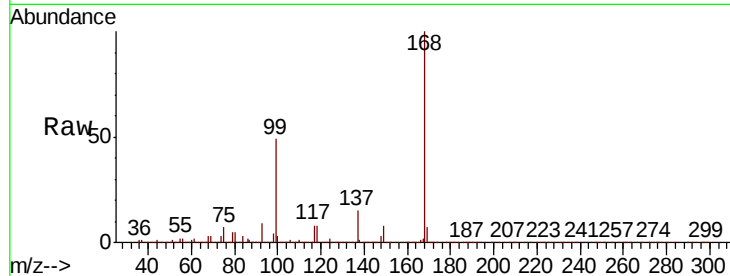
MH-121.5N-20191121

Tot Ion:168 Resp: 639677

Ion Ratio Lower Upper

168 100

99 48.6 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

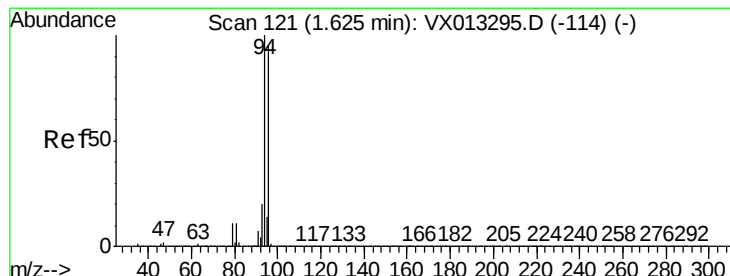
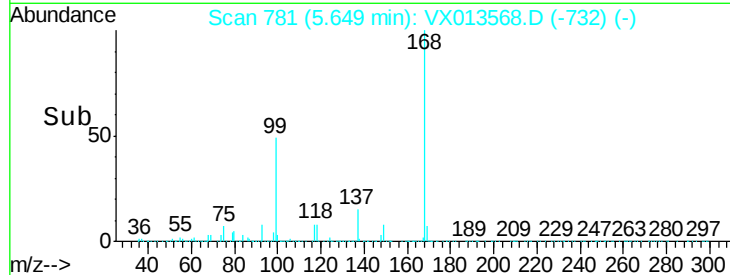
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013568.D

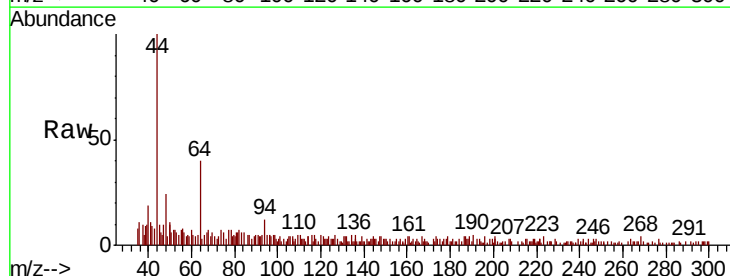
Acq: 23 Nov 2019 05:32

Tgt Ion: 94 Resp: 1623

Ion Ratio Lower Upper

94 100

96 66.4 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

600

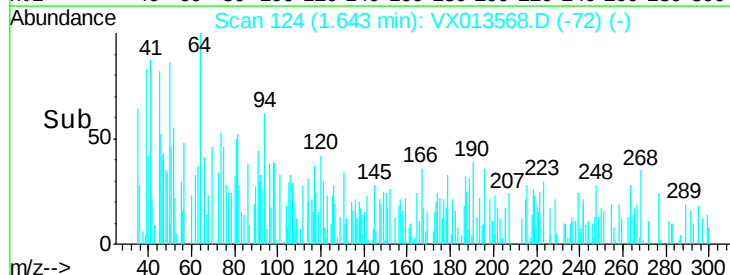
400

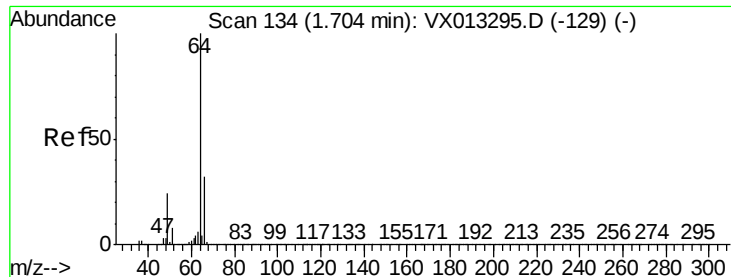
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. -0.05 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

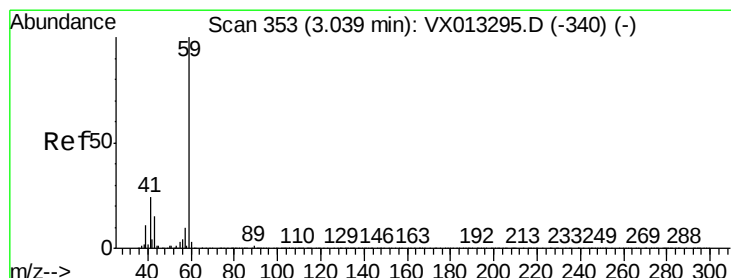
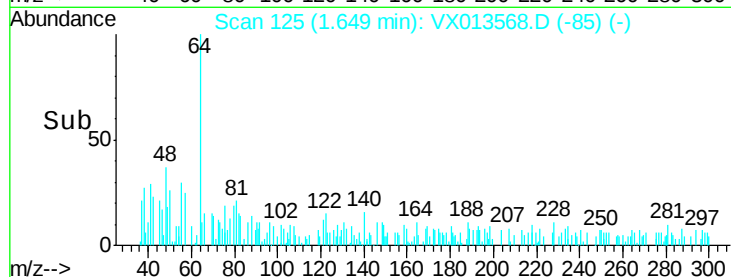
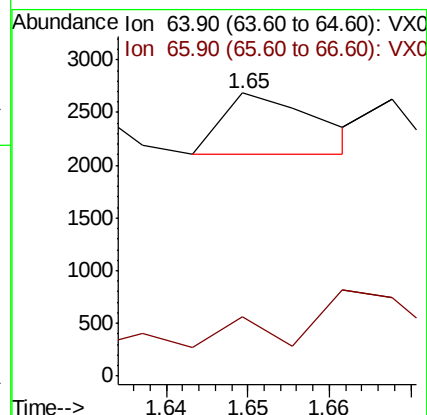
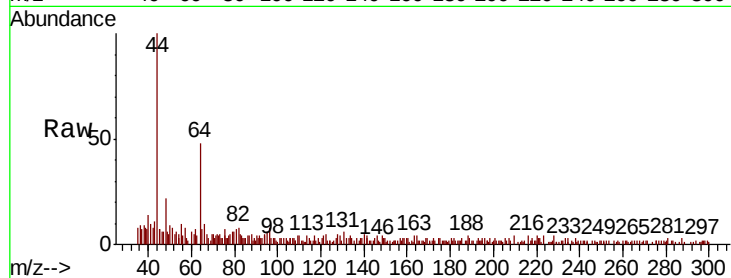
MH-121.5N-20191121

