

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX022620\
 Data File : VX015019.D
 Acq On : 26 Feb 2020 14:37
 Operator : JC/SP
 Sample : L1683-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-318.9-20200225

Quant Time: Feb 26 15:04:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	427773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	671328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	648764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337192	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	240882	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	5.49	113	204808	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	8.71	98	817877	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	302362	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

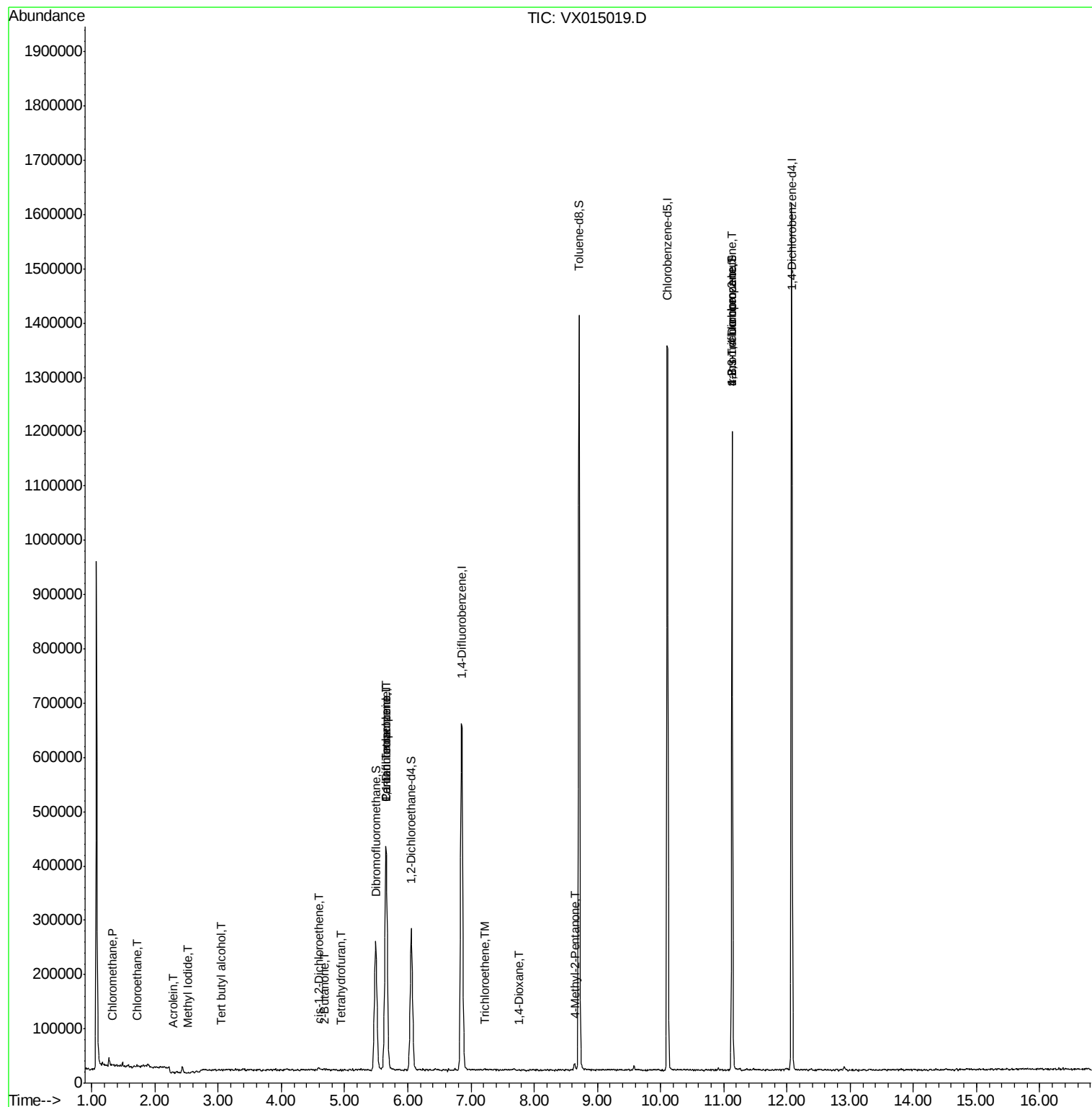
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1006	0.22	ug/l #	82
6) Chloroethane	1.72	64	686	0.22	ug/l #	54
10) Methyl Iodide	2.51	142	718	4.52	ug/l #	86
11) Tert butyl alcohol	3.05	59	377	0.44	ug/l #	1
13) Acrolein	2.28	56	1691	2.60	ug/l #	60
16) Acetone	2.44	43	11747	Below Cal	#	79
25) 2-Butanone	4.67	43	3280	1.00	ug/l	91
27) cis-1,2-Dichloroethene	4.58	96	1102	0.23	ug/l	54
29) Tetrahydrofuran	4.94	42	541	0.29	ug/l	97
36) 1,1-Dichloropropene	5.65	75	28827	4.80	ug/l #	54
38) Carbon Tetrachloride	5.65	117	36739	6.28	ug/l #	16
44) Trichloroethene	7.22	130	1554	0.30	ug/l	86
49) 1,4-Dioxane	7.75	88	74	0.78	ug/l #	10
51) 4-Methyl-2-Pentanone	8.64	43	8548	1.37	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	146360	24.00	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	146360	61.44	ug/l #	12

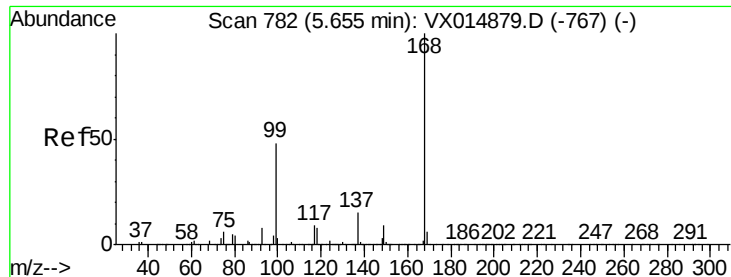
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

Instrument :

MSVOA_X

ClientSampleId :

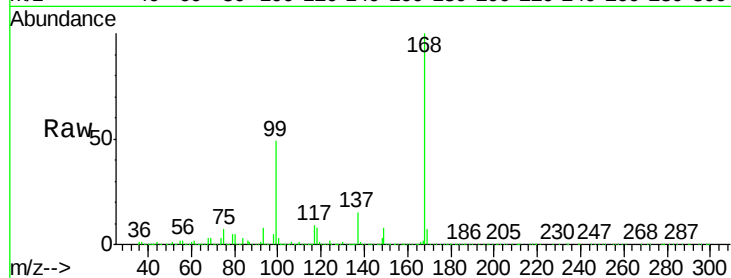
MH-318.9-20200225

Tgt Ion:168 Resp: 427773

Ion Ratio Lower Upper

168 100

99 48.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

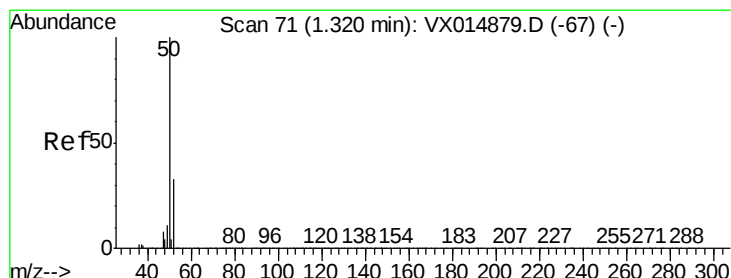
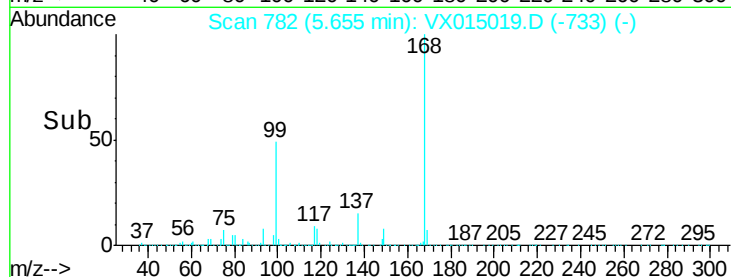
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015019.D

