

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\
 Data File : VX013593.D
 Acq On : 25 Nov 2019 19:53
 Operator : JC/SP
 Sample : K5968-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20191121

Quant Time: Nov 26 03:17:51 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	671965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1098312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	981150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	446584	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	401344	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	5.49	113	325028	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.71	98	1299752	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	441625	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

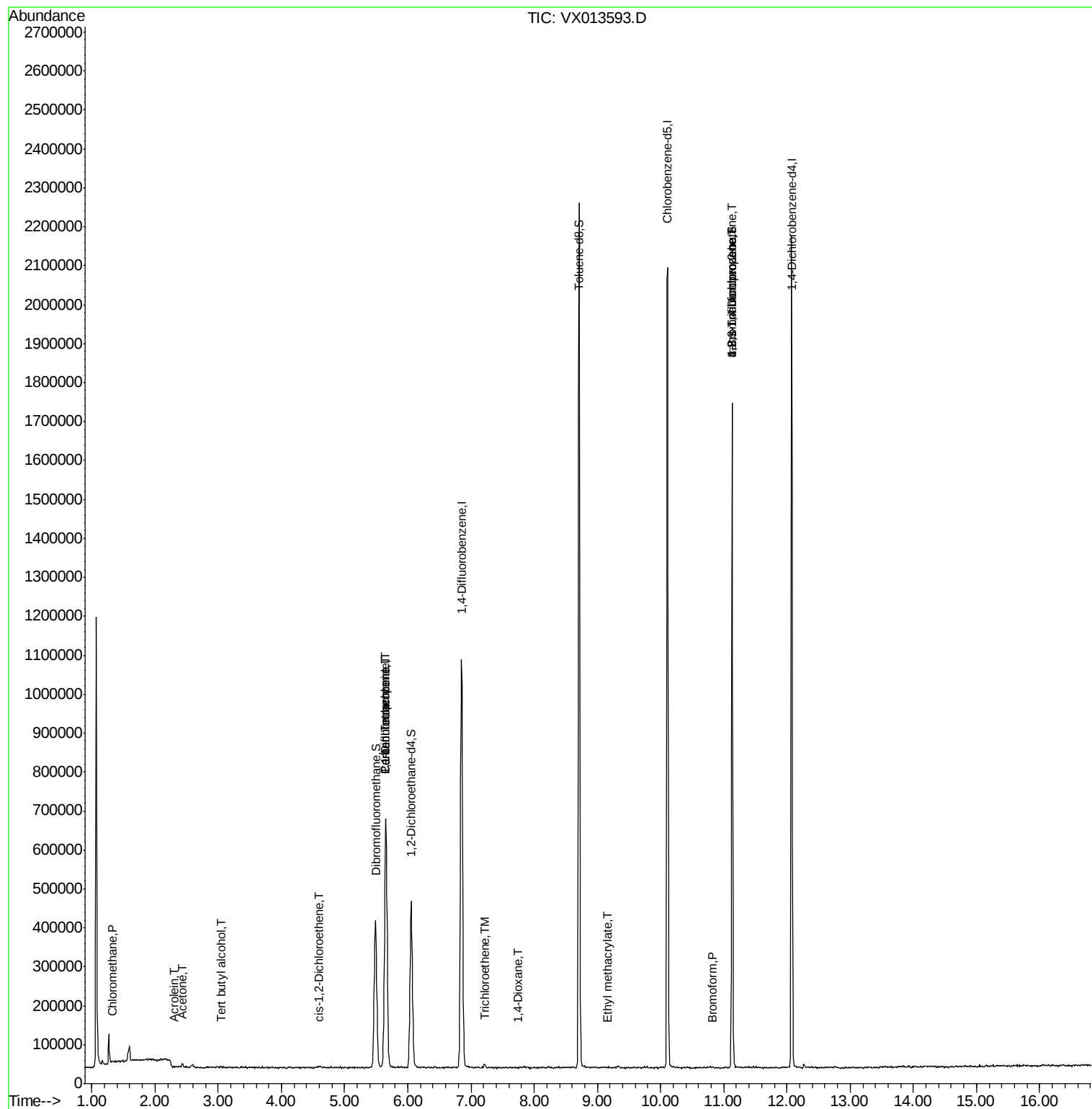
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2116	0.252	ug/l #	87
6) Chloroethane	1.66	64	2217	Below Cal	#	49
11) Tert butyl alcohol	3.05	59	530	0.253	ug/l #	1
13) Acrolein	2.29	56	512	0.450	ug/l #	14
16) Acetone	2.43	43	9384	2.363	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	1987	0.264	ug/l	35
36) 1,1-Dichloropropene	5.65	75	47963	5.090	ug/l #	51
38) Carbon Tetrachloride	5.65	117	58597	6.360	ug/l #	16
44) Trichloroethene	7.22	130	3518	0.435	ug/l	95
49) 1,4-Dioxane	7.74	88	390	1.882	ug/l #	15
56) Ethyl methacrylate	9.17	69	532	1.603	ug/l #	1
71) Bromoform	10.82	173	309	3.245	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	215661	23.776	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	215661	61.198	ug/l #	9

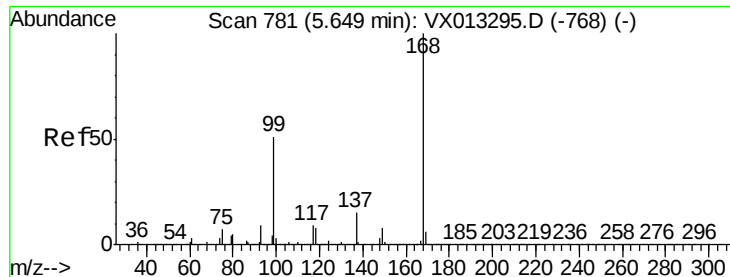
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

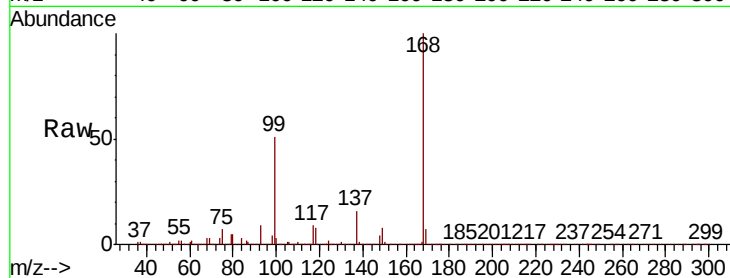
MH-140B-20191121

Tot Ion:168 Resp: 671965

Ion Ratio Lower Upper

168 100

99 51.1 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

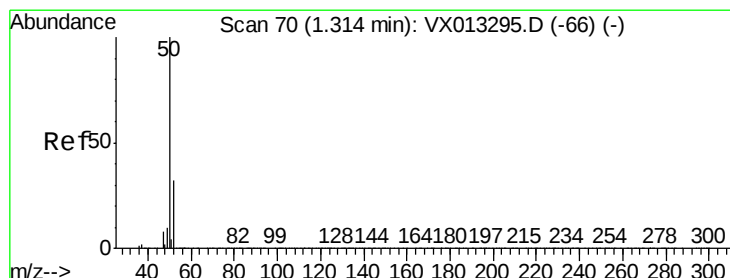
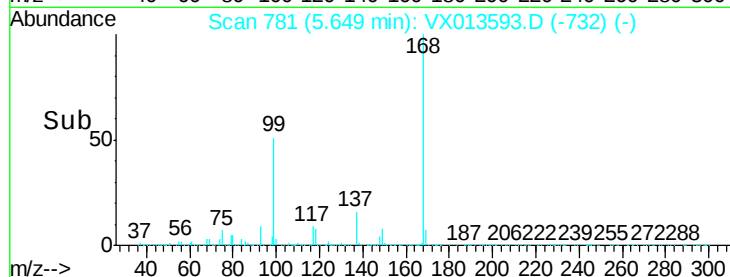
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013593.D

