

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015680.D
 Acq On : 15 Apr 2020 14:07
 Operator : JC/SP
 Sample : L2233-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW040-200408

Quant Time: Apr 16 05:50:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1086165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1670150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1587787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	878201	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	654780	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	
35) Dibromofluoromethane	5.47	113	508663	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.70	98	1995233	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.12	95	835108	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	

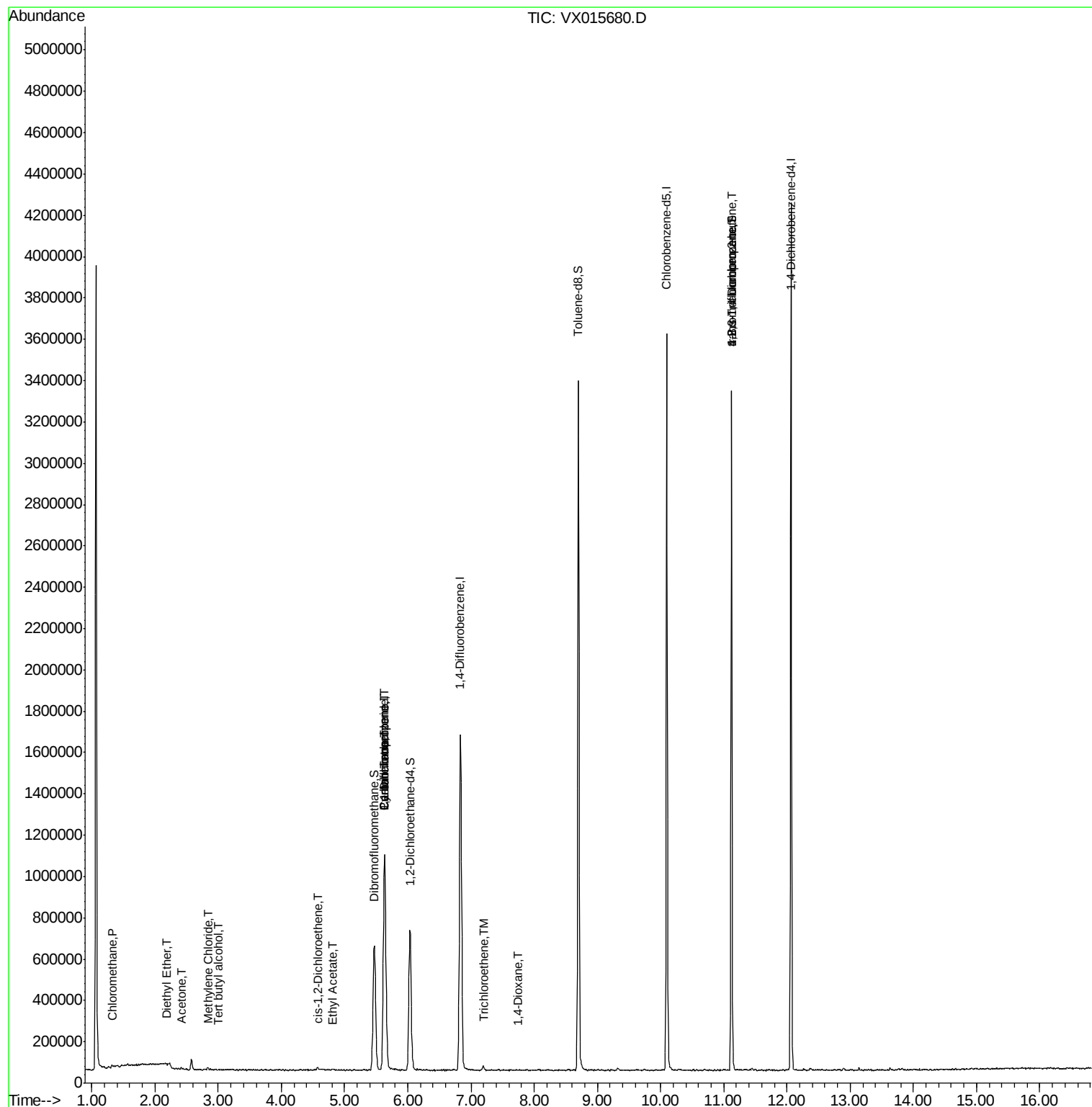
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2534	0.208	ug/l #	71
5) Bromomethane	1.63	94	855	Below Cal	#	49
8) Diethyl Ether	2.18	74	1585	0.250	ug/l	50
11) Tert butyl alcohol	3.01	59	2425	0.661	ug/l #	73
16) Acetone	2.42	43	8795	1.336	ug/l #	68
20) Methylene Chloride	2.84	84	5081	0.413	ug/l #	82
27) cis-1,2-Dichloroethene	4.58	96	6448	0.490	ug/l	87
31) Cyclohexane	5.63	56	20016	1.032	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	74794	4.860	ug/l #	53
37) Ethyl Acetate	4.81	43	9267	0.462	ug/l #	78
38) Carbon Tetrachloride	5.63	117	100139	6.008	ug/l #	14
44) Trichloroethene	7.20	130	10486	0.853	ug/l	52
49) 1,4-Dioxane	7.74	88	690	2.189	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	421751	23.353	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	421751	56.035	ug/l #	10

(#) = 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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

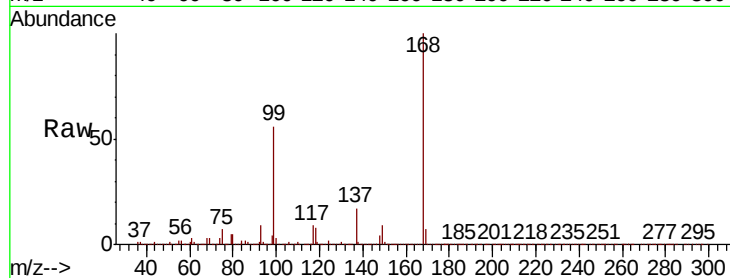
ST008MW040-200408

Tot Ion:168 Resp: 1086165

Ion Ratio Lower Upper

168 100

99 56.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

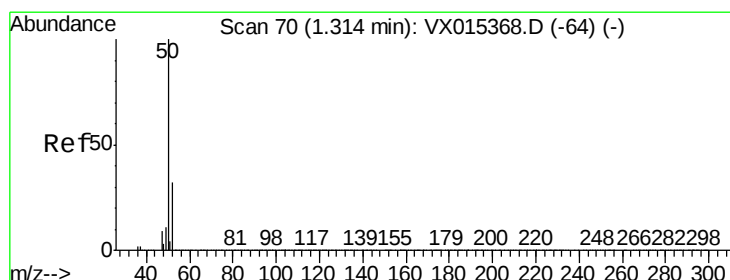
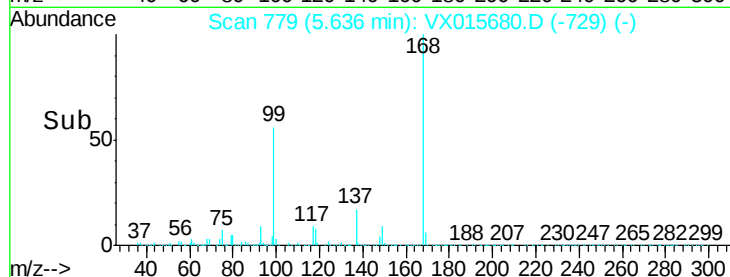
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015680.D