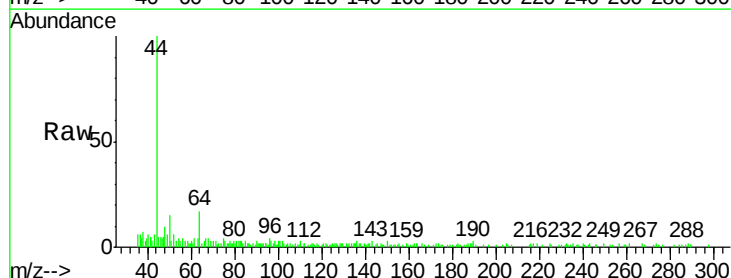
Acq: 26 Feb 2020 14:37

Tgt Ion: 50 Resp: 1006

Ion Ratio Lower Upper

50 100

52 22.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

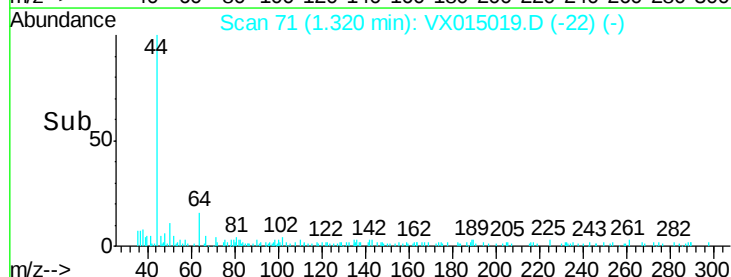
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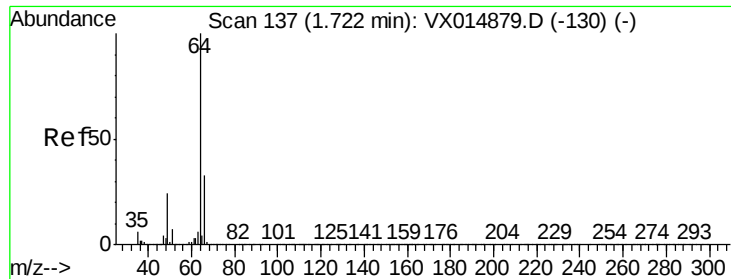
400

200

0

Time-->





#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

Instrument :

MSVOA_X

ClientSampleId :

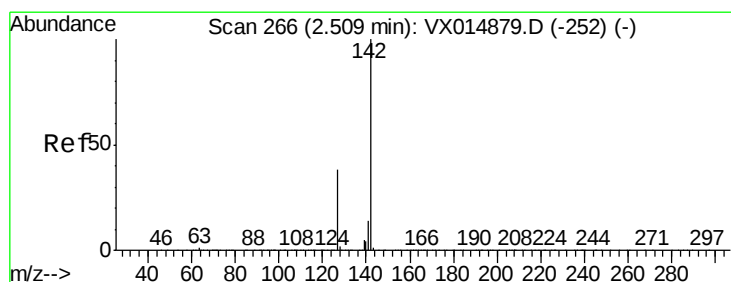
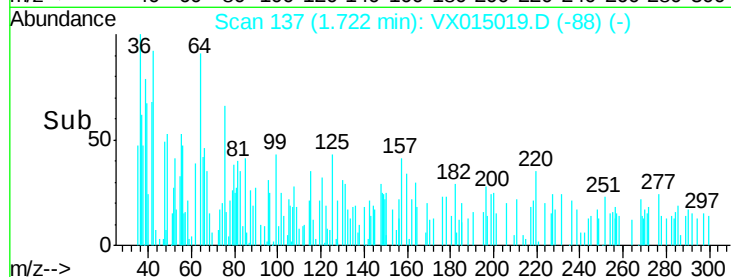
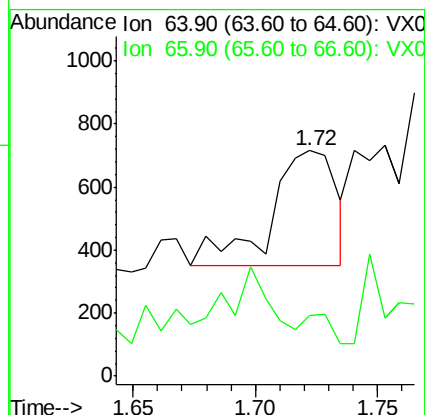
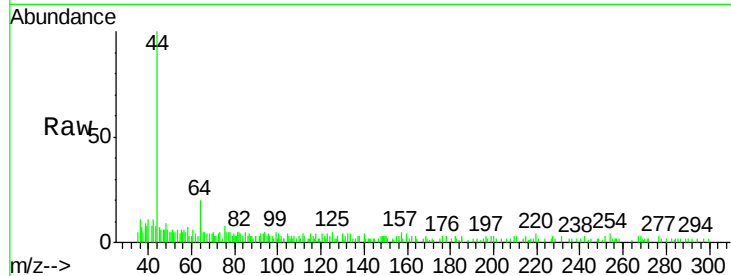
MH-318.9-20200225

Tgt Ion: 64 Resp: 686

Ion Ratio Lower Upper

64 100

66 6.8 26.2 39.4#



#10

Methyl Iodide

Concen: 4.52 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

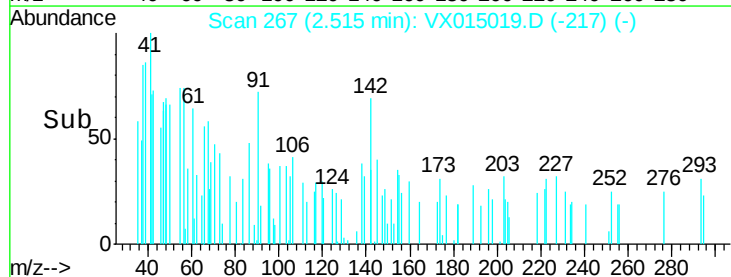
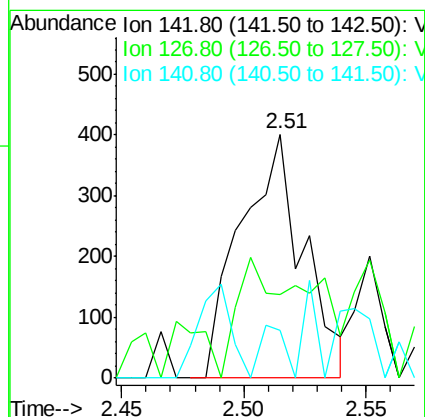
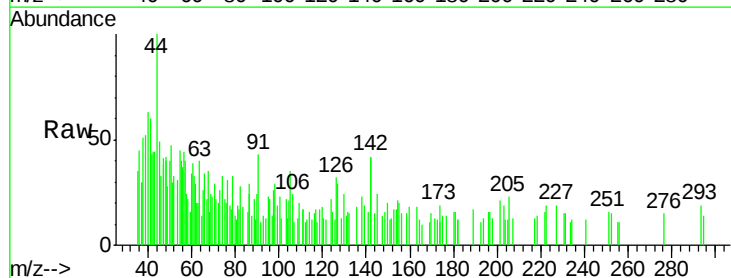
Tgt Ion: 142 Resp: 718

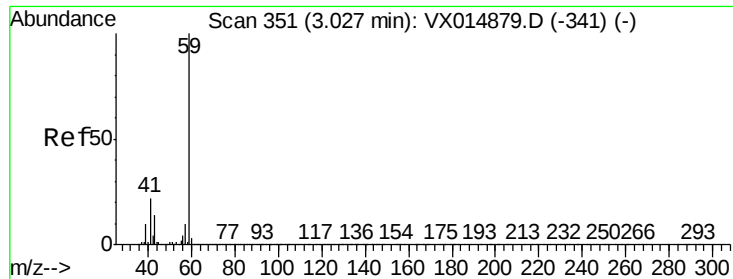
Ion Ratio Lower Upper

142 100

127 30.1 31.1 46.7#

141 8.5 11.3 16.9#



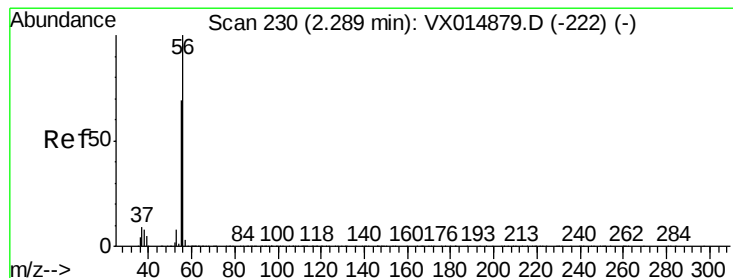
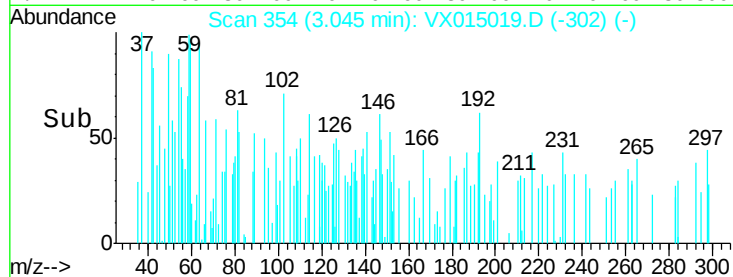
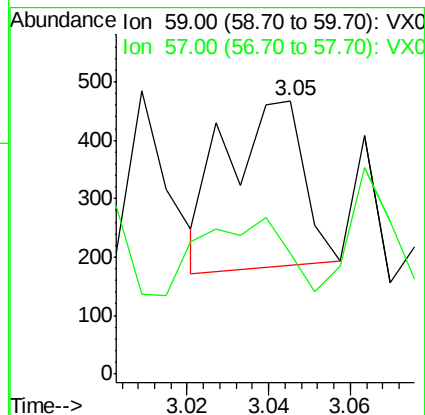
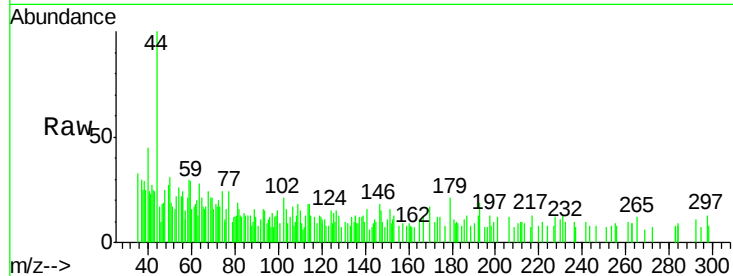


