

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015690.D
 Acq On : 15 Apr 2020 17:53
 Operator : JC/SP
 Sample : L2233-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-200408

Quant Time: Apr 16 05:56:34 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	1097836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1667170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1610179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889388	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	644796	41.64	ug/l	0.00
Spiked Amount			Recovery	=	83.28%	
35) Dibromofluoromethane	5.47	113	488224	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	8.70	98	1982821	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.12	95	826629	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	

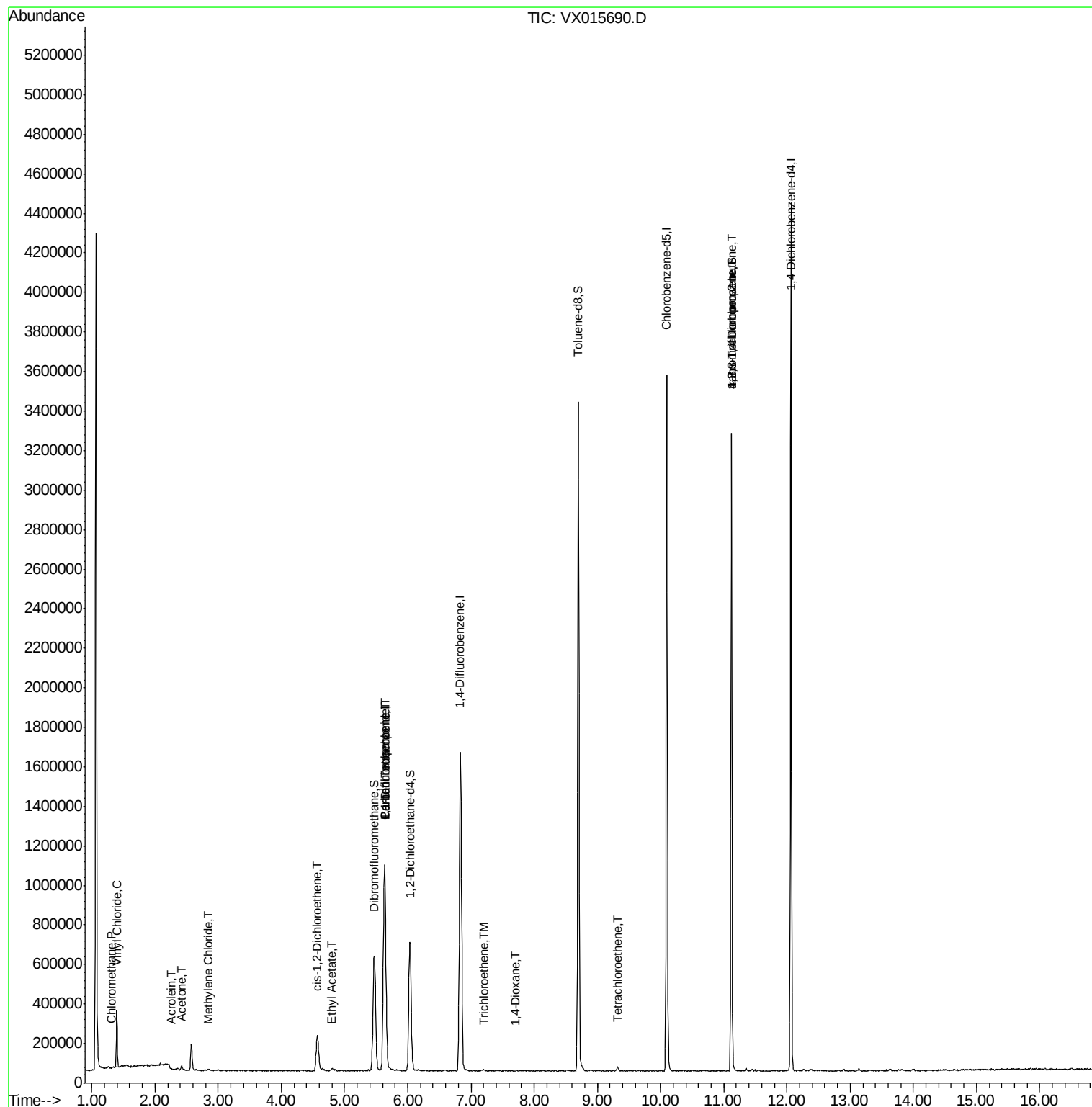
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2483	0.202	ug/l #	56
4) Vinyl Chloride	1.39	62	167615	14.820	ug/l	97
5) Bromomethane	1.61	94	260	Below Cal		83
13) Acrolein	2.26	56	741	0.351	ug/l #	70
16) Acetone	2.42	43	24905	3.744	ug/l	96
20) Methylene Chloride	2.83	84	3918	0.315	ug/l	84
27) cis-1,2-Dichloroethene	4.56	96	112627	8.463	ug/l	90
36) 1,1-Dichloropropene	5.64	75	74045	4.820	ug/l #	52
37) Ethyl Acetate	4.81	43	21840	1.092	ug/l #	80
38) Carbon Tetrachloride	5.64	117	95172	5.720	ug/l #	15
44) Trichloroethene	7.20	130	3528	0.287	ug/l	60
49) 1,4-Dioxane	7.71	88	396	1.259	ug/l #	1
64) Tetrachloroethene	9.32	164	4619	0.380	ug/l #	79
76) 1,2,3-Trichloropropane	11.12	75	420843	23.010	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	420843	55.212	ug/l #	10

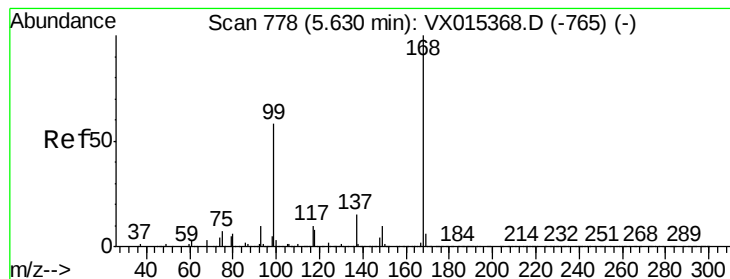
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041520\
Data File : VX015690.D
Acq On : 15 Apr 2020 17:53
Operator : JC/SP
Sample : L2233-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-200408

Quant Time: Apr 16 05:56:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
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: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

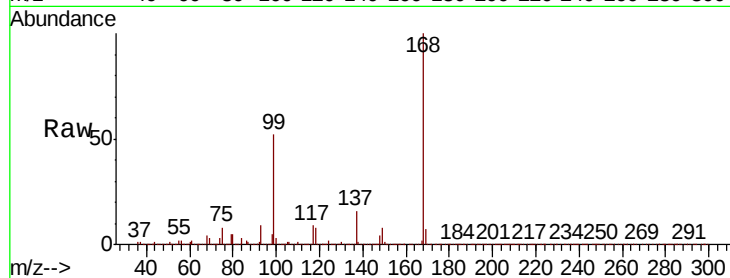
ST008MW157-200408

Tot Ion:168 Resp: 1097836

Ion Ratio Lower Upper

168 100

99 51.8 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

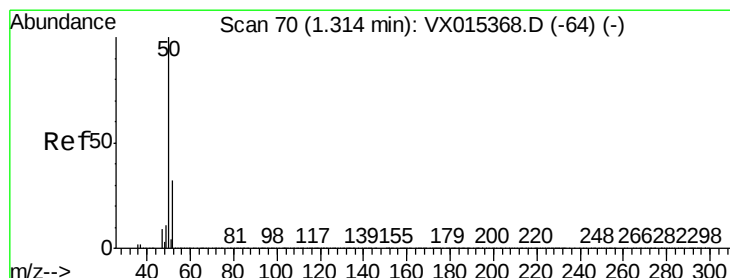
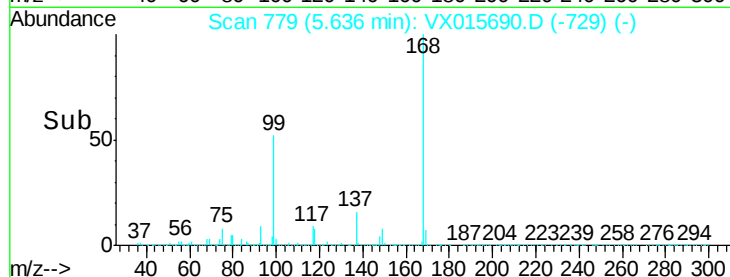
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015690.D