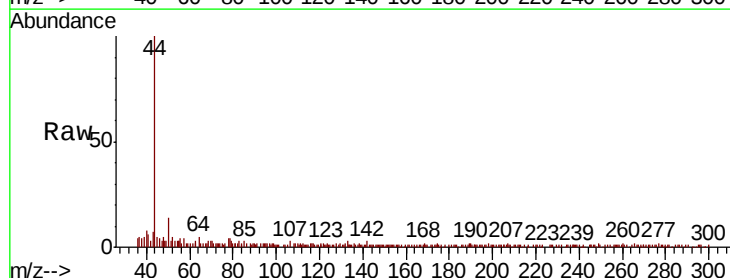
Acq: 15 Apr 2020 14:07

Tgt Ion: 50 Resp: 2534

Ion Ratio Lower Upper

50 100

52 15.4 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

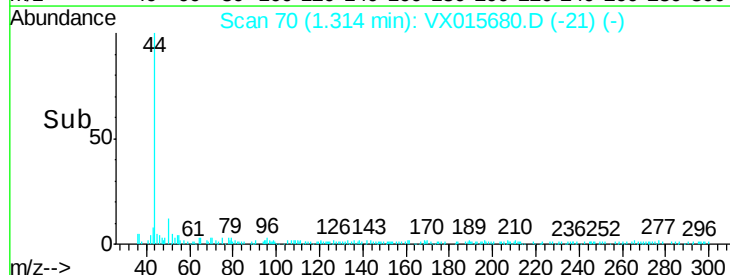
1500

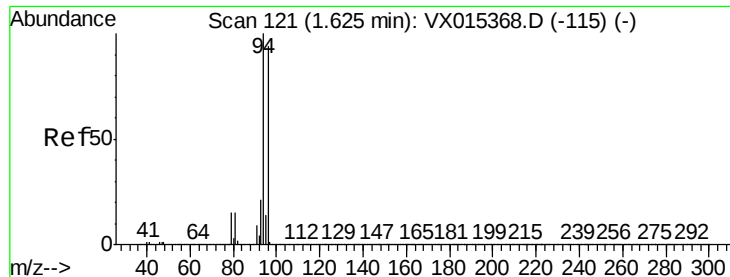
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

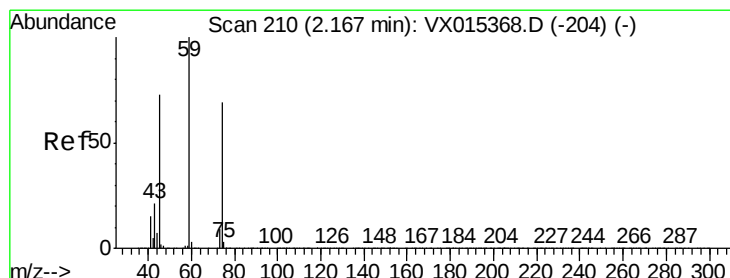
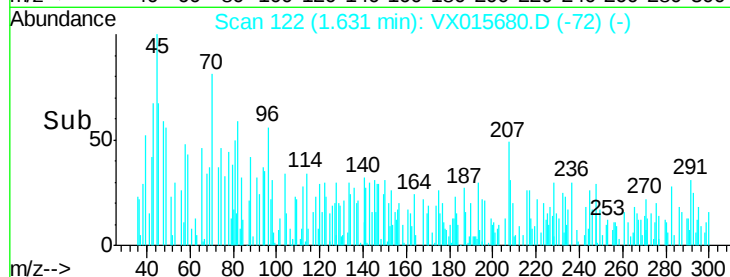
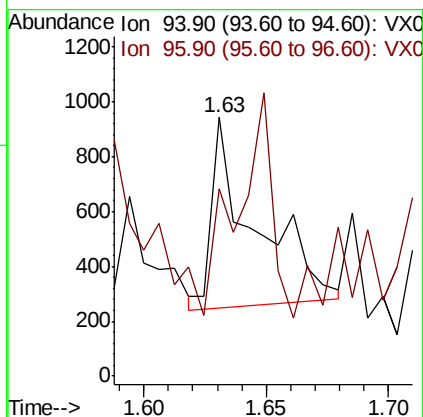
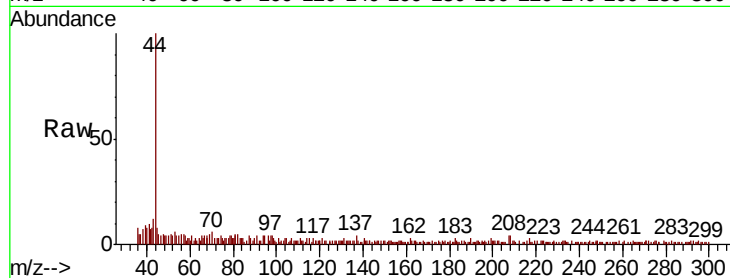
ST008MW040-200408

Tot Ion: 94 Resp: 855

Ion Ratio Lower Upper

94 100

96 44.1 74.8 112.2#



#8

Diethyl Ether

Concen: 0.250 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX015680.D

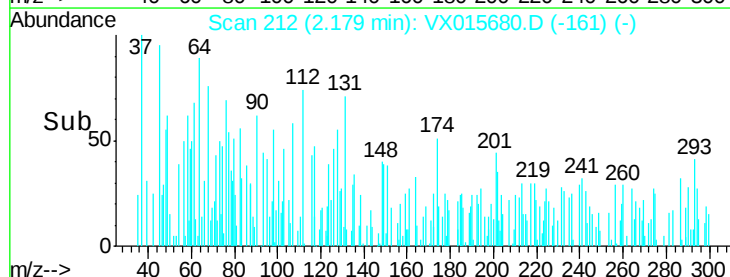
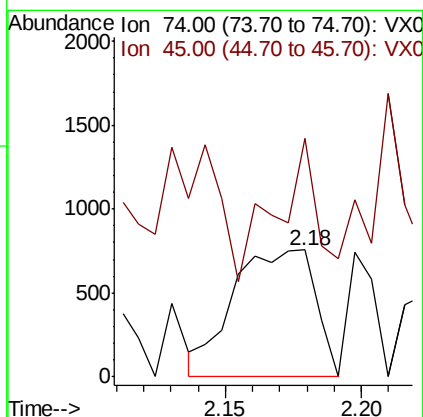
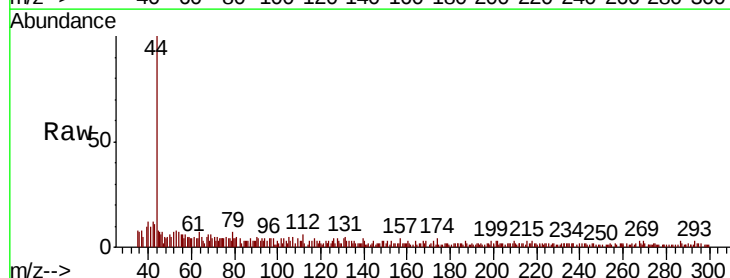
Acq: 15 Apr 2020 14:07