#11

Tert butyl alcohol
 Concen: 0.44 ug/l
 RT: 3.05 min Scan# 354
 Delta R.T. 0.02 min
 Lab File: VX015019.D
 Acq: 26 Feb 2020 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-318.9-20200225

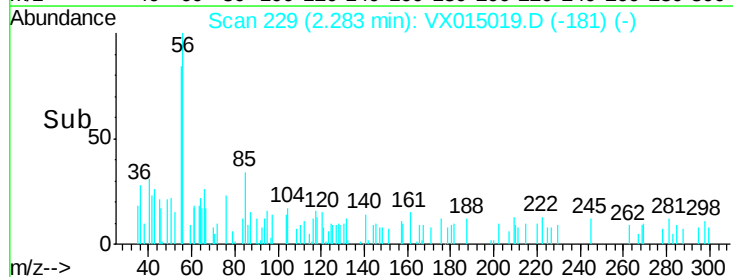
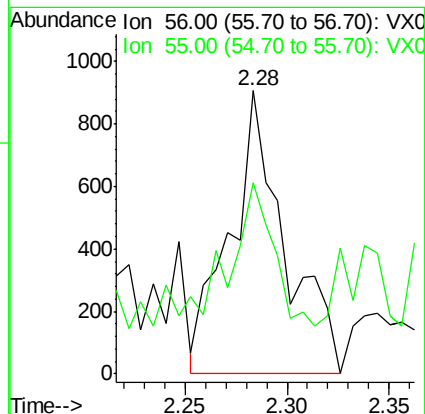
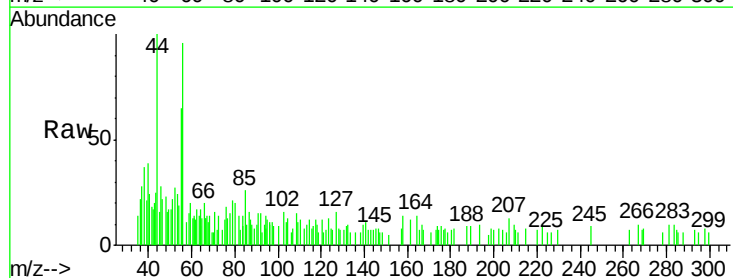
Tgt Ion: 59 Resp: 377
 Ion Ratio Lower Upper
 59 100
 57 89.9 8.2 12.4#

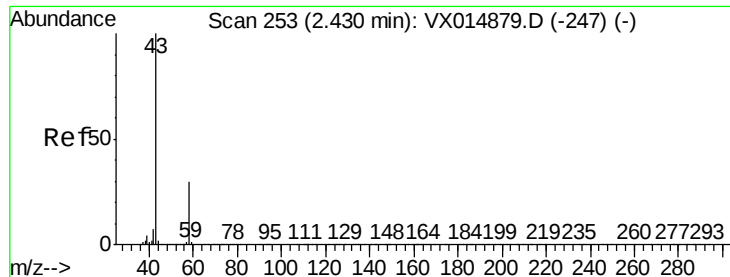


#13

Acrolein
 Concen: 2.60 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VX015019.D
 Acq: 26 Feb 2020 14:37

Tgt Ion: 56 Resp: 1691
 Ion Ratio Lower Upper
 56 100
 55 36.6 55.0 82.4#

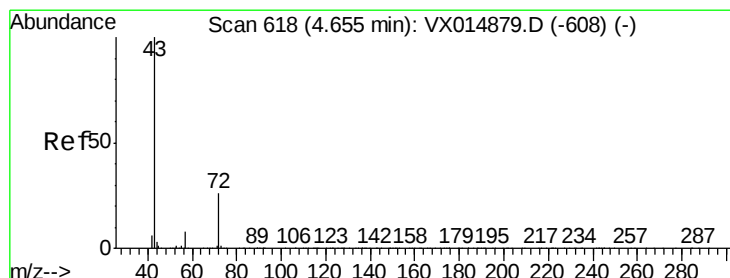
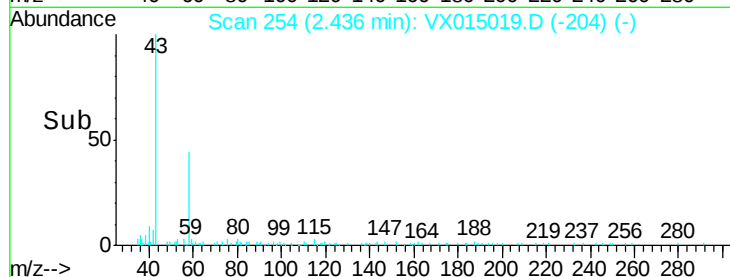
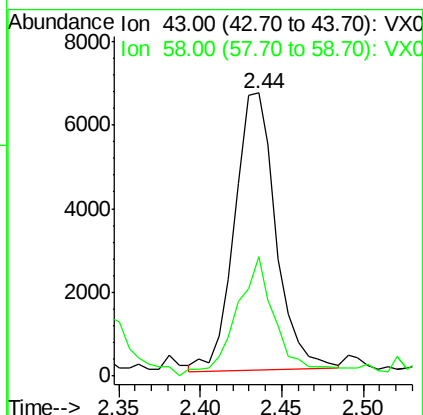
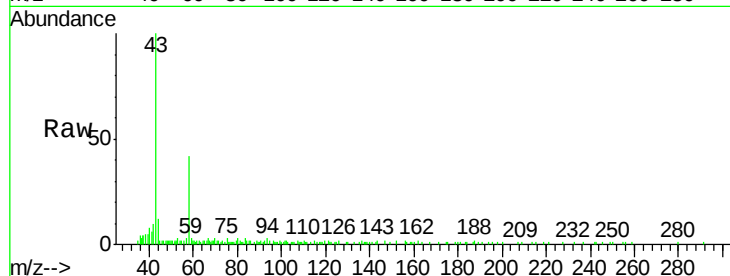




#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX015019.D
Acq: 26 Feb 2020 14:37

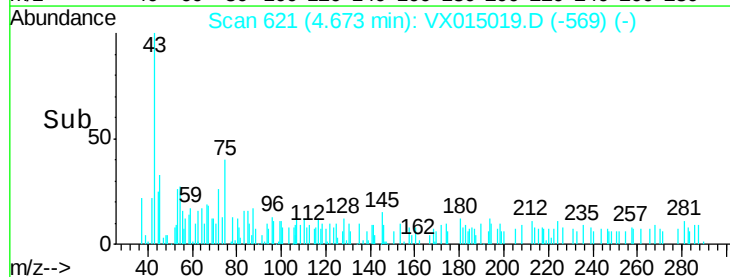
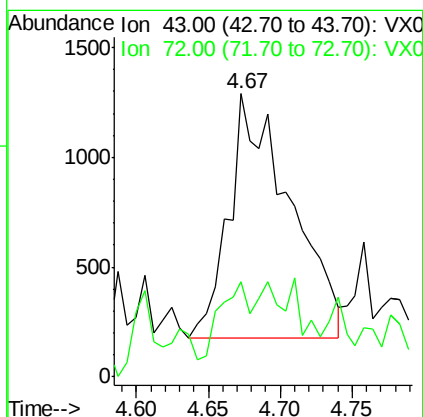
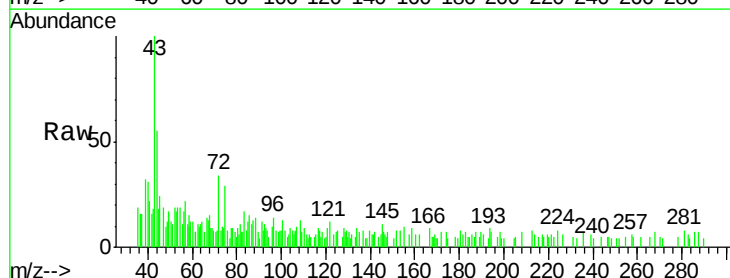
Instrument :
MSVOA_X
ClientSampleId :
MH-318.9-20200225