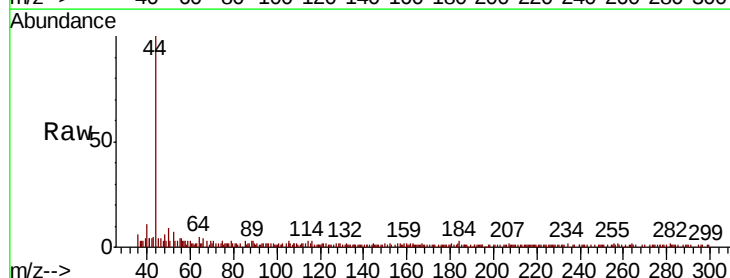
Acq: 15 Apr 2020 17:53

Tgt Ion: 50 Resp: 2483

Ion Ratio Lower Upper

50 100

52 55.8 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1500

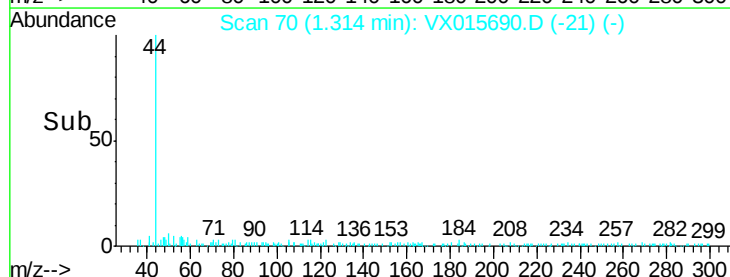
1000

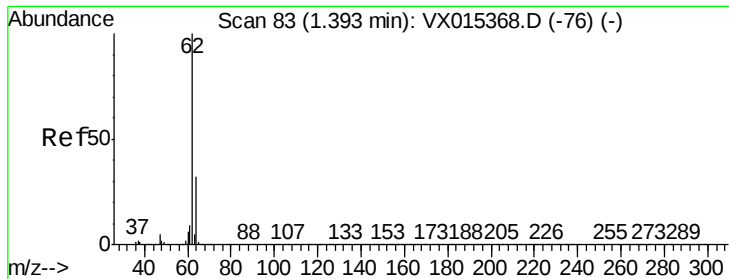
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 14.820 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

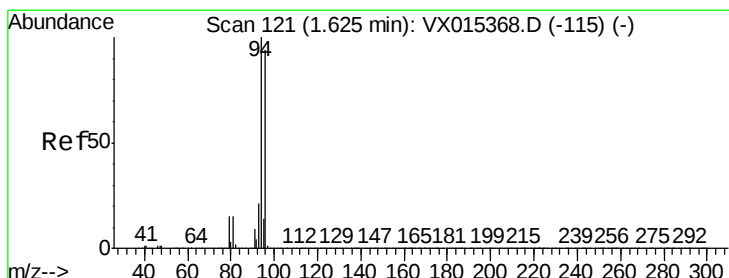
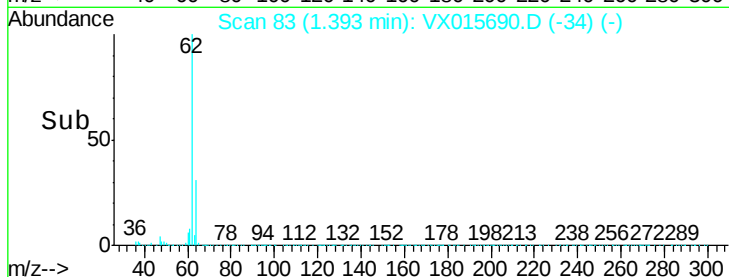
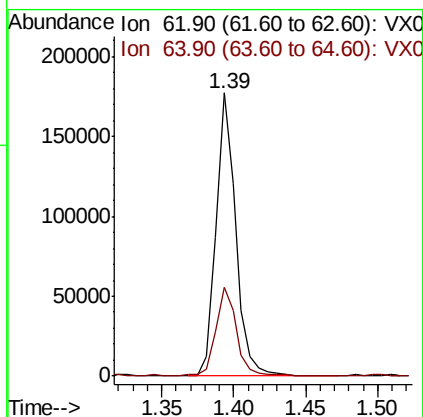
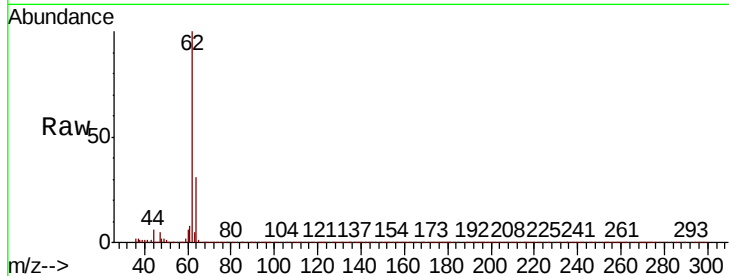
ST008MW157-200408

Tot Ion: 62 Resp: 167615

Ion Ratio Lower Upper

62 100

64 30.9 26.0 39.0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015690.D

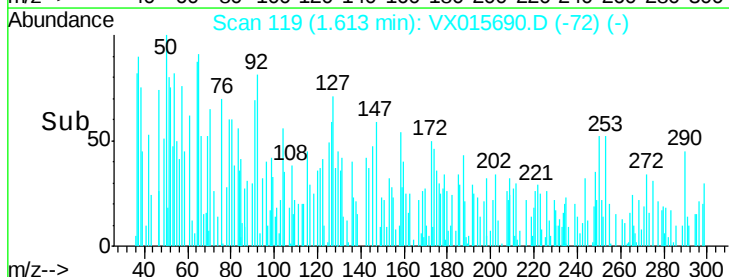
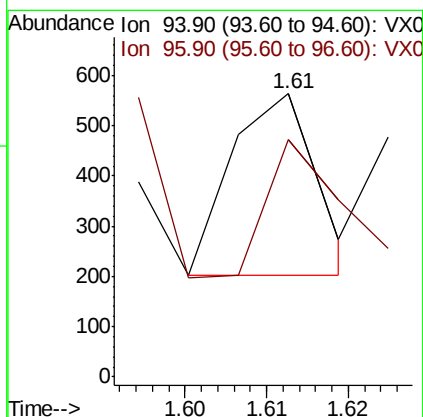
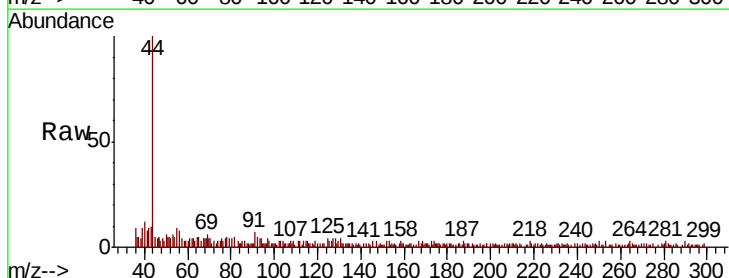
Acq: 15 Apr 2020 17:53