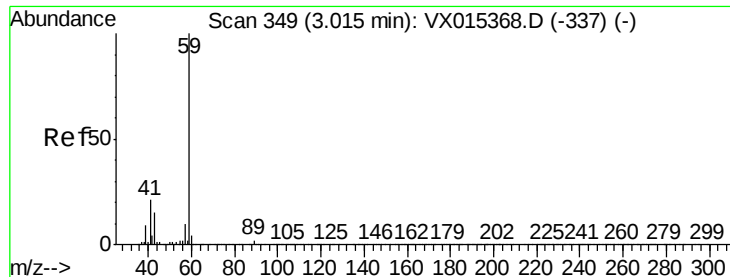
Tgt Ion: 74 Resp: 1585

Ion Ratio Lower Upper

74 100

45 55.4 53.8 161.4

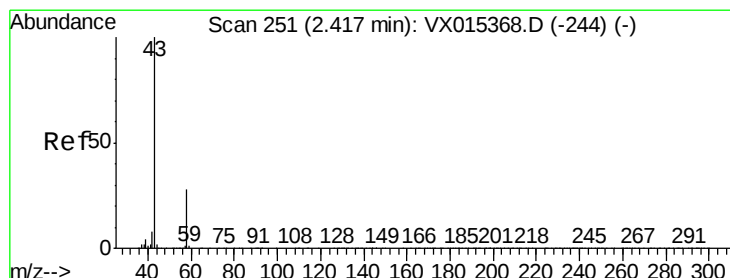
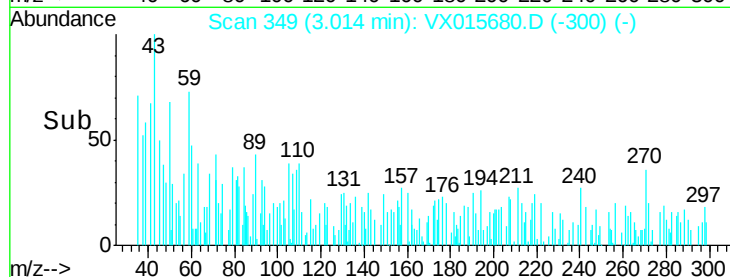
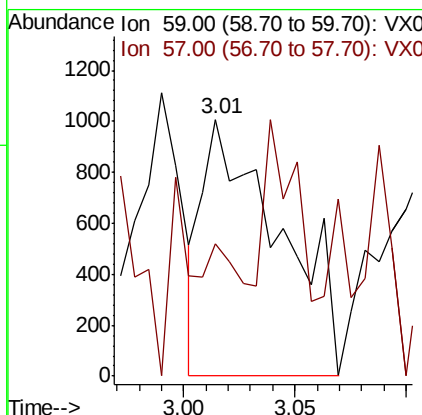
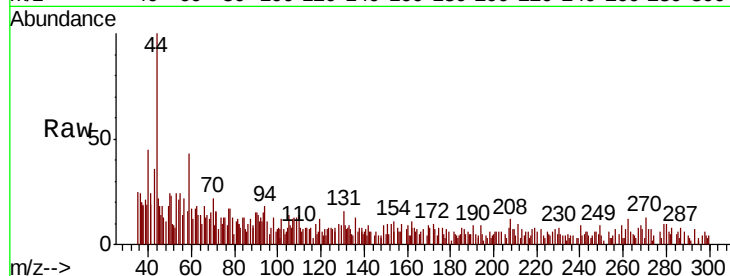




#11
Tert butyl alcohol
Concen: 0.661 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.00 min
Lab File: VX015680.D
Acq: 15 Apr 2020 14:07

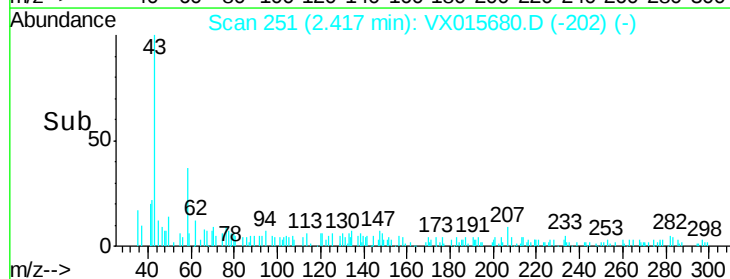
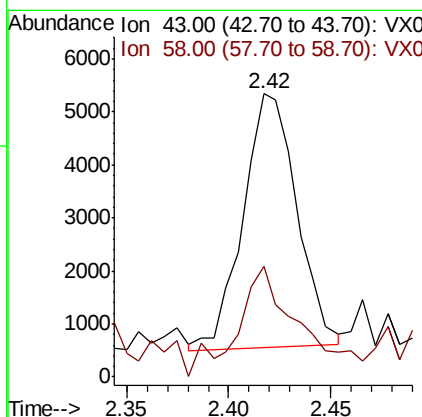
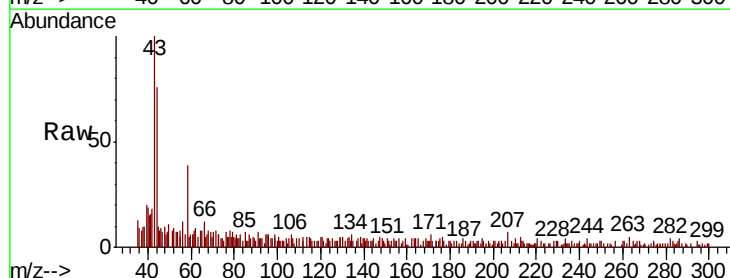
Instrument :
MSVOA_X
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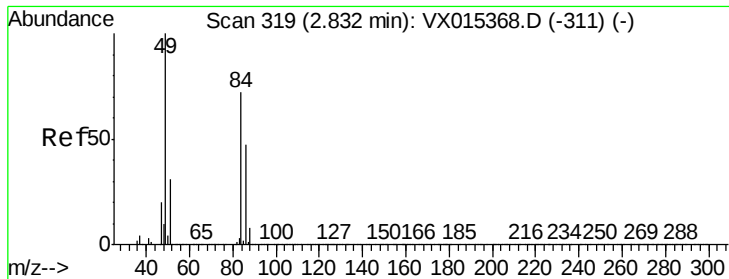
Tot Ion: 59 Resp: 2425
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 1.336 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015680.D
Acq: 15 Apr 2020 14:07

Tgt Ion: 43 Resp: 8795
Ion Ratio Lower Upper
43 100
58 44.4 22.1 33.1#

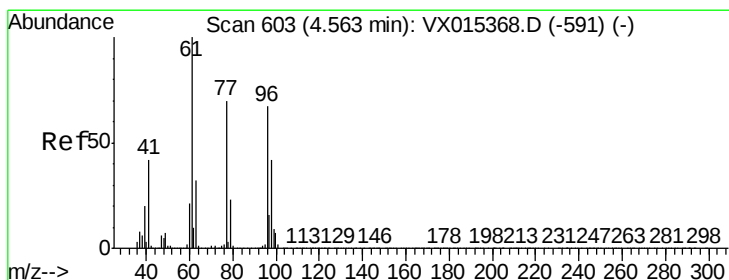
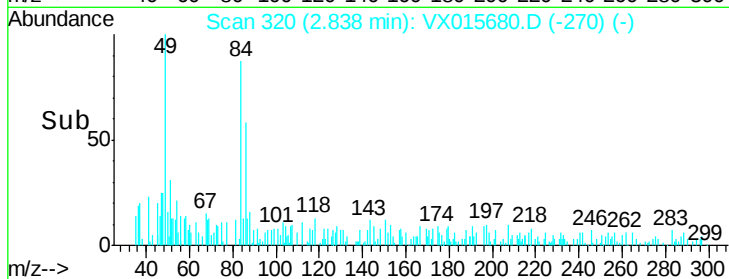
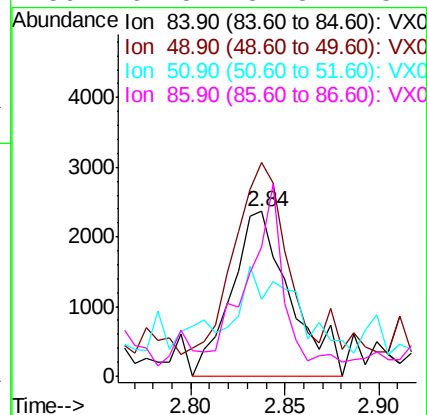
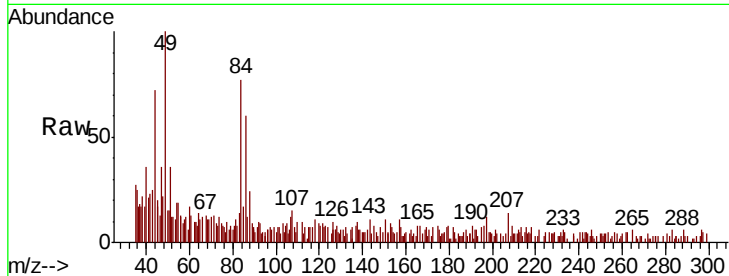




#20
Methvlene Chloride
Concen: 0.413 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015680.D
Acq: 15 Apr 2020 14:07