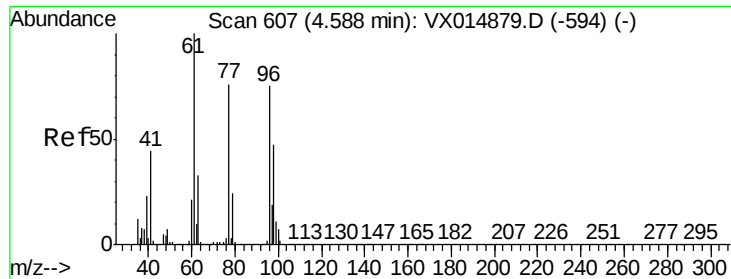
Tgt Ion: 43 Resp: 11747
Ion Ratio Lower Upper
43 100
58 41.6 24.1 36.1#



#25
2-Butanone
Concen: 1.00 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX015019.D
Acq: 26 Feb 2020 14:37

Tgt Ion: 43 Resp: 3280
Ion Ratio Lower Upper
43 100
72 30.8 21.0 31.6



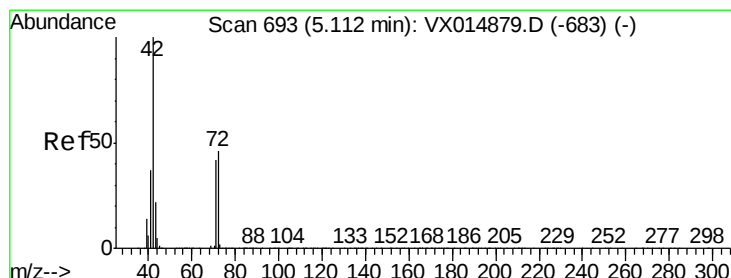
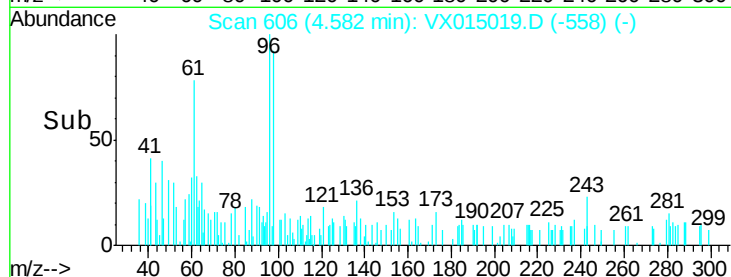
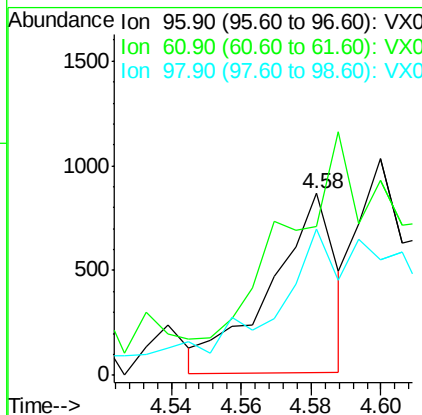
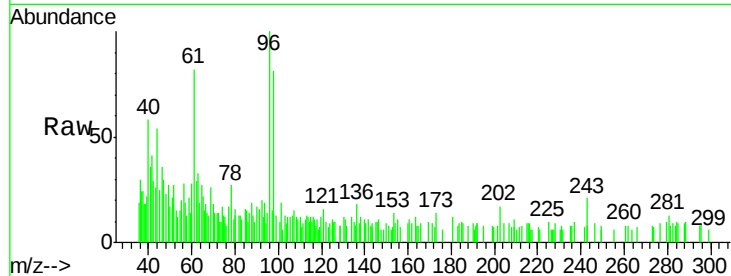


#27

cis-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX015019.D
Acq: 26 Feb 2020 14:37

Instrument :
MSVOA_X
ClientSampleId :
MH-318.9-20200225

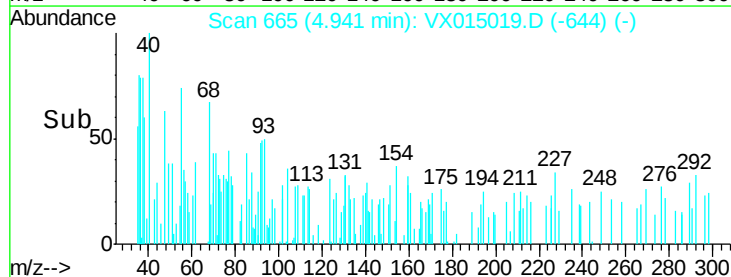
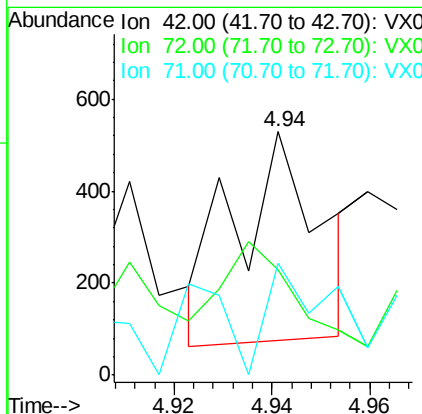
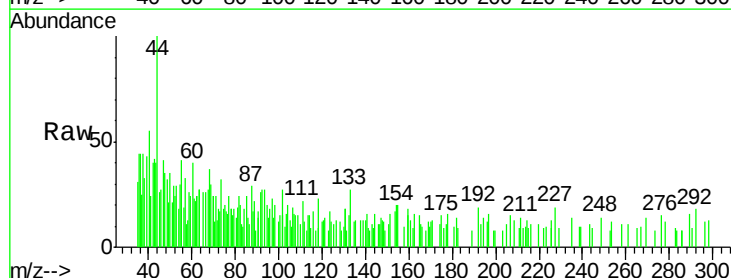
Tgt Ion: 96 Resp: 1102
Ion Ratio Lower Upper
96 100
61 224.5 0.0 286.2
98 64.2 0.0 131.0

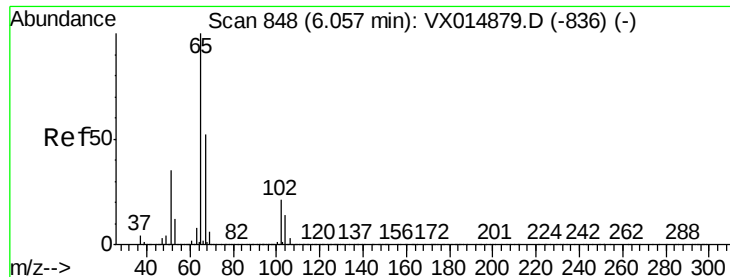


#29

Tetrahydrofuran
Concen: 0.29 ug/l
RT: 4.94 min Scan# 665
Delta R.T. -0.17 min
Lab File: VX015019.D
Acq: 26 Feb 2020 14:37

Tgt Ion: 42 Resp: 541
Ion Ratio Lower Upper
42 100
72 42.0 36.9 55.3
71 42.5 34.1 51.1