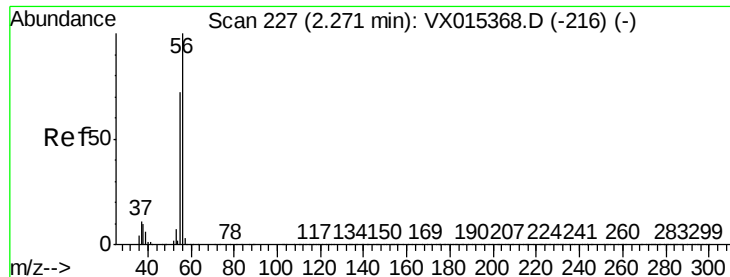
Tgt Ion: 94 Resp: 260

Ion Ratio Lower Upper

94 100

96 76.9 74.8 112.2

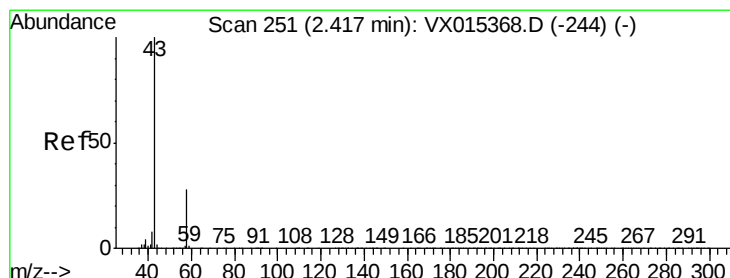
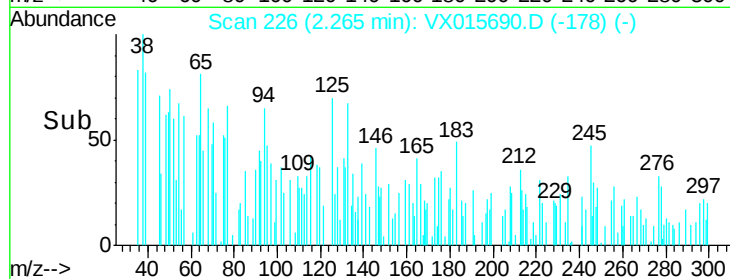
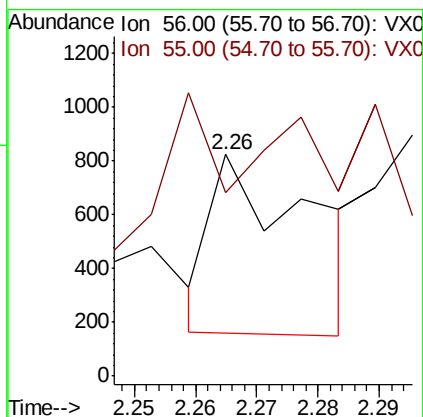
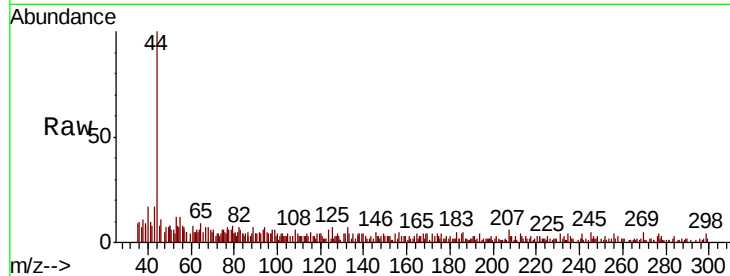




#13
Acrolein
Concen: 0.351 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

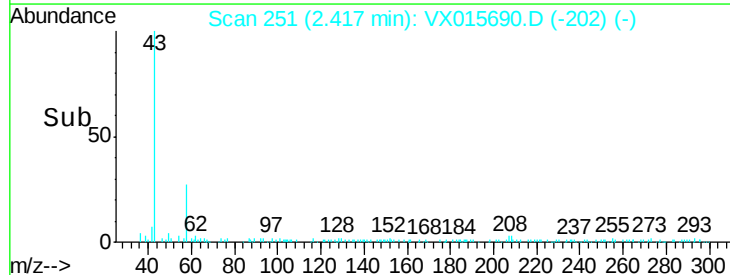
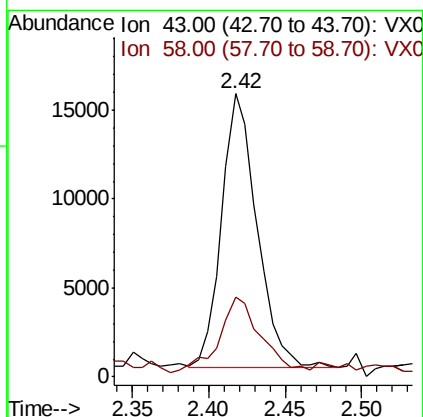
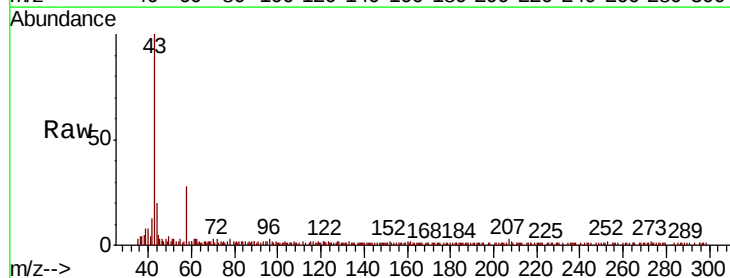
Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-200408

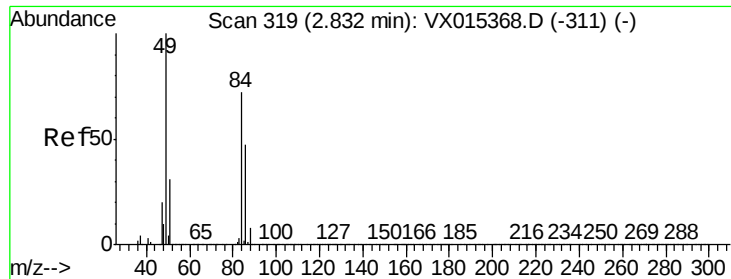
Tot Ion: 56 Resp: 741
Ion Ratio Lower Upper
56 100
55 46.3 57.0 85.4#