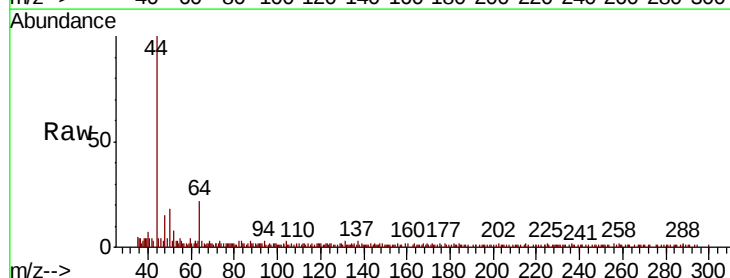
Acq: 25 Nov 2019 19:53

Tgt Ion: 50 Resp: 2116

Ion Ratio Lower Upper

50 100

52 39.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

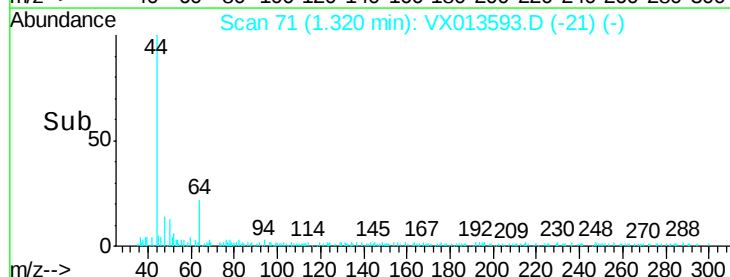
1000

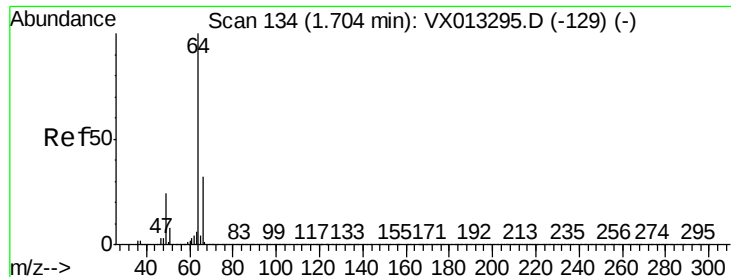
500

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

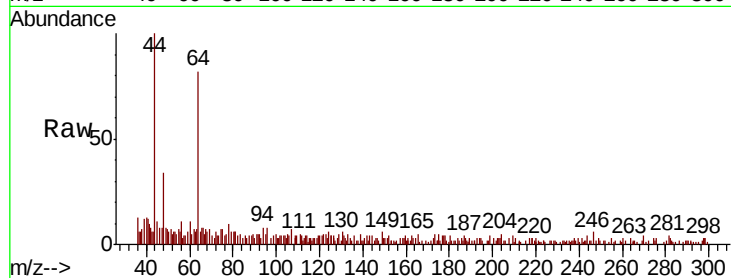
MH-140B-20191121

Tot Ion: 64 Resp: 2217

Ion Ratio Lower Upper

64 100

66 3.4 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

4000

3000

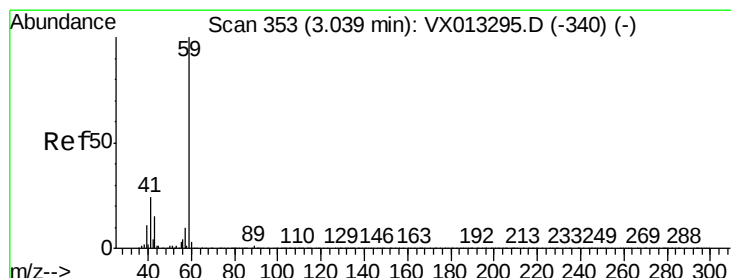
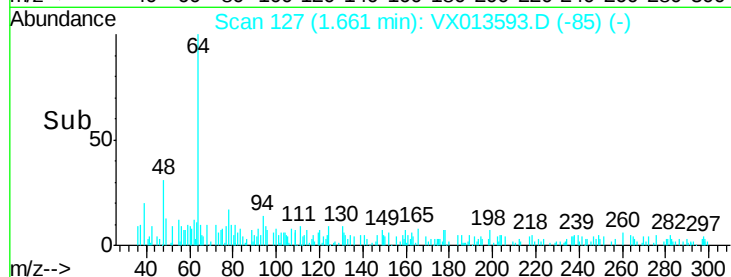
2000

