

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013566.D
 Acq On : 23 Nov 2019 04:46
 Operator : JC/SP
 Sample : K5968-06 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-118.5N-20191121

Quant Time: Nov 23 05:26:02 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	636410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1029934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	920047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	414942	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	385724	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	5.49	113	311995	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.71	98	1238764	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.14	95	410962	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

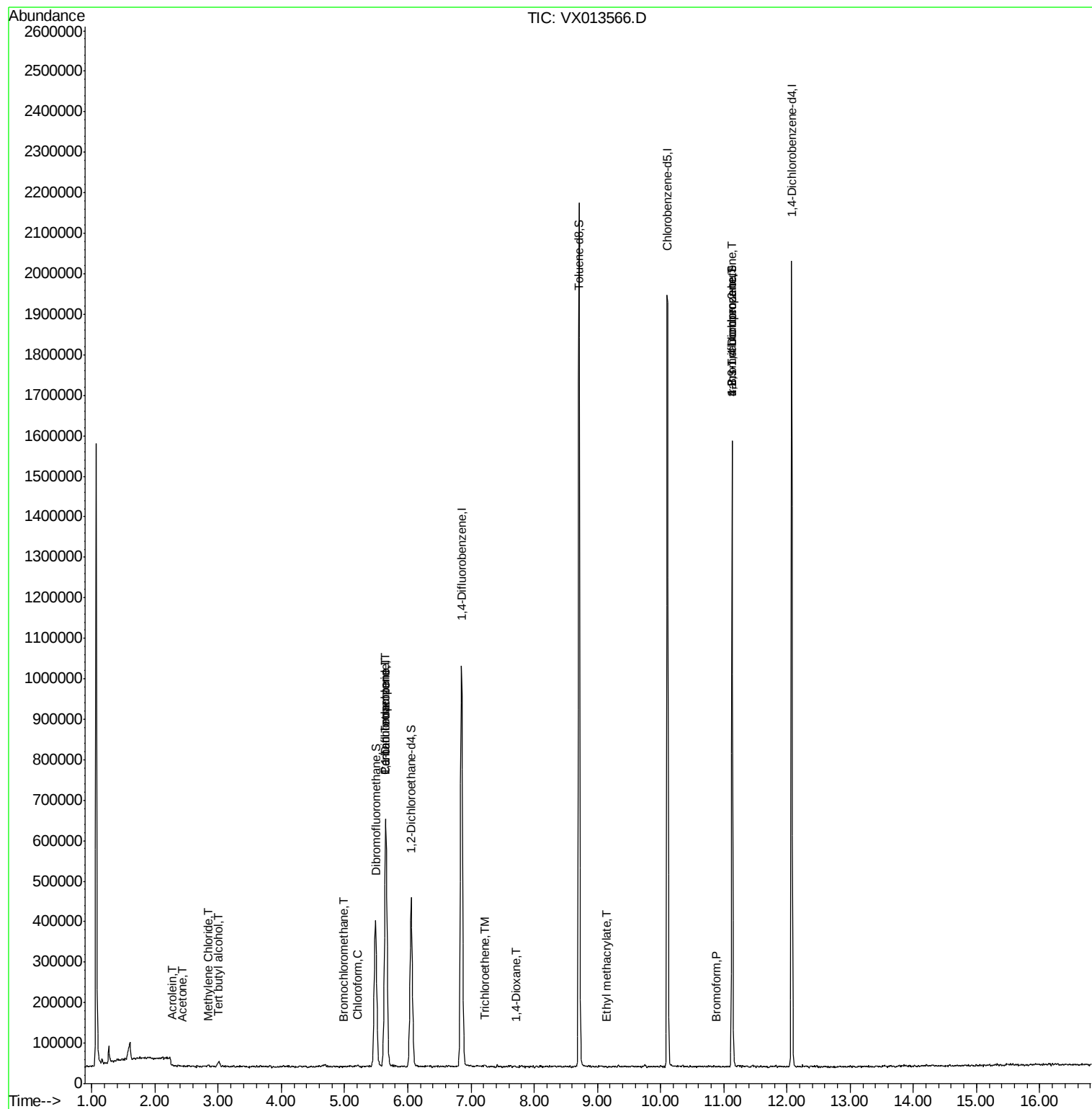
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.66	64	2193	Below Cal		91
11) Tert butyl alcohol	3.01	59	9145	4.602	ug/l #	89
13) Acrolein	2.27	56	262	0.243	ug/l #	14
16) Acetone	2.43	43	1350	0.359	ug/l #	7
20) Methylene Chloride	2.85	84	2071	0.298	ug/l #	63
28) Bromochloromethane	5.00	49	934	0.287	ug/l #	12
30) Chloroform	5.21	83	3781	0.334	ug/l	92
36) 1,1-Dichloropropene	5.65	75	43513	4.925	ug/l #	50
38) Carbon Tetrachloride	5.65	117	55769	6.455	ug/l #	18
44) Trichloroethene	7.22	130	2274	0.300	ug/l	86
49) 1,4-Dioxane	7.73	88	394	2.027	ug/l #	26
56) Ethyl methacrylate	9.15	69	148	1.575	ug/l #	1
71) Bromoform	10.88	173	99	3.217	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	197843	23.474	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	197843	60.423	ug/l #	9

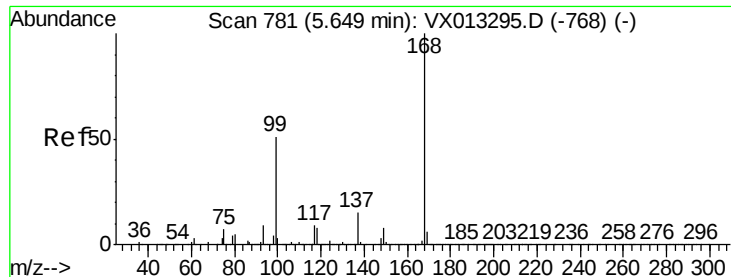
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. -0.00 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

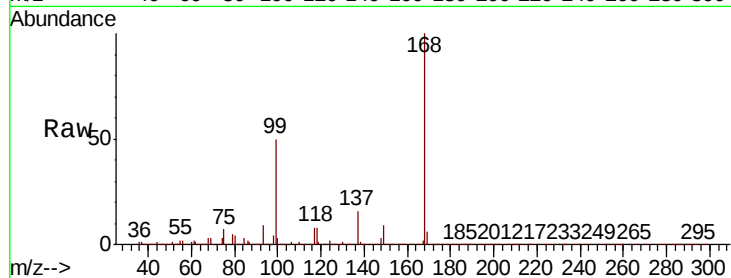
MH-118.5N-20191121

Tot Ion:168 Resp: 636410

Ion Ratio Lower Upper

168 100

99 50.3 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

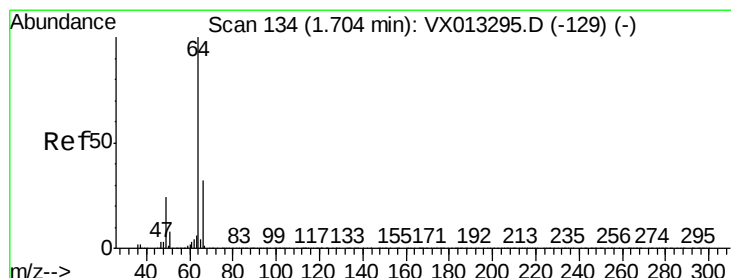
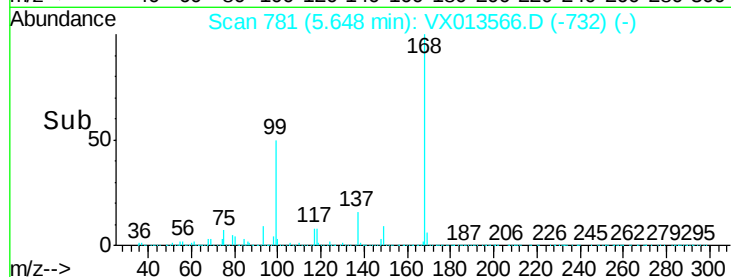
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 127