#16
Acetone
Concen: 3.744 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

Tgt Ion: 43 Resp: 24905
Ion Ratio Lower Upper
43 100
58 25.7 22.1 33.1

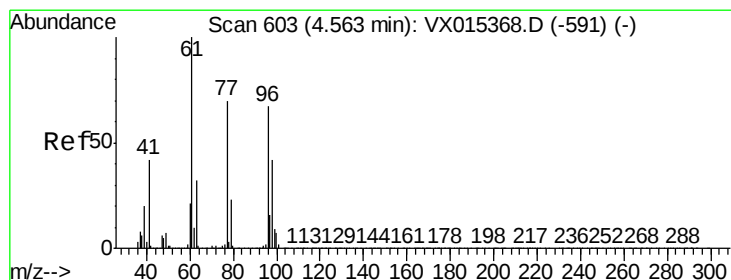
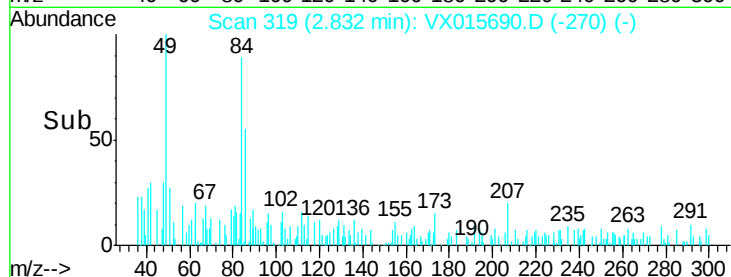
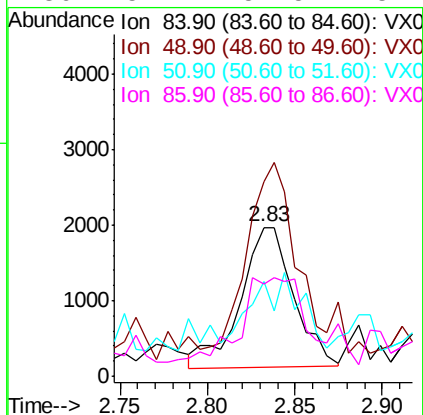
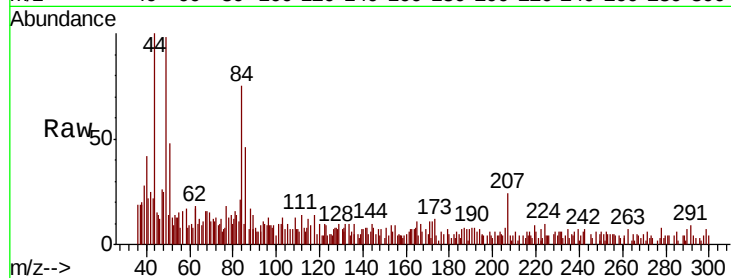




#20
Methvlene Chloride
Concen: 0.315 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

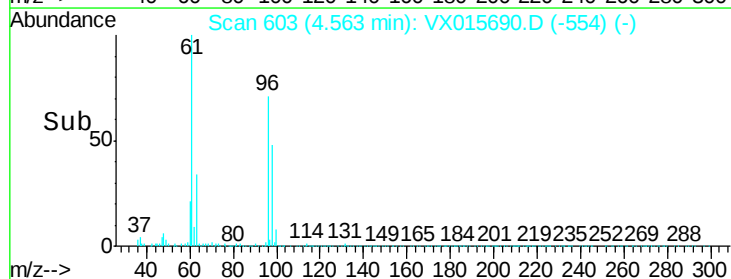
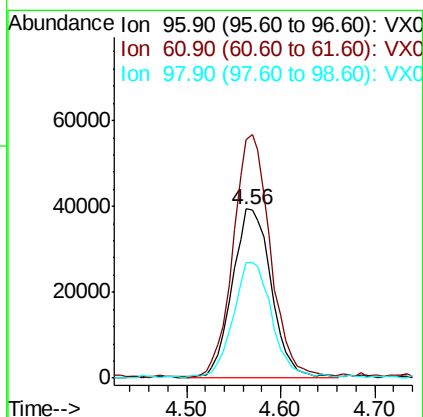
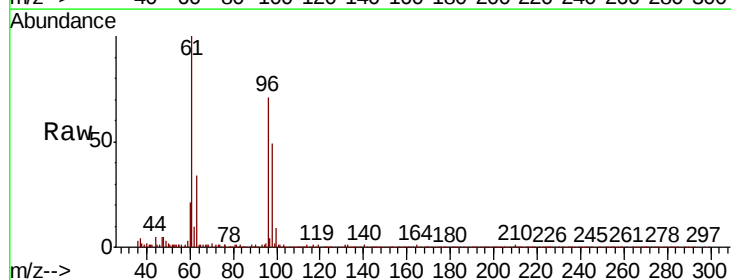
Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-200408

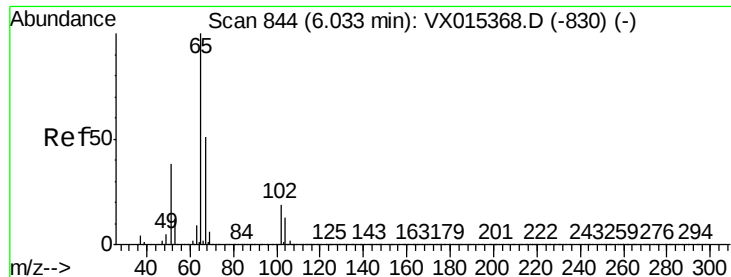
Tot Ion:	84	Resp:	3918
Ion	Ratio	Lower	Upper
84	100		
49	114.3	111.3	166.9
51	41.1	34.0	51.0
86	54.2	52.5	78.7



#27
cis-1,2-Dichloroethene
Concen: 8.463 ug/l
RT: 4.56 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

Tgt Ion:	96	Resp:	112627
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	308.4
98	68.9	0.0	129.2





#33

1,2-Dichloroethane-d4

Concen: 41.643 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

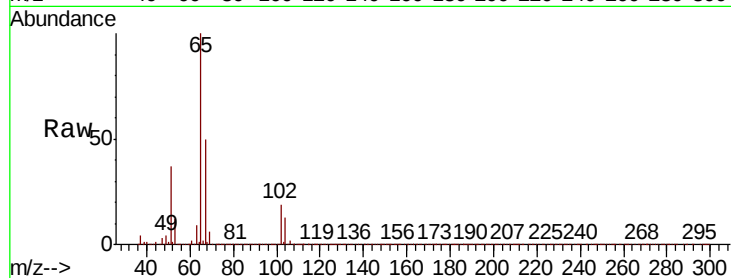
ST008MW157-200408

Tot Ion: 65 Resp: 644796

Ion Ratio Lower Upper

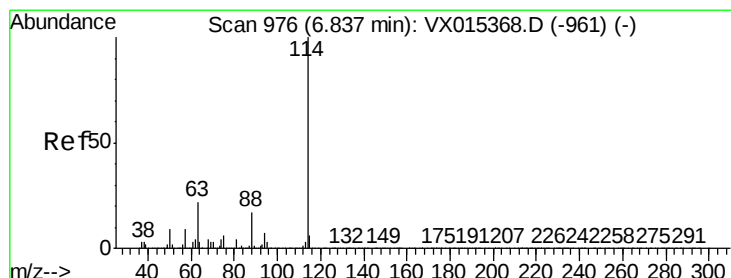
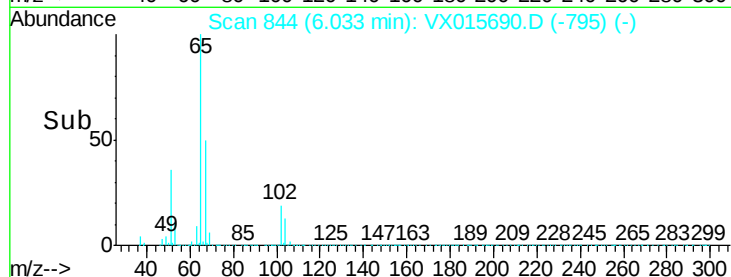
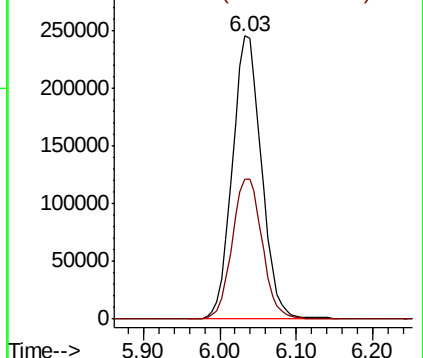
65 100