1000

0

Time-->

1.62 1.64 1.66 1.68



#11

Tert butyl alcohol

Concen: 0.253 ug/l

RT: 3.05 min Scan# 355

Delta R.T. 0.01 min

Lab File: VX013593.D

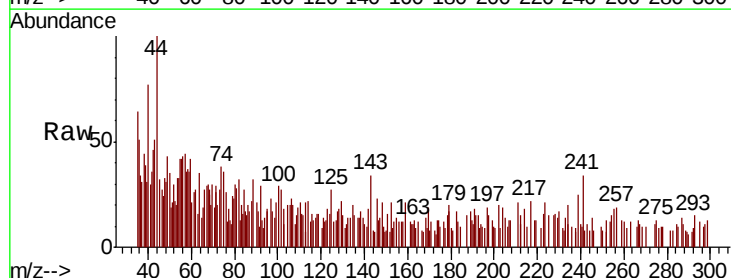
Acq: 25 Nov 2019 19:53

Tgt Ion: 59 Resp: 530

Ion Ratio Lower Upper

59 100

57 52.3 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

800

600

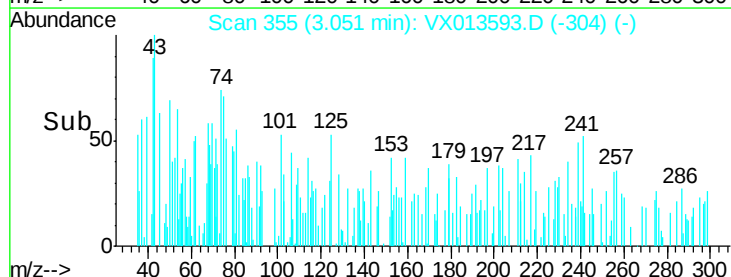
400

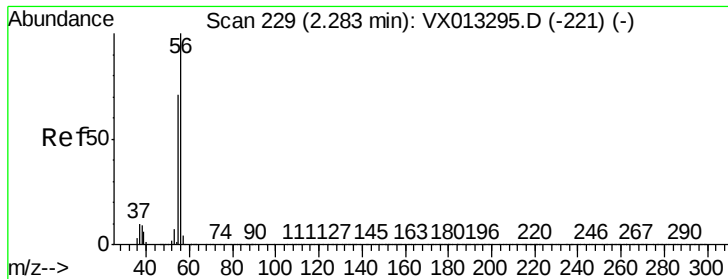
200

0

Time-->

3.02 3.04 3.06





#13

Acrolein

Concen: 0.450 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

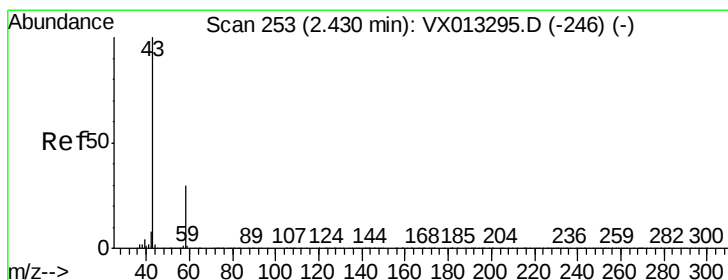
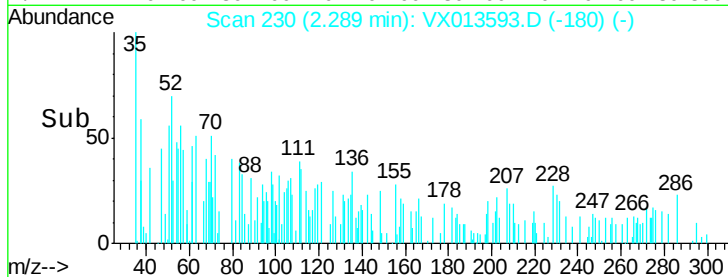
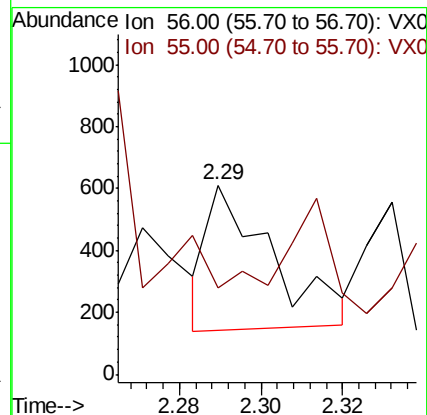
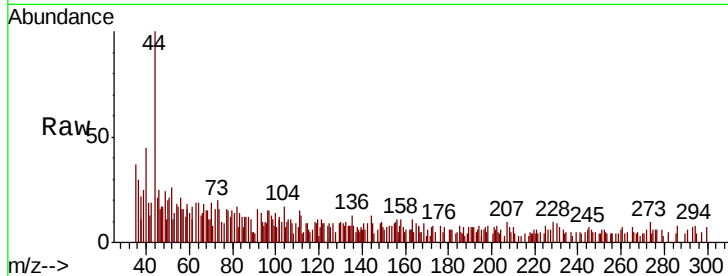
MH-140B-20191121

Tot Ion: 56 Resp: 512

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#16

Acetone

Concen: 2.363 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013593.D

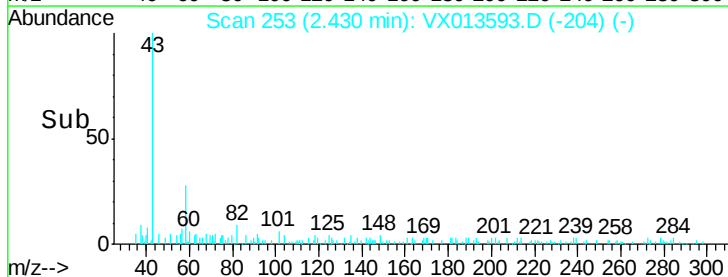
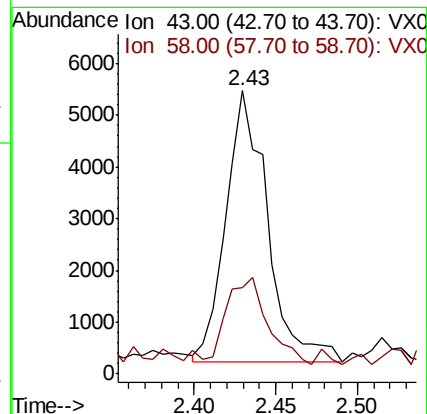
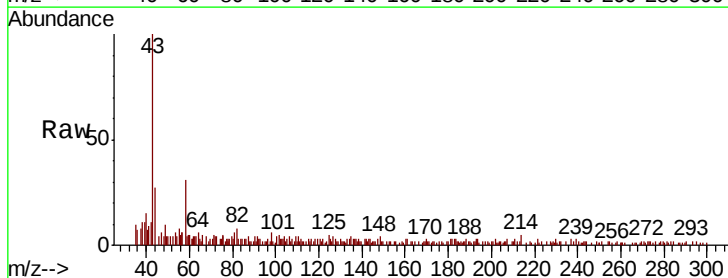
Acq: 25 Nov 2019 19:53

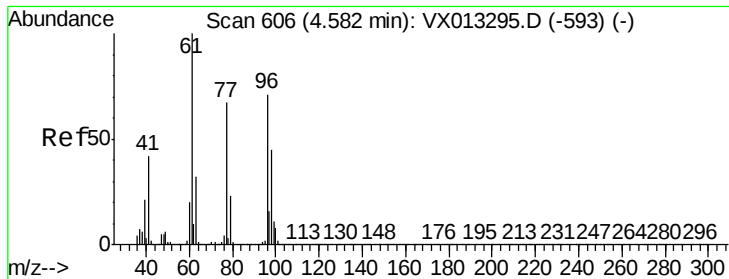
Tgt Ion: 43 Resp: 9384

Ion Ratio Lower Upper

43 100

58 28.6 24.3 36.5



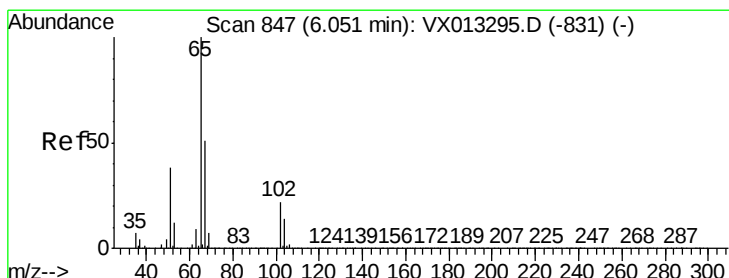
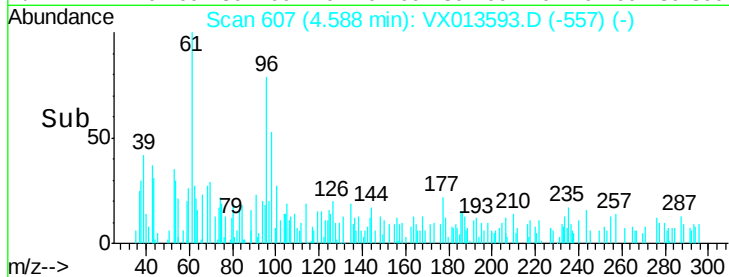
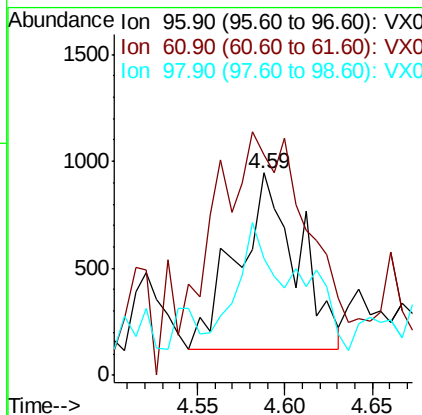
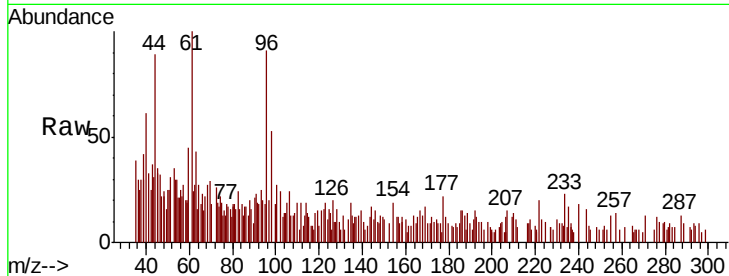