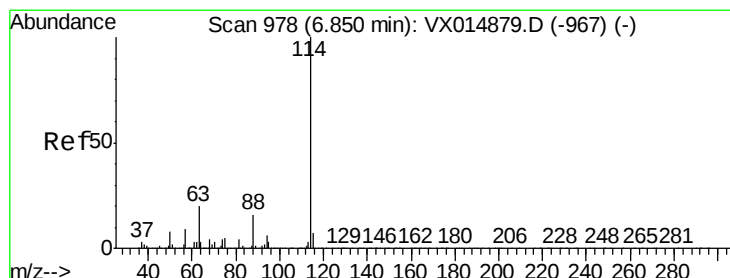
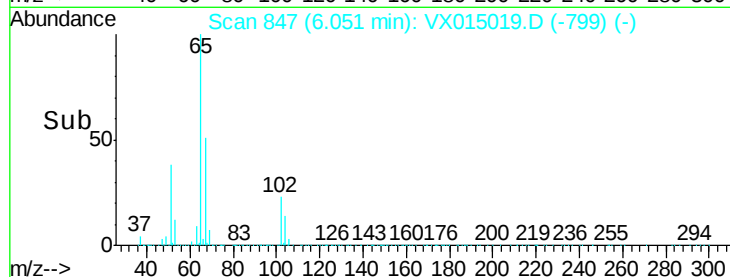
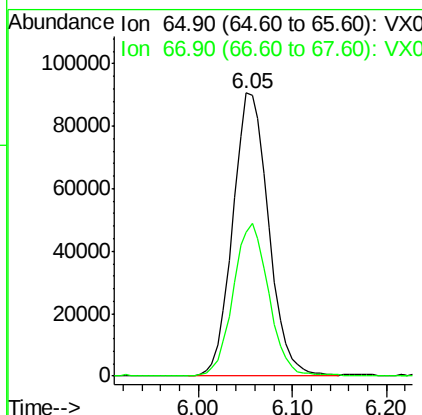
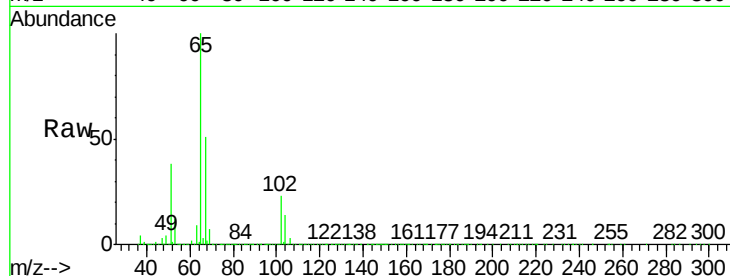




#33
 1,2-Dichloroethane-d4
 Concen: 49.90 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX015019.D
 Acq: 26 Feb 2020 14:37

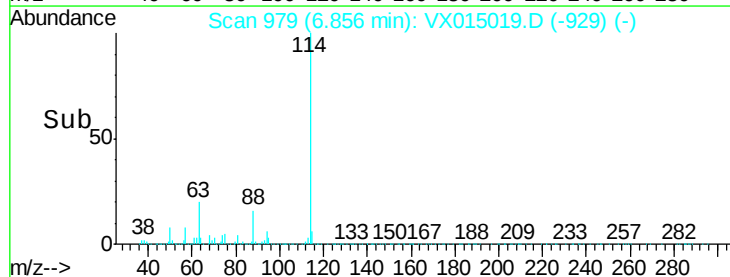
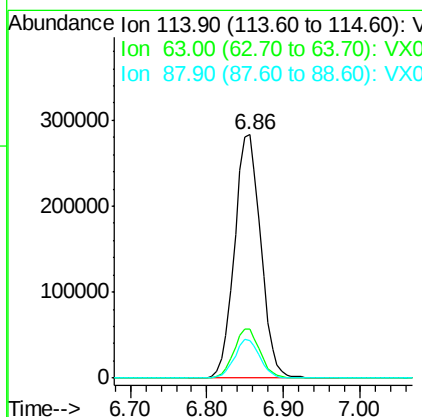
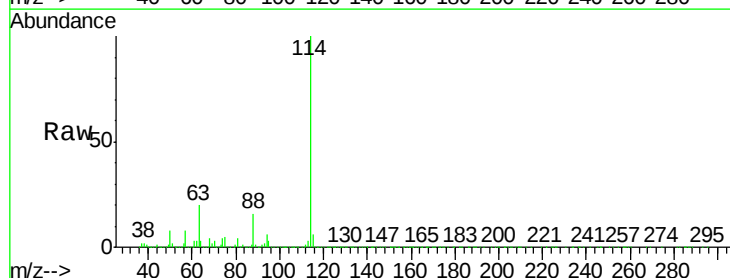
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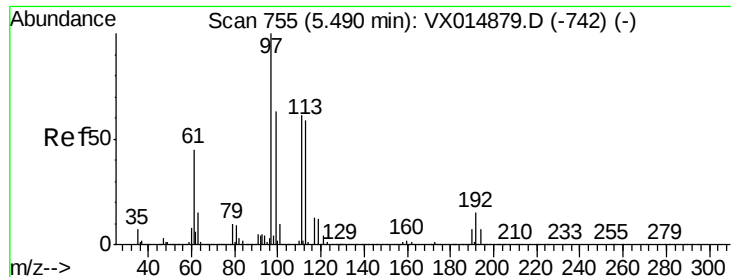
Tgt Ion: 65 Resp: 240882
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX015019.D
 Acq: 26 Feb 2020 14:37

Tgt Ion: 114 Resp: 671328
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 15.6 0.0 32.0

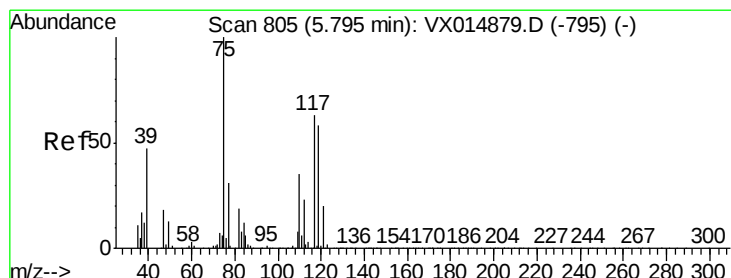
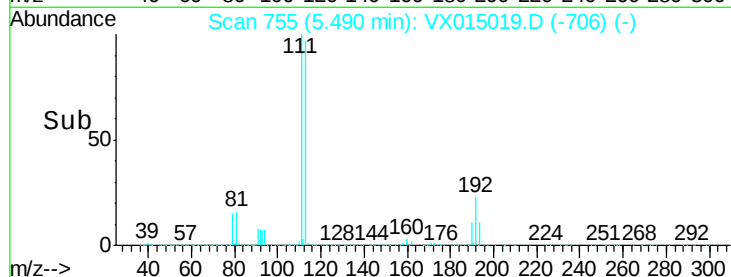
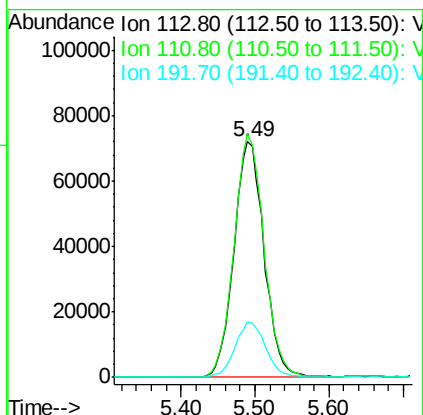
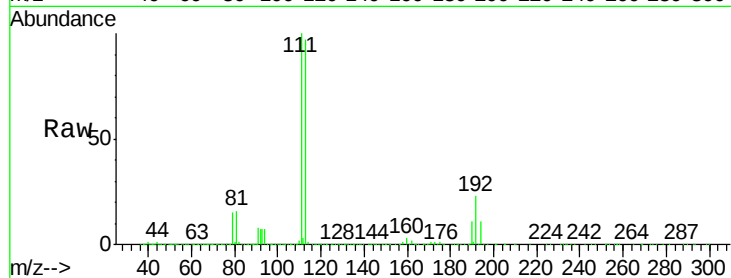




#35
 Dibromofluoromethane
 Concen: 49.62 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015019.D
 Acq: 26 Feb 2020 14:37

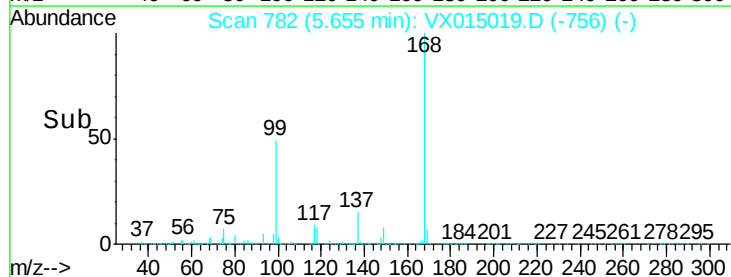
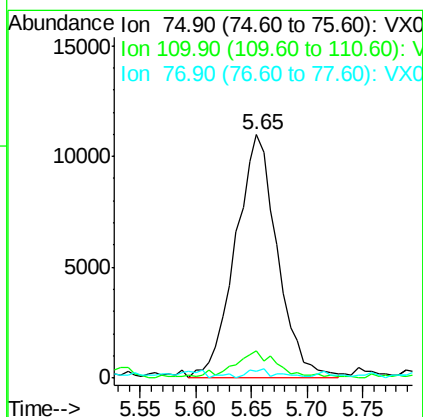
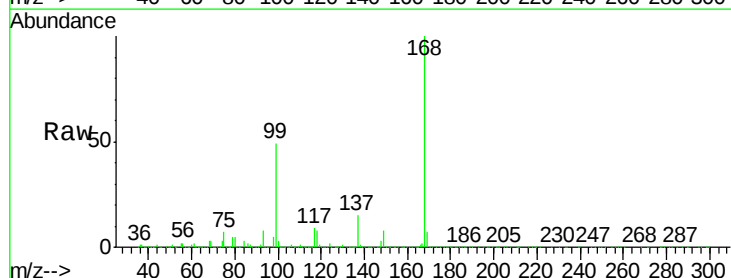
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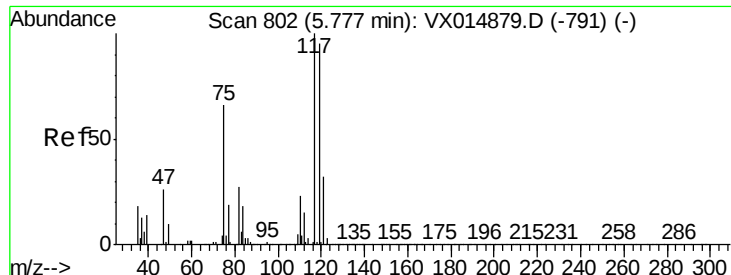
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	23.8	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.80 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015019.D
 Acq: 26 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.5	18.3	54.8#
77	1.8	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.28 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