Tot Ion: 64 Resp: 466

Ion Ratio Lower Upper

64 100

66 51.5 25.6 38.4#



#11

Tert butyl alcohol

Concen: 5.095 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX013568.D

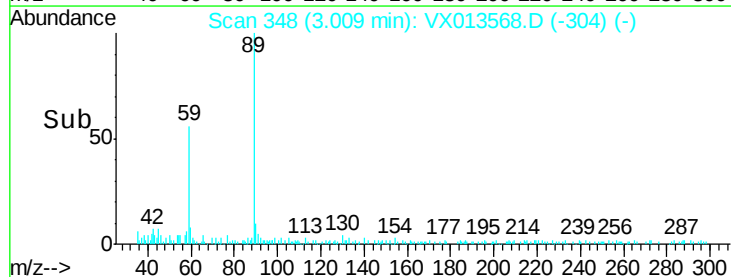
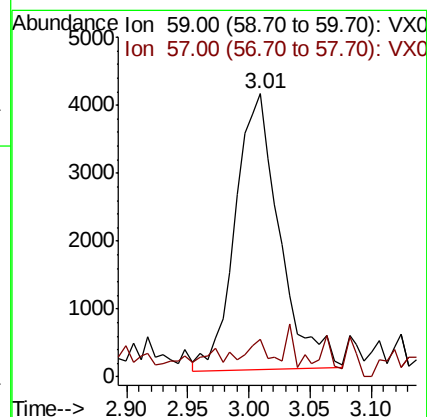
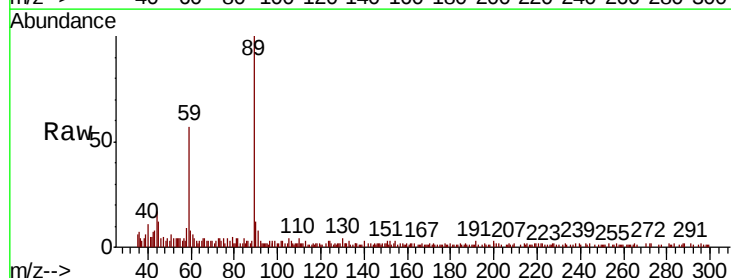
Acq: 23 Nov 2019 05:32

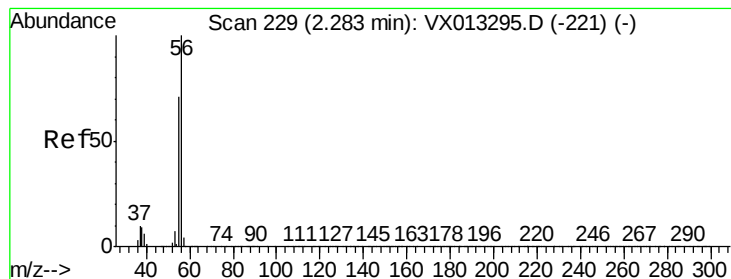
Tgt Ion: 59 Resp: 10177

Ion Ratio Lower Upper

59 100

57 3.4 8.0 12.0#





#13

Acrolein

Concen: 0.396 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

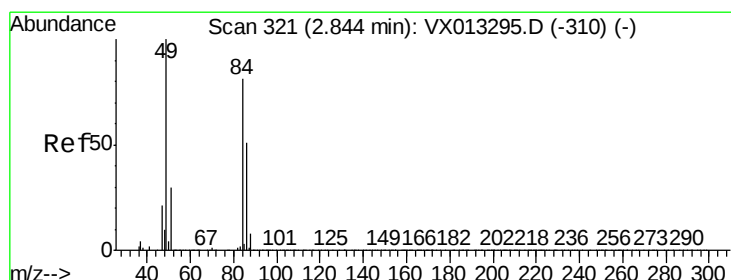
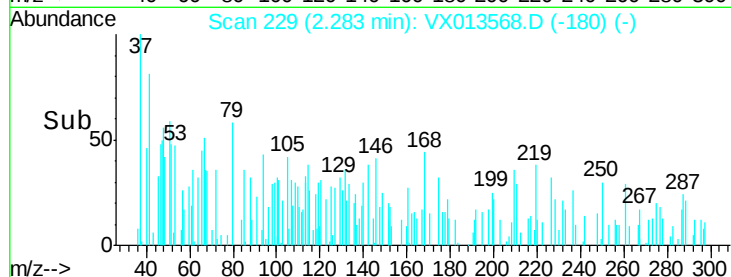
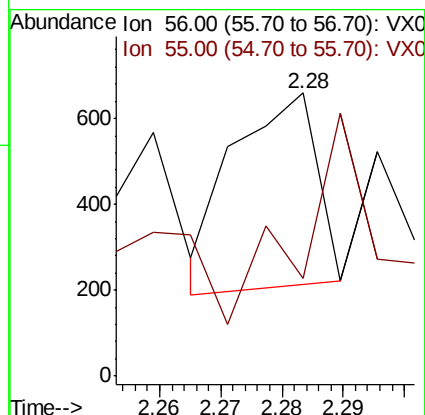
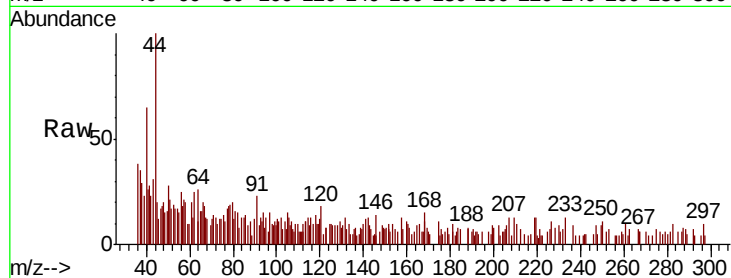
MH-121.5N-20191121

Tot Ion: 56 Resp: 429

Ion Ratio Lower Upper

56 100

55 96.3 57.4 86.0#



#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Tgt Ion: 84 Resp: 1467

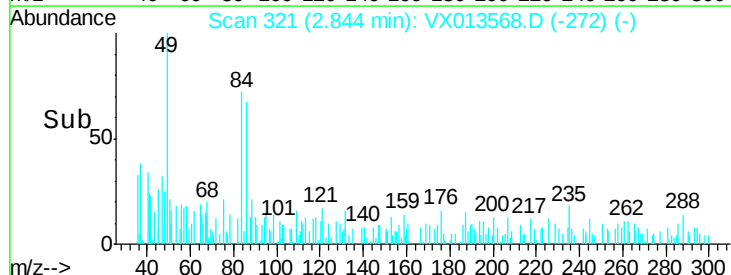
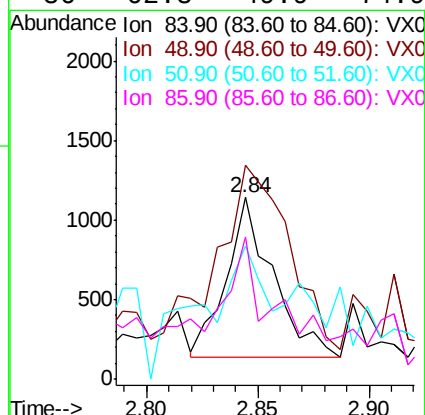
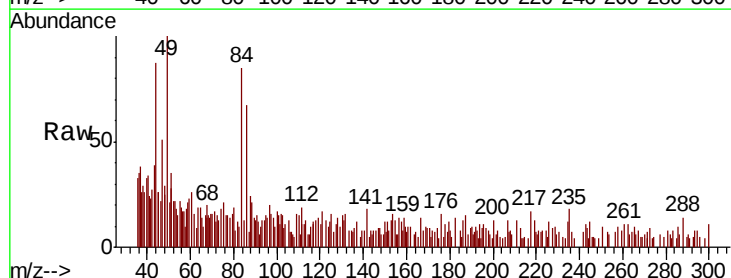
Ion Ratio Lower Upper