#27

cis-1,2-Dichloroethene
Concen: 0.264 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013593.D
Acq: 25 Nov 2019 19:53

Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20191121

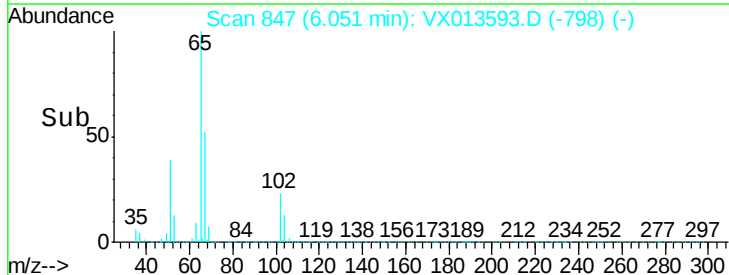
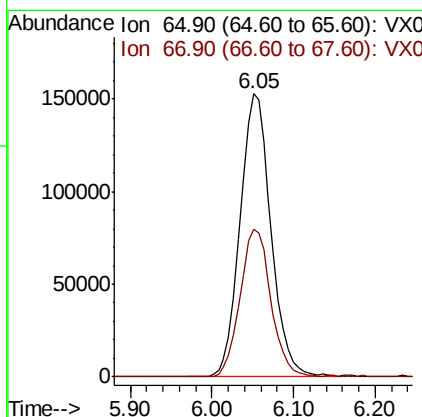
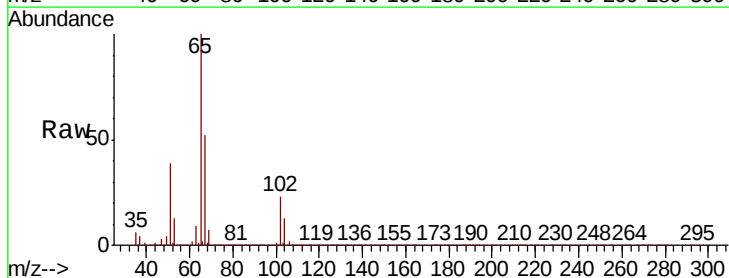
Tot Ion	Ratio	Lower	Upper
96	100		
61	238.5	0.0	288.0
98	33.3	0.0	129.6

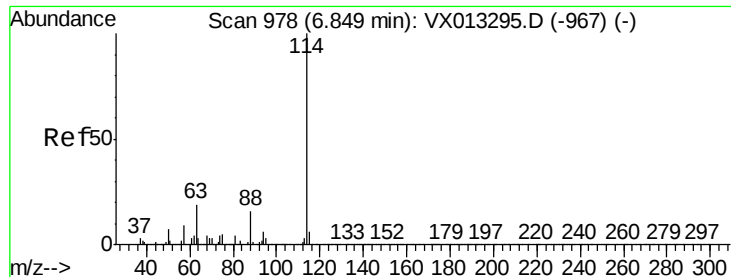


#33

1,2-Dichloroethane-d4
Concen: 50.415 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013593.D
Acq: 25 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	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: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20191121

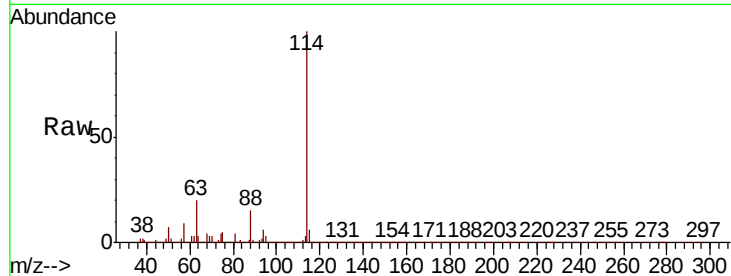
Tot Ion:114 Resp: 1098312

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

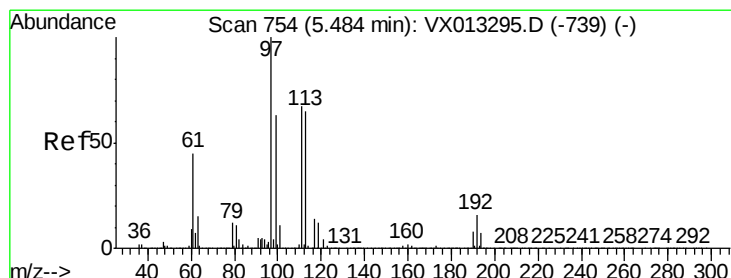
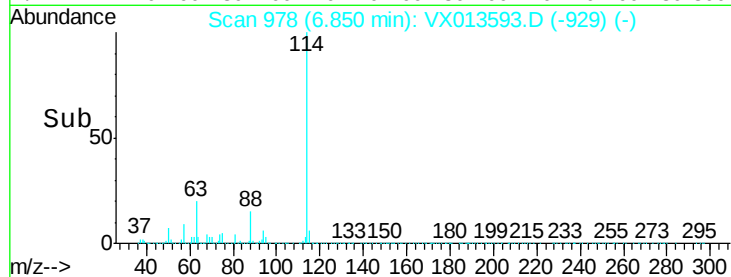
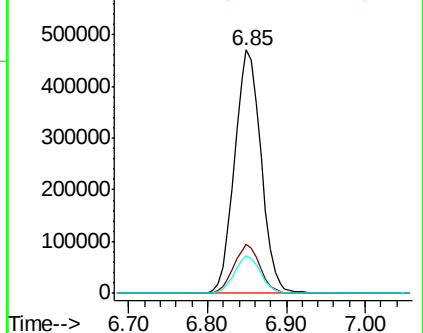
88 15.2 0.0 32.2



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: 47.182 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

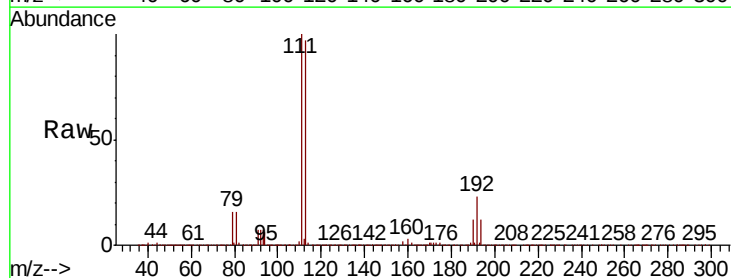
Tgt Ion:113 Resp: 325028

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

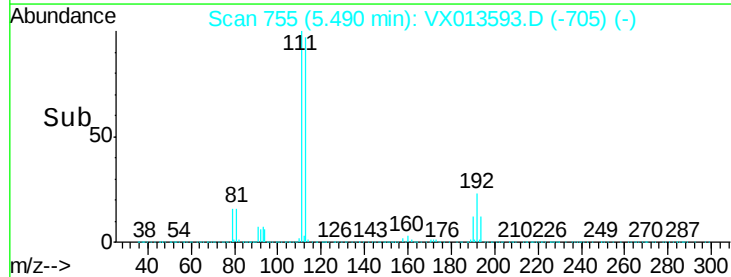
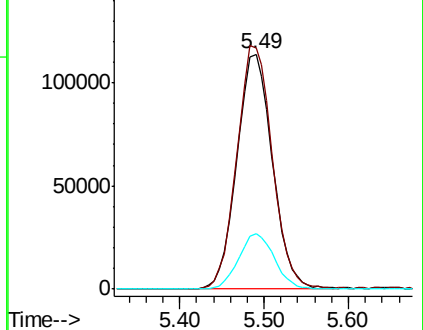
192 23.8 19.1 28.7

