

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022620\
 Data File : VX015028.D
 Acq On : 26 Feb 2020 18:00
 Operator : JC/SP
 Sample : L1683-13DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20200225DL

Quant Time: Feb 27 02:57:54 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	413881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	659319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	637533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	330821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	237075	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	5.49	113	202255	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	8.71	98	790556	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.13	95	295517	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

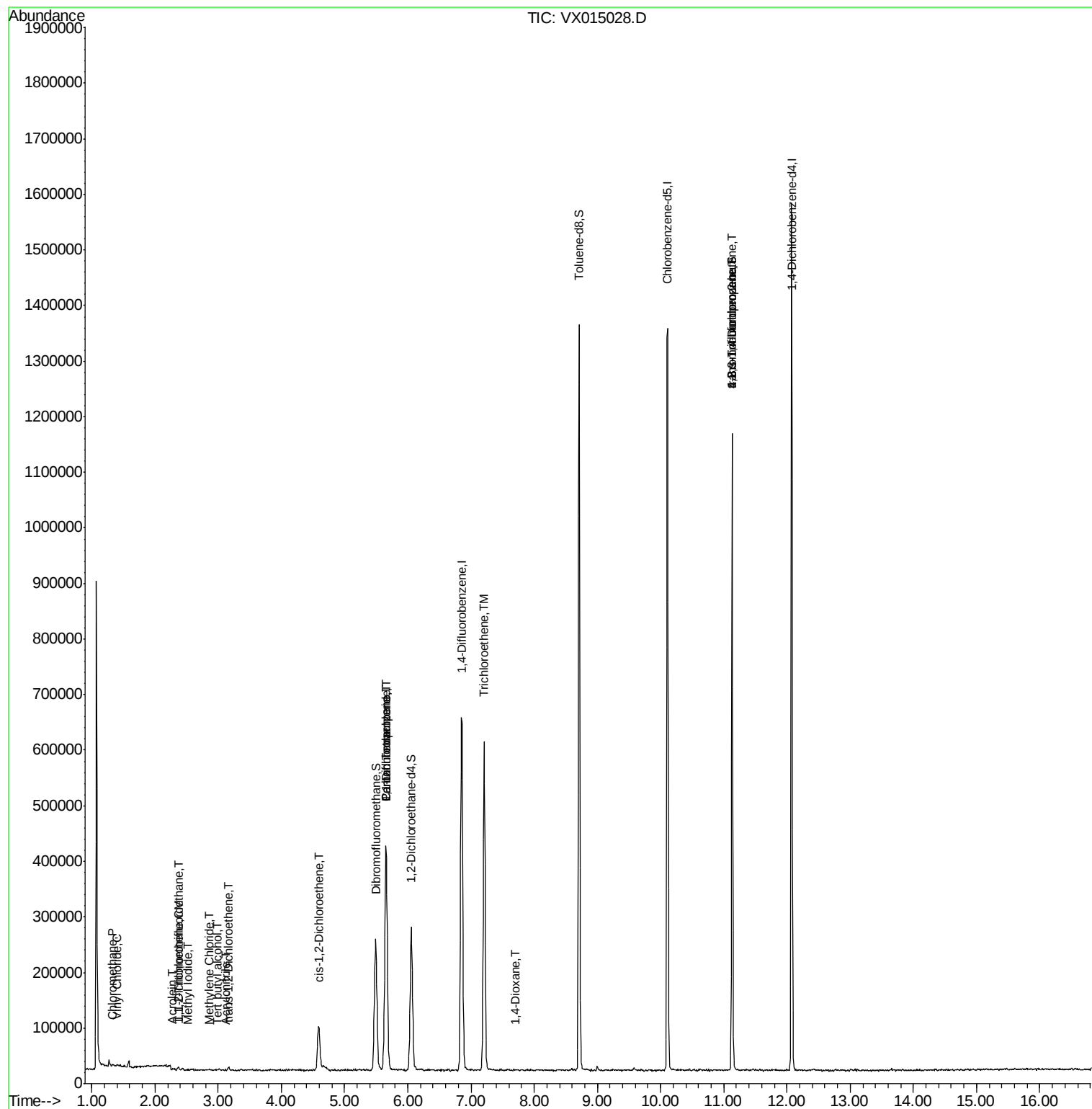
						Qvalue
3) Chloromethane	1.32	50	1017	0.229	ug/l #	28
4) Vinyl Chloride	1.40	62	1627	0.340	ug/l #	44
9) 1,1,2-Trichlorotrifluoroet	2.39	101	864	0.223	ug/l #	88
10) Methyl Iodide	2.52	142	564	4.488	ug/l #	80
11) Tert butyl alcohol	3.00	59	182	0.221	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1900	0.501	ug/l #	58
13) Acrolein	2.28	56	534	0.850	ug/l #	57
15) Acrylonitrile	3.12	53	503	0.241	ug/l #	91
16) Acetone	2.43	43	4228	Below Cal		97
20) Methylene Chloride	2.85	84	1819	0.405	ug/l #	68
21) trans-1,2-Dichloroethene	3.16	96	1950	0.466	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	54442	11.635	ug/l	87
36) 1,1-Dichloropropene	5.65	75	26667	4.522	ug/l #	51
38) Carbon Tetrachloride	5.65	117	35405	6.160	ug/l #	17
44) Trichloroethene	7.21	130	234518	45.844	ug/l	97
49) 1,4-Dioxane	7.71	88	92	0.985	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	144345	24.129	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	144345	61.762	ug/l #	12

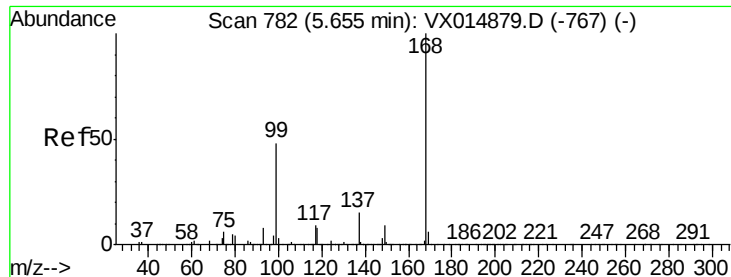
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

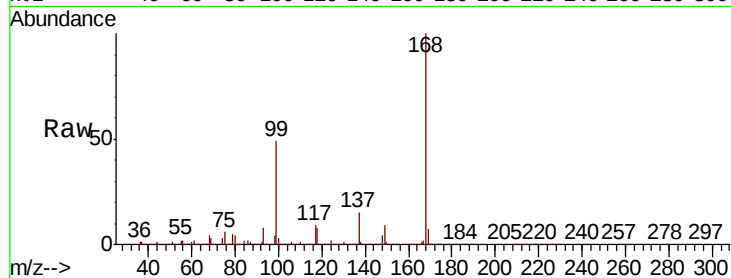
MH-140B-20200225DL

Tot Ion:168 Resp: 413881

Ion Ratio Lower Upper

168 100

99 48.5 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

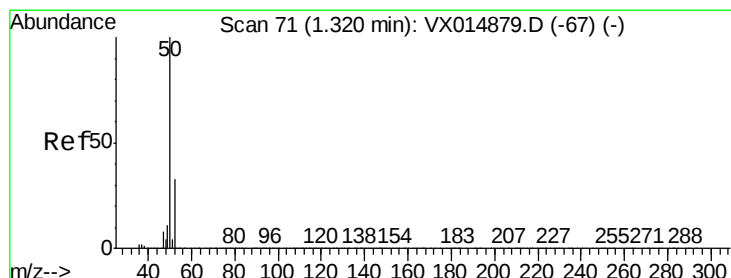
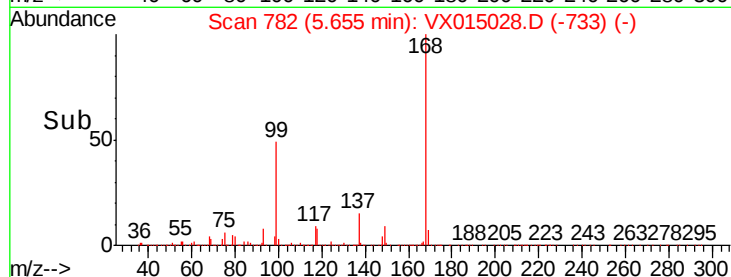
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.229 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015028.D