Delta R.T. -0.04 min

Lab File: VX013566.D

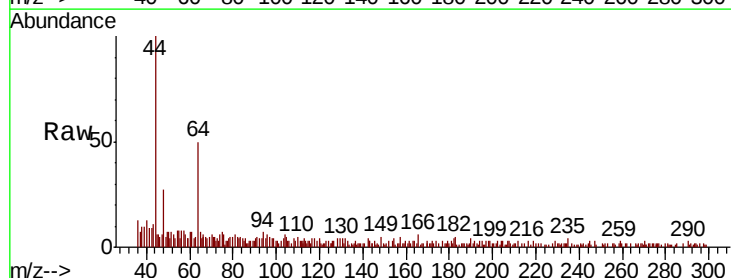
Acq: 23 Nov 2019 04:46

Tgt Ion: 64 Resp: 2193

Ion Ratio Lower Upper

64 100

66 27.1 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

3000

2500

2000

1500

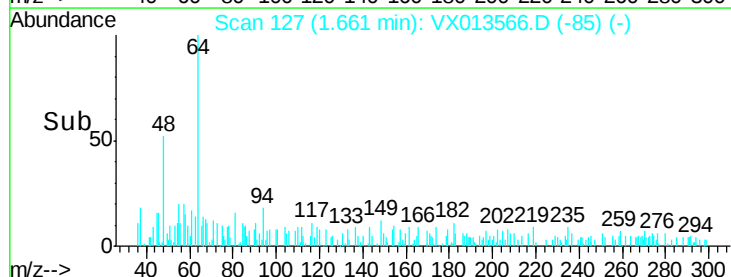
1000

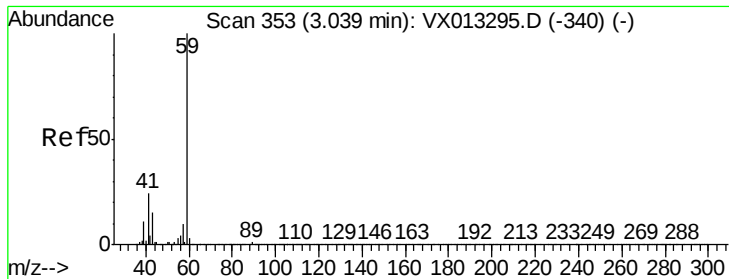
500

0

Time-->

1.60 1.65



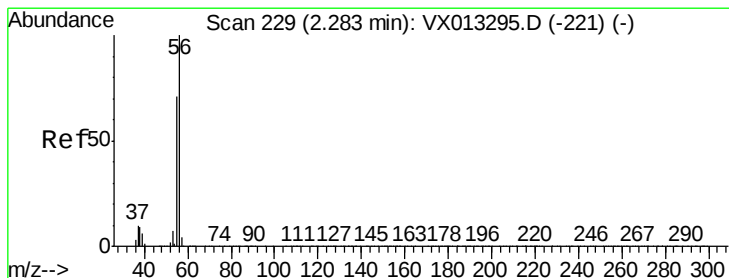
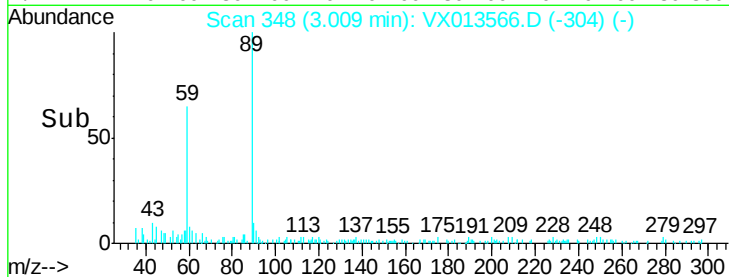
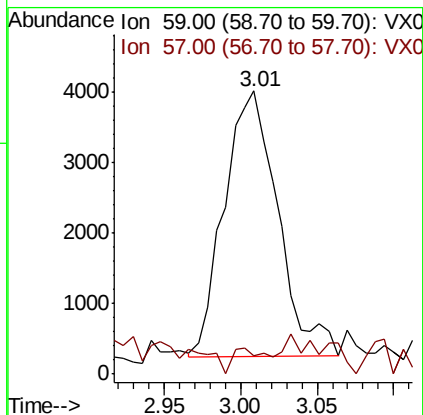
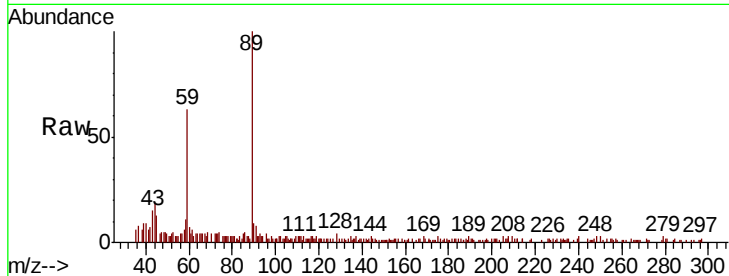


#11

Tert butyl alcohol
 Concen: 4.602 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX013566.D
 Acq: 23 Nov 2019 04:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-118.5N-20191121

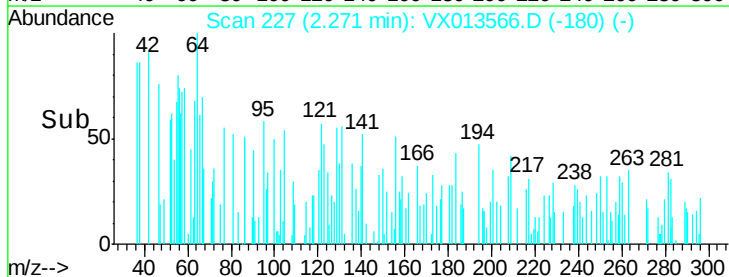
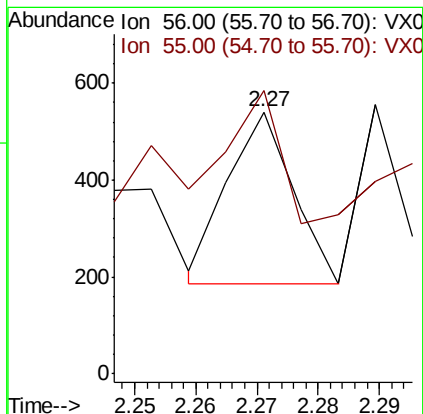
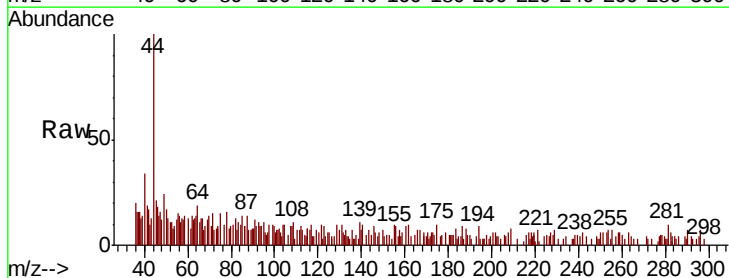
Tot Ion: 59 Resp: 9145
 Ion Ratio Lower Upper
 59 100
 57 6.1 8.0 12.0#

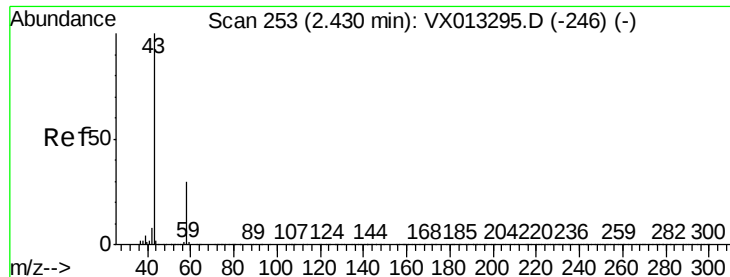


#13

Acrolein
 Concen: 0.243 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX013566.D
 Acq: 23 Nov 2019 04:46

Tgt Ion: 56 Resp: 262
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.4 86.0#