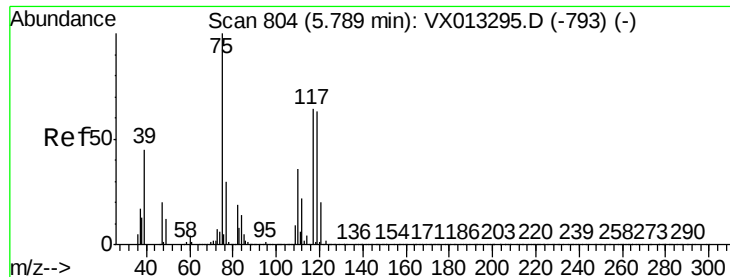


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.090 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20191121

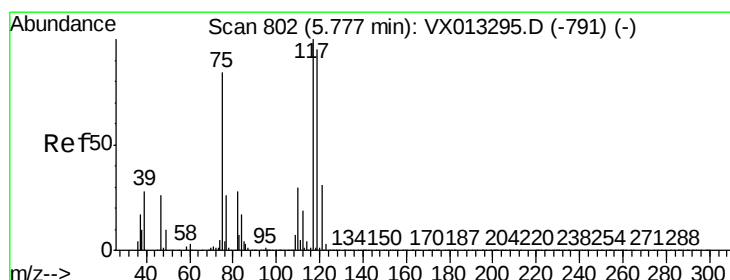
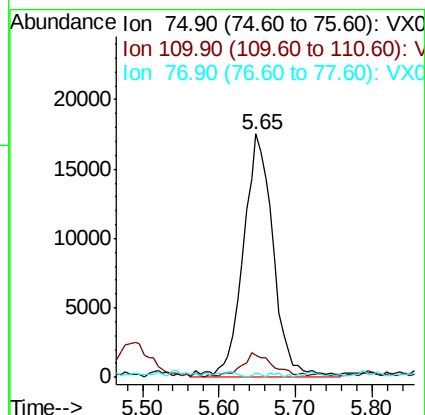
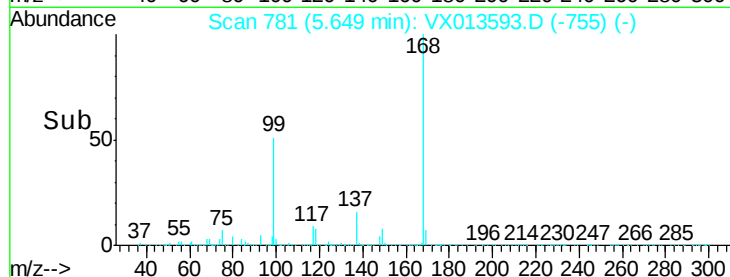
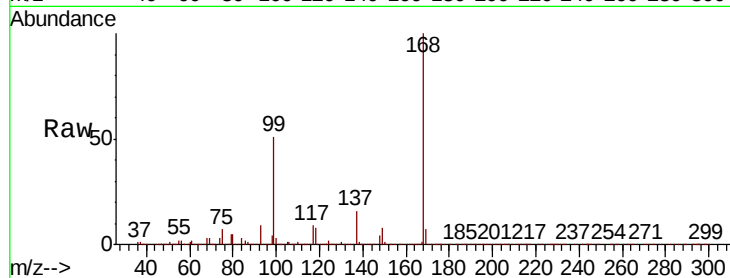
Tot Ion: 75 Resp: 47963

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

77 0.5 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.360 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

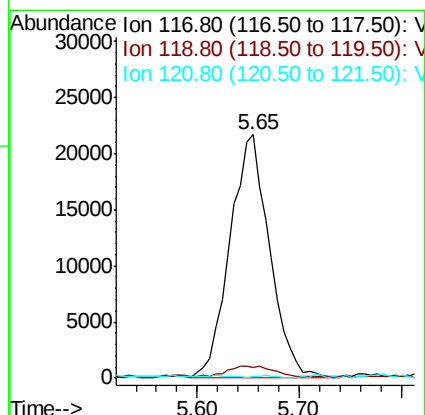
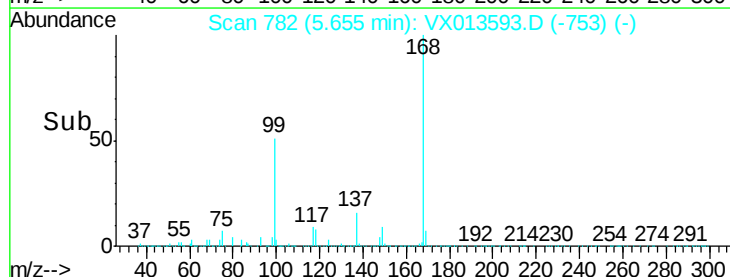
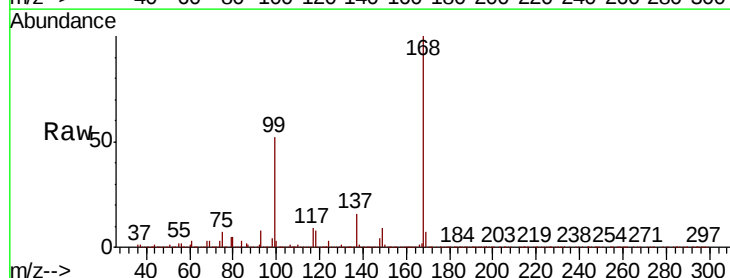
Tgt Ion: 117 Resp: 58597

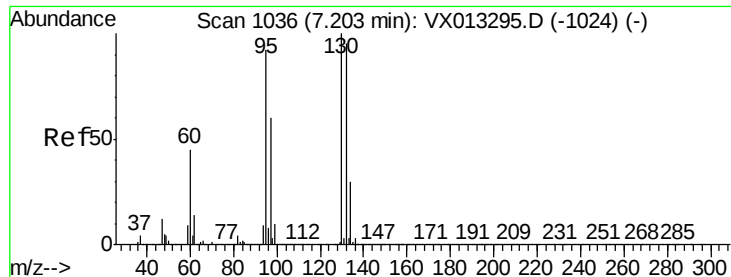
Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

121 0.5 24.6 37.0#





#44

Trichloroethene

Concen: 0.435 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

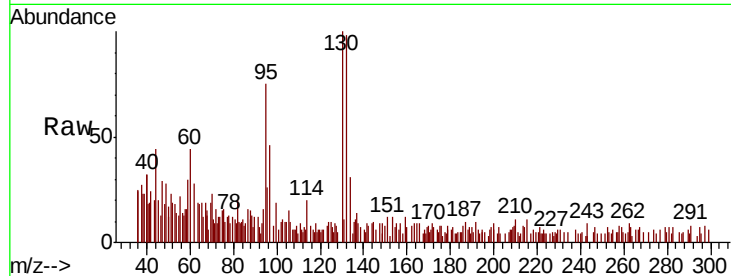
MH-140B-20191121

Tot Ion:130 Resp: 3518

Ion Ratio Lower Upper

130 100

95 87.8 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1500

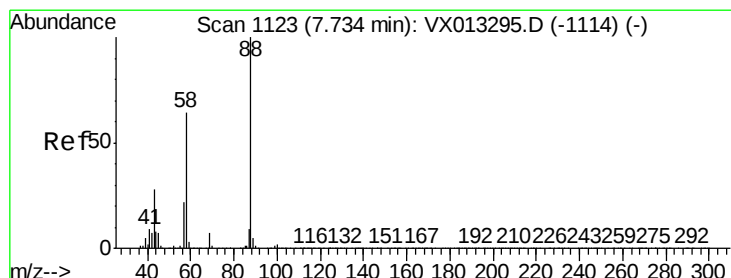
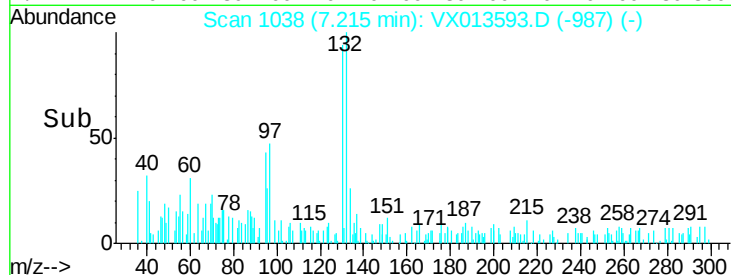
1000