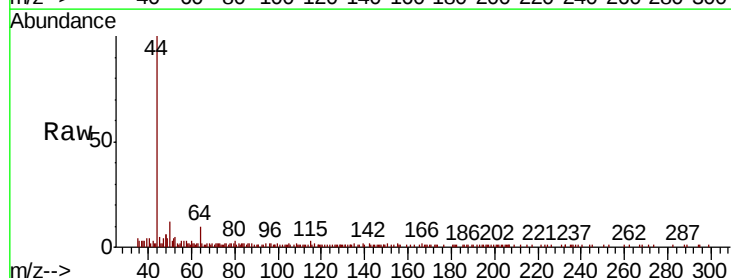
Acq: 26 Feb 2020 18:00

Tgt Ion: 50 Resp: 1017

Ion Ratio Lower Upper

50 100

52 73.1 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

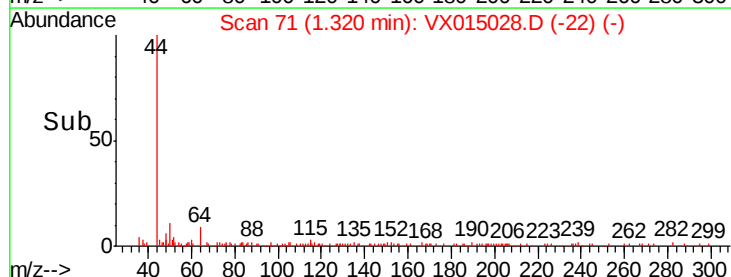
600

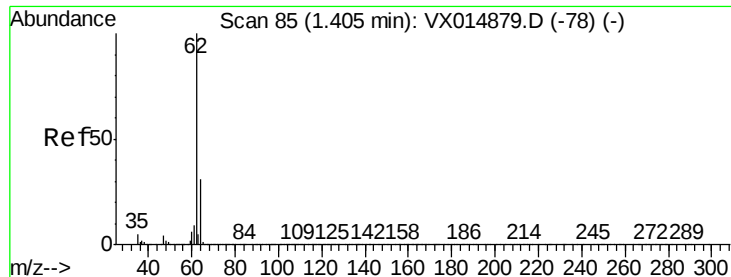
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.340 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

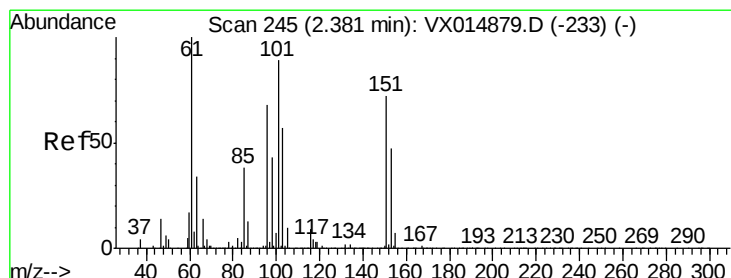
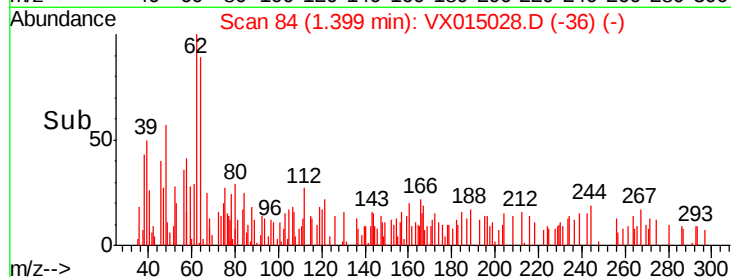
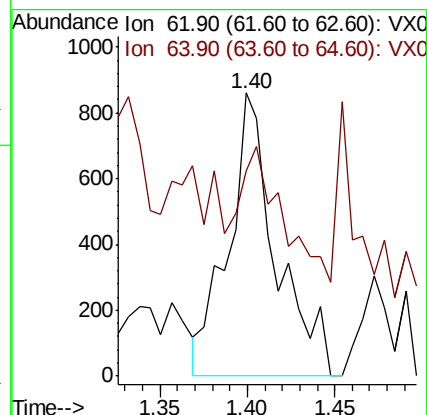
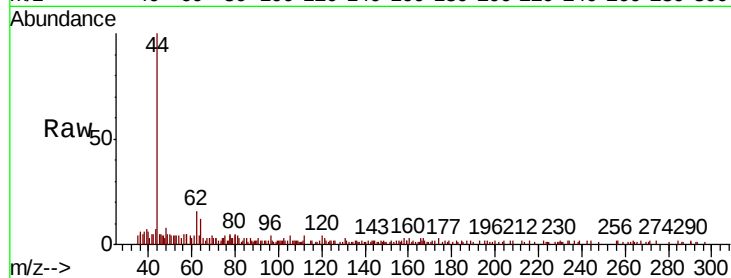
MH-140B-20200225DL

Tot Ion: 62 Resp: 1627

Ion Ratio Lower Upper

62 100

64 0.0 24.8 37.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.223 ug/l

RT: 2.39 min Scan# 246

Delta R.T. 0.01 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

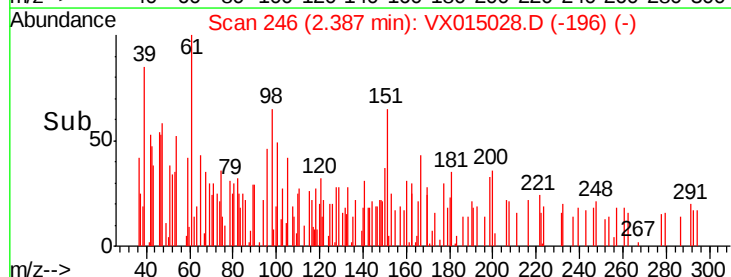
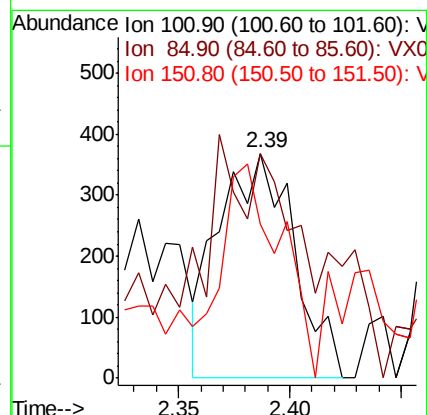
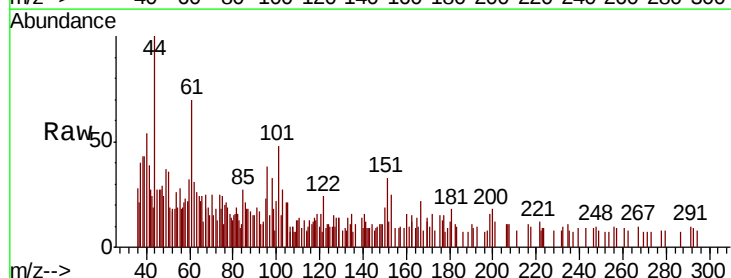
Tgt Ion: 101 Resp: 864

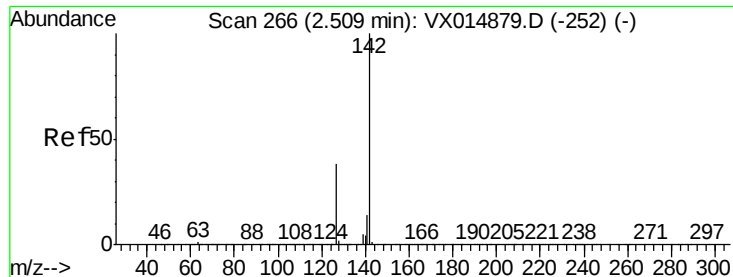
Ion Ratio Lower Upper

101 100

85 30.8 34.1 51.1#

151 75.7 67.3 100.9

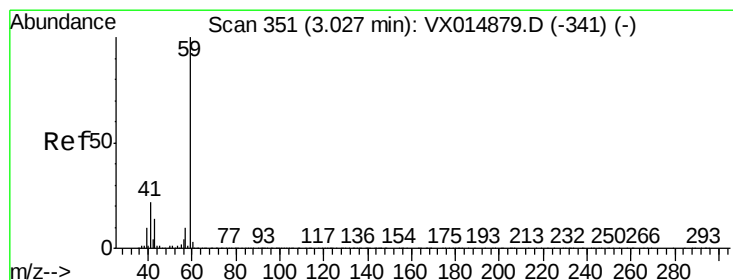
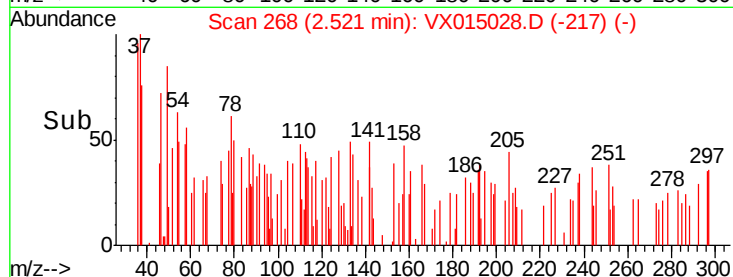
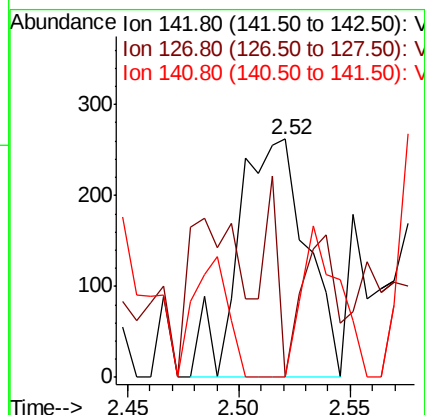
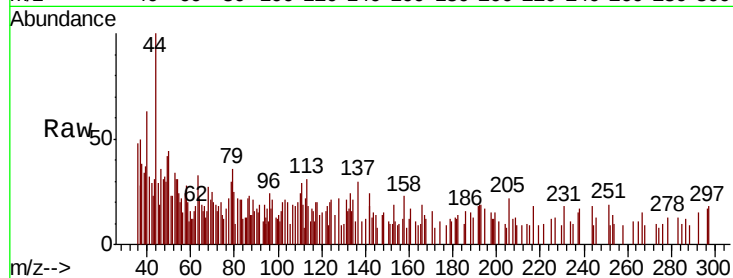