#16

Acetone

Concen: 0.359 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

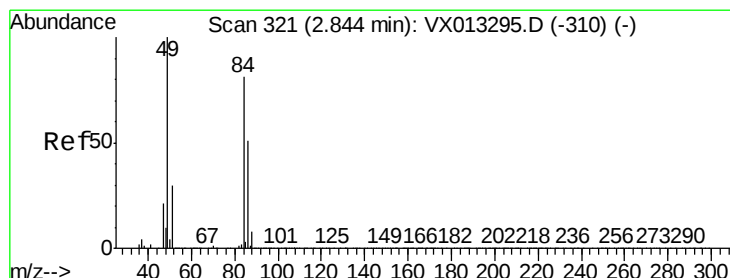
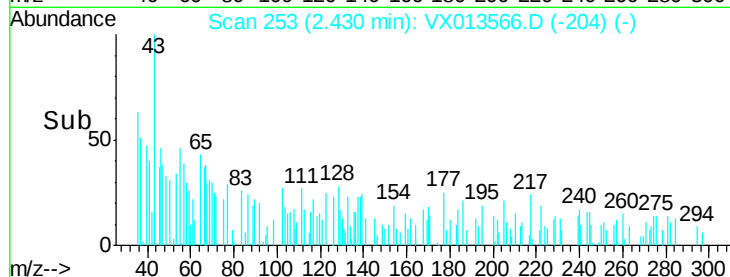
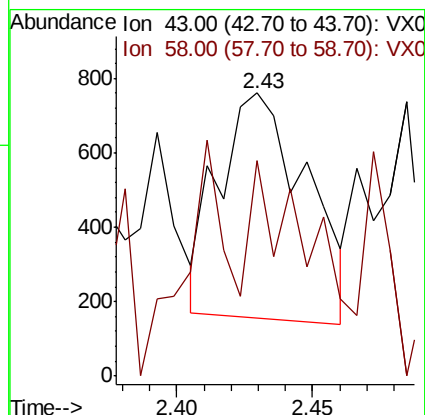
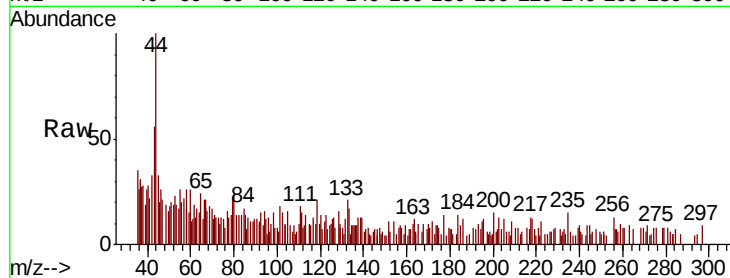
MH-118.5N-20191121

Tot Ion: 43 Resp: 1350

Ion Ratio Lower Upper

43 100

58 81.0 24.3 36.5#



#20

Methylene Chloride

Concen: 0.298 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Tgt Ion: 84 Resp: 2071

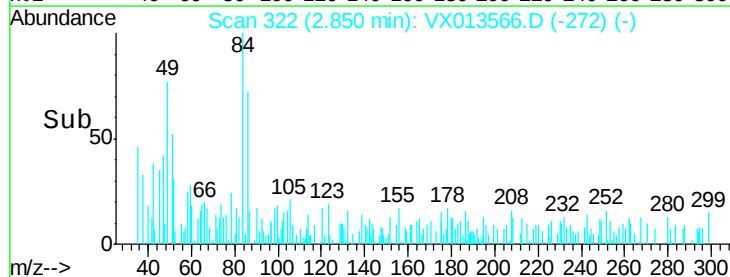
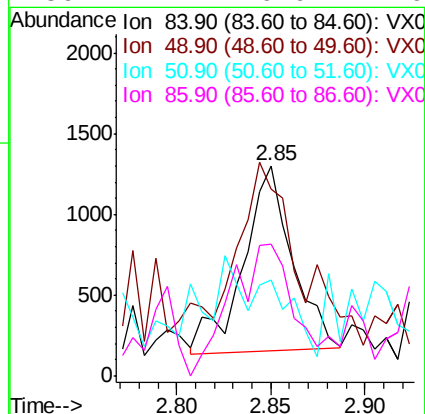
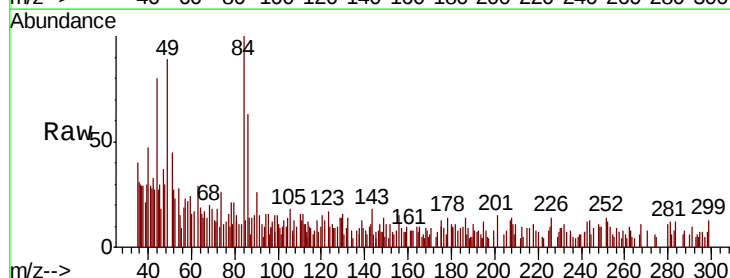
Ion Ratio Lower Upper

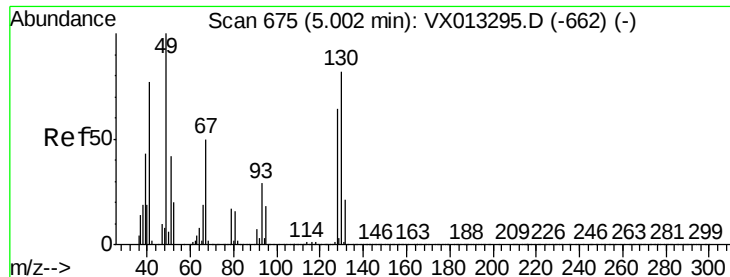
84 100

49 70.4 98.2 147.4#

51 11.7 29.9 44.9#

86 72.4 49.9 74.9





#28

Bromochloromethane

Concen: 0.287 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

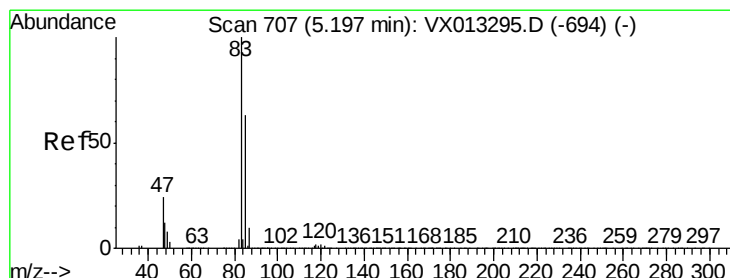
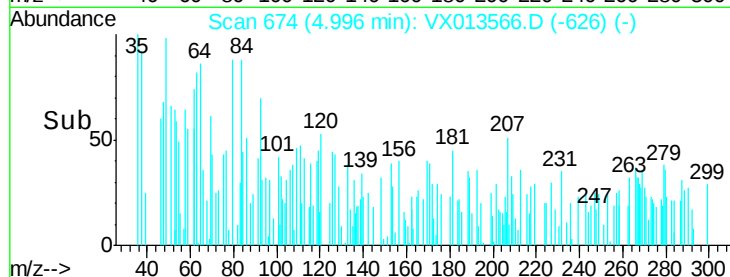
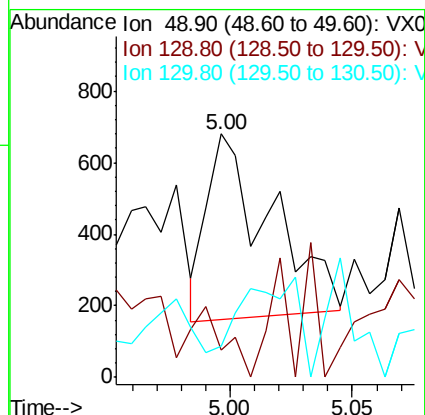
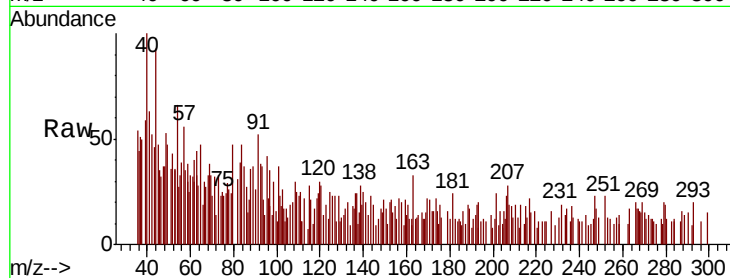
Tot Ion: 49 Resp: 934