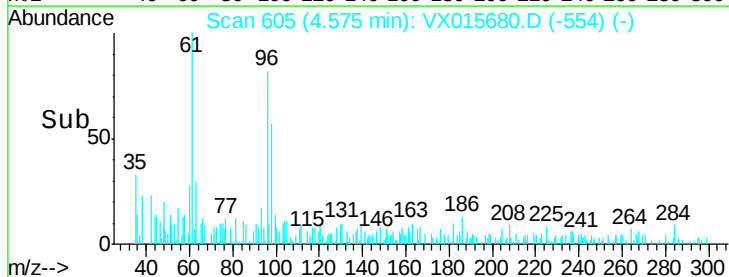
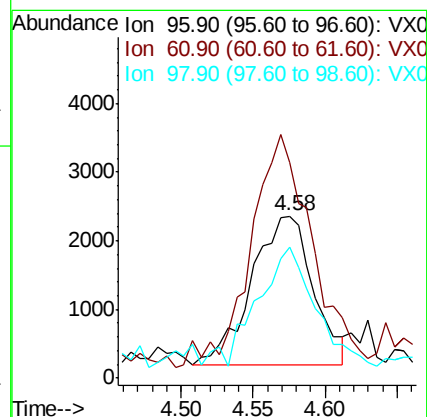
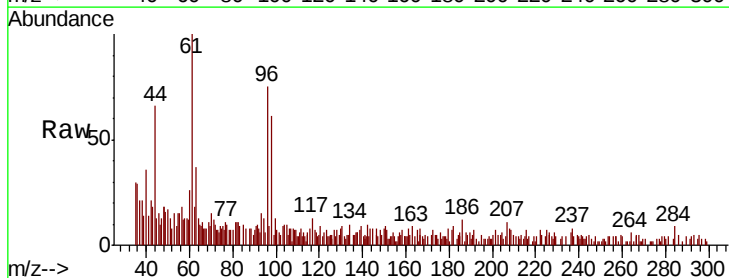
Instrument :
MSVOA_X
ClientSampleId :
ST008MW040-200408

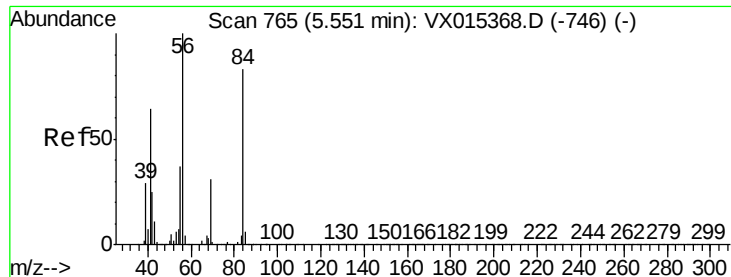
Tot Ion: 84 Resp: 5081
Ion Ratio Lower Upper
84 100
49 113.1 111.3 166.9
51 24.3 34.0 51.0#
86 62.8 52.5 78.7



#27
cis-1,2-Dichloroethene
Concen: 0.490 ug/l
RT: 4.58 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX015680.D
Acq: 15 Apr 2020 14:07

Tgt Ion: 96 Resp: 6448
Ion Ratio Lower Upper
96 100
61 137.1 0.0 308.4
98 73.7 0.0 129.2

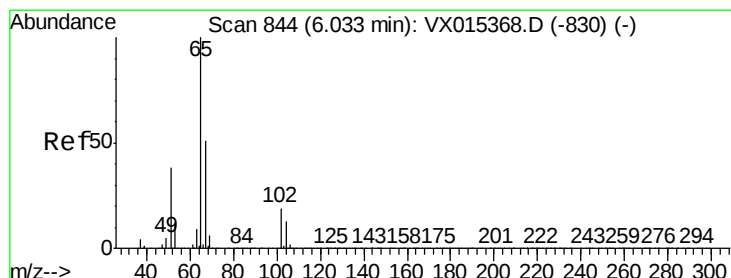
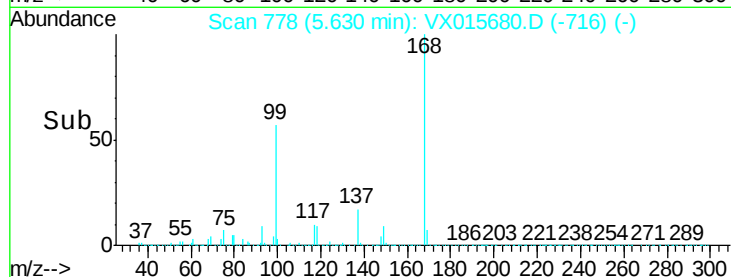
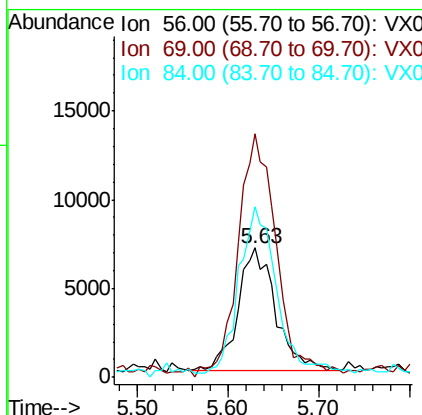
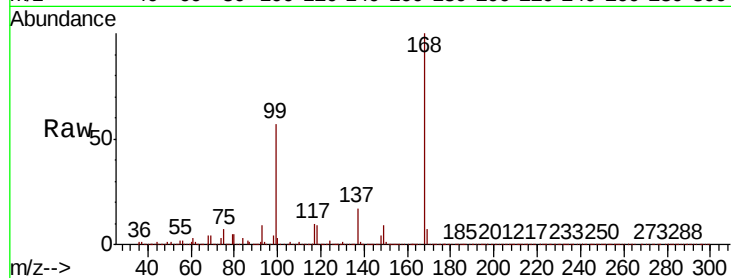




#31
Cvclohexane
Concen: 1.032 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015680.D
Acq: 15 Apr 2020 14:07

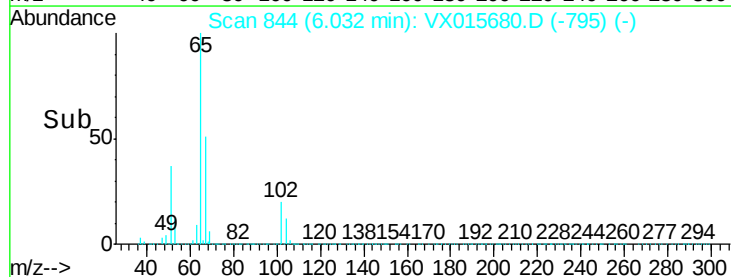
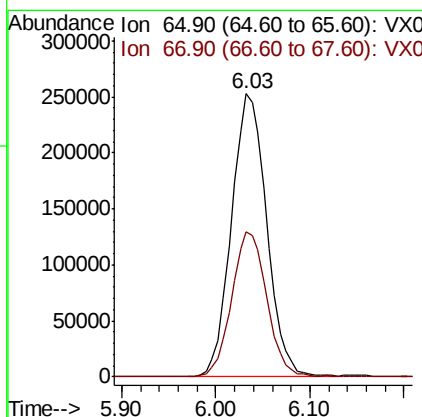
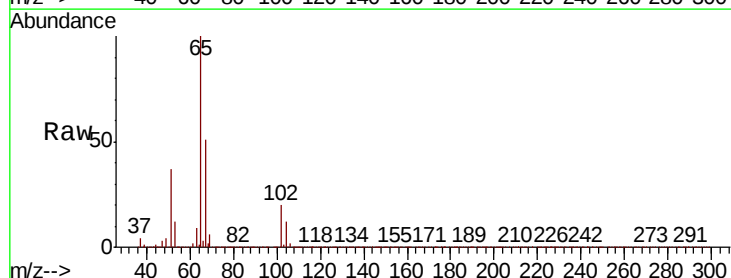
Instrument :
MSVOA_X
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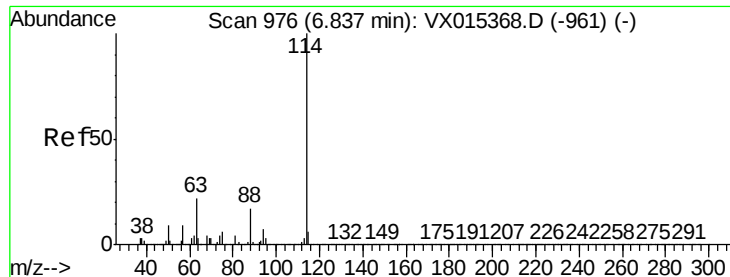
Tot Ion: 56 Resp: 20016
Ion Ratio Lower Upper
56 100
69 191.9 24.6 36.8#
84 133.6 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 42.743 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015680.D
Acq: 15 Apr 2020 14:07