#10
Methyl Iodide
Concen: 4.488 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

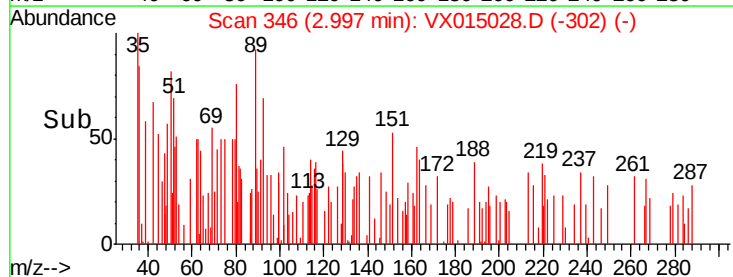
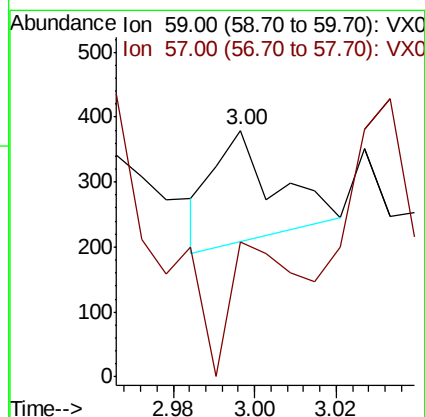
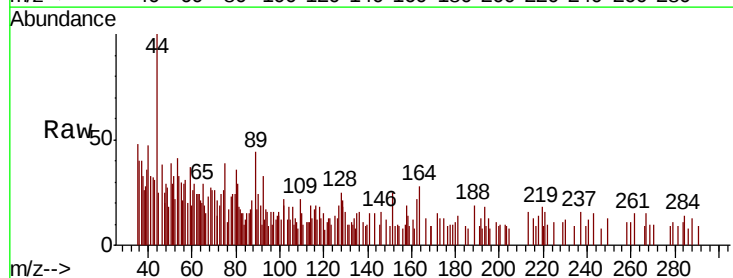
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200225DL

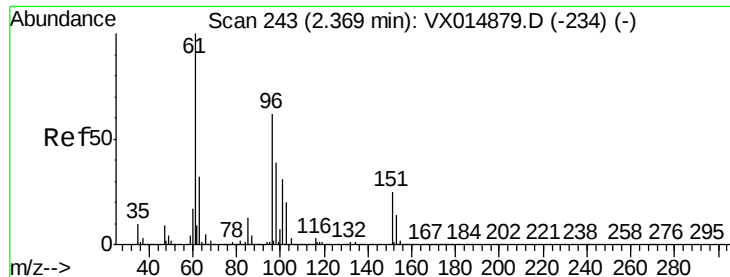
Tot Ion:142 Resp: 564
Ion Ratio Lower Upper
142 100
127 33.9 31.1 46.7
141 34.8 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.221 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.03 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 141.2 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.501 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20200225DL

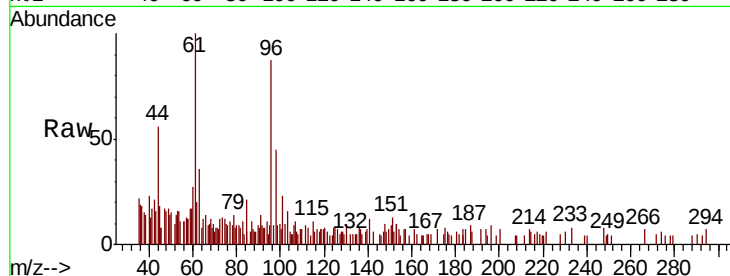
Tot Ion: 96 Resp: 1900

Ion Ratio Lower Upper

96 100

61 102.7 129.5 194.3#

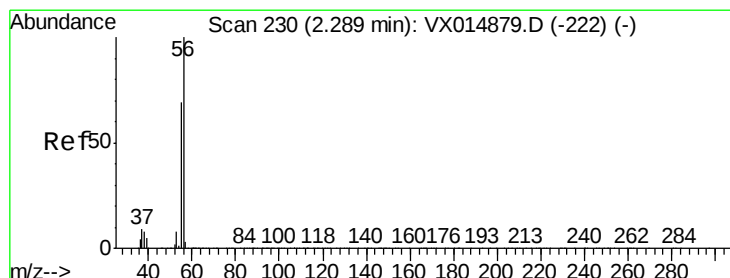
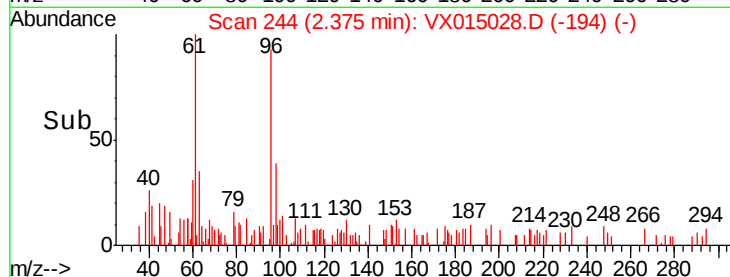
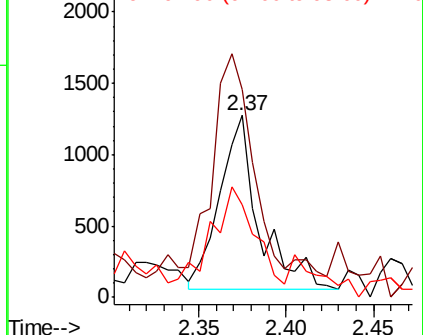
98 36.2 50.6 76.0#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.850 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015028.D

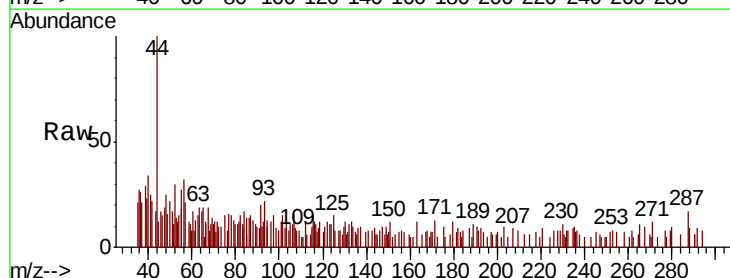
Acq: 26 Feb 2020 18:00

Tgt Ion: 56 Resp: 534

Ion Ratio Lower Upper

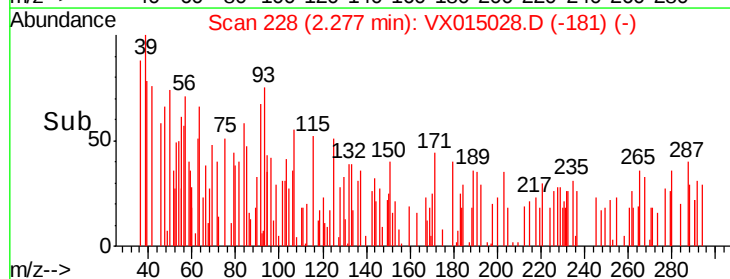
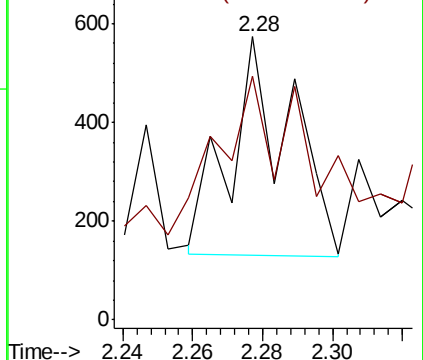
56 100

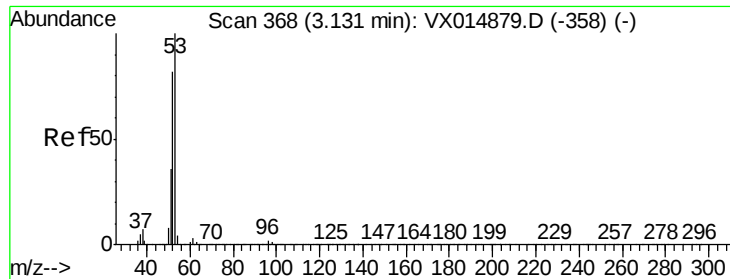
55 103.9 55.0 82.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.241 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.01 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

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ClientSampleId :