500

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 1.882 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

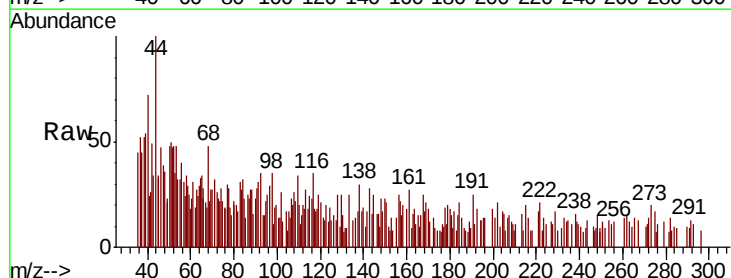
Tgt Ion: 88 Resp: 390

Ion Ratio Lower Upper

88 100

43 119.2 26.6 39.8#

58 111.3 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

800

600

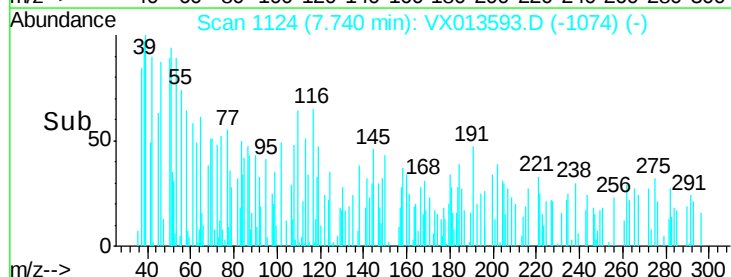
400

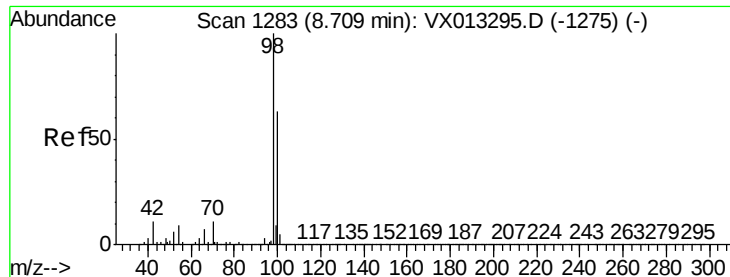
200

0

7.72 7.74 7.76

Time-->





#50

Toluene-d8

Concen: 50.048 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

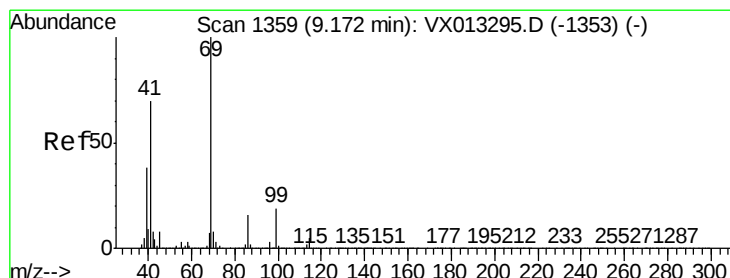
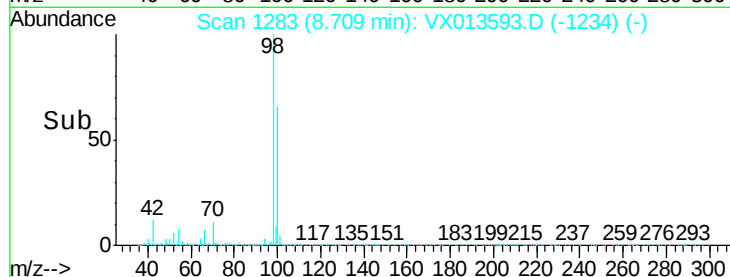
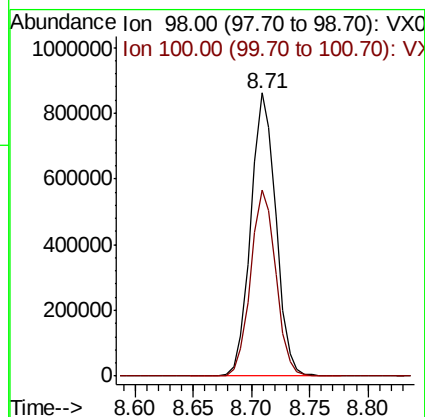
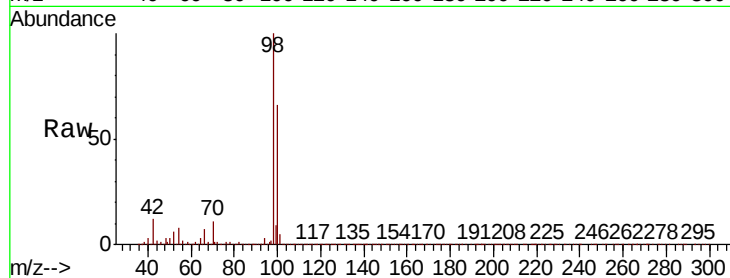
MH-140B-20191121

Tot Ion: 98 Resp: 1299752

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.603 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

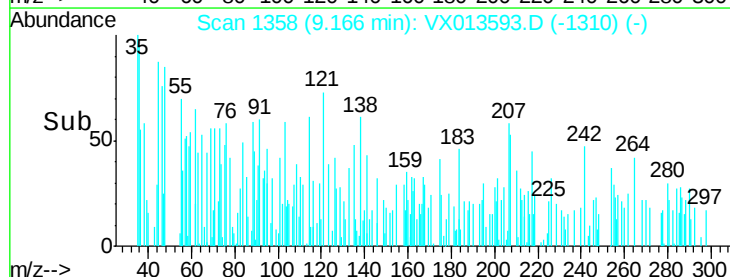
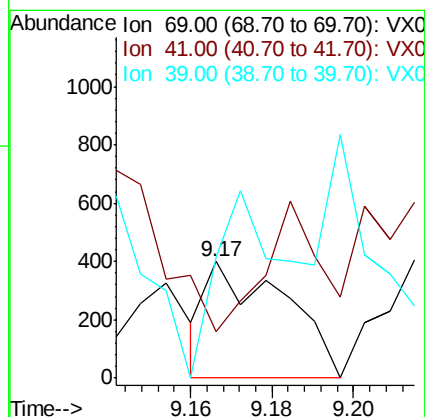
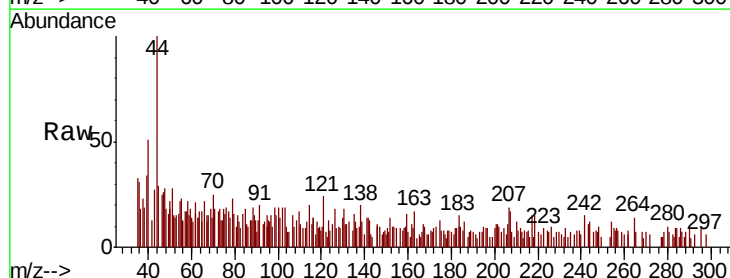
Tgt Ion: 69 Resp: 532