67 51.0 0.0 102.6



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: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

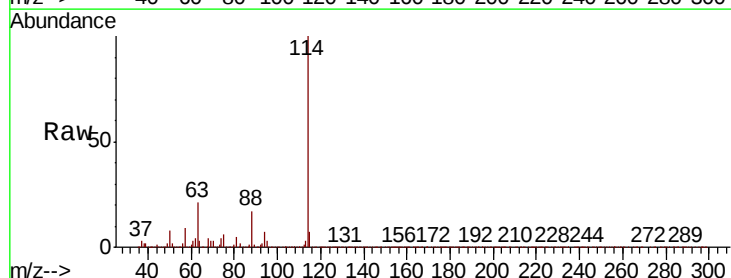
Tgt Ion: 114 Resp: 1667170

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

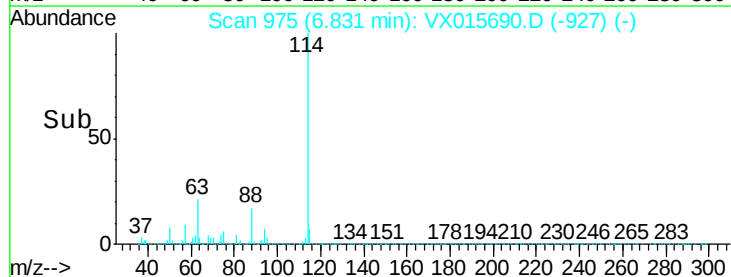
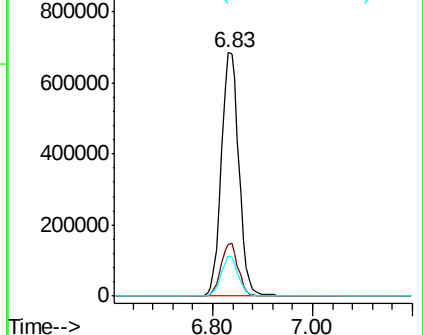
88 16.5 0.0 33.8

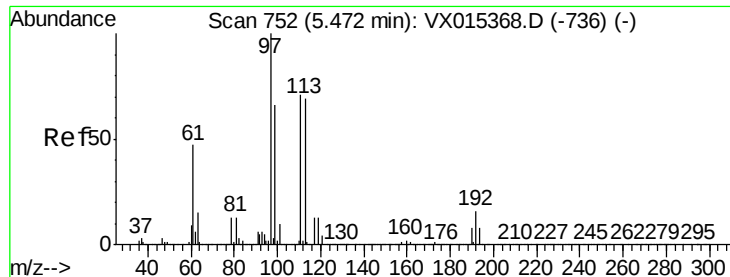


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

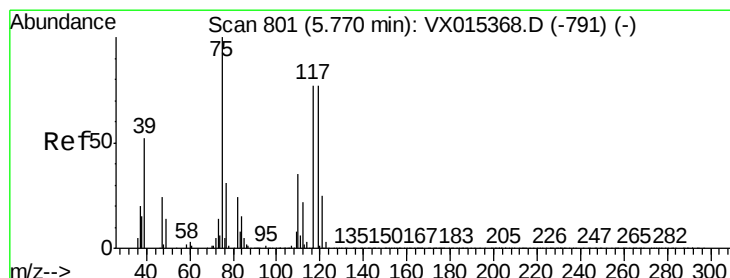
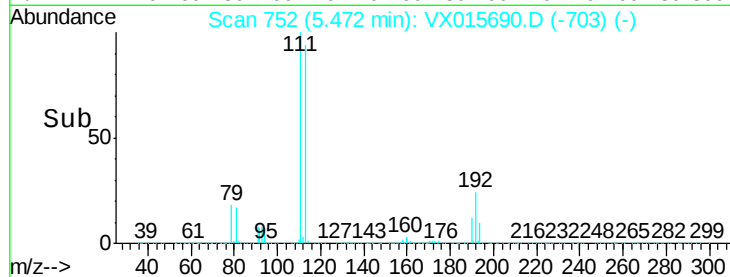
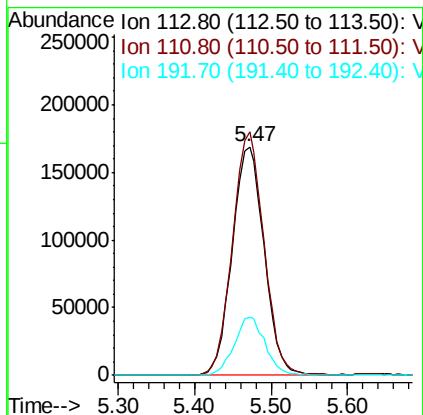
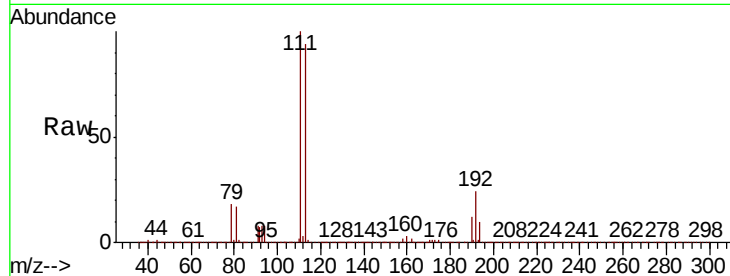




#35
Dibromofluoromethane
Concen: 45.812 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

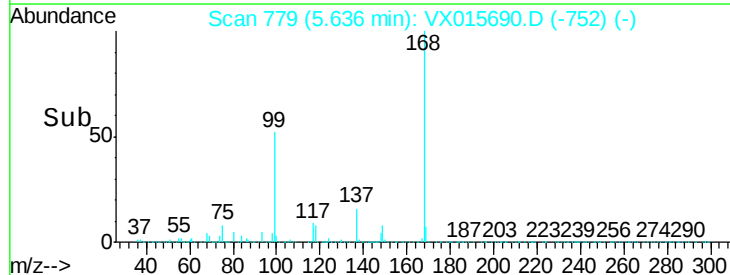
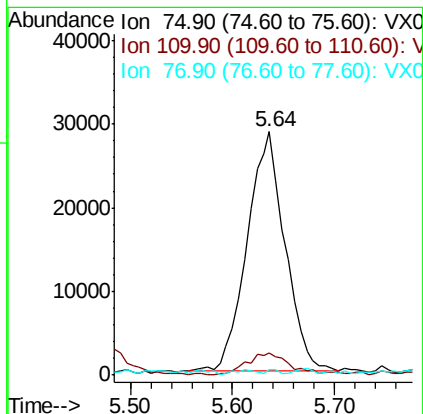
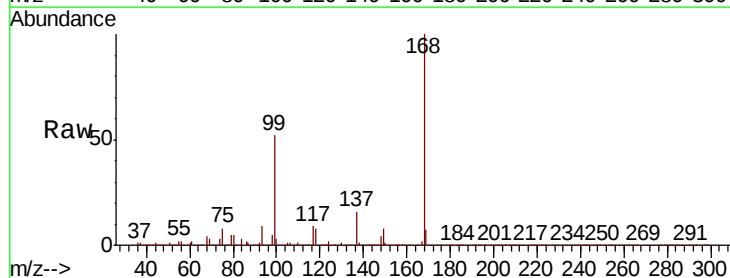
Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-200408