MH-140B-20200225DL

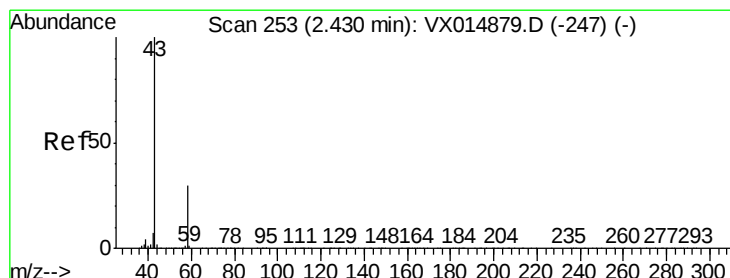
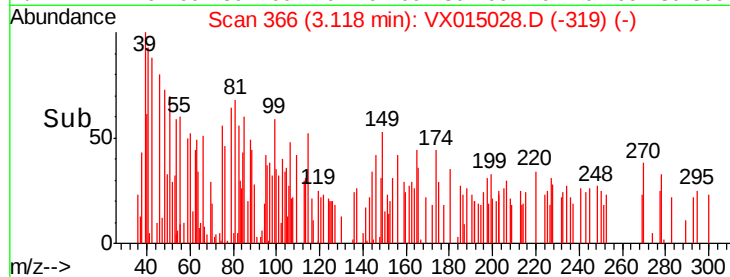
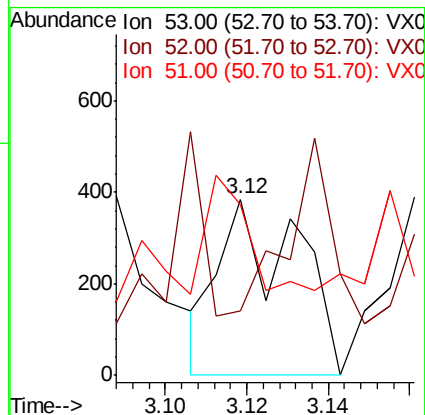
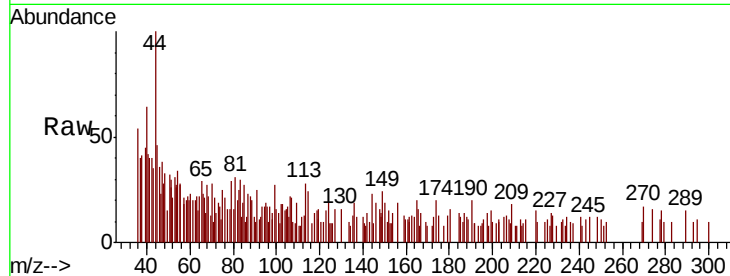
Tot Ion: 53 Resp: 503

Ion Ratio Lower Upper

53 100

52 76.9 65.8 98.6

51 45.9 29.1 43.7#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015028.D

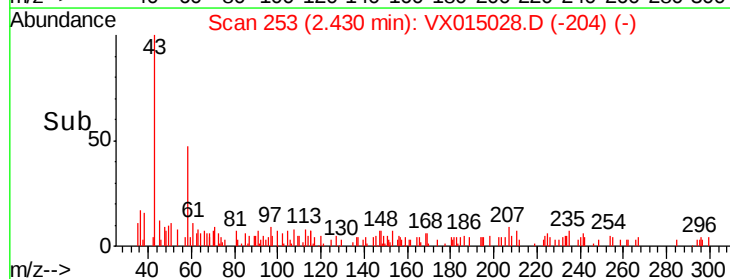
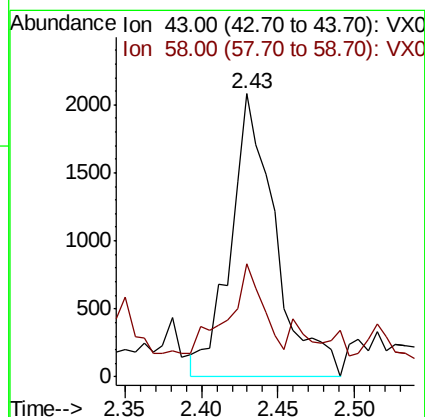
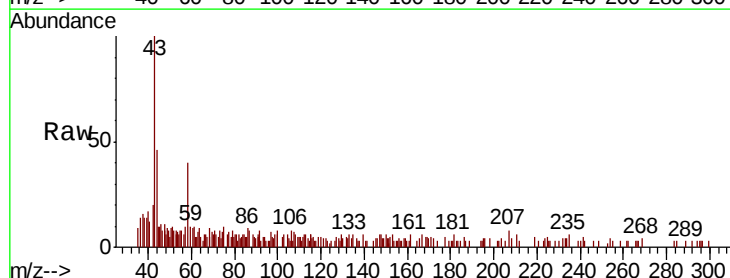
Acq: 26 Feb 2020 18:00

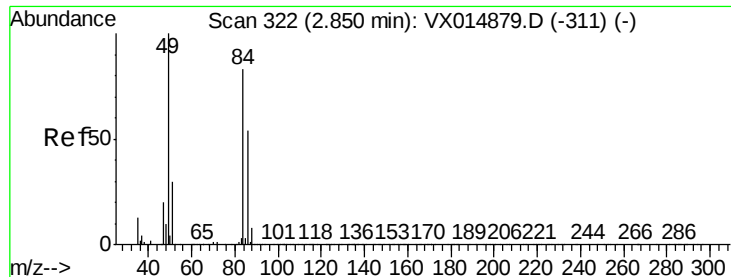
Tgt Ion: 43 Resp: 4228

Ion Ratio Lower Upper

43 100

58 31.7 24.1 36.1

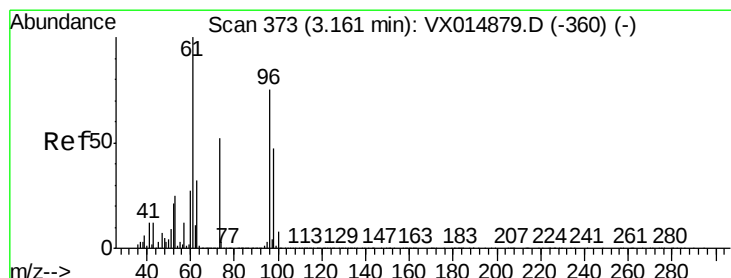
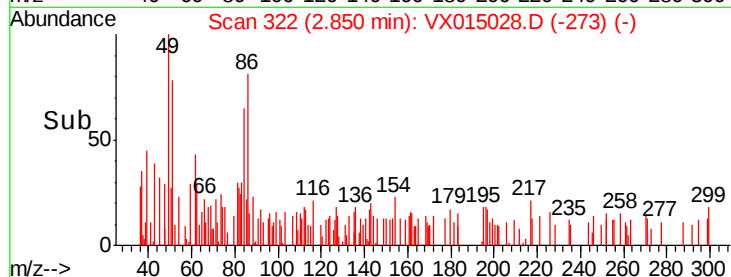
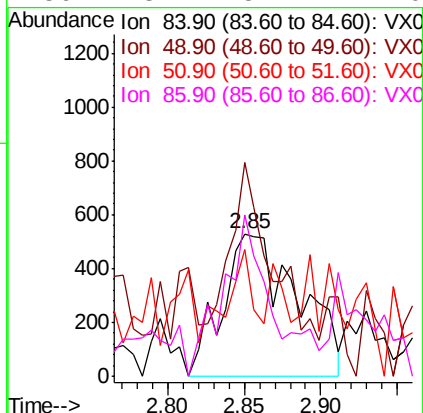
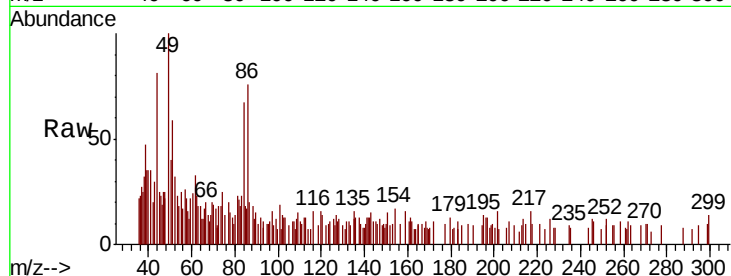




#20
Methylene Chloride
Concen: 0.405 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