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 0.0 63.8 95.6#



#30

Chloroform

Concen: 0.334 ug/l

RT: 5.21 min Scan# 709

Delta R.T. 0.01 min

Lab File: VX013566.D

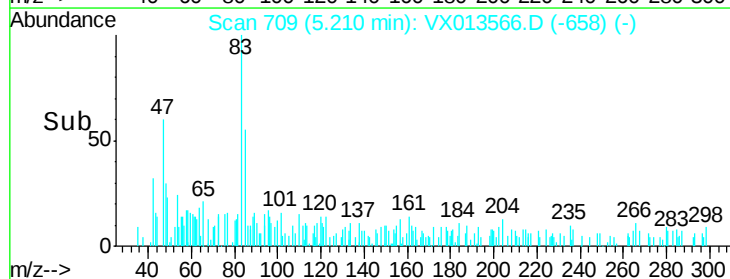
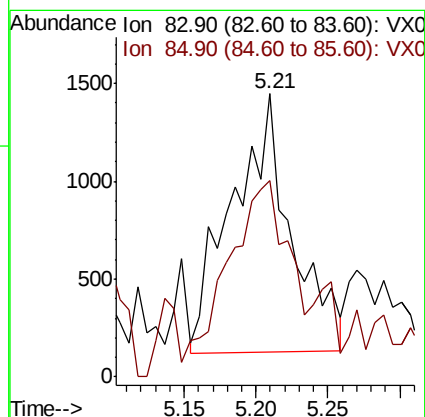
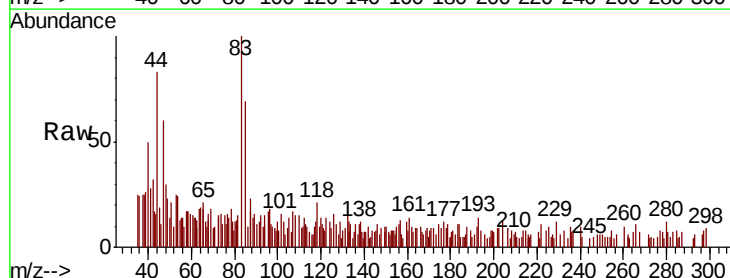
Acq: 23 Nov 2019 04:46

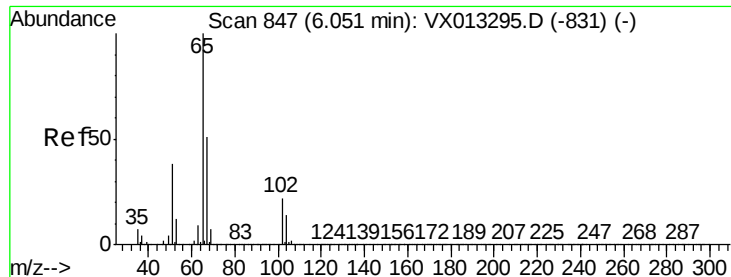
Tgt Ion: 83 Resp: 3781

Ion Ratio Lower Upper

83 100

85 69.4 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 51.160 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

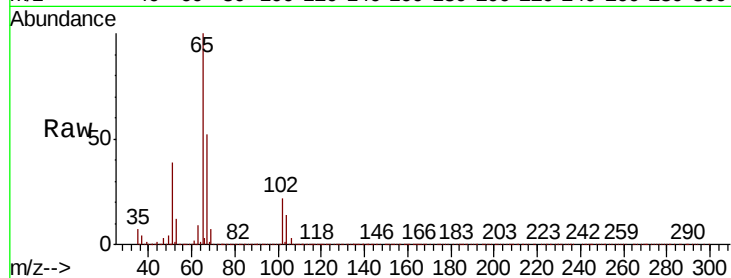
MH-118.5N-20191121

Tot Ion: 65 Resp: 385724

Ion Ratio Lower Upper

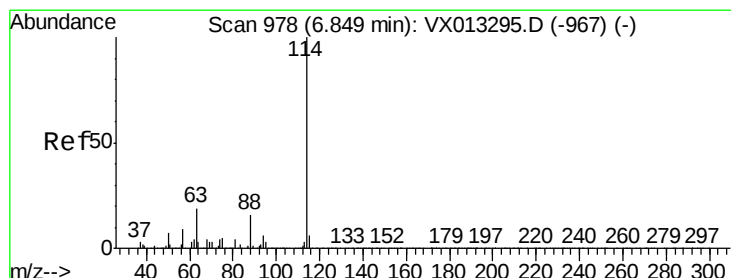
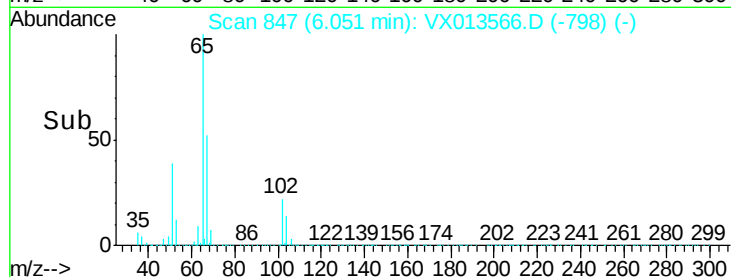
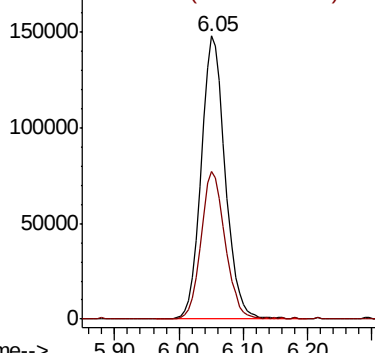
65 100

67 51.9 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: VX013566.D

Acq: 23 Nov 2019 04:46

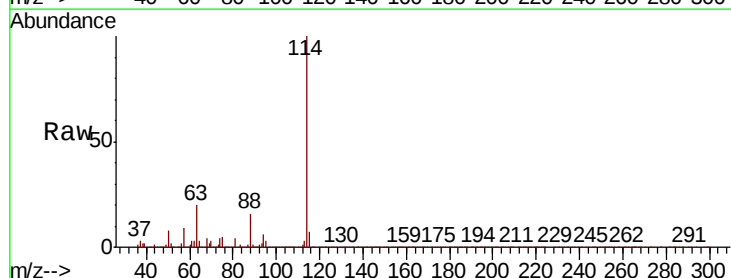
Tgt Ion: 114 Resp: 1029934

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

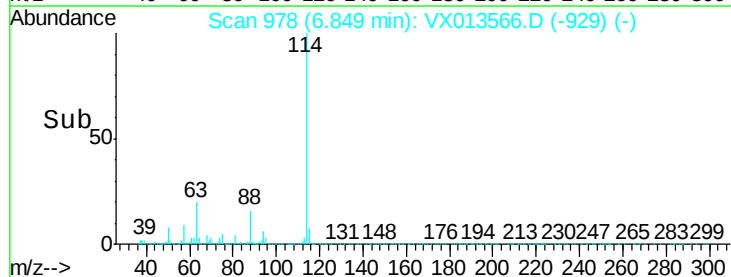
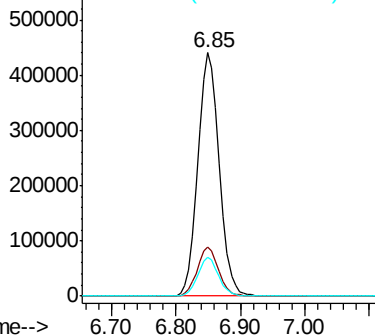
88 15.7 0.0 32.2