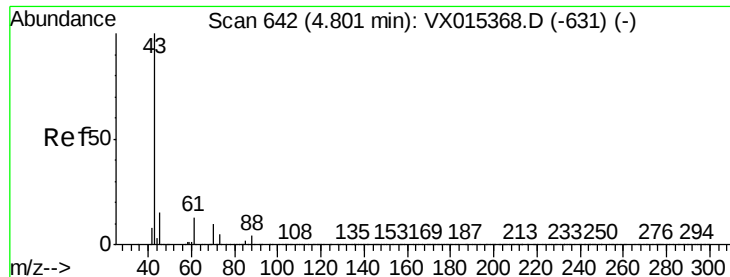
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.5	122.3
192	24.6	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.1	51.3#
77	0.4	24.6	36.8#





#37

Ethyl Acetate

Concen: 1.092 ug/l

RT: 4.81 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-200408

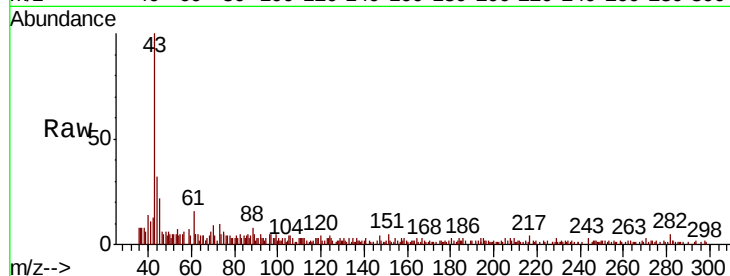
Tot Ion: 43 Resp: 21840

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

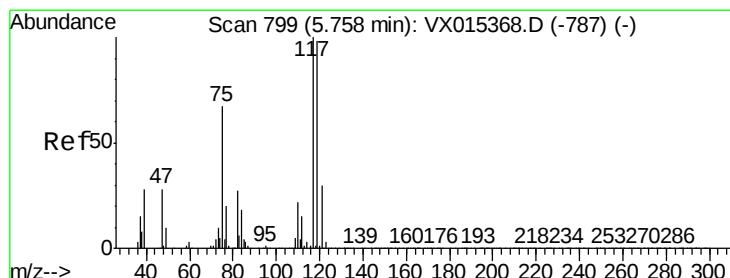
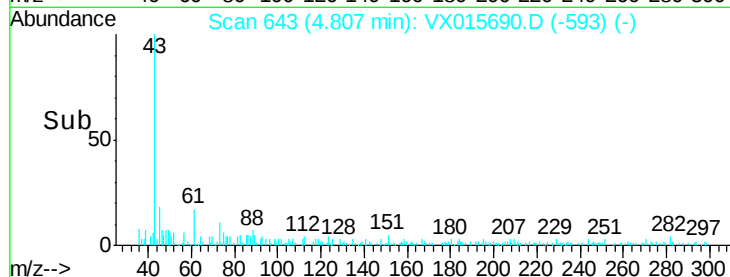
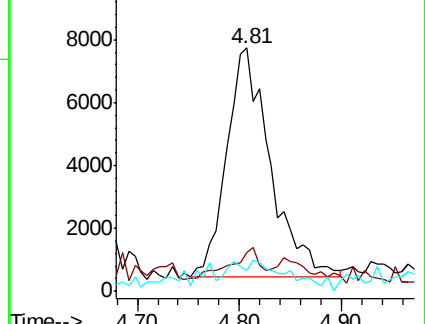
70 7.6 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

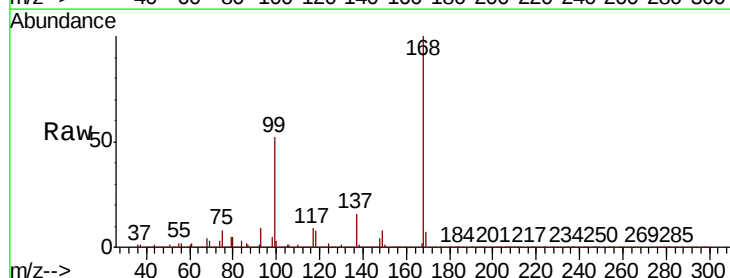
Tgt Ion: 117 Resp: 95172

Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

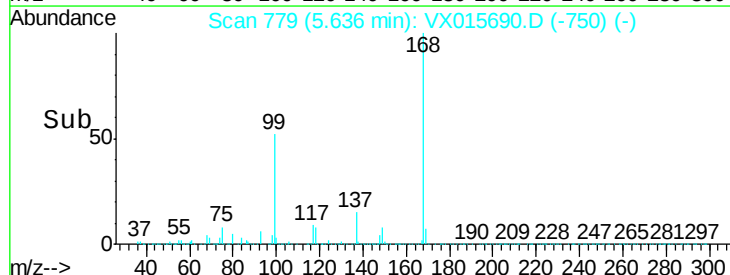
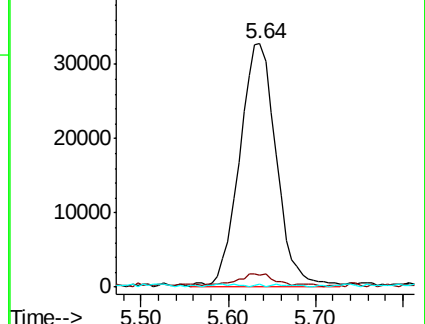
121 0.5 23.8 35.8#

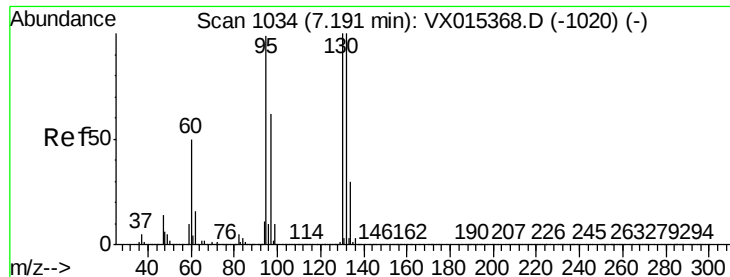


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.287 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