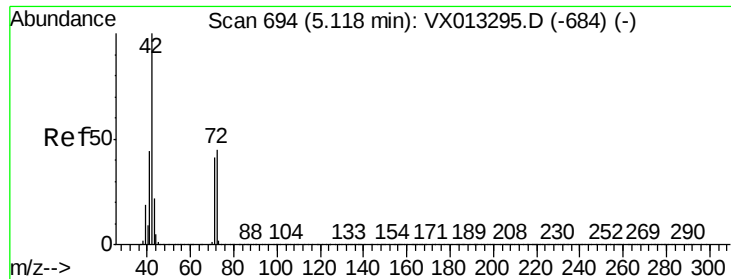
84 100

49 96.1 98.2 147.4#

51 37.8 29.9 44.9

86 62.8 49.9 74.9





#29

Tetrahydrofuran

Concen: 0.636 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

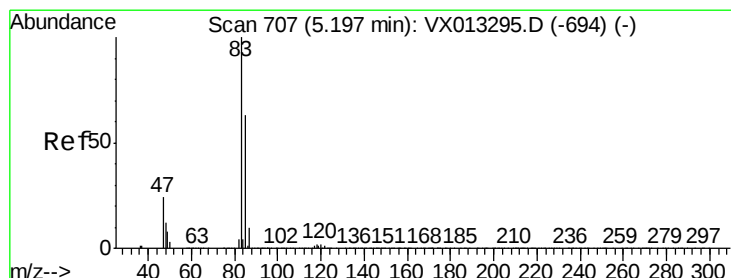
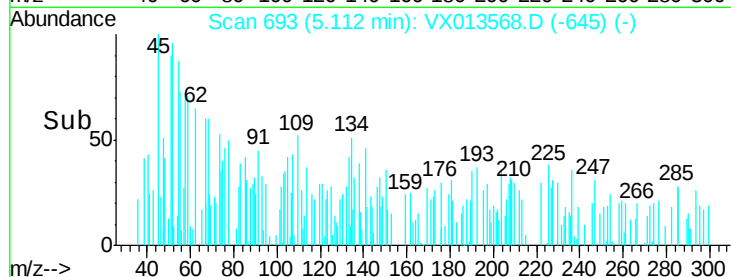
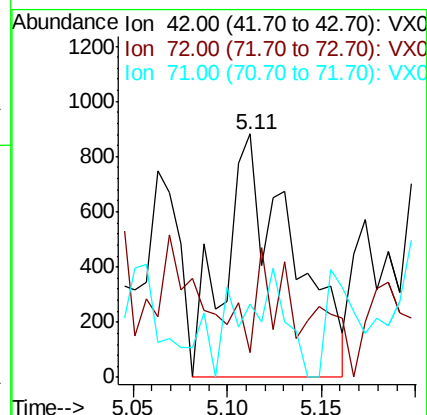
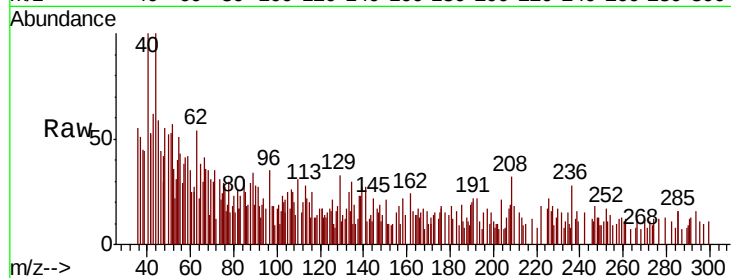
Tot Ion: 42 Resp: 2172

Ion Ratio Lower Upper

42 100

72 16.1 35.8 53.8#

71 29.3 33.4 50.0#



#30

Chloroform

Concen: 0.407 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013568.D

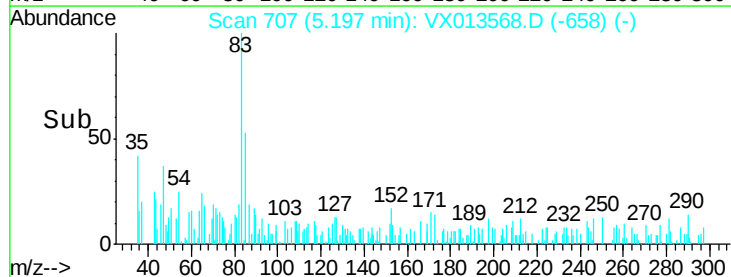
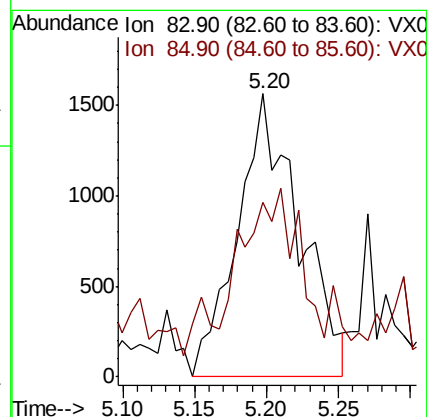
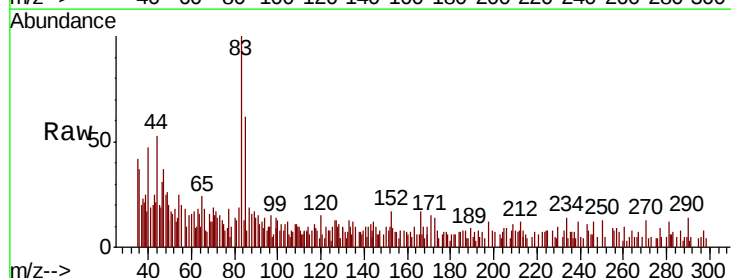
Acq: 23 Nov 2019 05:32

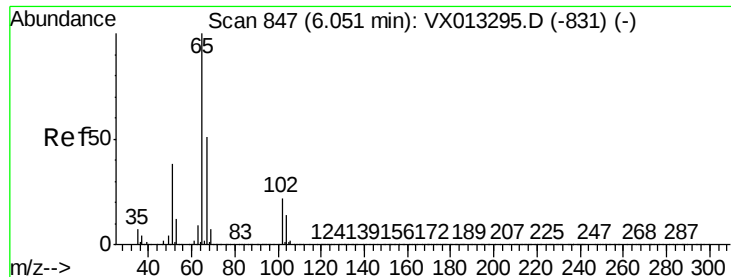
Tgt Ion: 83 Resp: 4629

Ion Ratio Lower Upper

83 100

85 43.6 50.2 75.4#





#33

1,2-Dichloroethane-d4

Concen: 50.432 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

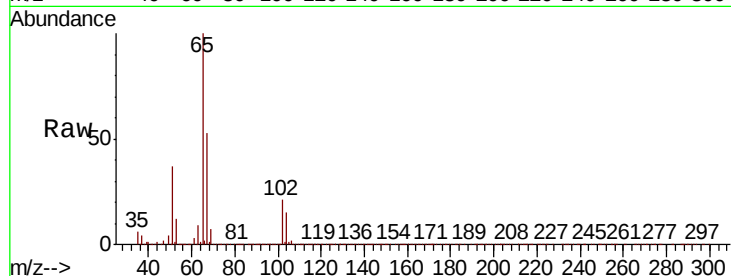
MH-121.5N-20191121

Tot Ion: 65 Resp: 382188

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

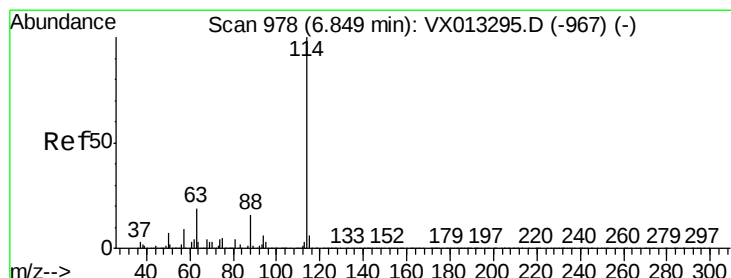
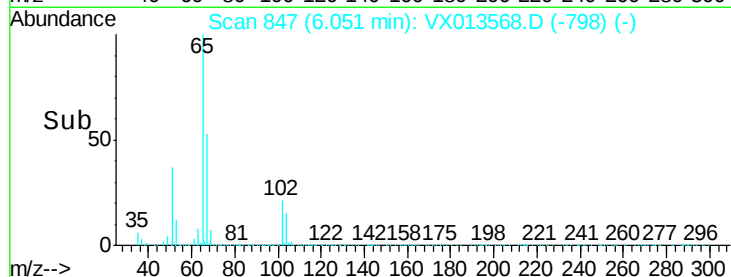
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