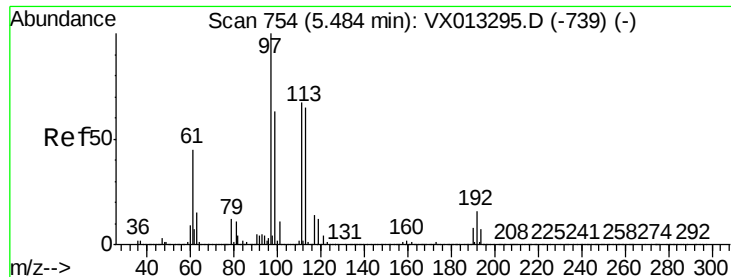


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

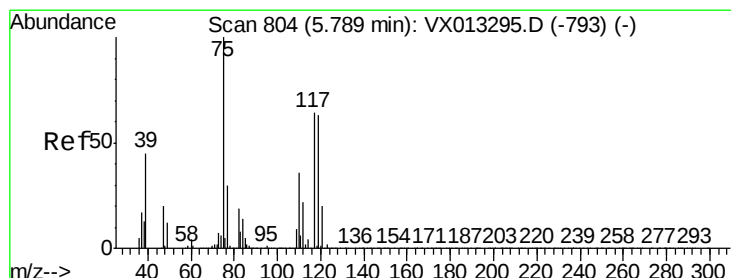
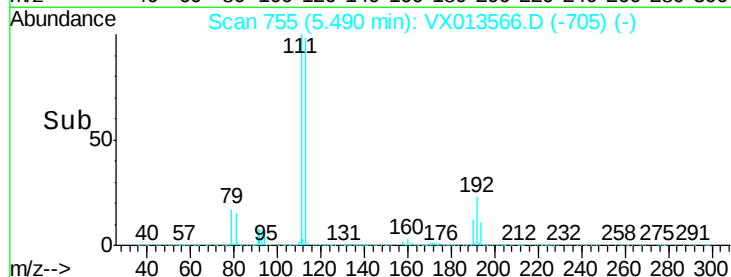
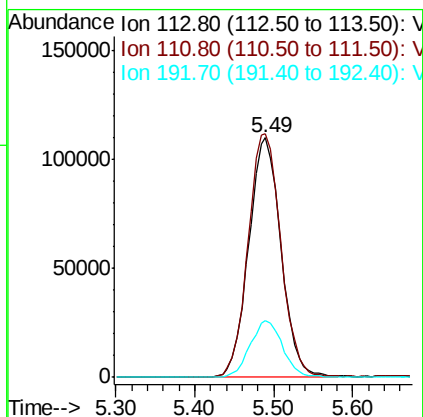
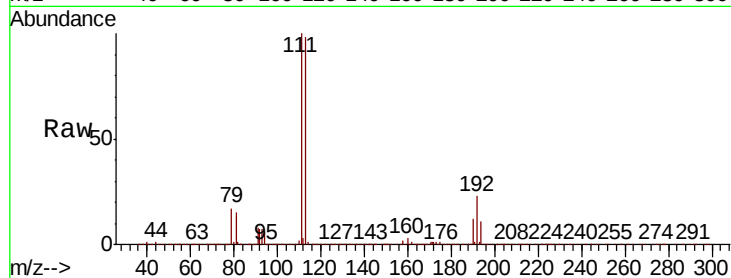




#35
 Dibromofluoromethane
 Concen: 48.297 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013566.D
 Acq: 23 Nov 2019 04:46

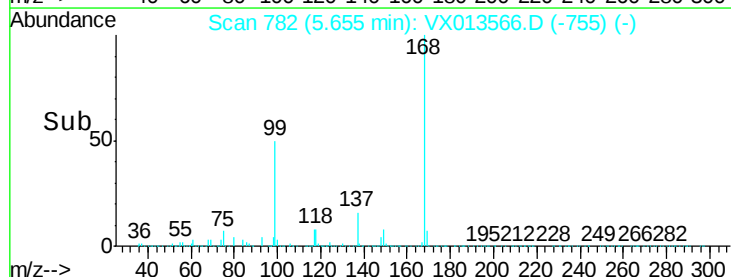
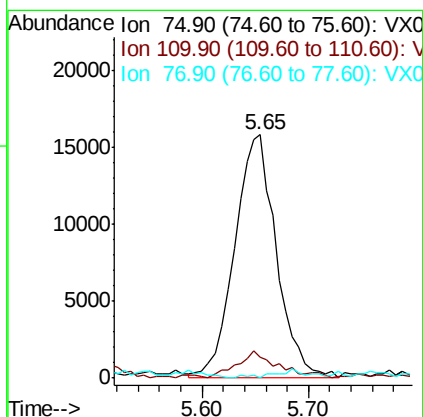
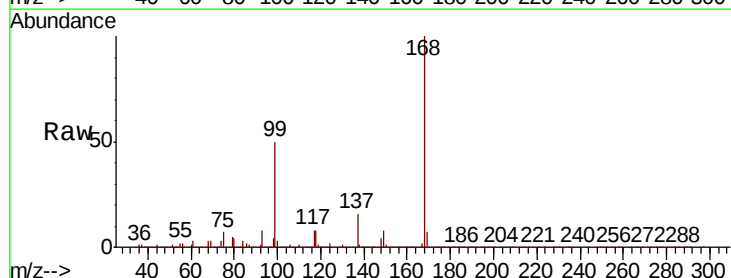
Instrument :
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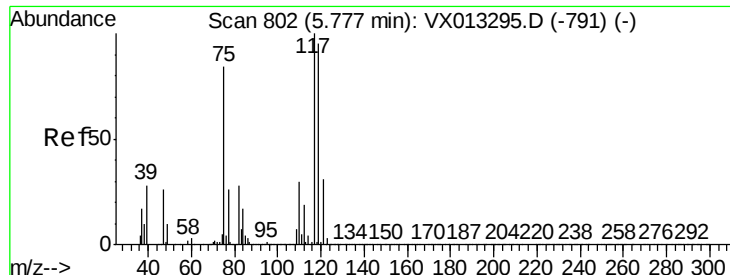
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	24.1	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013566.D
 Acq: 23 Nov 2019 04:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.455 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

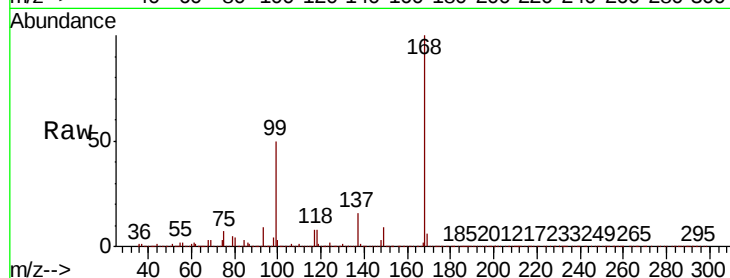
Tot Ion:117 Resp: 55769

Ion Ratio Lower Upper

117 100

119 6.8 76.1 114.1#

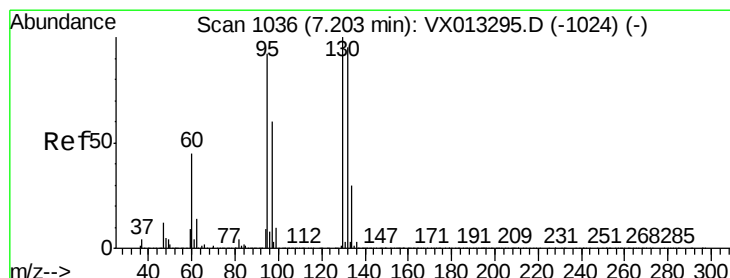
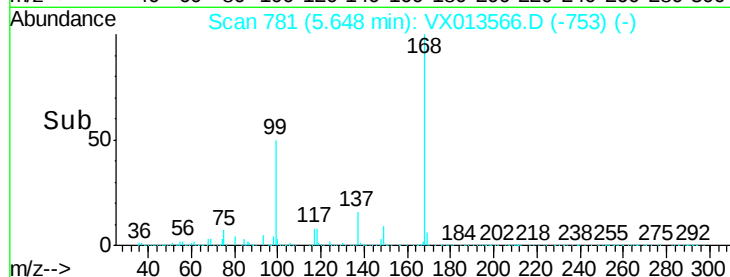
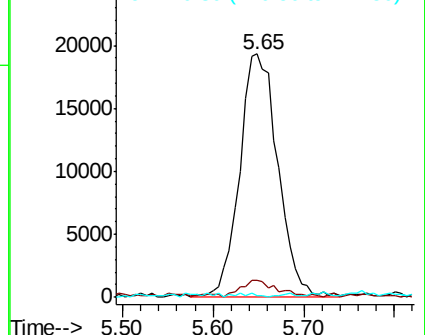
121 0.1 24.6 37.0#



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: 0.300 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013566.D