Tgt Ion: 65 Resp: 654780
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-200408

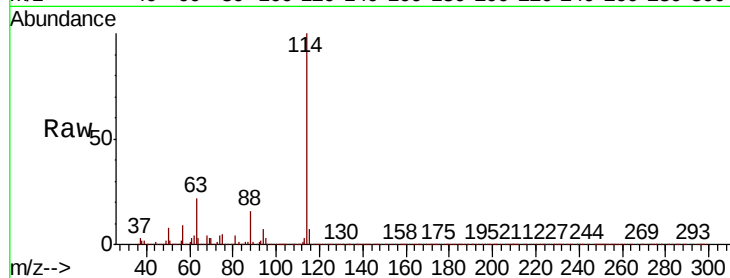
Tot Ion:114 Resp: 1670150

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

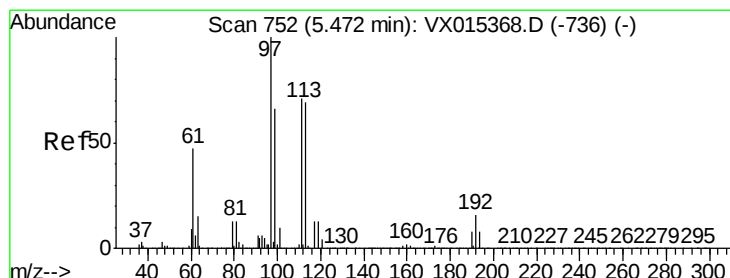
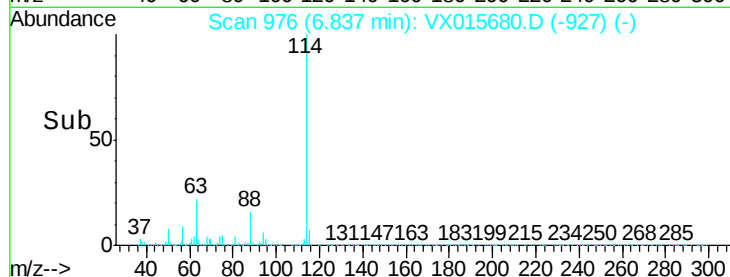
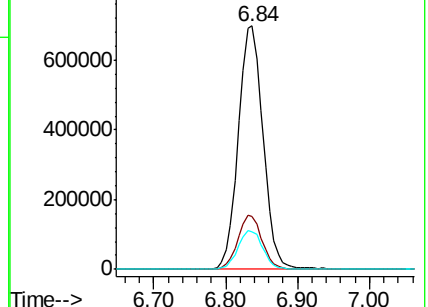
88 15.6 0.0 33.8



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: 47.645 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

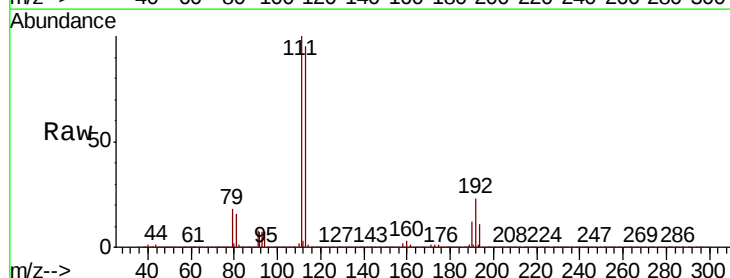
Tgt Ion:113 Resp: 508663

Ion Ratio Lower Upper

113 100

111 103.3 81.5 122.3

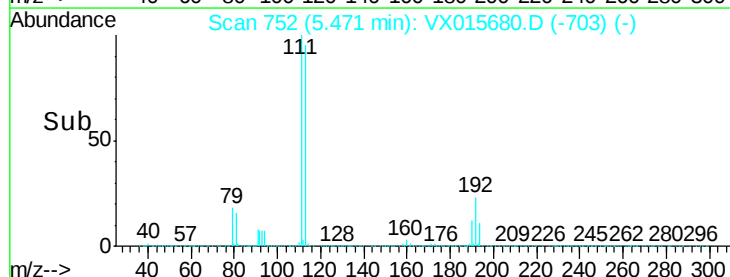
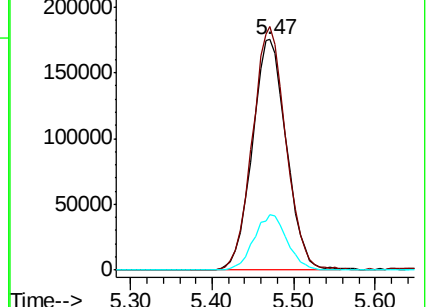
192 23.8 17.8 26.6

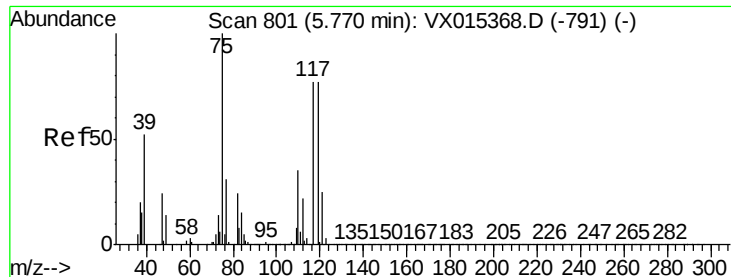


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

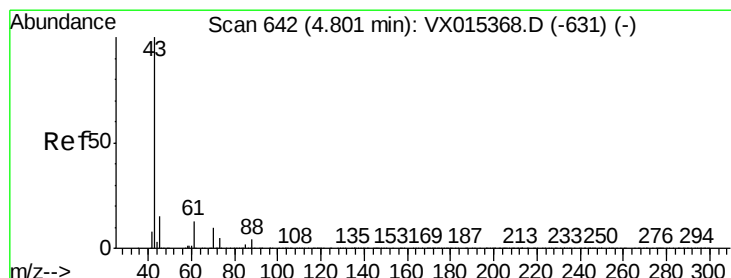
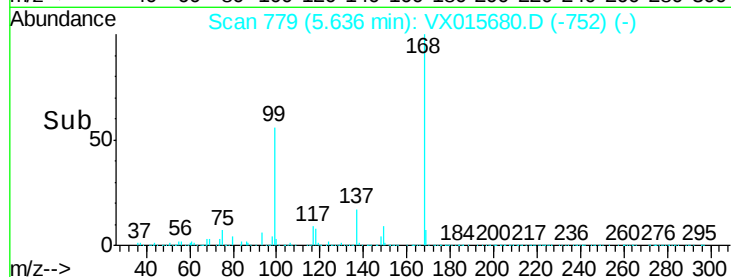
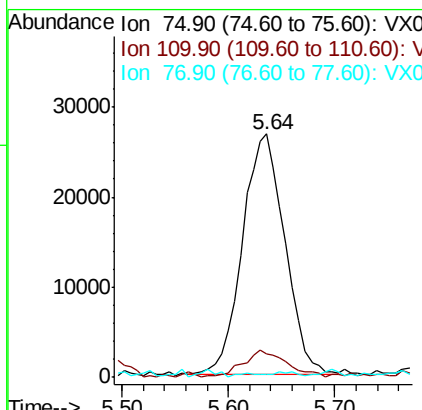
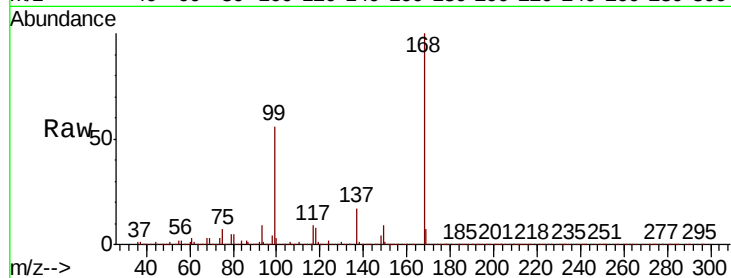




#36
 1,1-Dichloropropene
 Concen: 4.860 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015680.D
 Acq: 15 Apr 2020 14:07