Instrument :

MSVOA_X

ClientSampleId :

MH-318.9-20200225

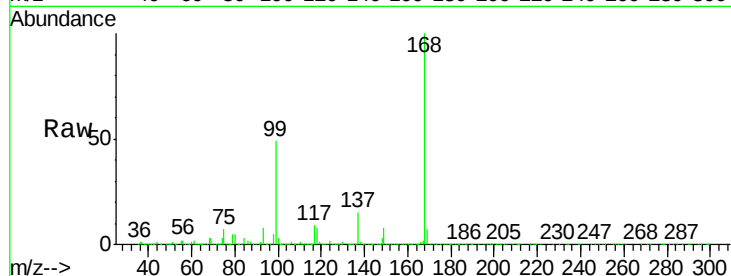
Tgt Ion:117 Resp: 36739

Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

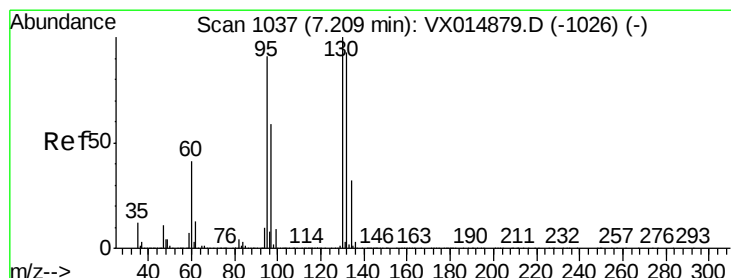
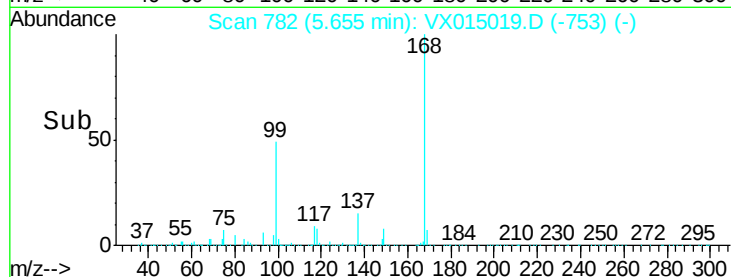
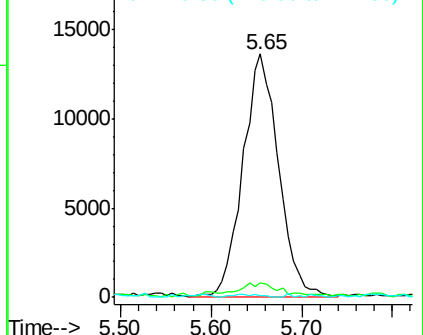
121 0.0 25.4 38.2#



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: 0.30 ug/l

RT: 7.22 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VX015019.D

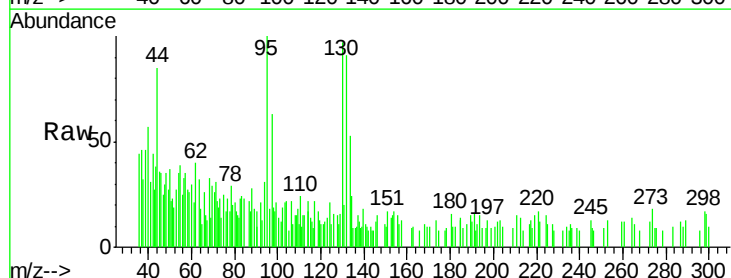
Acq: 26 Feb 2020 14:37

Tgt Ion:130 Resp: 1554

Ion Ratio Lower Upper

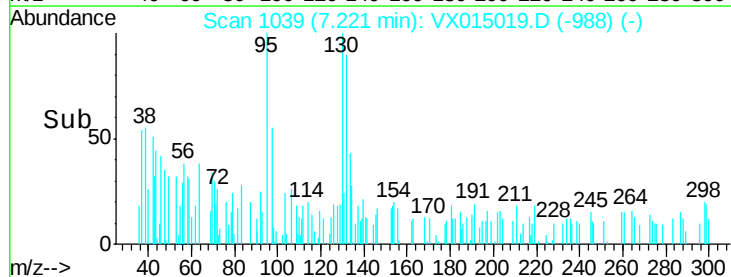
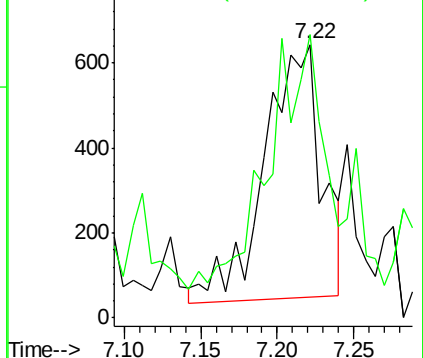
130 100

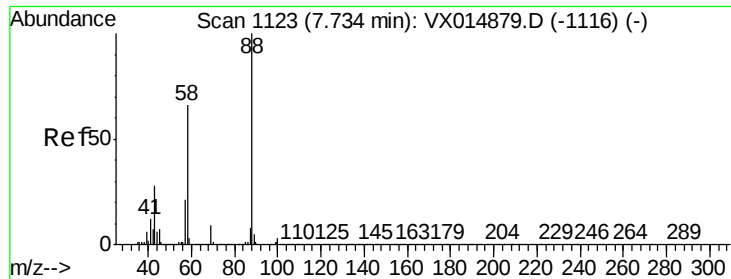
95 104.4 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

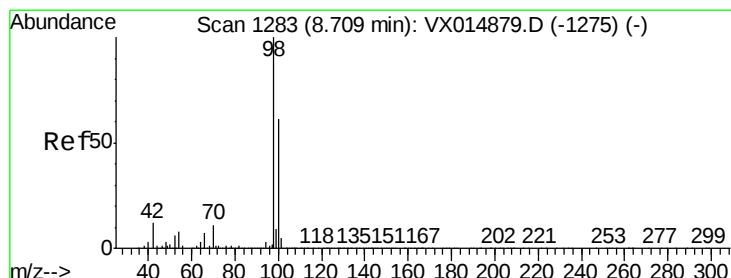
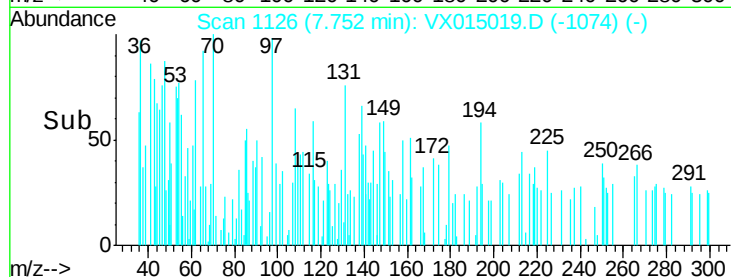
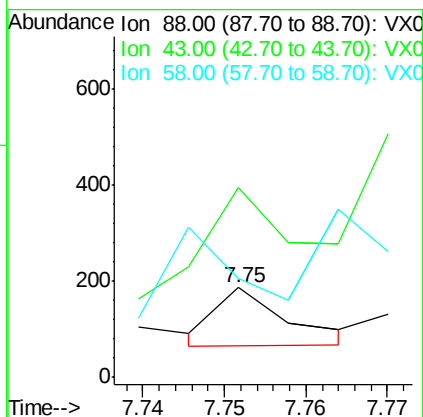
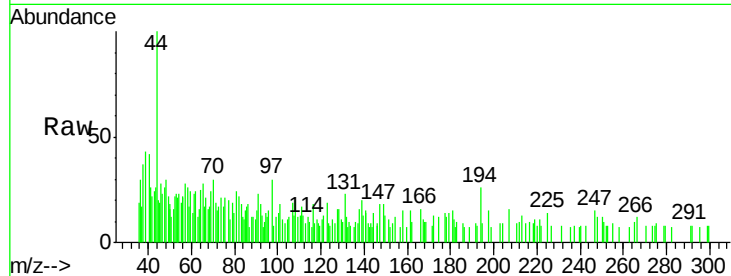