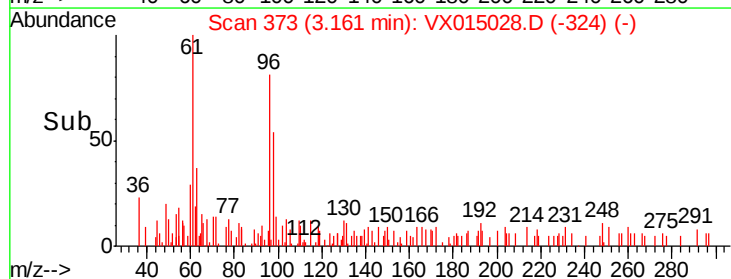
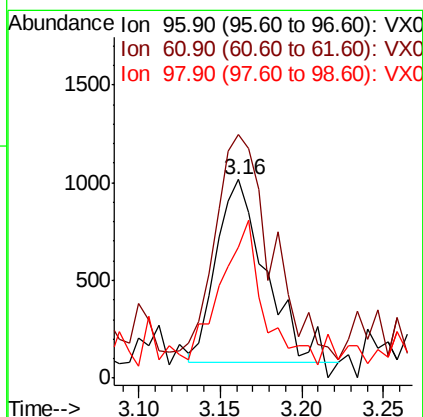
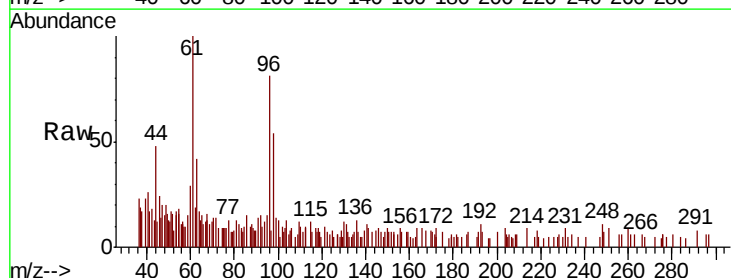
Instrument :
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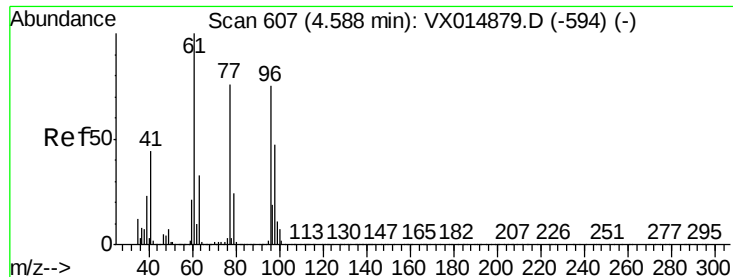
Tot Ion:	84	Resp:	1819
Ion	Ratio	Lower	Upper
84	100		
49	94.2	95.6	143.4#
51	41.9	29.0	43.6
86	113.4	51.4	77.0#



#21
trans-1,2-Dichloroethene
Concen: 0.466 ug/l
RT: 3.16 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

Tgt Ion:	96	Resp:	1950
Ion	Ratio	Lower	Upper
96	100		
61	123.2	106.9	160.3
98	61.7	50.7	76.1



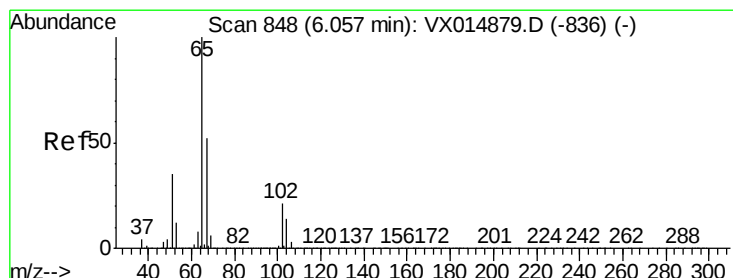
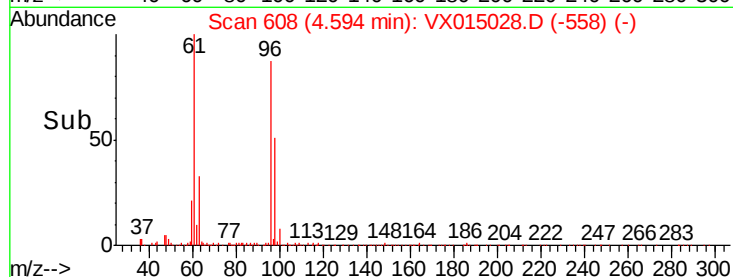
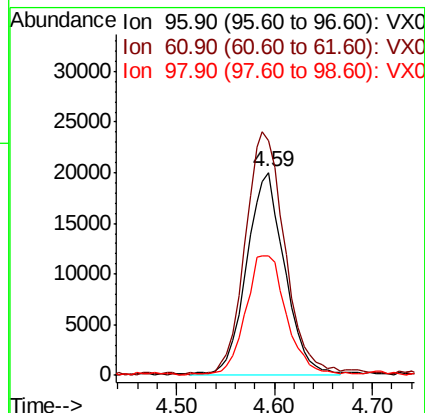
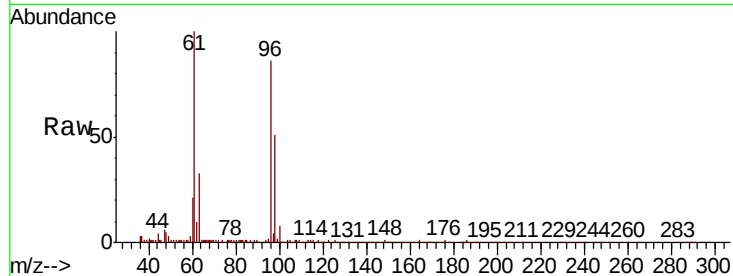


#27

cis-1,2-Dichloroethene
Concen: 11.635 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200225DL

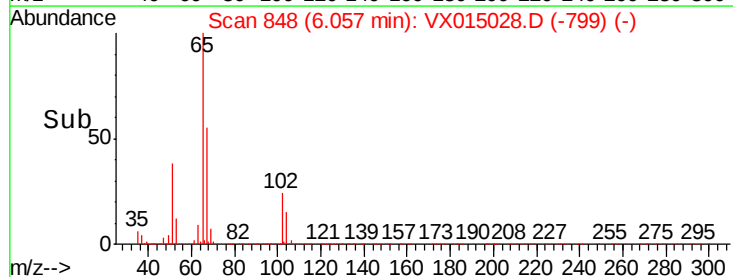
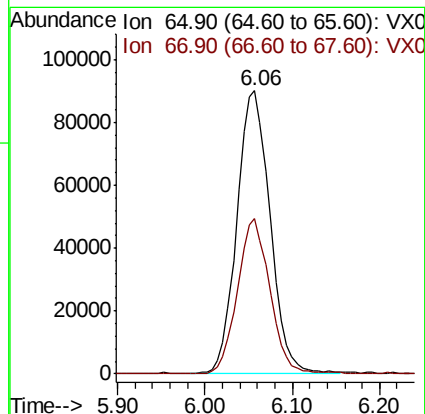
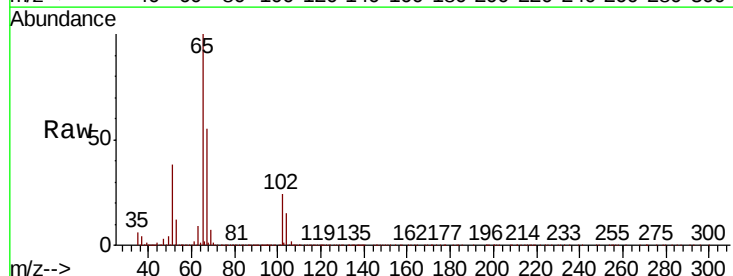
Tot Ion: 96 Resp: 54442
Ion Ratio Lower Upper
96 100
61 123.1 0.0 286.2
98 61.5 0.0 131.0

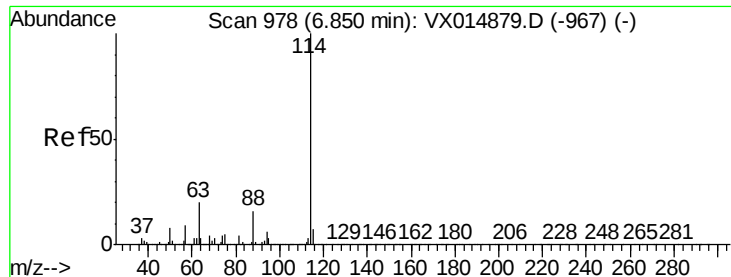


#33

1,2-Dichloroethane-d4
Concen: 50.755 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

Tgt Ion: 65 Resp: 237075
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20200225DL

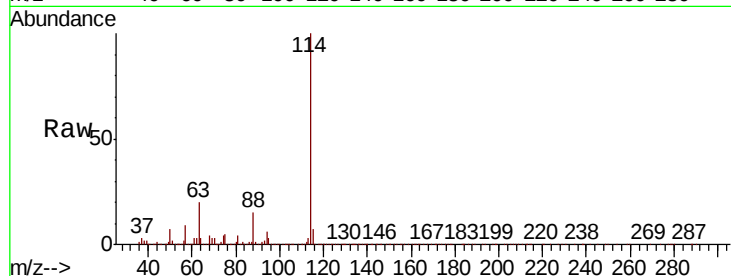
Tot Ion:114 Resp: 659319

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

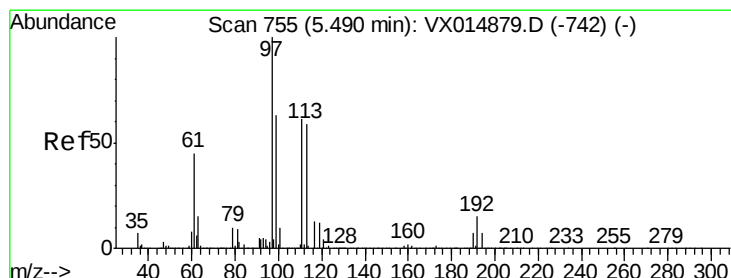
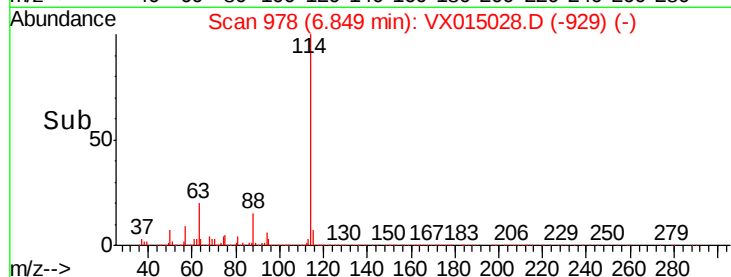
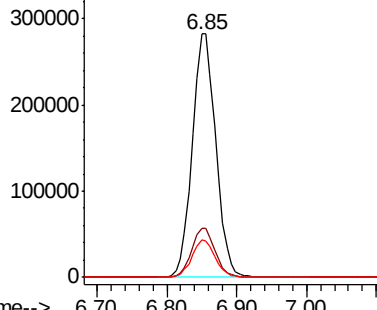
88 15.1 0.0 32.0