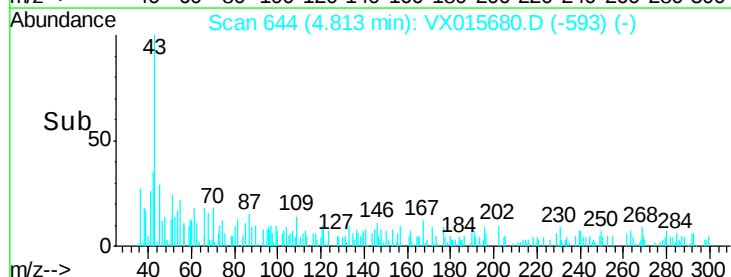
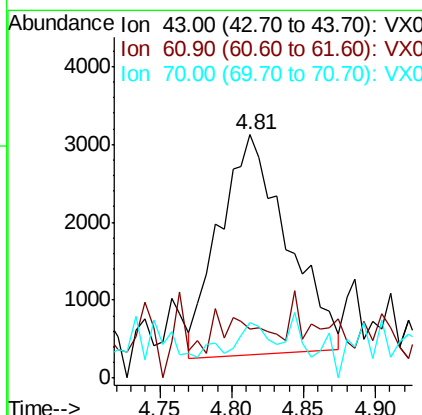
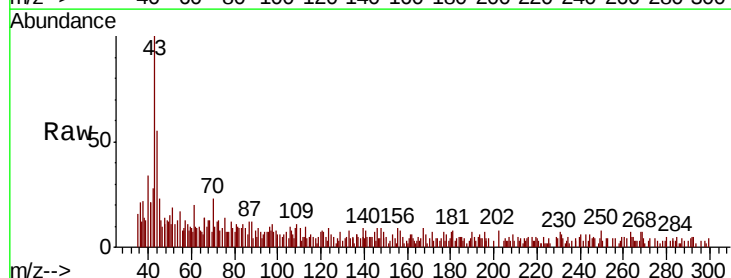
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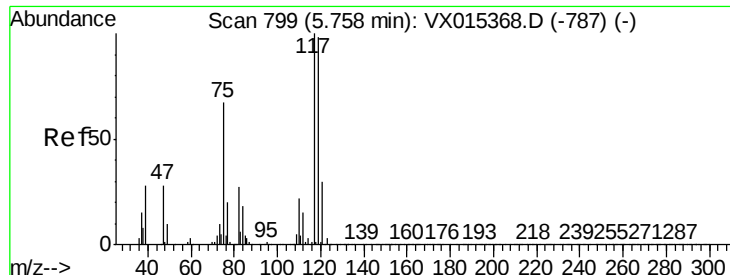
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.8	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.462 ug/l
 RT: 4.81 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: VX015680.D
 Acq: 15 Apr 2020 14:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	6.5	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.008 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

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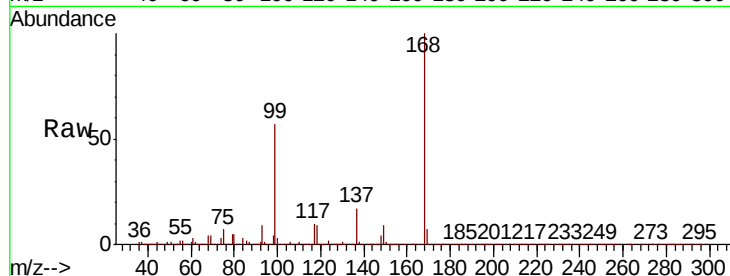
Tot Ion:117 Resp: 100139

Ion Ratio Lower Upper

117 100

119 4.0 78.0 117.0#

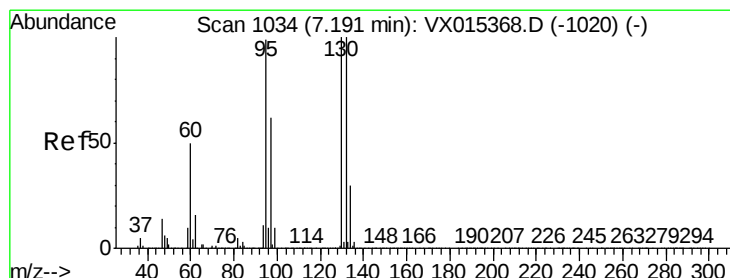
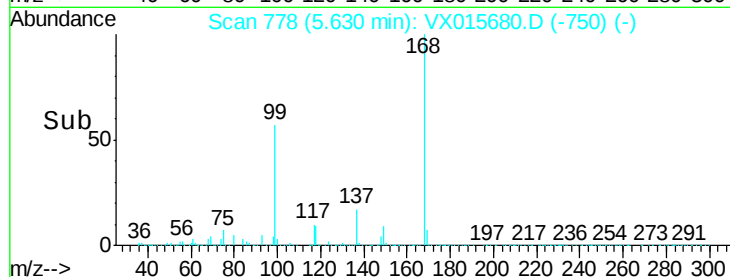
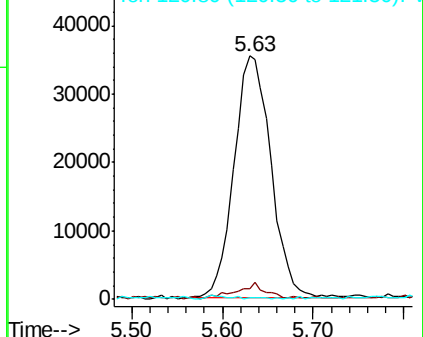
121 0.0 23.8 35.8#



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: 0.853 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VX015680.D

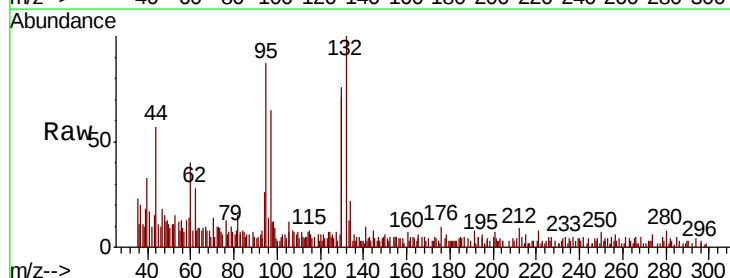
Acq: 15 Apr 2020 14:07

Tgt Ion:130 Resp: 10486

Ion Ratio Lower Upper

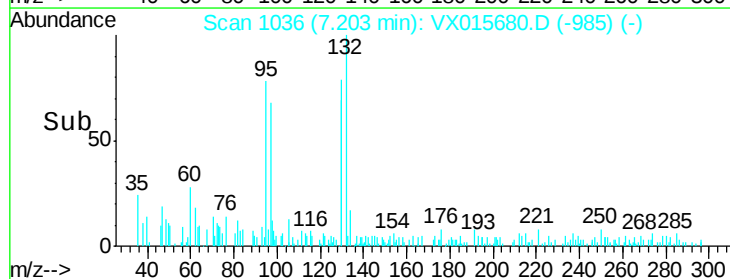
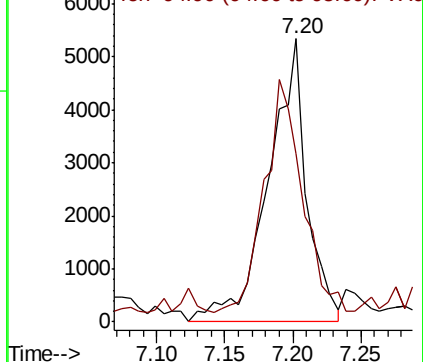
130 100

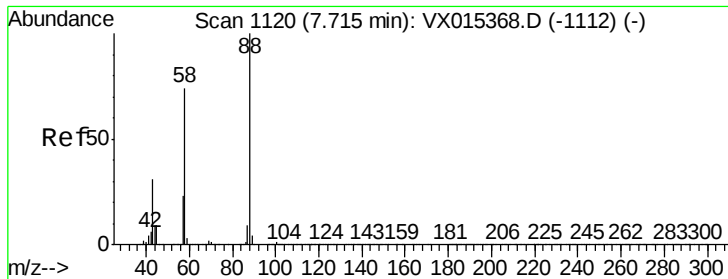
95 51.2 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.189 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-200408