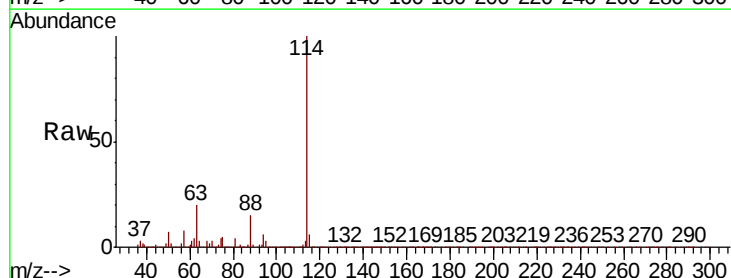
Tgt Ion: 114 Resp: 1042146

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.0 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

600000

500000

400000

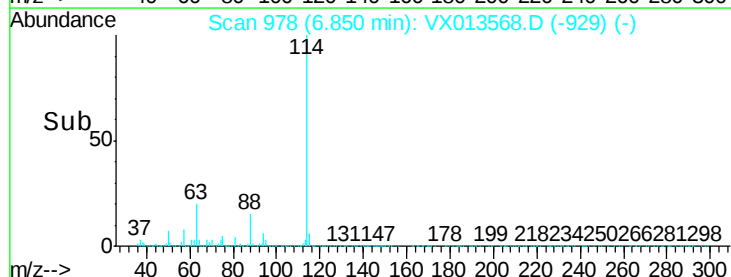
300000

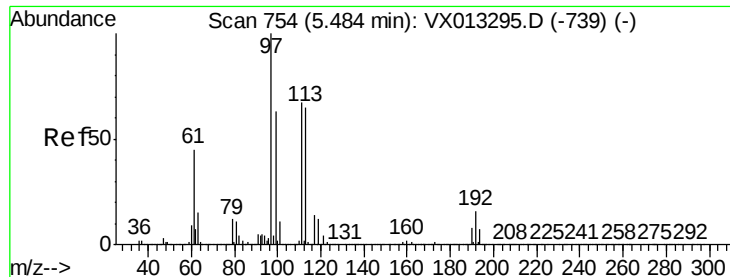
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.224 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

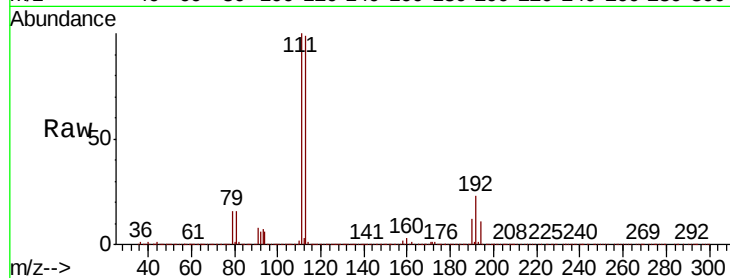
Tot Ion:113 Resp: 315212

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

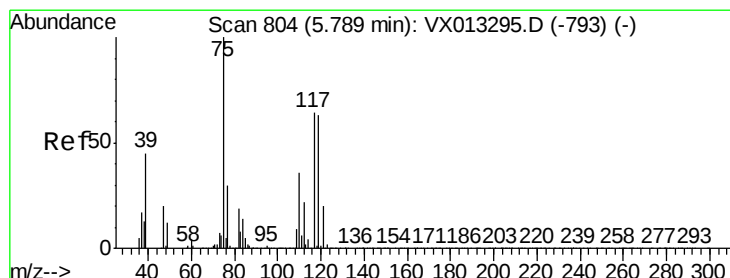
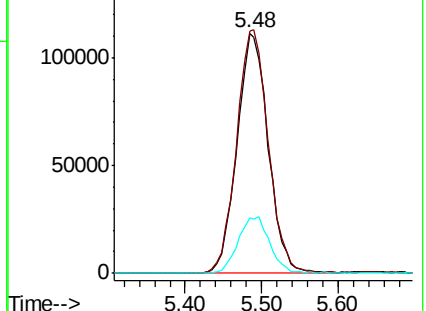
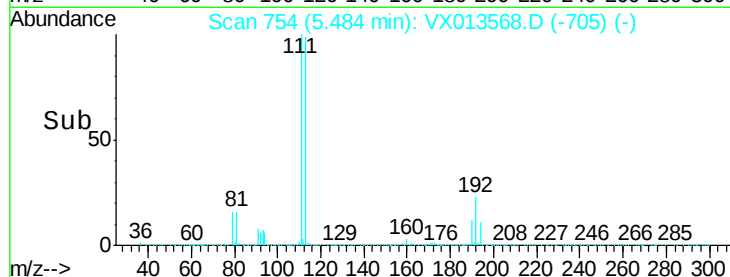
192 23.5 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 4.845 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

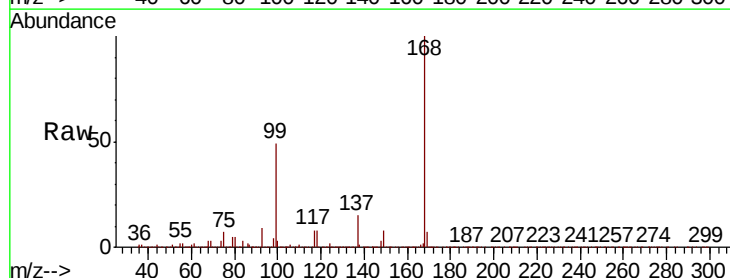
Tgt Ion: 75 Resp: 43318

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

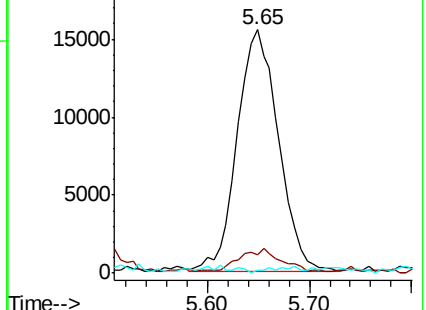
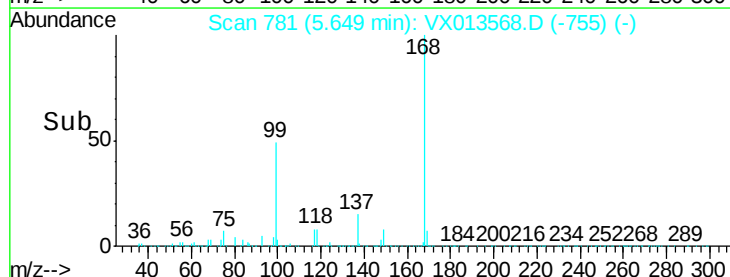
77 0.8 25.0 37.4#

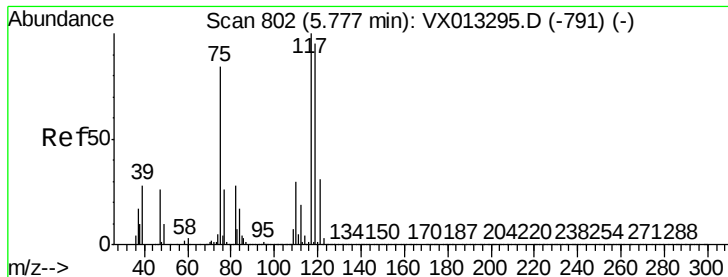


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.367 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