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: 49.898 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

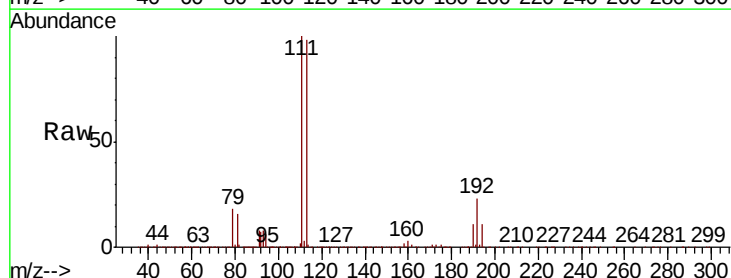
Tgt Ion:113 Resp: 202255

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

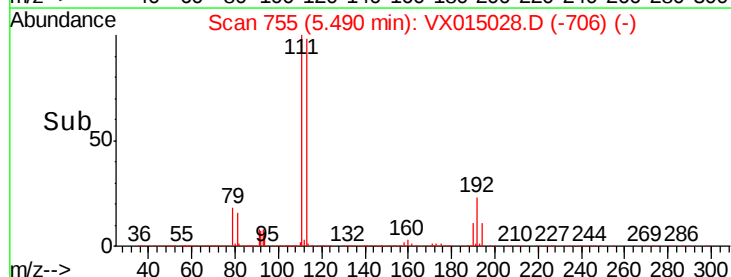
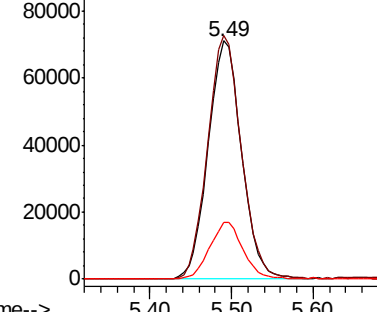
192 24.0 19.1 28.7

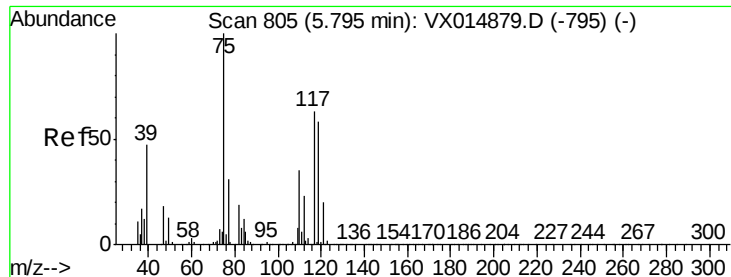


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

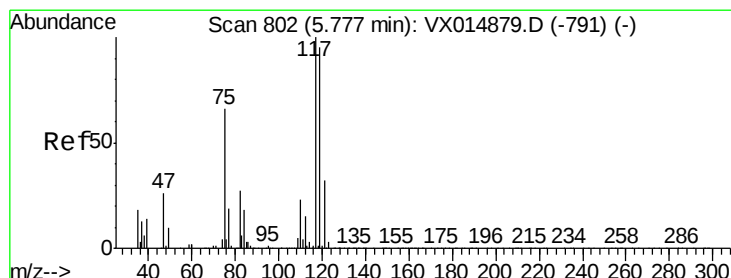
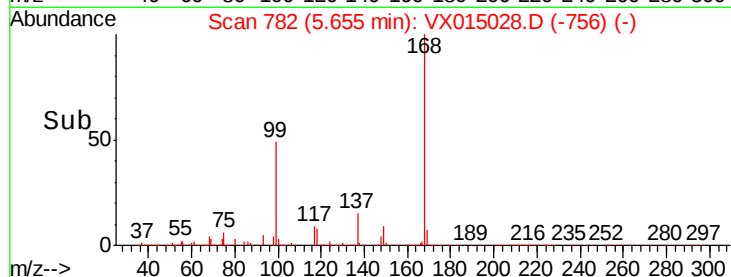
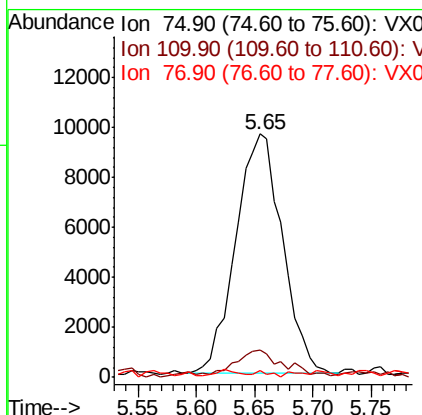
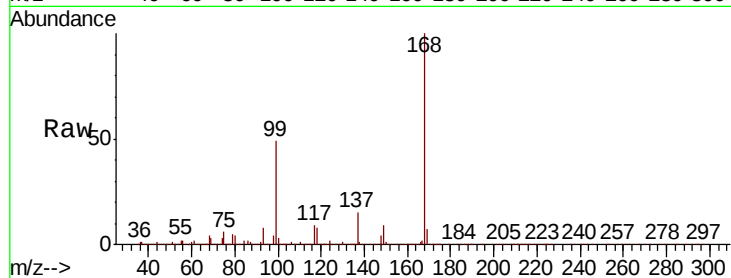




#36
 1,1-Dichloropropene
 Concen: 4.522 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015028.D
 Acq: 26 Feb 2020 18:00

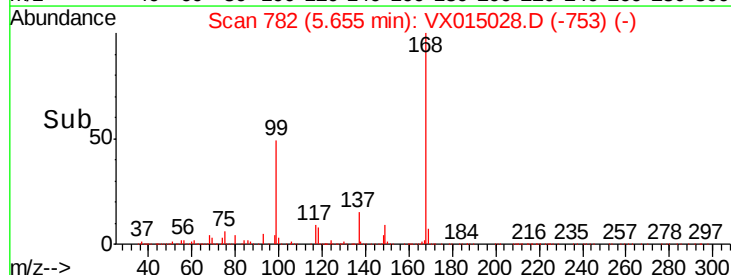
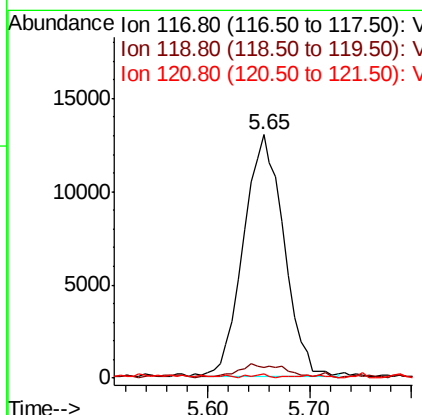
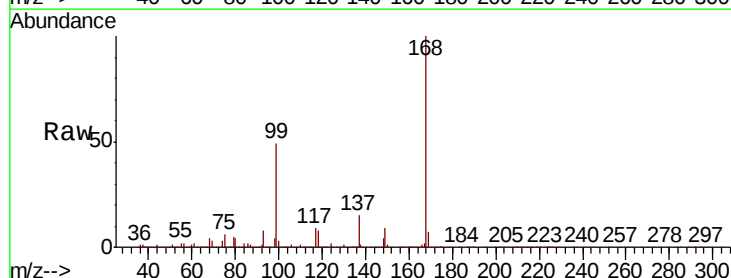
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-140B-20200225DL

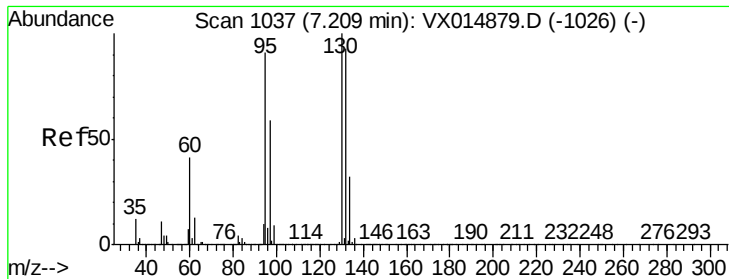
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.3	54.8#
77	1.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.160 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015028.D
 Acq: 26 Feb 2020 18:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.0	114.0#
121	2.0	25.4	38.2#