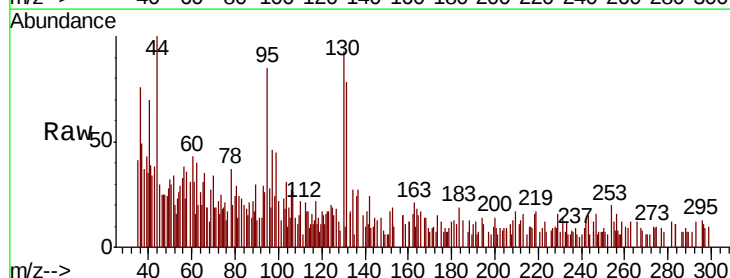
Acq: 23 Nov 2019 04:46

Tgt Ion:130 Resp: 2274

Ion Ratio Lower Upper

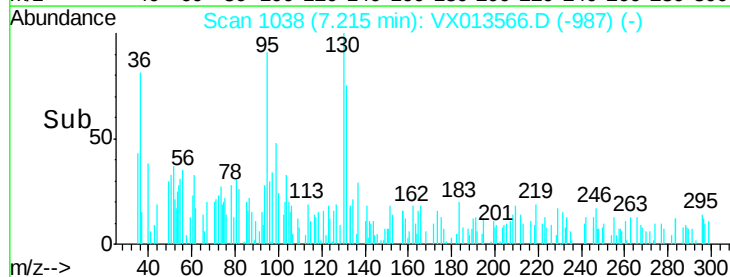
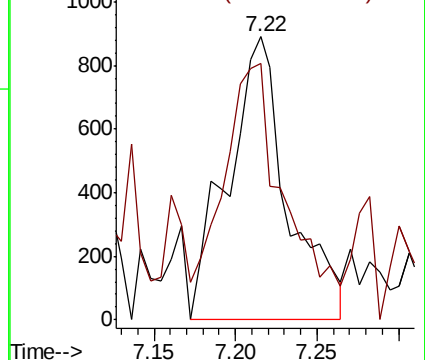
130 100

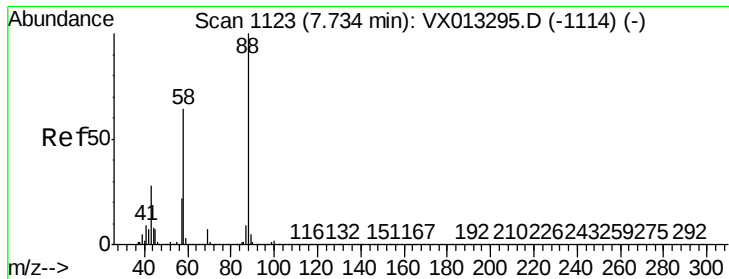
95 78.9 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.027 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

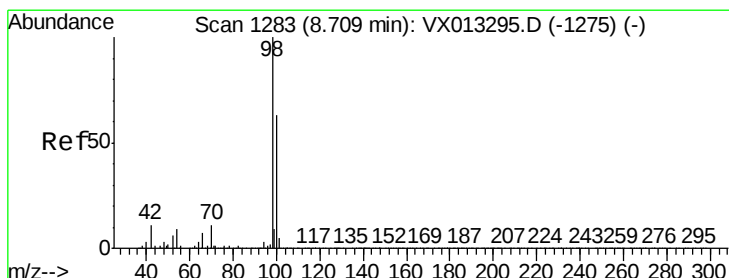
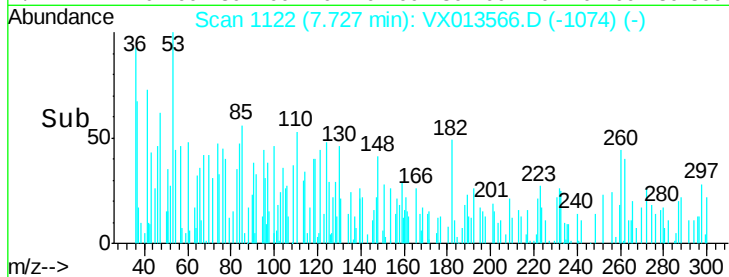
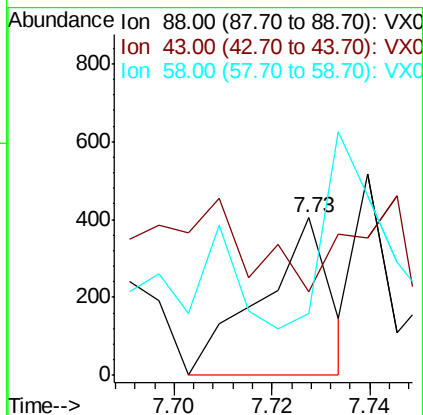
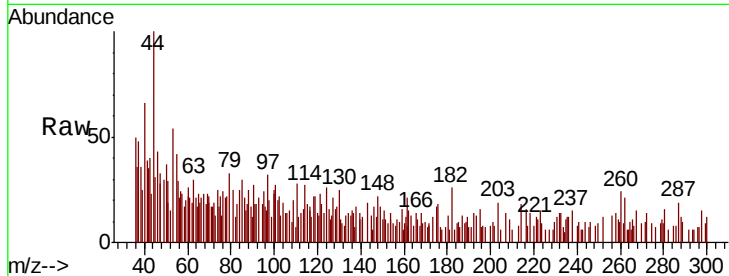
Tot Ion: 88 Resp: 394

Ion Ratio Lower Upper

88 100

43 109.4 26.6 39.8#

58 105.1 55.0 82.6#



#50

Toluene-d8

Concen: 50.867 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013566.D

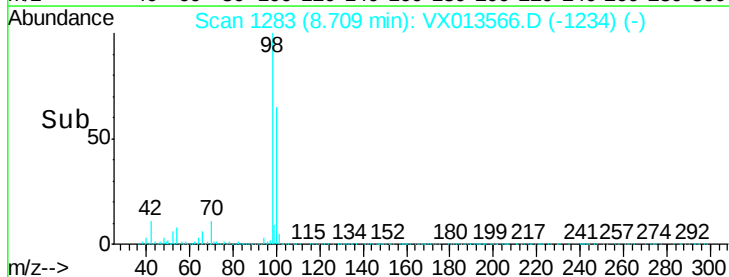
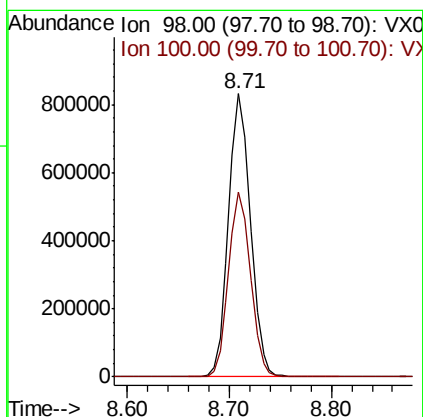
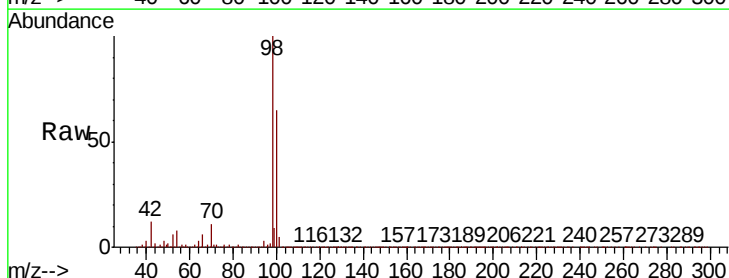
Acq: 23 Nov 2019 04:46

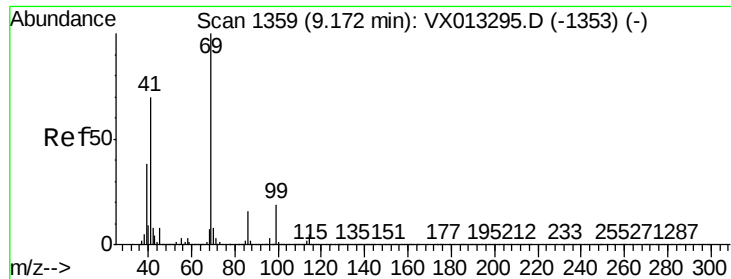
Tgt Ion: 98 Resp: 1238764

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.575 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.02 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