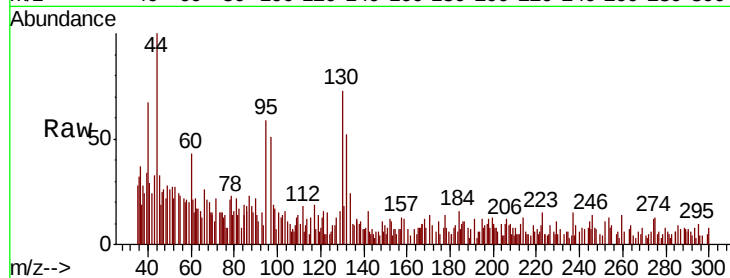
ST008MW157-200408

Tot Ion:130 Resp: 3528

Ion Ratio Lower Upper

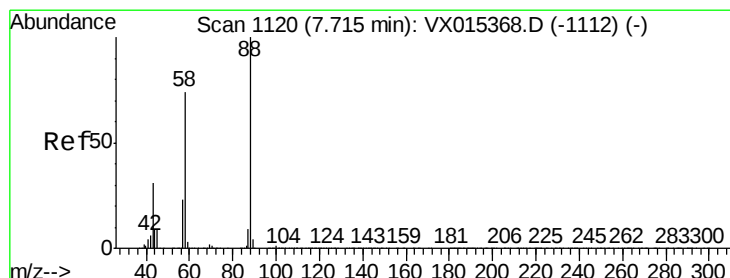
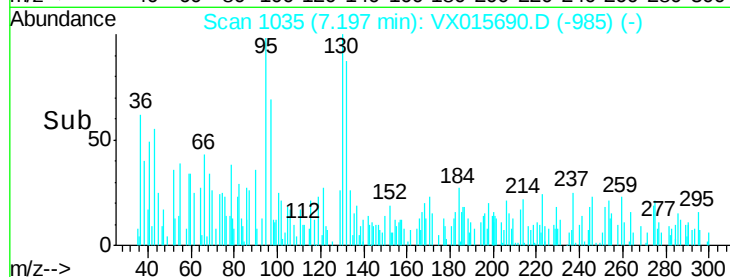
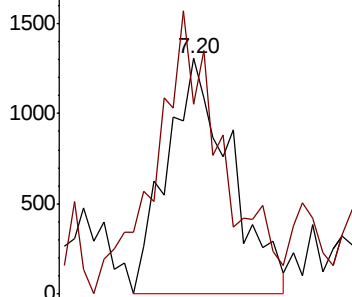
130 100

95 59.6 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: 1.259 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

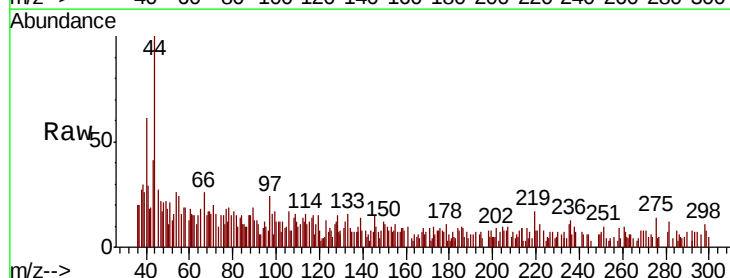
Tgt Ion: 88 Resp: 396

Ion Ratio Lower Upper

88 100

43 462.1 30.1 45.1#

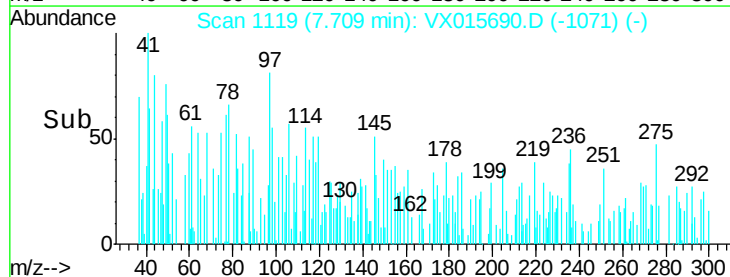
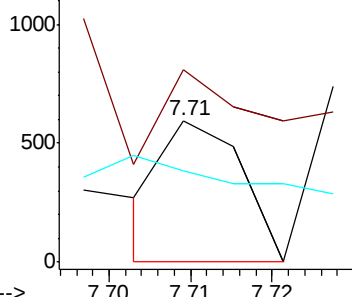
58 141.4 60.6 90.8#

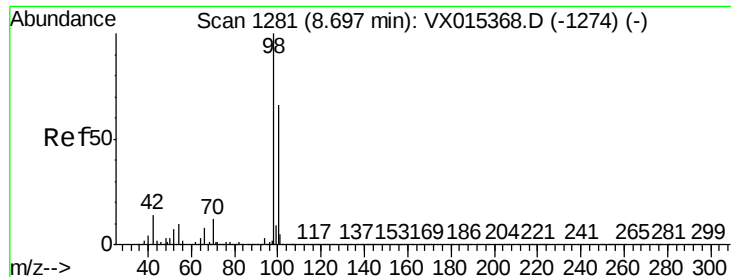


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.535 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

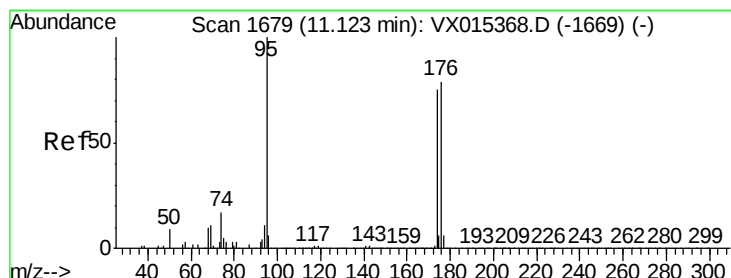
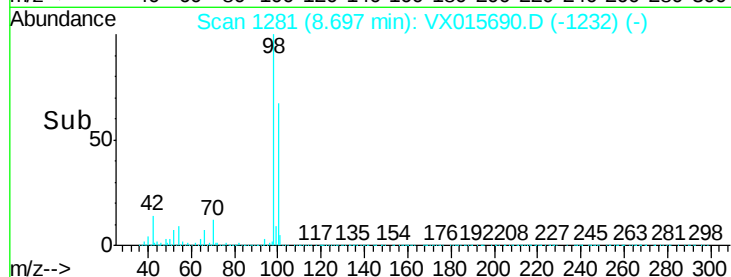
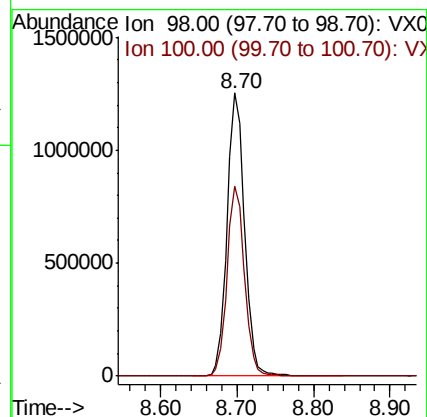
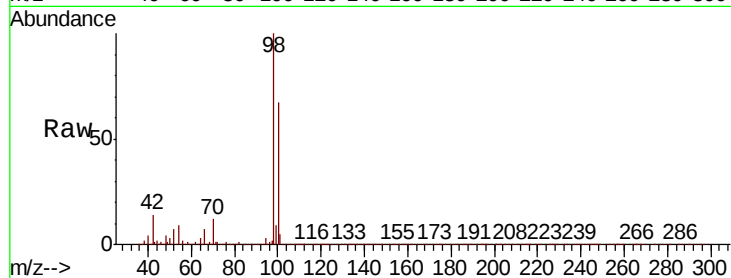
ST008MW157-200408

Tot Ion: 98 Resp: 1982821

Ion Ratio Lower Upper

98 100

100 67.0 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 51.840 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