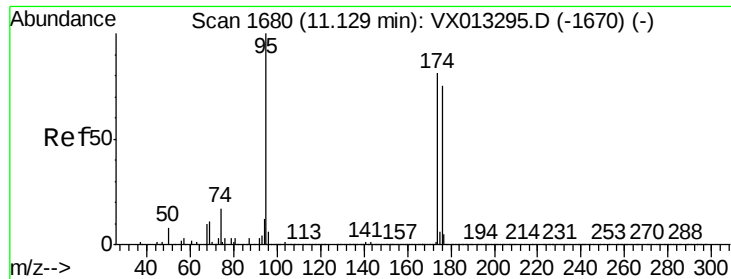
Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 154.9 31.1 46.7#

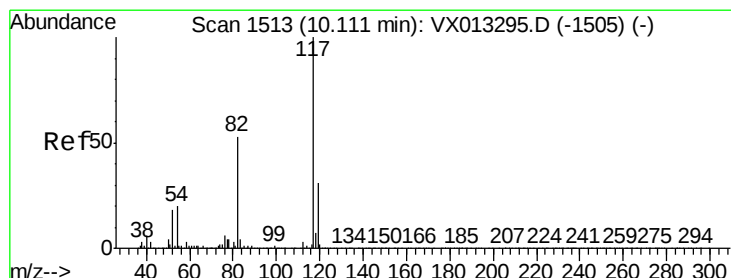
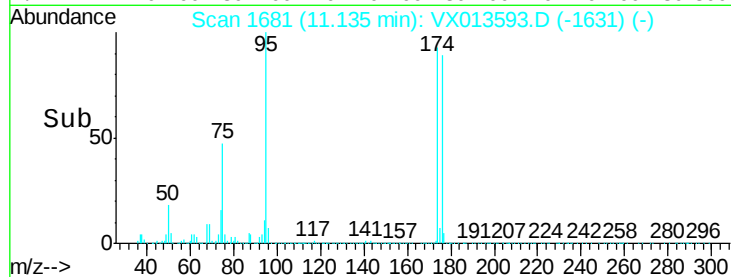
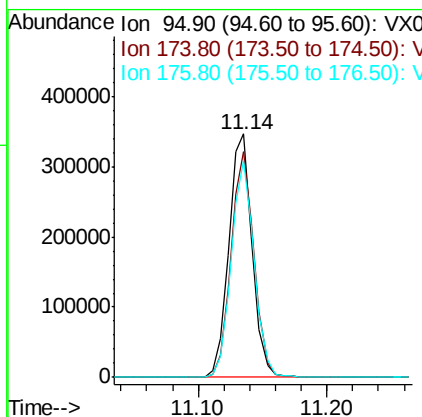
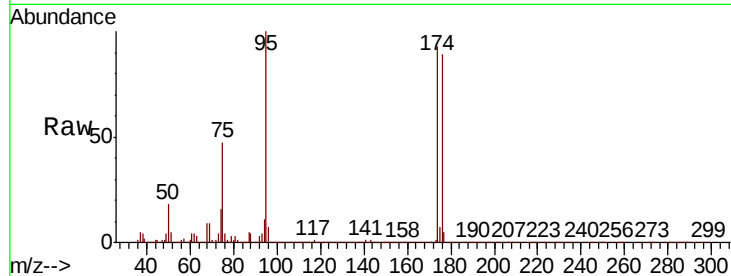




#62
4-Bromofluorobenzene
Concen: 47.118 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013593.D
Acq: 25 Nov 2019 19:53

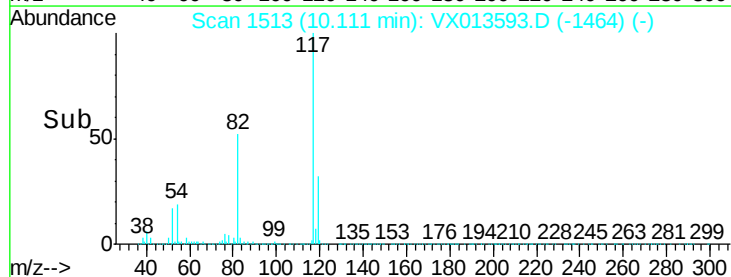
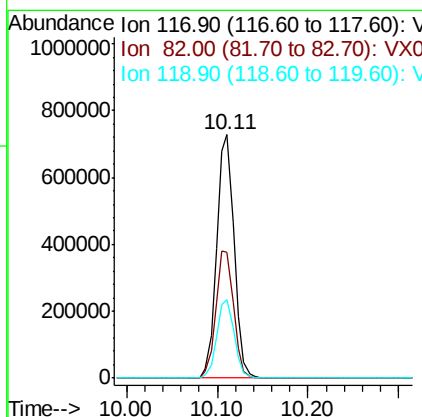
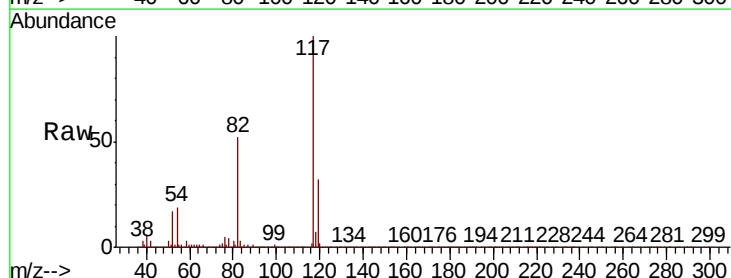
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20191121

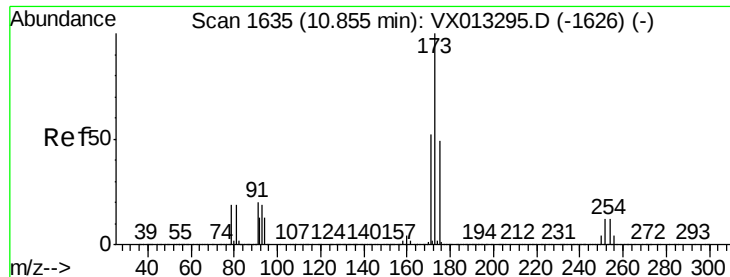
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	179.8
176	86.8	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013593.D
Acq: 25 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.6	64.0
119	32.2	24.8	37.2