#44

Trichloroethene

Concen: 45.844 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

MH-140B-20200225DL

Tot Ion:130 Resp: 234518

Ion Ratio Lower Upper

130 100

95 88.9 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

120000

100000

80000

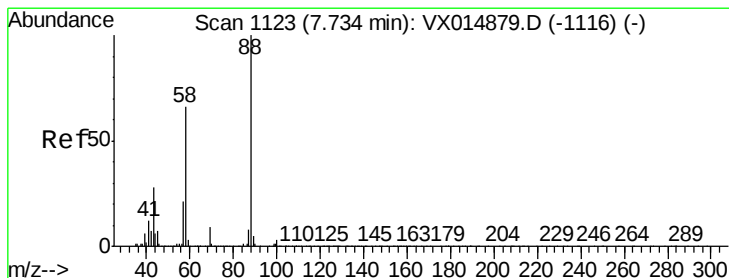
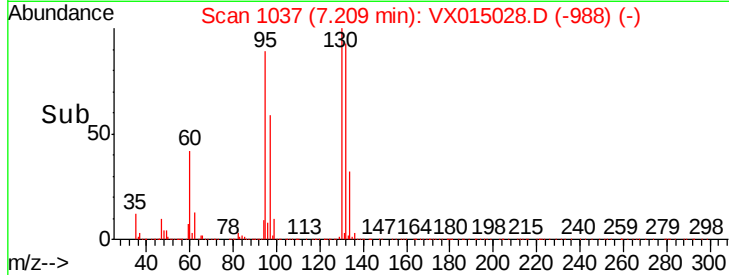
60000

40000

20000

0

Time-->



#49

1,4-Dioxane

Concen: 0.985 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

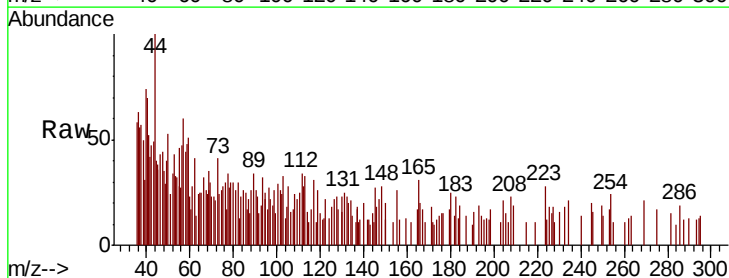
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 203.3 27.0 40.4#

58 223.9 53.2 79.8#



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

600

500

400

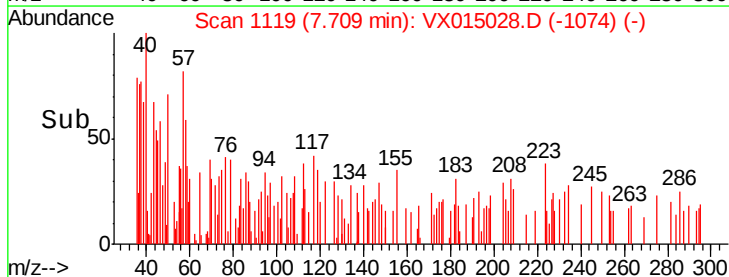
300

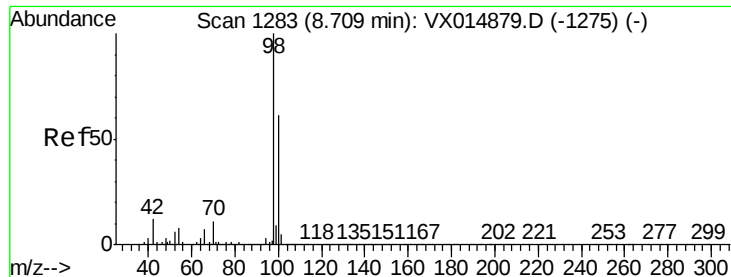
200

100

0

Time-->





#50

Toluene-d8

Concen: 51.096 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

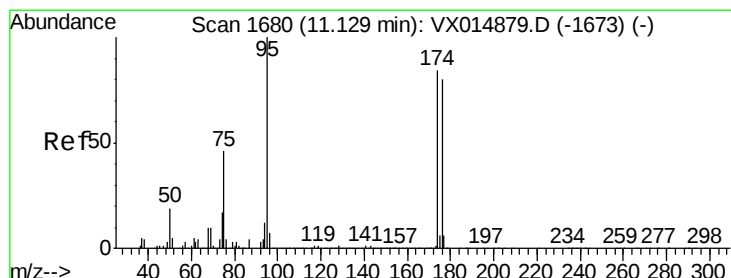
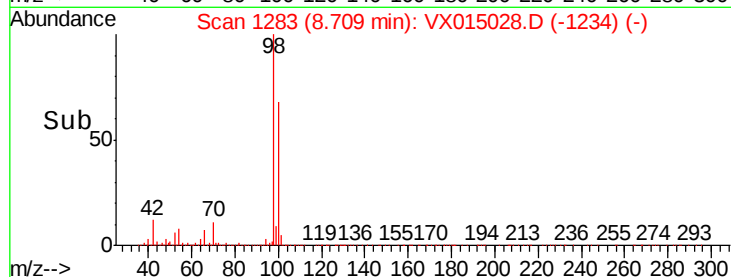
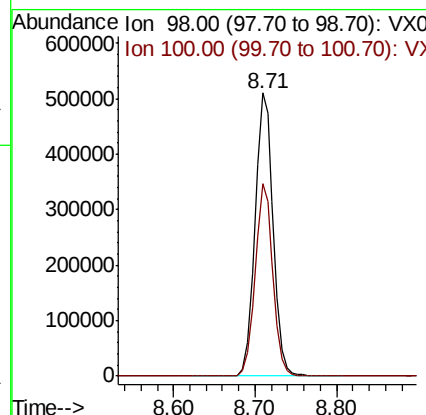
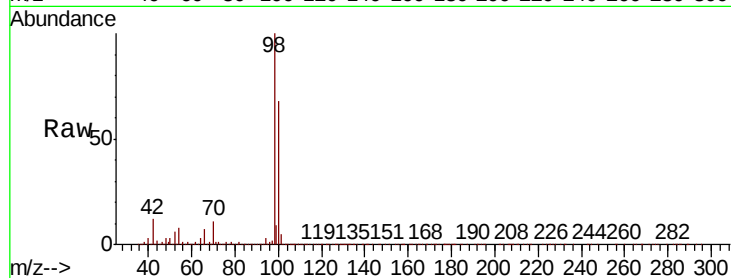
MH-140B-20200225DL

Tot Ion: 98 Resp: 790556

Ion Ratio Lower Upper

98 100

100 66.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.022 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

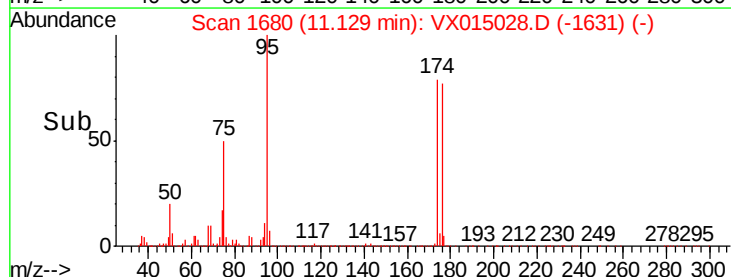
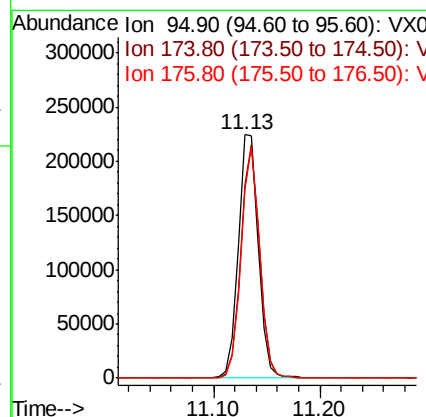
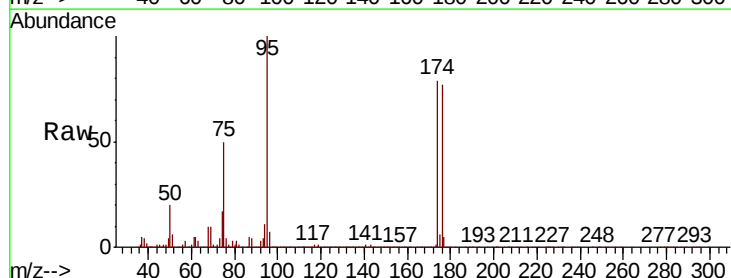
Tgt Ion: 95 Resp: 295517