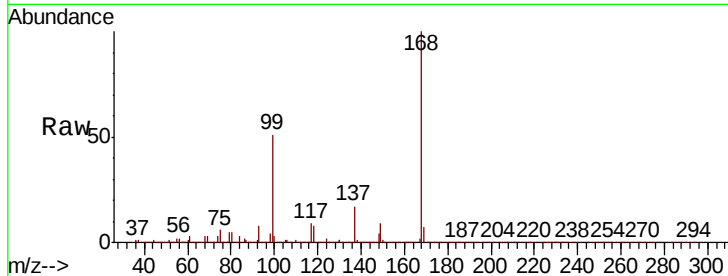
Tot Ion:117 Resp: 55664

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

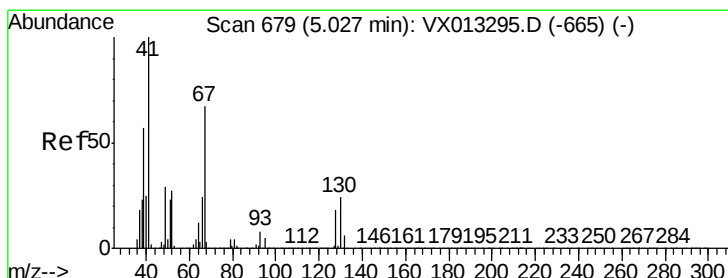
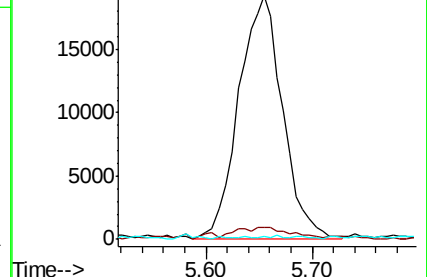
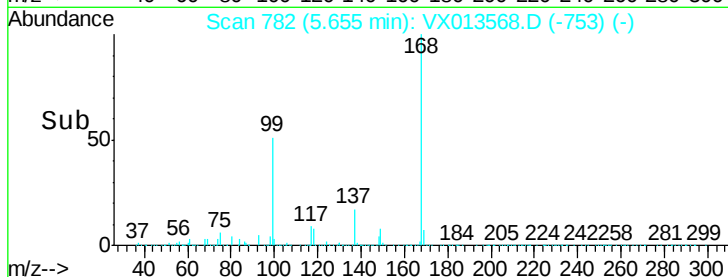
121 0.4 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.203 ug/l

RT: 5.04 min Scan# 681

Delta R.T. 0.01 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Tgt Ion: 41 Resp: 1256

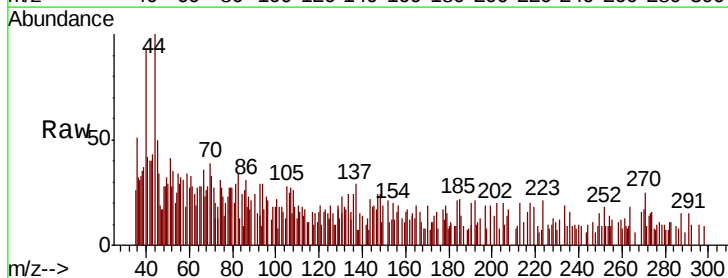
Ion Ratio Lower Upper

41 100

39 54.9 45.0 67.6

67 0.0 55.4 83.2#

52 13.9 23.1 34.7#

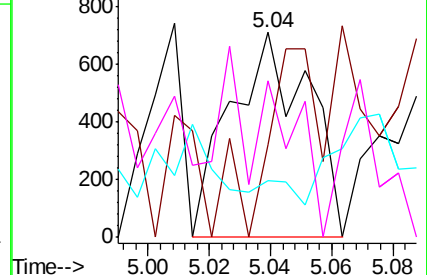
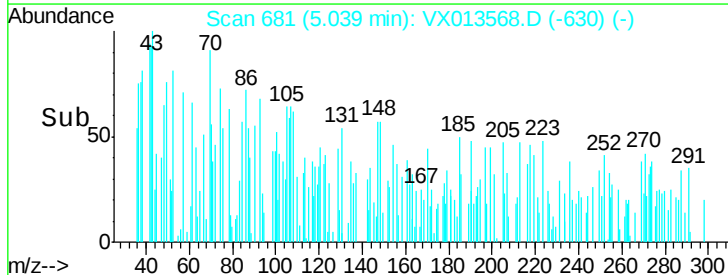


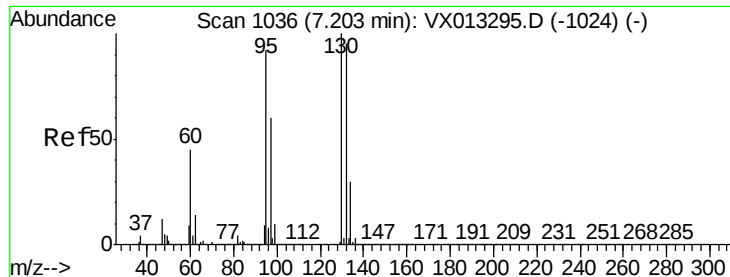
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 0.263 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

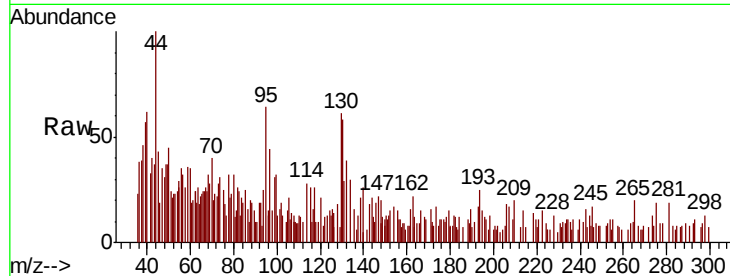
MH-121.5N-20191121

Tot Ion:130 Resp: 2015

Ion Ratio Lower Upper

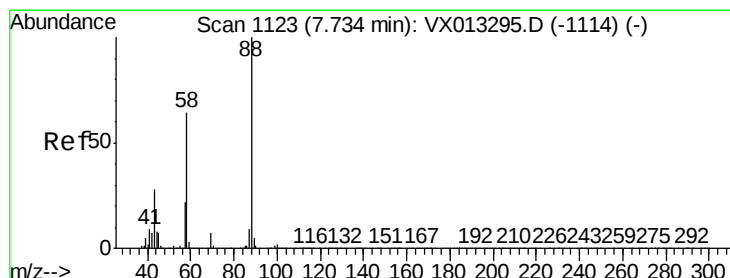
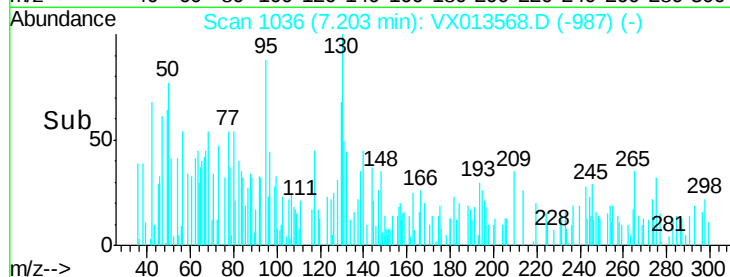
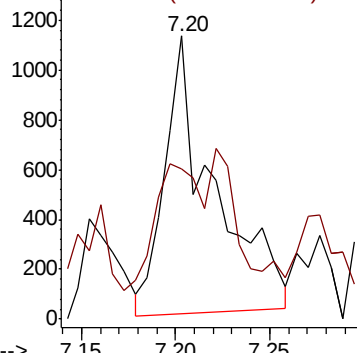
130 100

95 44.7 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: 1.637 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