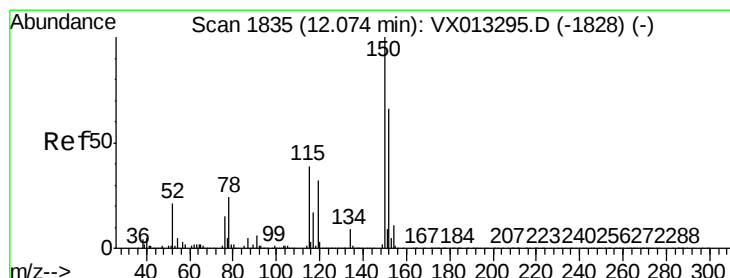
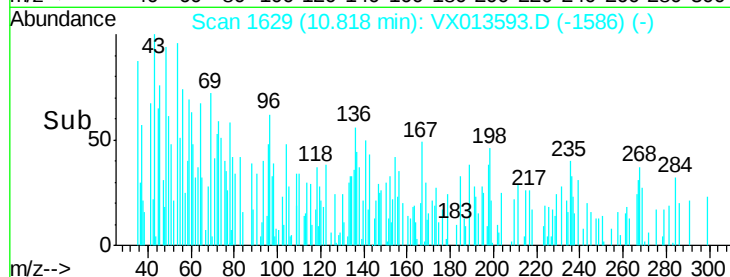
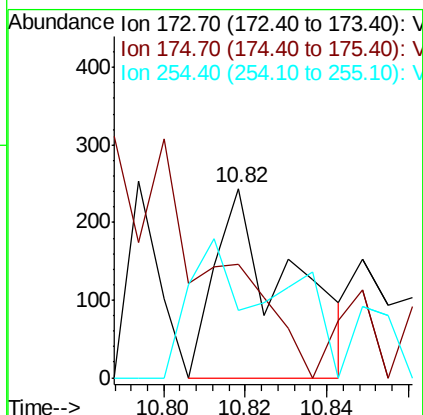
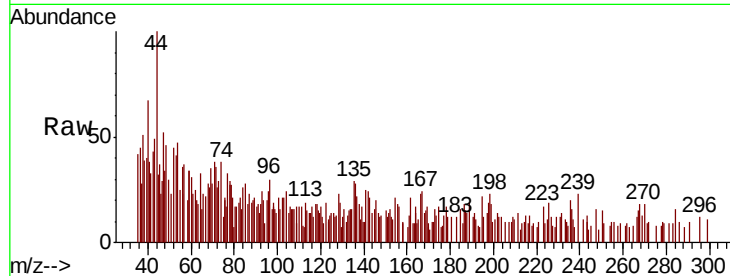




#71
Bromoform
Concen: 3.245 ug/l
RT: 10.82 min Scan# 1629
Delta R.T. -0.04 min
Lab File: VX013593.D
Acq: 25 Nov 2019 19:53

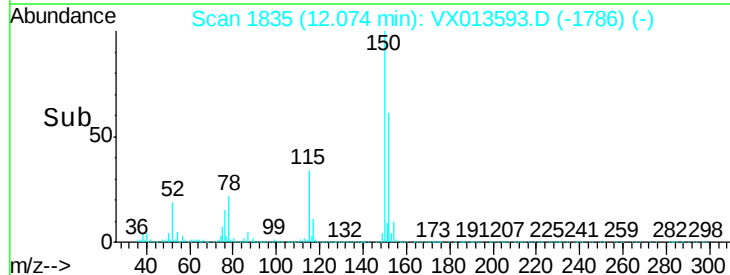
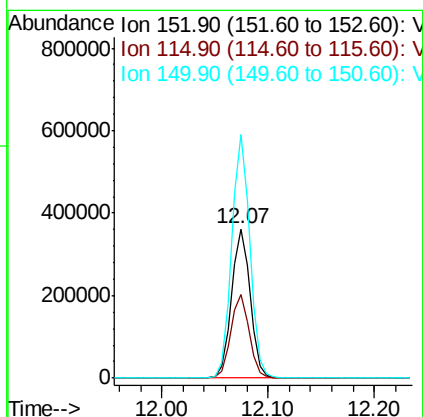
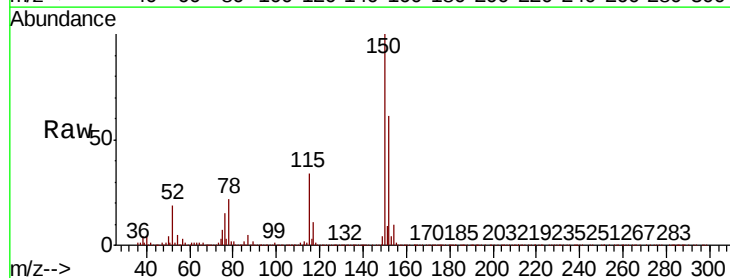
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20191121

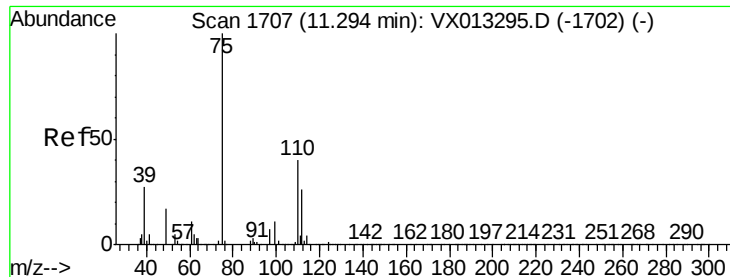
Tot Ion:173 Resp: 309
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 57.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013593.D
Acq: 25 Nov 2019 19:53

Tgt Ion:152 Resp: 446584
Ion Ratio Lower Upper
152 100
115 55.2 39.5 118.3
150 158.3 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 23.776 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

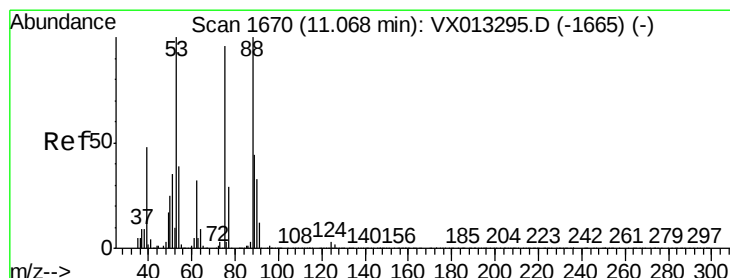
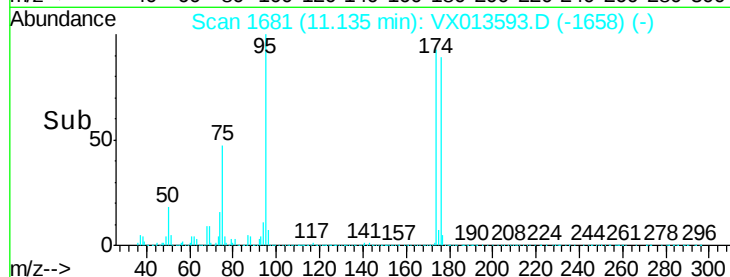
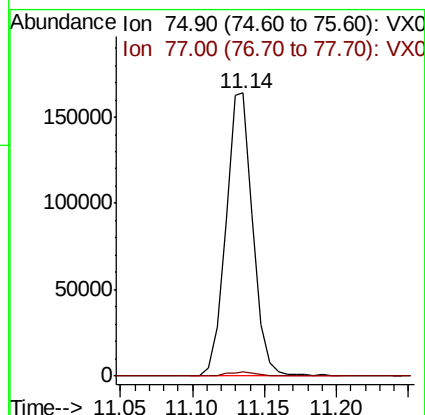
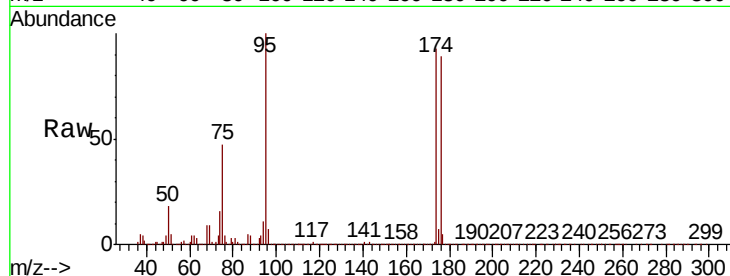
MH-140B-20191121

Tot Ion: 75 Resp: 215661

Ion Ratio Lower Upper

75 100

77 1.9 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.198 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013593.D

Acq: 25 Nov 2019 19:53

Tgt Ion: 75 Resp: 215661

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 36.0 54.0#