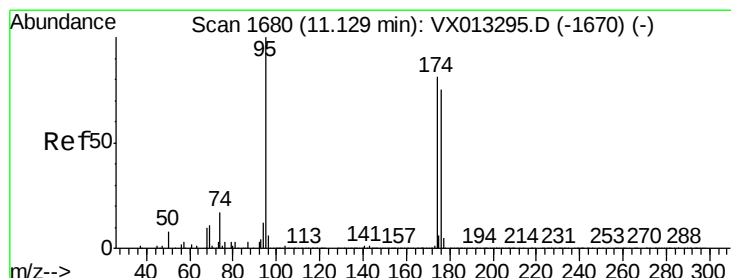
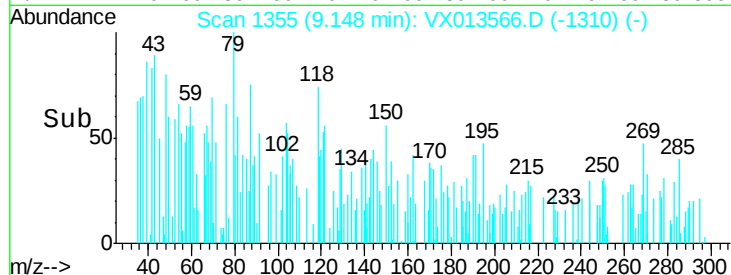
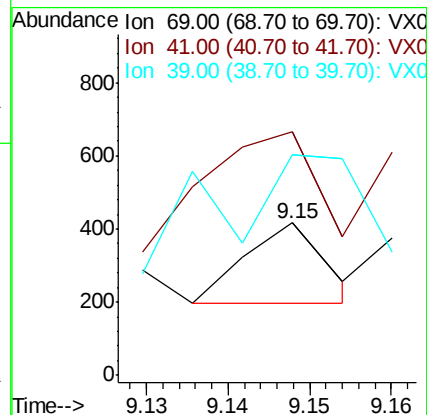
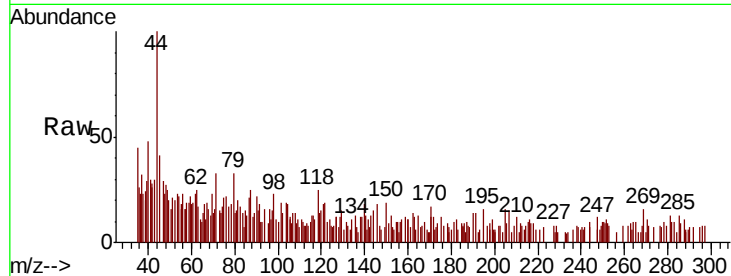
Tot Ion: 69 Resp: 148

Ion Ratio Lower Upper

69 100

41 935.1 56.2 84.2#

39 736.5 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.758 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

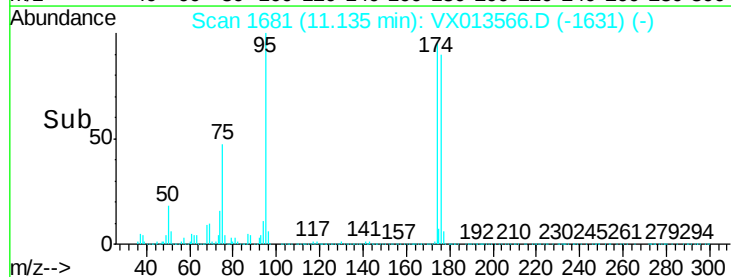
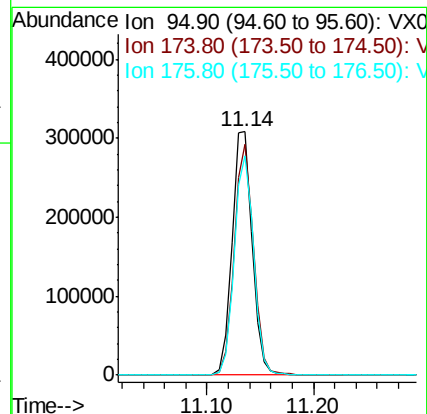
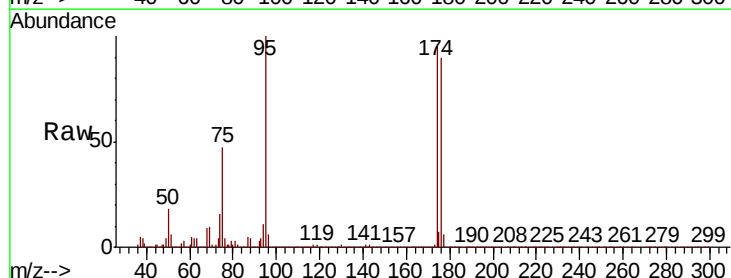
Tgt Ion: 95 Resp: 410962

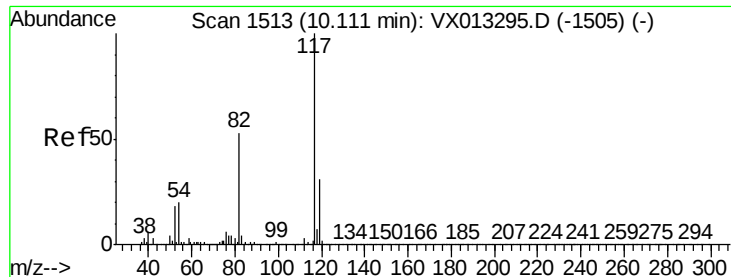
Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.8

176 86.7 0.0 173.0

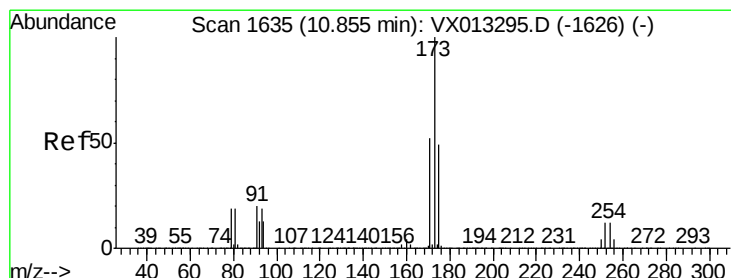
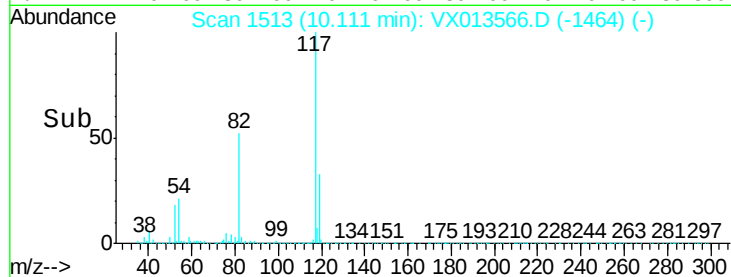
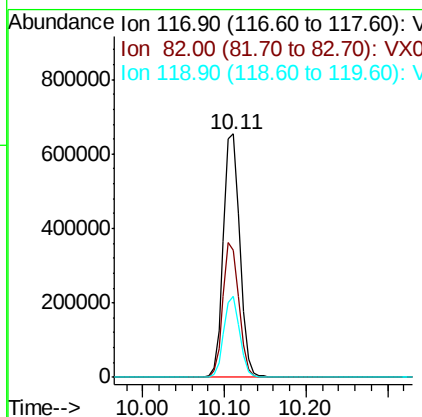
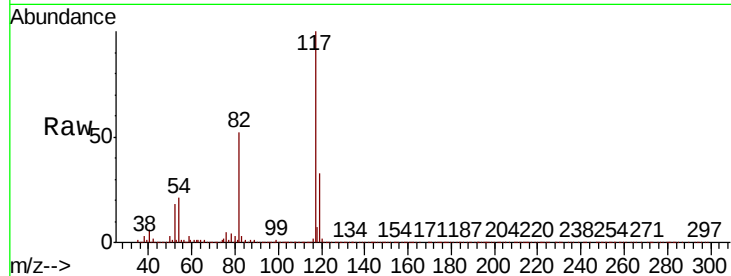




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013566.D
Acq: 23 Nov 2019 04:46