#49
1,4-Dioxane
Concen: 0.78 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX015019.D
Acq: 26 Feb 2020 14:37

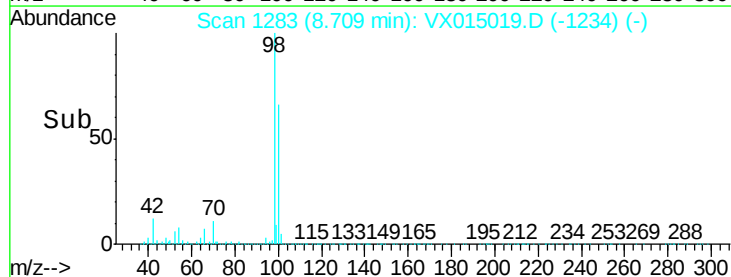
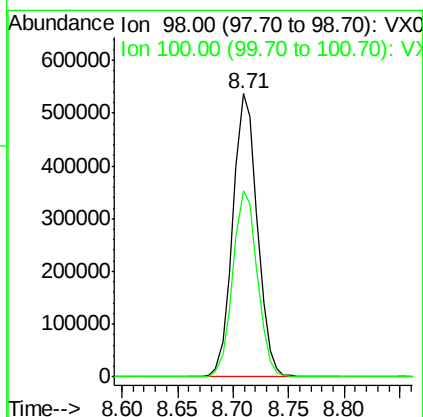
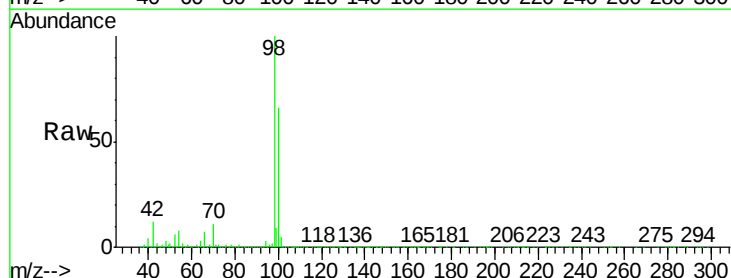
Instrument :
MSVOA_X
ClientSampleId :
MH-318.9-20200225

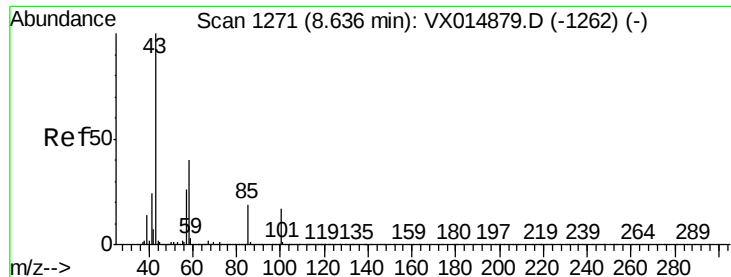
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 151.4 53.2 79.8#



#50
Toluene-d8
Concen: 51.92 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015019.D
Acq: 26 Feb 2020 14:37

Tgt Ion: 98 Resp: 817877
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.37 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

Instrument :

MSVOA_X

ClientSampleId :

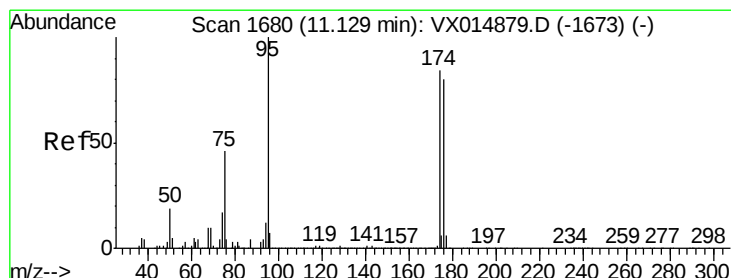
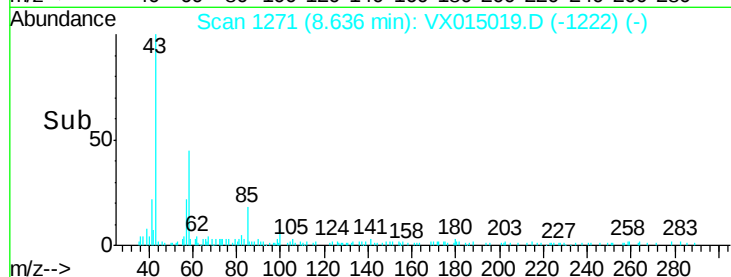
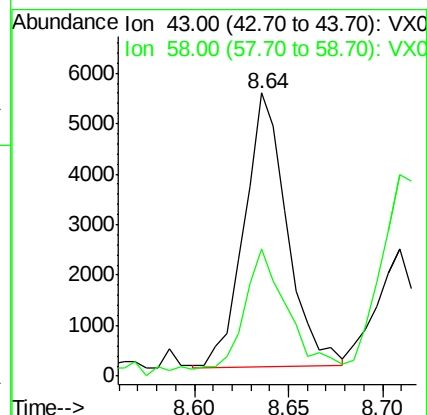
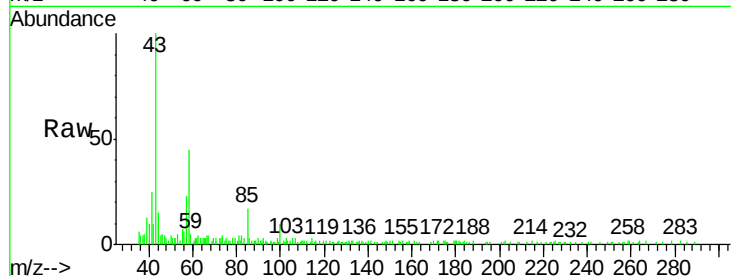
MH-318.9-20200225

Tgt Ion: 43 Resp: 8548

Ion Ratio Lower Upper

43 100

58 45.6 31.9 47.9



#62

4-Bromofluorobenzene

Concen: 53.28 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

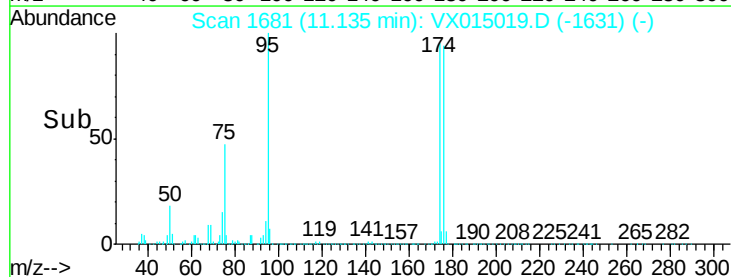
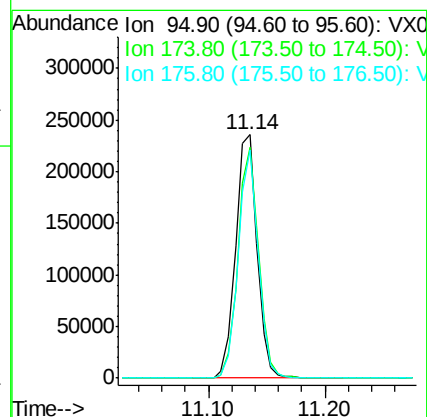
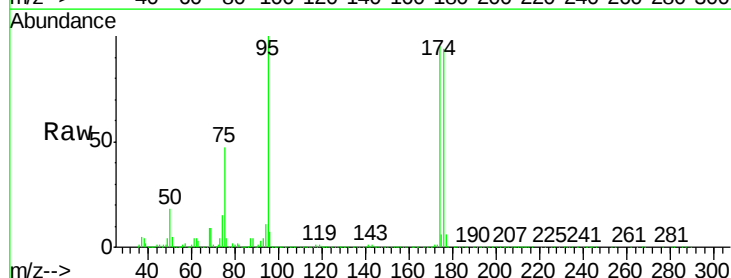
Tgt Ion: 95 Resp: 302362

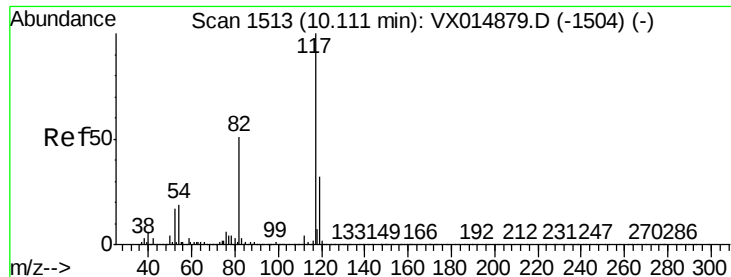
Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.0