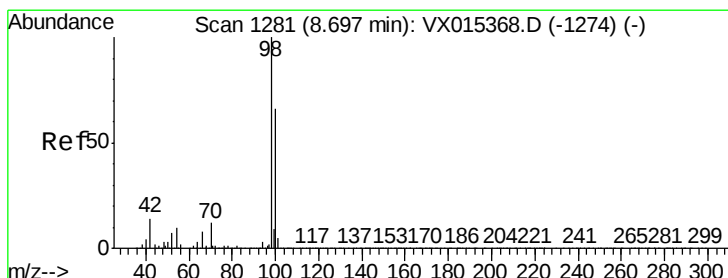
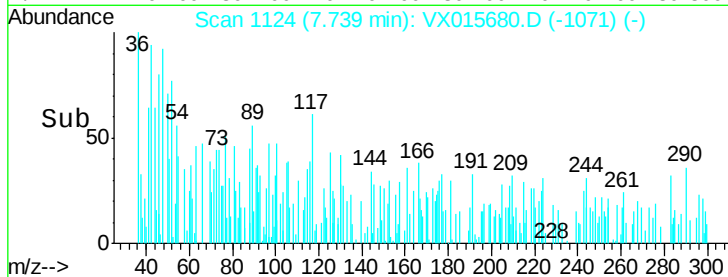
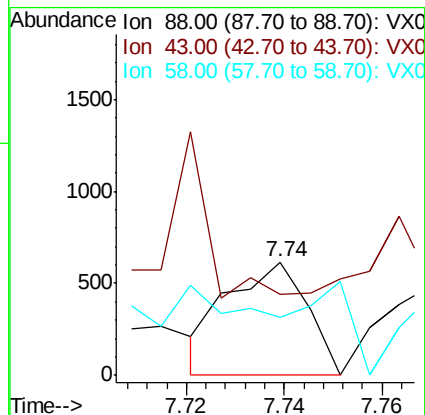
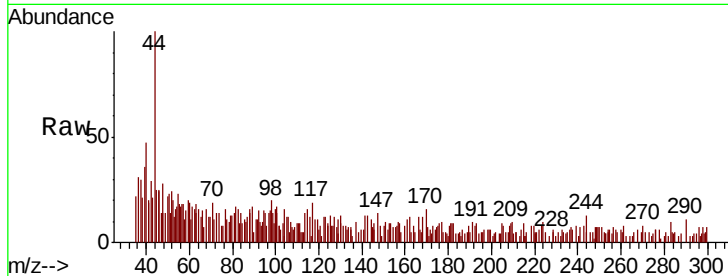
Tot Ion: 88 Resp: 690

Ion Ratio Lower Upper

88 100

43 229.7 30.1 45.1#

58 24.1 60.6 90.8#



#50

Toluene-d8

Concen: 50.761 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015680.D

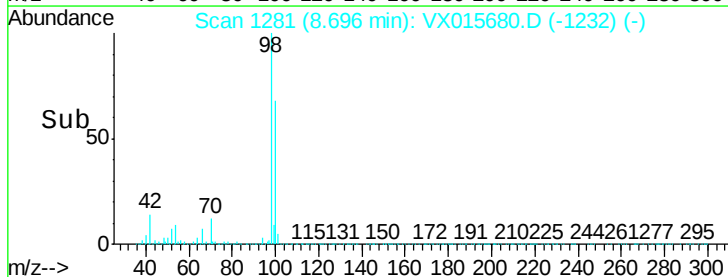
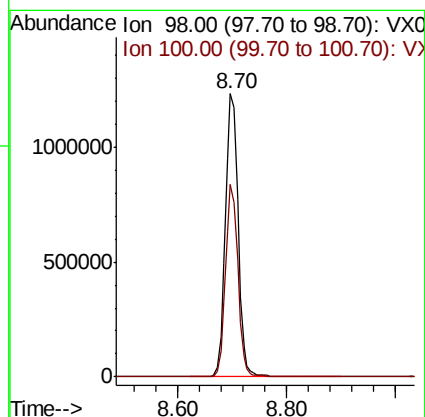
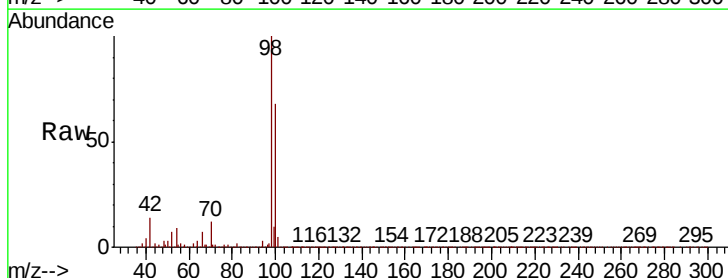
Acq: 15 Apr 2020 14:07

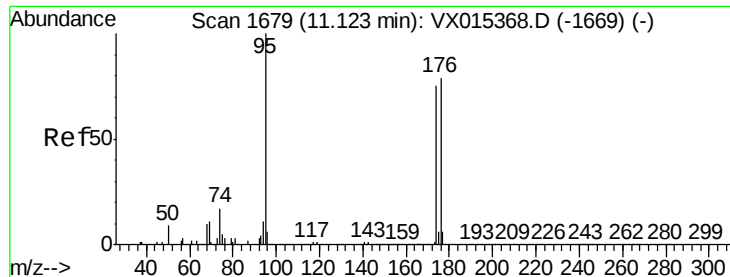
Tgt Ion: 98 Resp: 1995233

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 52.279 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-200408

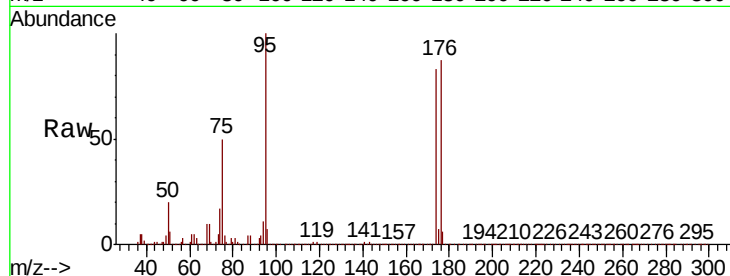
Tot Ion: 95 Resp: 835108

Ion Ratio Lower Upper

95 100

174 85.1 0.0 158.6

176 83.5 0.0 159.0

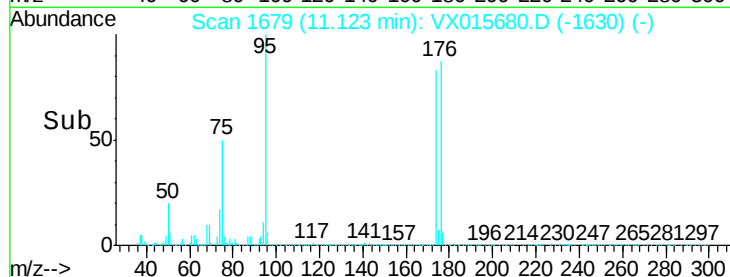


Abundance Ion 94.90 (94.60 to 95.60): VX0

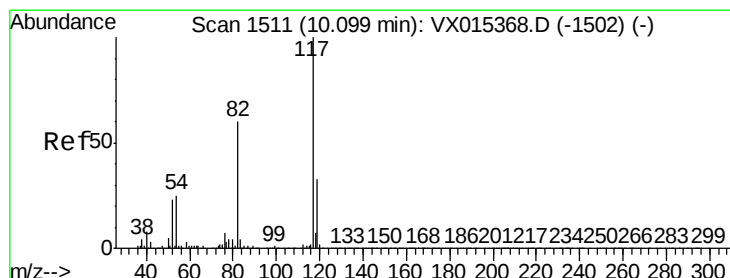
Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