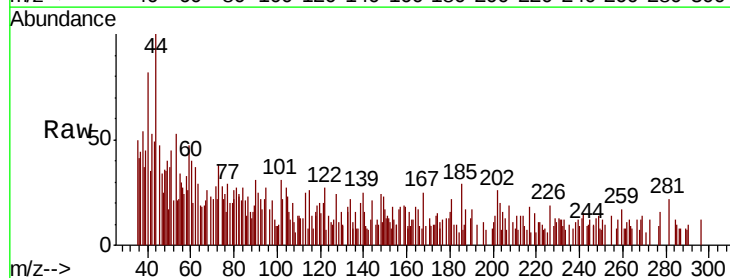
Tgt Ion: 88 Resp: 322

Ion Ratio Lower Upper

88 100

43 242.5 26.6 39.8#

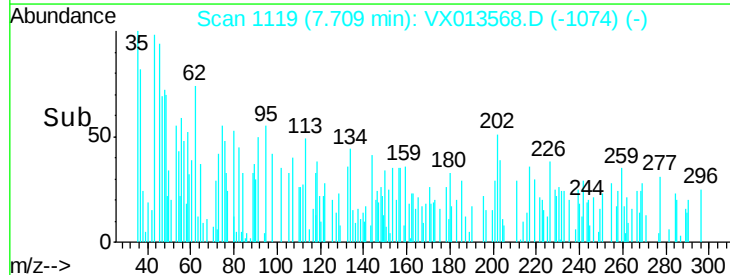
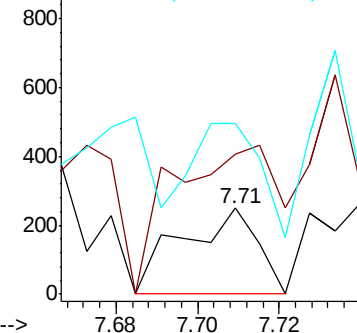
58 121.1 55.0 82.6#

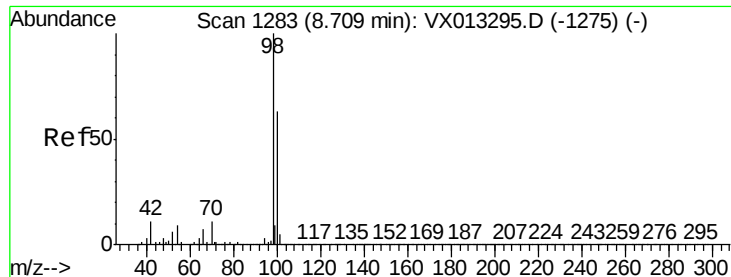


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.498 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

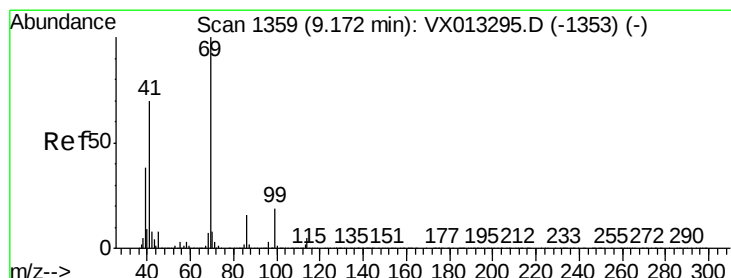
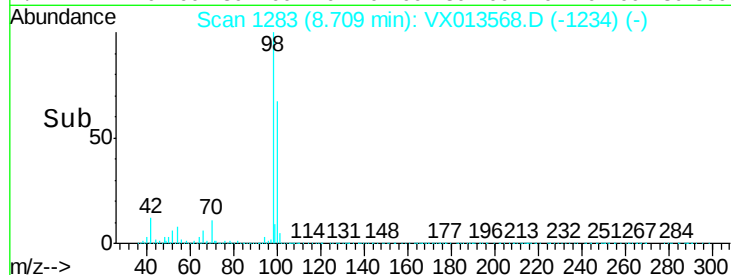
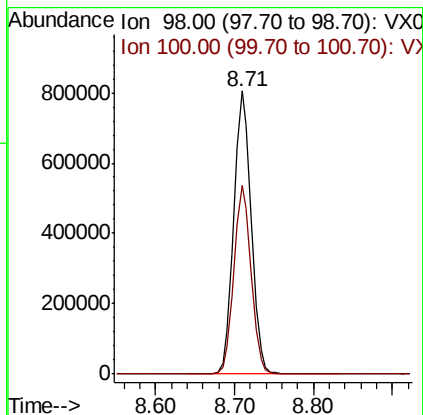
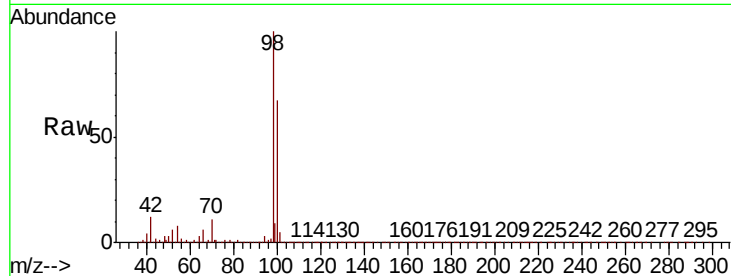
MH-121.5N-20191121

Tot Ion: 98 Resp: 1244355

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.600 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

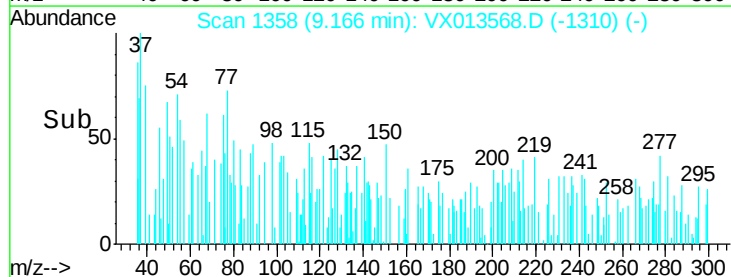
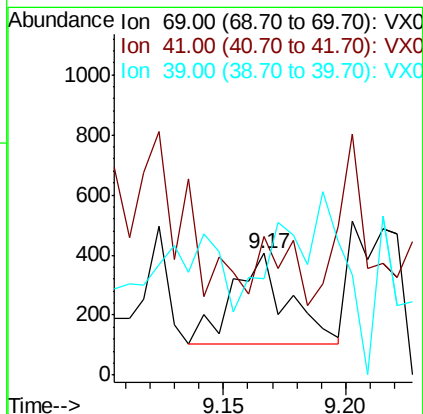
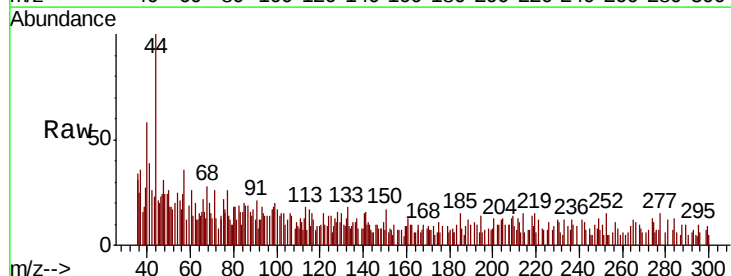
Tgt Ion: 69 Resp: 467

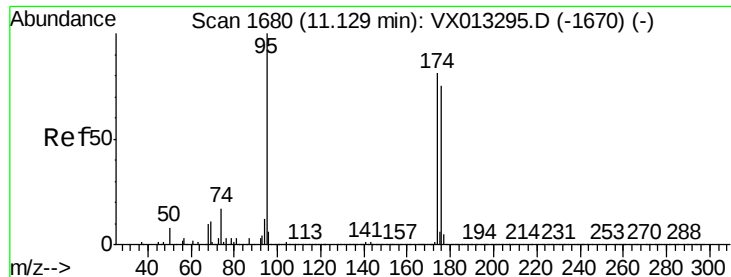
Ion Ratio Lower Upper

69 100

41 117.6 56.2 84.2#

39 104.9 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.933 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