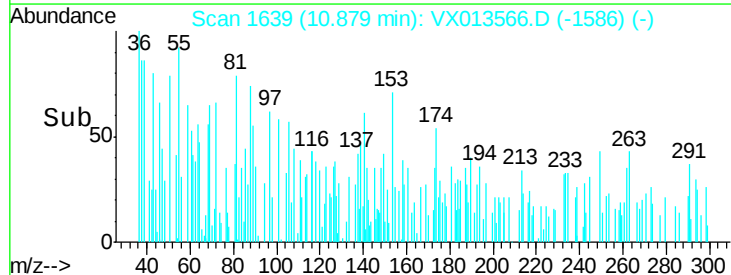
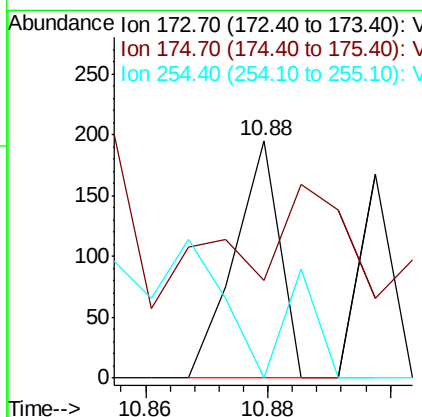
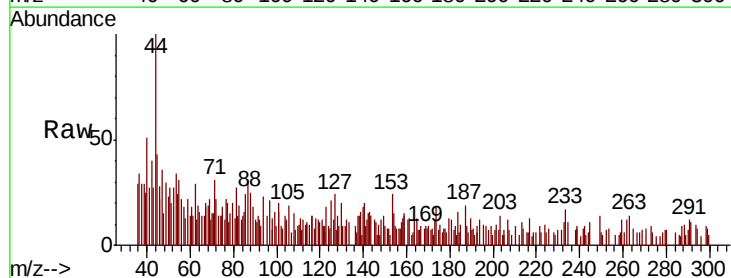
Instrument :
MSVOA_X
ClientSampleId :
MH-118.5N-20191121

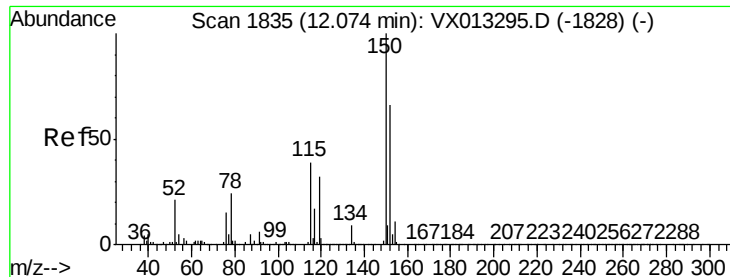
Tot Ion:117 Resp: 920047
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 33.2 24.8 37.2



#71
Bromoform
Concen: 3.217 ug/l
RT: 10.88 min Scan# 1639
Delta R.T. 0.03 min
Lab File: VX013566.D
Acq: 23 Nov 2019 04:46

Tgt Ion:173 Resp: 99
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 0.0 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: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

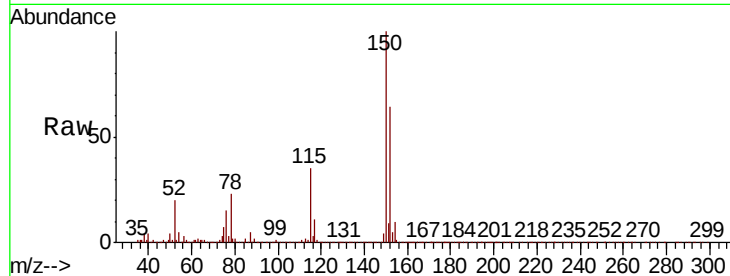
Tot Ion:152 Resp: 414942

Ion Ratio Lower Upper

152 100

115 54.5 39.5 118.3

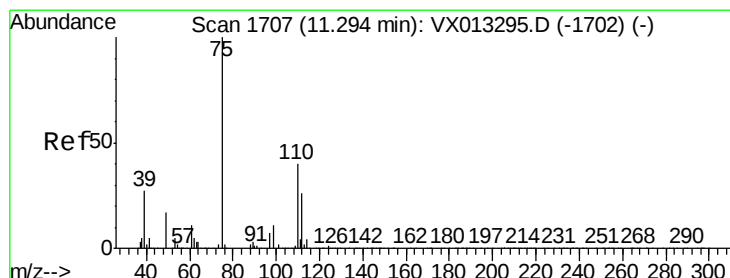
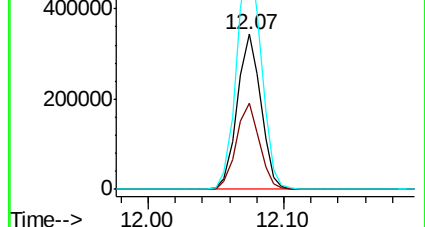
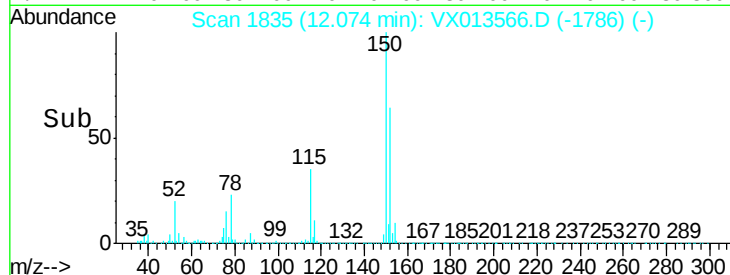
150 155.7 0.0 344.4



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: 23.474 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013566.D

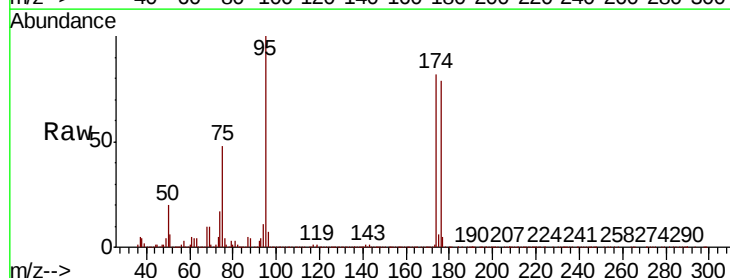
Acq: 23 Nov 2019 04:46

Tgt Ion: 75 Resp: 197843

Ion Ratio Lower Upper

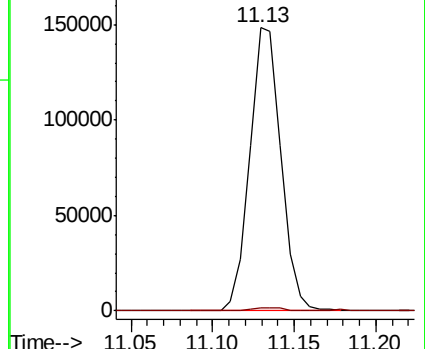
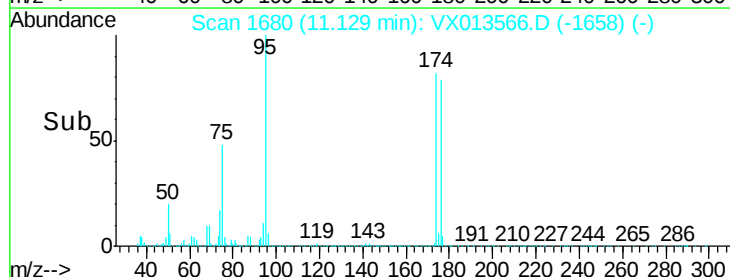
75 100

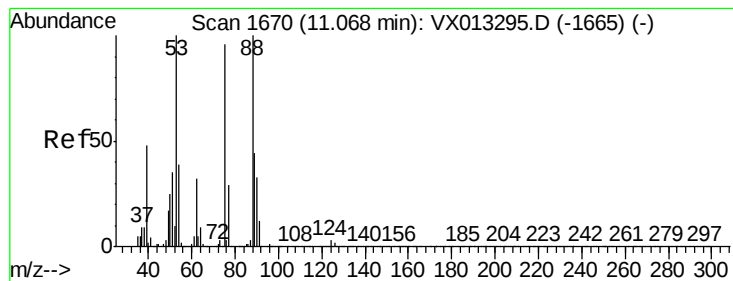
77 1.1 22.3 66.8#



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: 60.423 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013566.D

Acq: 23 Nov 2019 04:46

Instrument :

MSVOA_X

ClientSampleId :

MH-118.5N-20191121

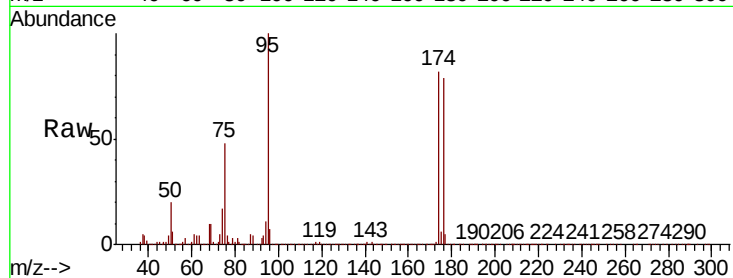
Tot Ion: 75 Resp: 197843

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