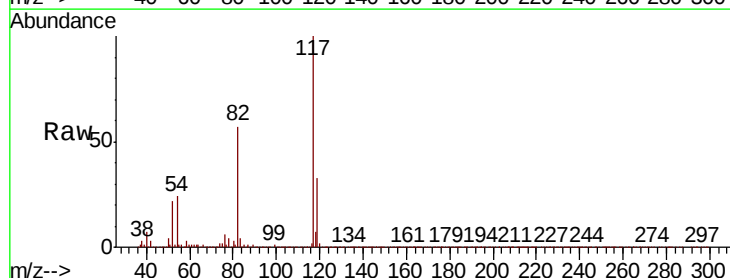
Tgt Ion: 117 Resp: 1587787

Ion Ratio Lower Upper

117 100

82 57.0 47.8 71.8

119 33.4 26.8 40.2

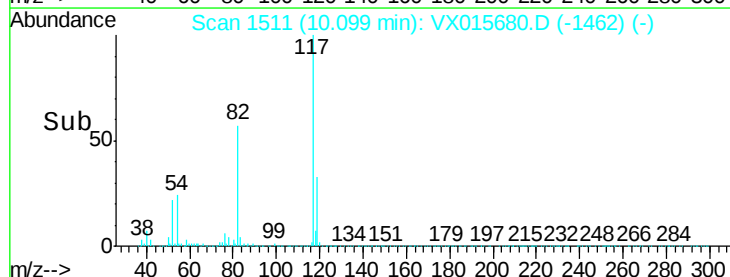


Abundance Ion 116.90 (116.60 to 117.60): VX0

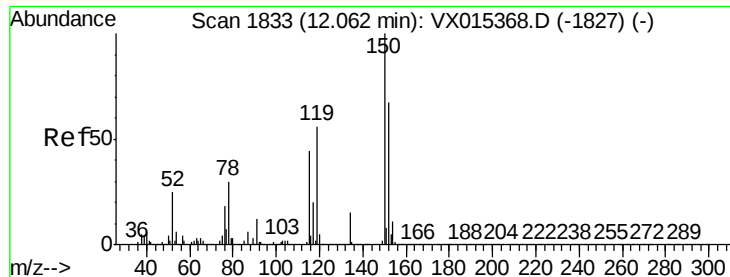
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-200408

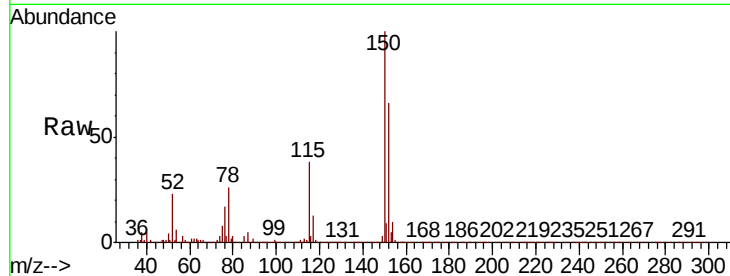
Tot Ion:152 Resp: 878201

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

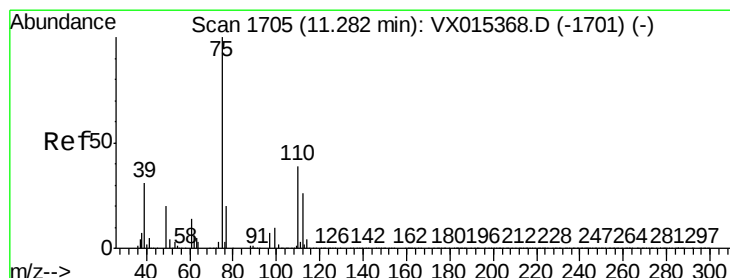
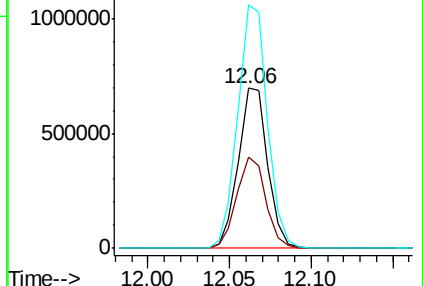
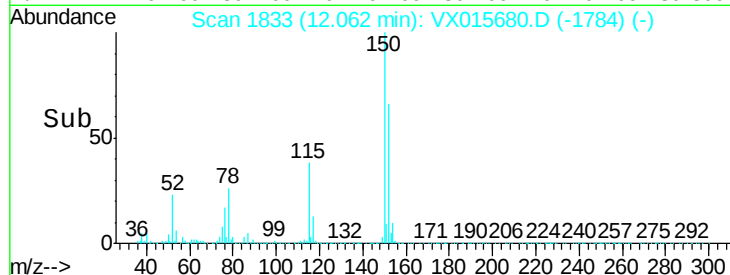
150 152.7 0.0 340.8



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: 23.353 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015680.D

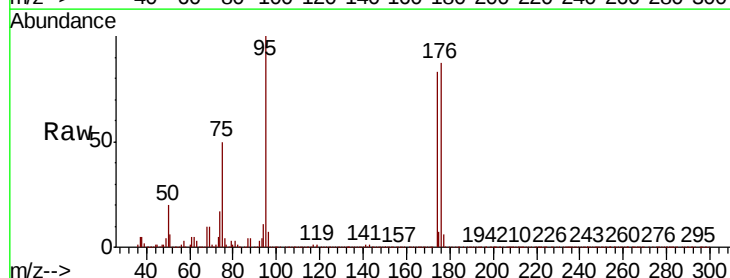
Acq: 15 Apr 2020 14:07

Tgt Ion: 75 Resp: 421751

Ion Ratio Lower Upper

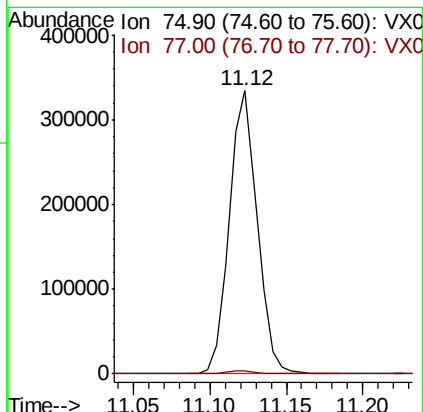
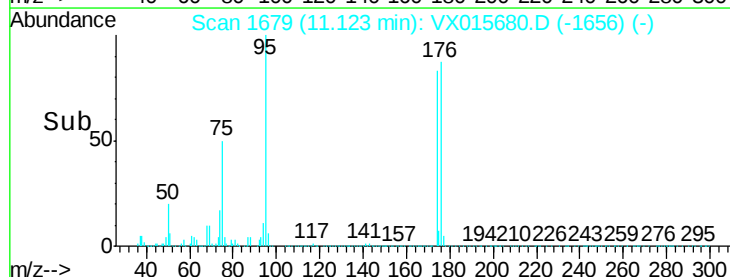
75 100

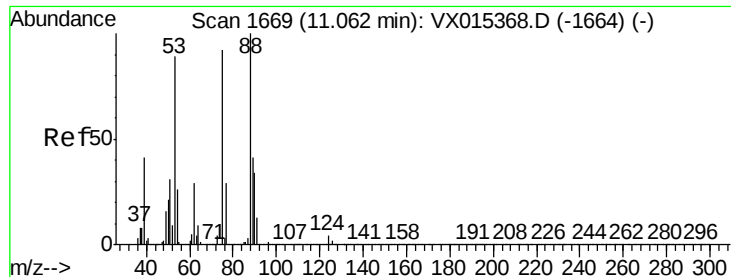
77 1.5 21.2 63.6#



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: 56.035 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015680.D

Acq: 15 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-200408

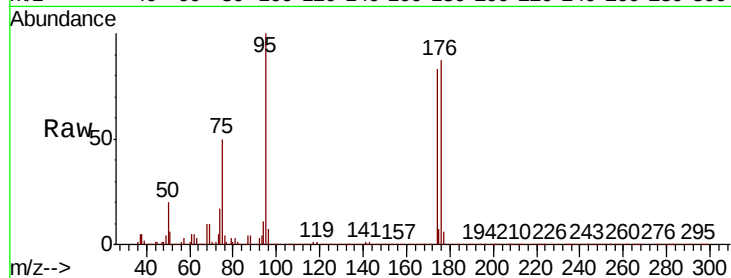
Tot Ion: 75 Resp: 421751

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



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