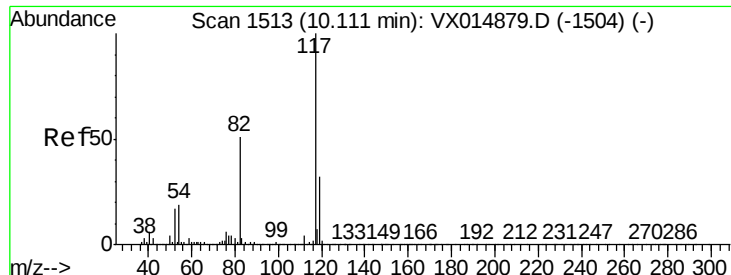
Ion Ratio Lower Upper

95 100

174 90.5 0.0 183.0

176 88.3 0.0 178.0

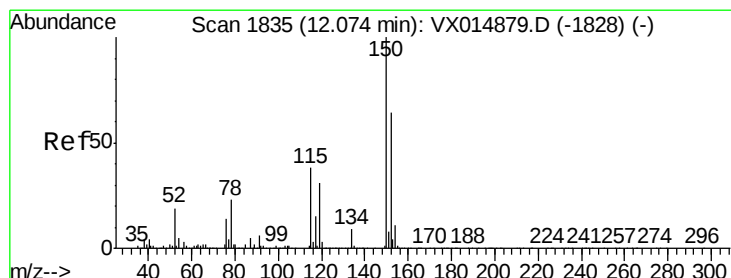
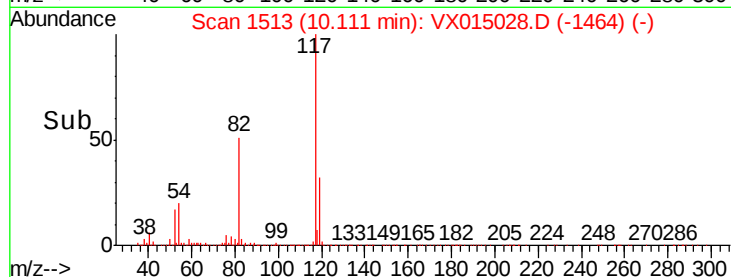
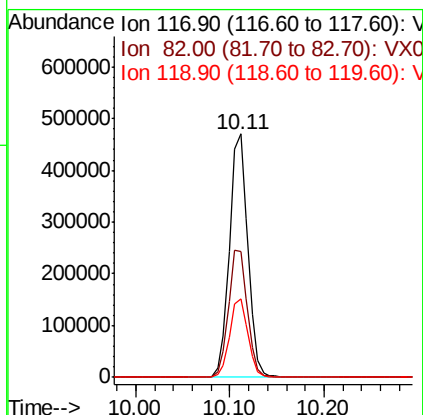
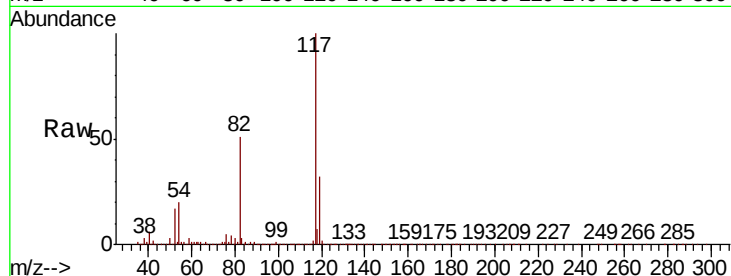




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

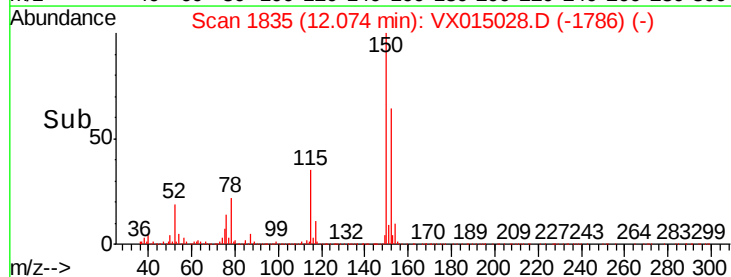
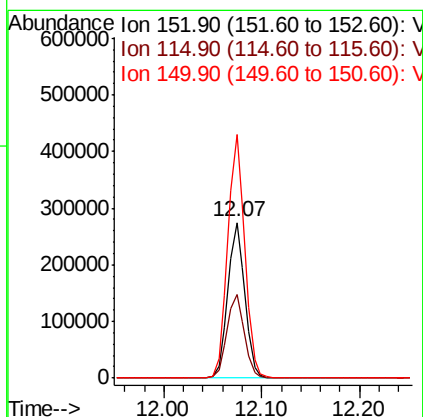
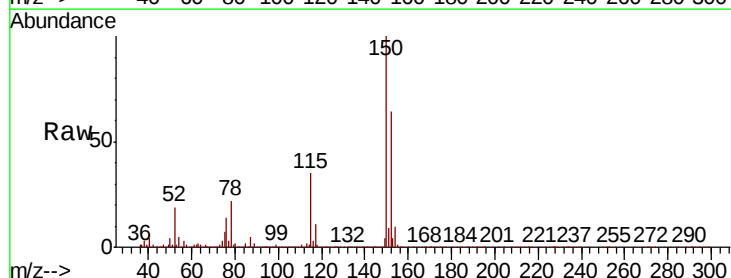
Instrument :
MSVOA_X
ClientSampleId :
MH-140B-20200225DL

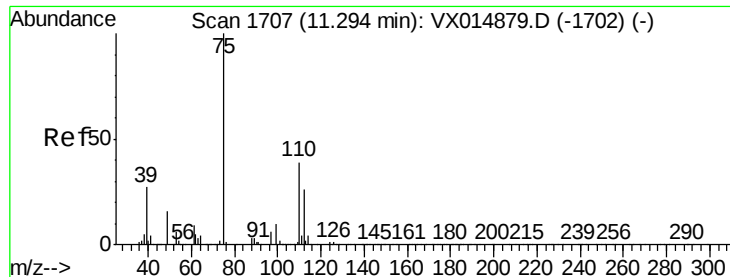
Tot Ion:117 Resp: 637533
Ion Ratio Lower Upper
117 100
82 51.5 40.5 60.7
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015028.D
Acq: 26 Feb 2020 18:00

Tgt Ion:152 Resp: 330821
Ion Ratio Lower Upper
152 100
115 55.1 38.6 116.0
150 157.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.129 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

Instrument :

MSVOA_X

ClientSampleId :

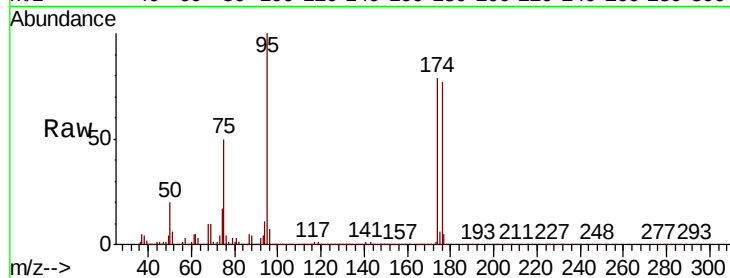
MH-140B-20200225DL

Tot Ion: 75 Resp: 144345

Ion Ratio Lower Upper

75 100

77 1.3 18.4 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

120000

100000

80000

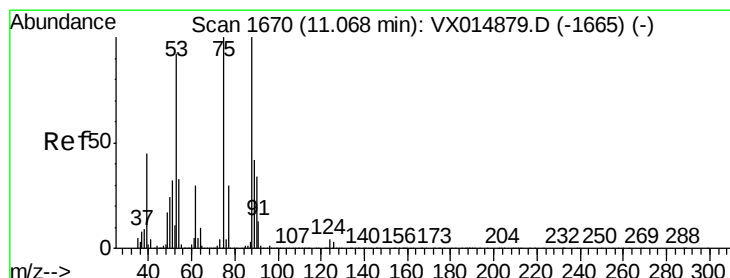
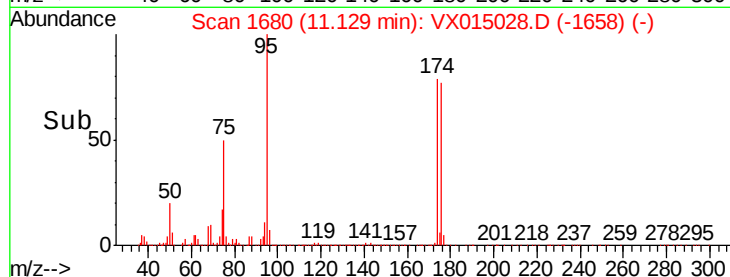
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.762 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015028.D

Acq: 26 Feb 2020 18:00

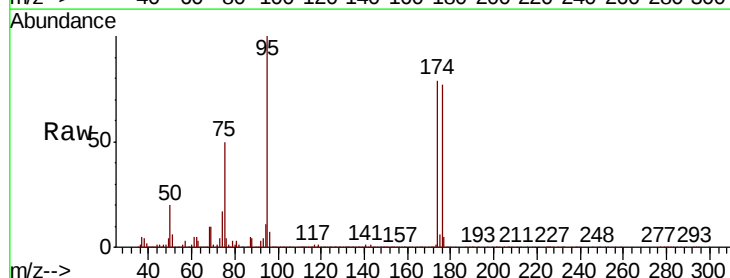
Tgt Ion: 75 Resp: 144345

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 35.8 53.6#



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

150000

100000

50000

0

Time-->