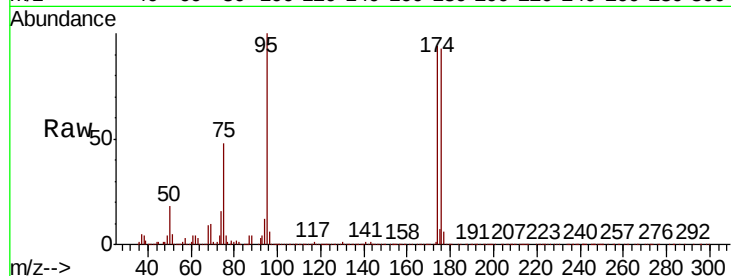
Tot Ion: 95 Resp: 417390

Ion Ratio Lower Upper

95 100

174 90.0 0.0 179.8

176 87.7 0.0 173.0



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

Time-->

11.14

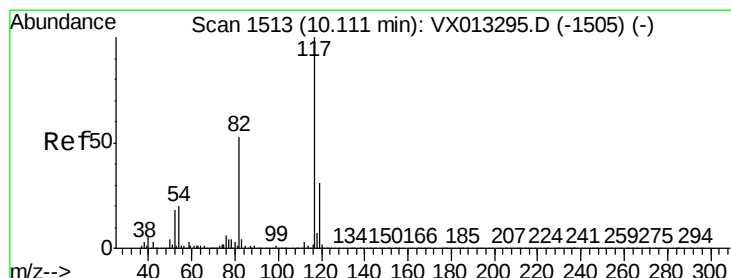
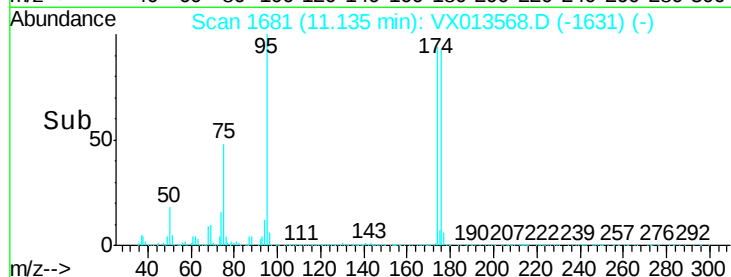
300000

200000

100000

0

11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

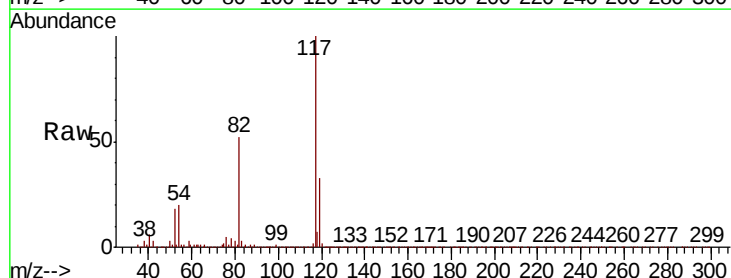
Tgt Ion: 117 Resp: 929810

Ion Ratio Lower Upper

117 100

82 51.5 42.6 64.0

119 32.6 24.8 37.2



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

Time-->

10.11

800000

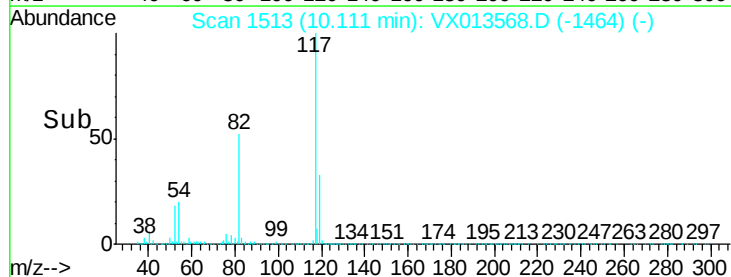
600000

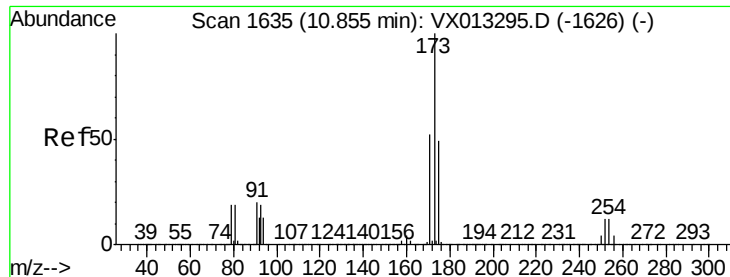
400000

200000

0

10.00 10.10 10.20

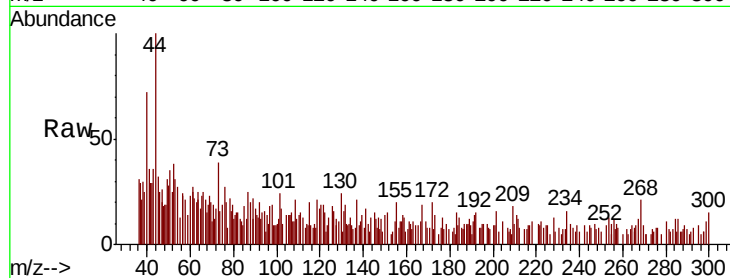




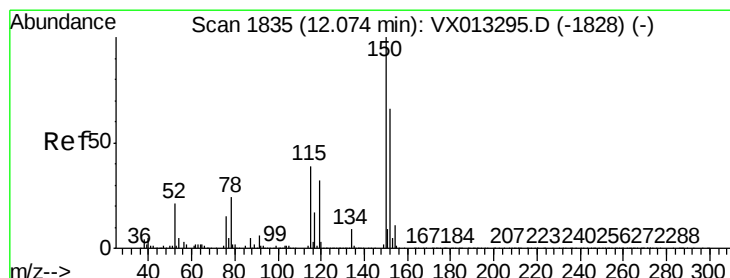
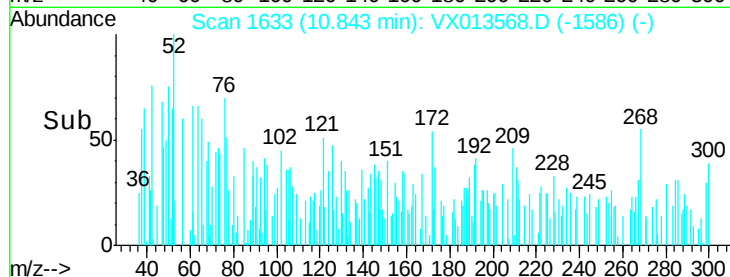
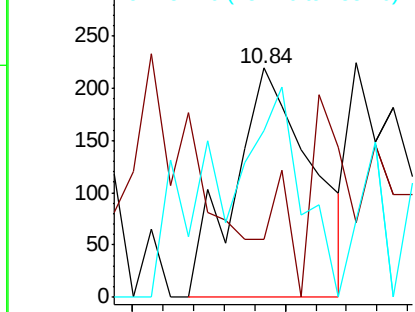
#71
Bromoform
Concen: 3.259 ug/l
RT: 10.84 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VX013568.D
Acq: 23 Nov 2019 05:32

Instrument :
MSVOA_X
ClientSampleId :
MH-121.5N-20191121

Tot Ion:173 Resp: 387
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 100.8 0.2 0.2#

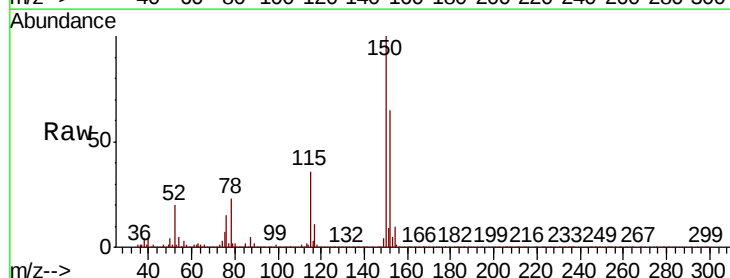


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

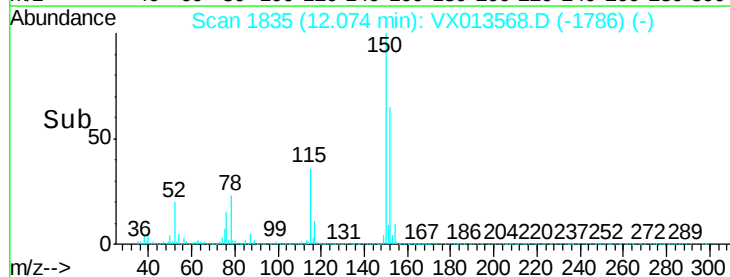
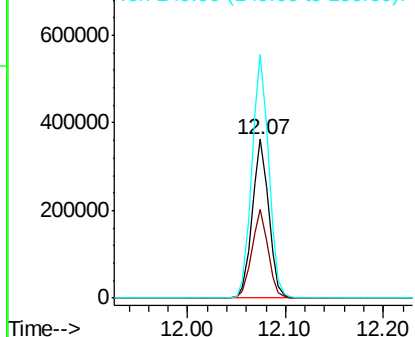