176 88.3 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

Instrument :

MSVOA_X

ClientSampleId :

MH-318.9-20200225

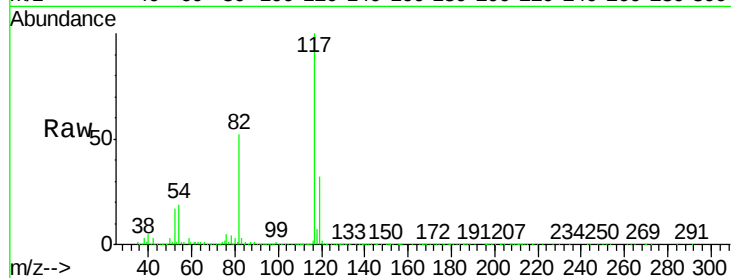
Tgt Ion:117 Resp: 648764

Ion Ratio Lower Upper

117 100

82 51.7 40.5 60.7

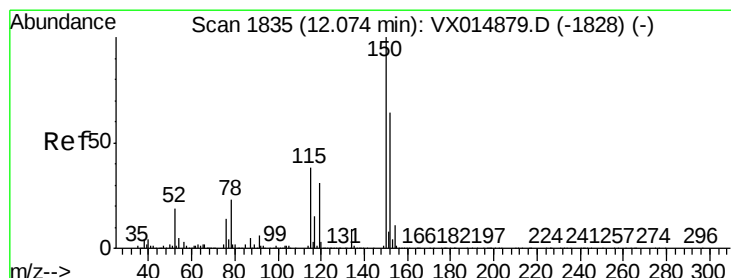
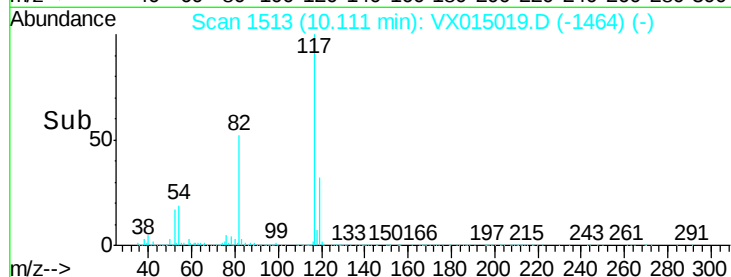
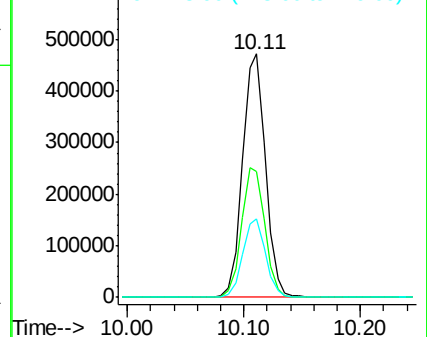
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

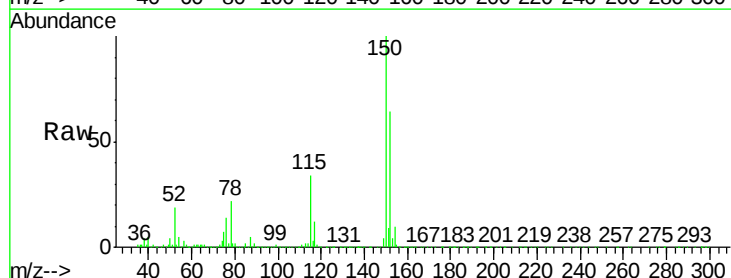
Tgt Ion:152 Resp: 337192

Ion Ratio Lower Upper

152 100

115 54.7 38.6 116.0

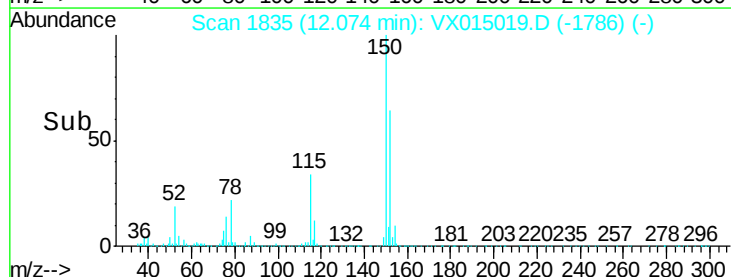
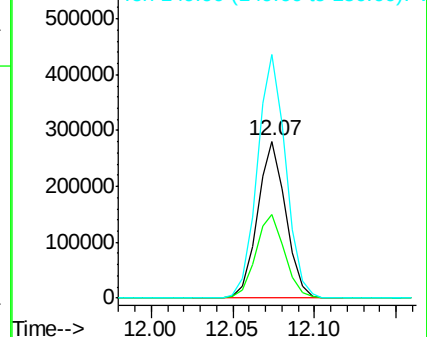
150 157.0 0.0 349.0

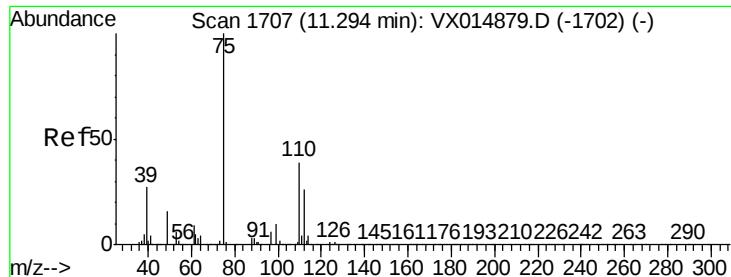


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.00 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

Instrument :

MSVOA_X

ClientSampleId :

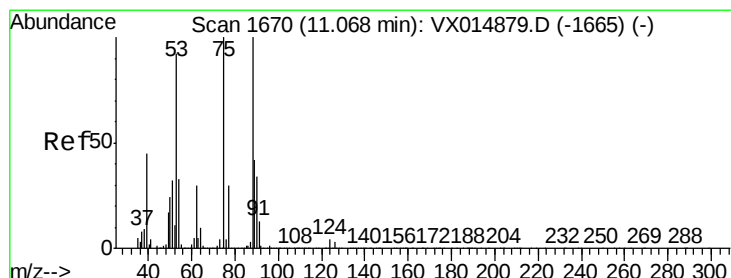
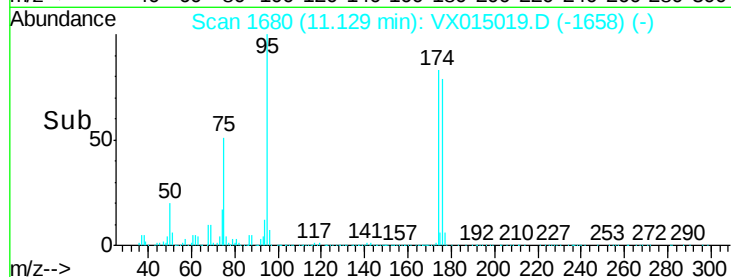
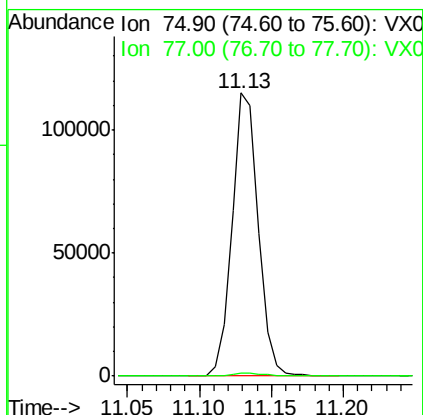
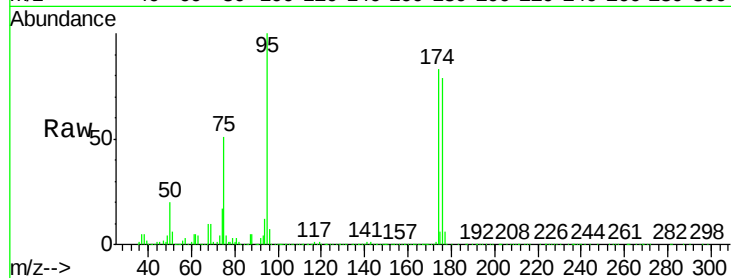
MH-318.9-20200225

Tgt Ion: 75 Resp: 146360

Ion Ratio Lower Upper

75 100

77 1.3 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.44 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015019.D

Acq: 26 Feb 2020 14:37

Tgt Ion: 75 Resp: 146360

Ion Ratio Lower Upper

75 100

53 0.6 76.2 114.2#

89 0.0 35.8 53.6#