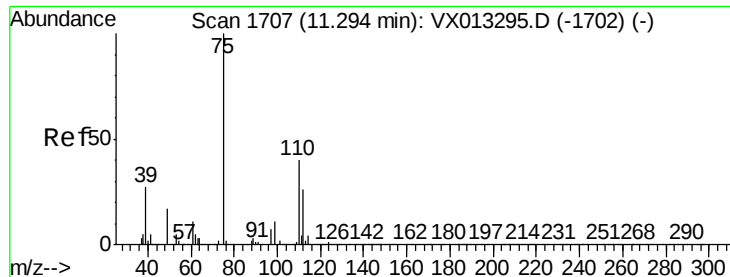
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013568.D
Acq: 23 Nov 2019 05:32

Tgt Ion:152 Resp: 424287
Ion Ratio Lower Upper
152 100
115 55.2 39.5 118.3
150 156.1 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: 23.677 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

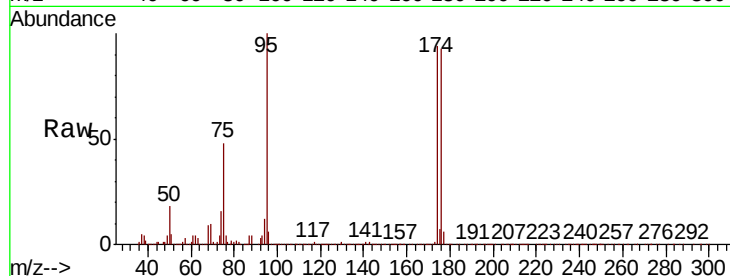
MH-121.5N-20191121

Tot Ion: 75 Resp: 204047

Ion Ratio Lower Upper

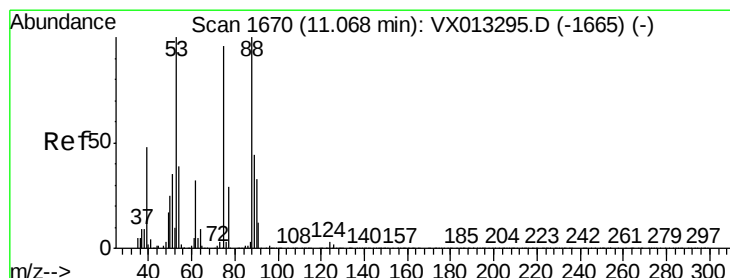
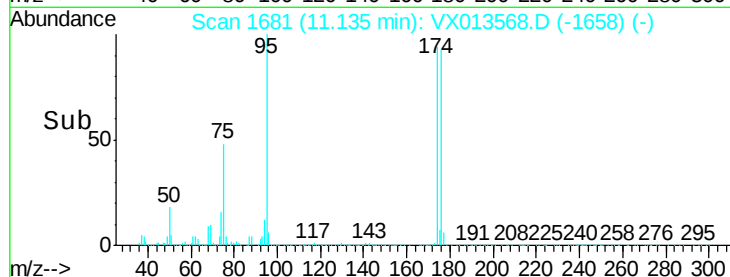
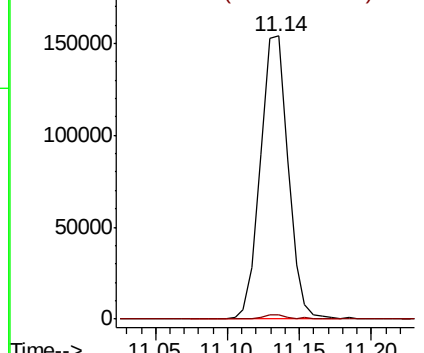
75 100

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: 60.772 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

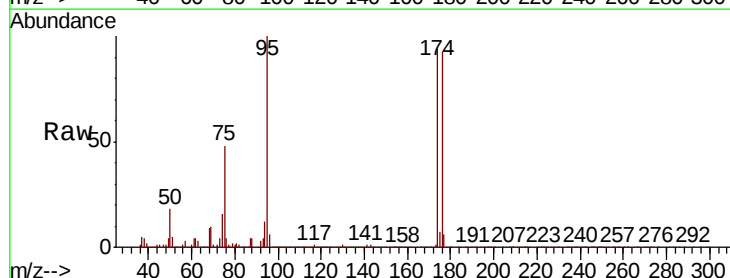
Tgt Ion: 75 Resp: 203469

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

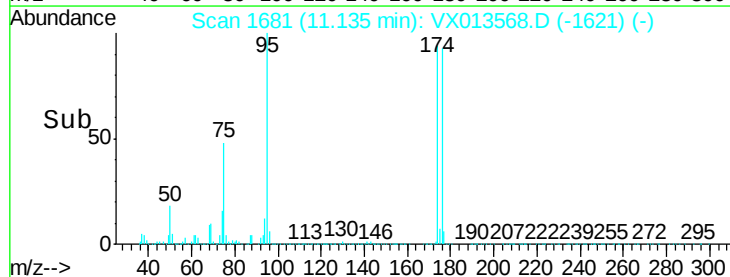
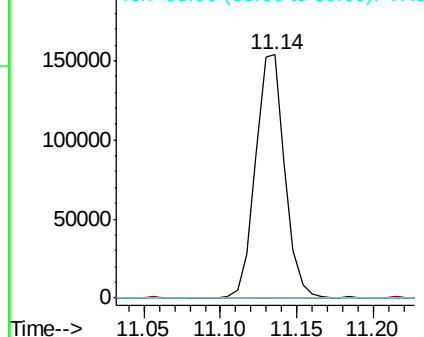
89 0.1 36.0 54.0#

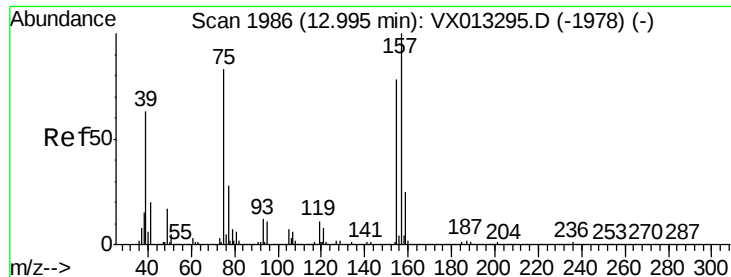


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.431 ug/l

RT: 12.99 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VX013568.D

Acq: 23 Nov 2019 05:32

Instrument :

MSVOA_X

ClientSampleId :

MH-121.5N-20191121

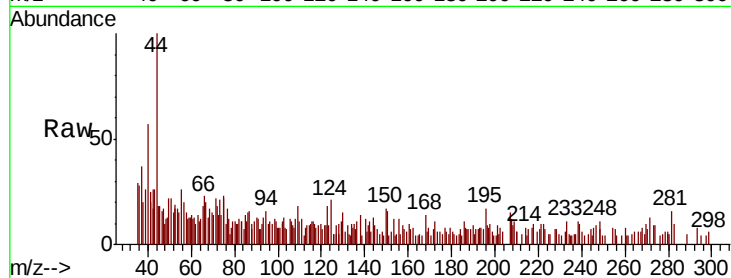
Tot Ion: 75 Resp: 1077

Ion Ratio Lower Upper

75 100

155 0.0 47.1 141.4#

157 24.1 61.3 183.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