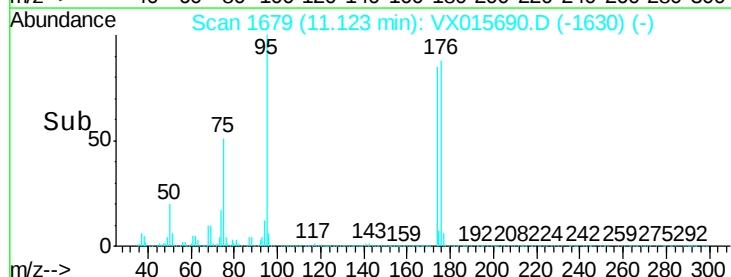
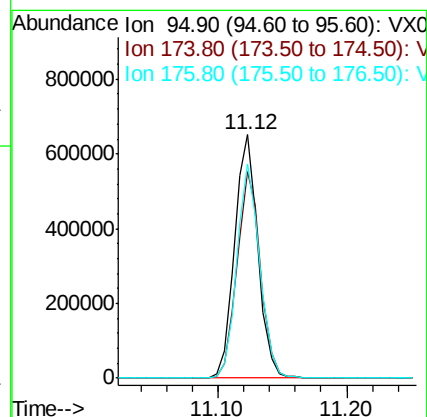
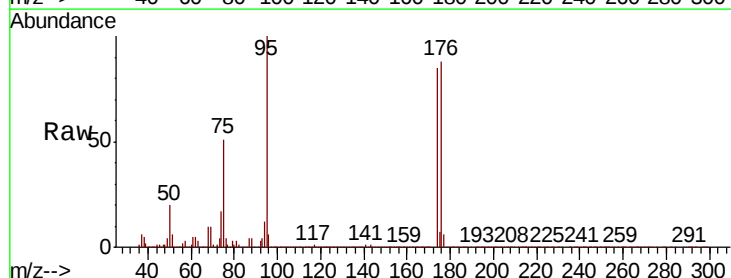
Tgt Ion: 95 Resp: 826629

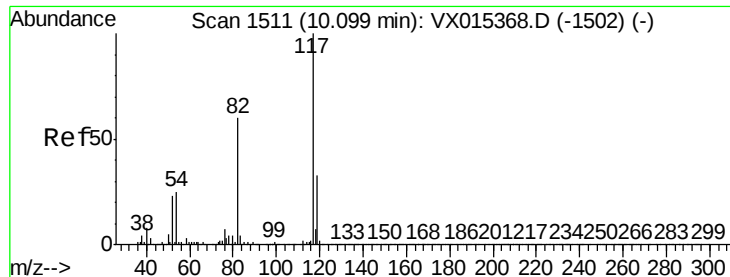
Ion Ratio Lower Upper

95 100

174 85.2 0.0 158.6

176 86.3 0.0 159.0

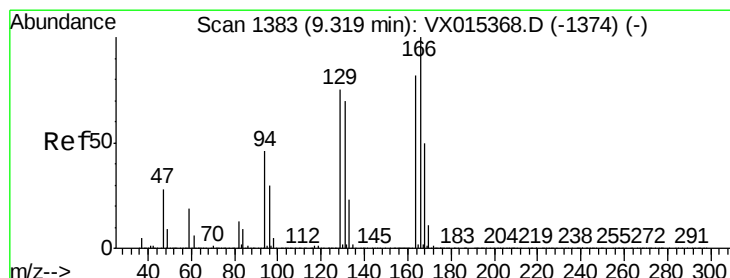
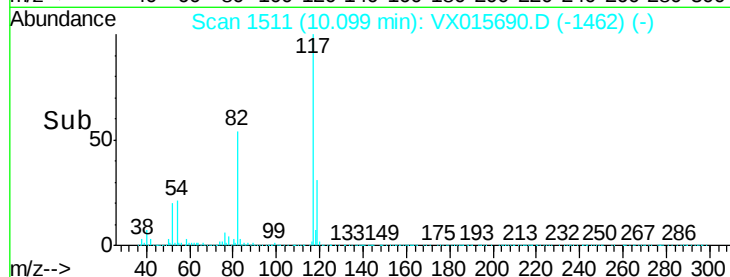
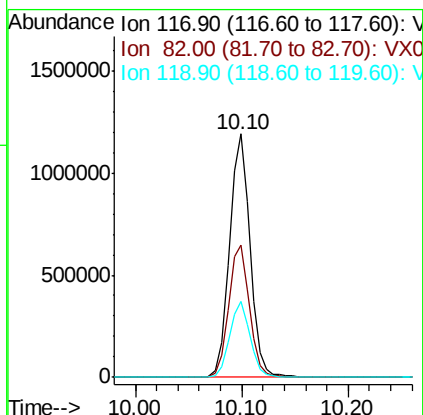
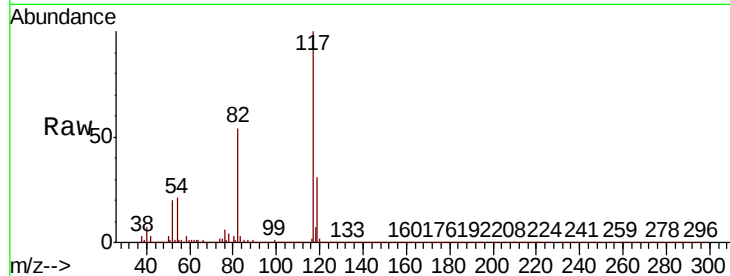




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

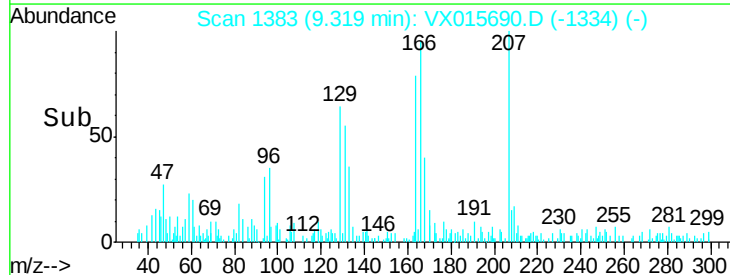
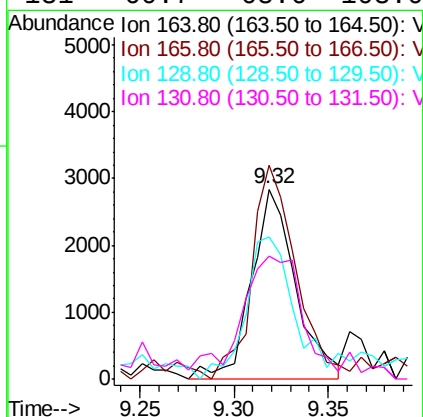
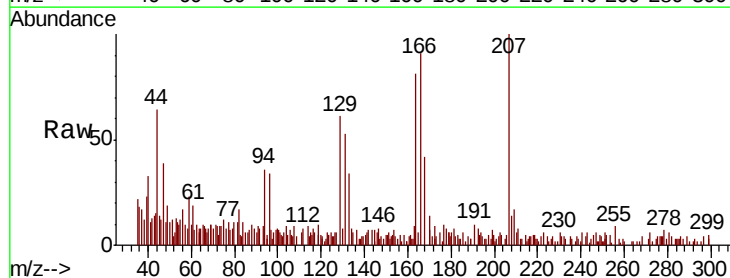
Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-200408

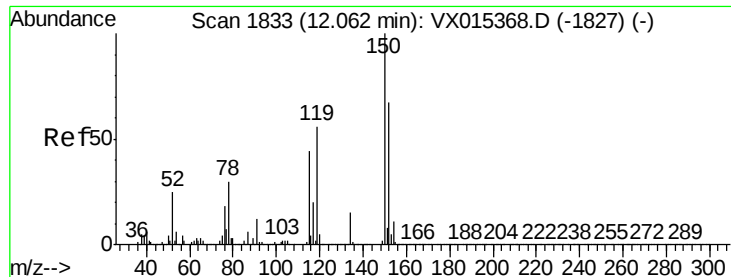
Tot Ion:117 Resp: 1610179
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.8
119 31.4 26.8 40.2



#64
Tetrachloroethene
Concen: 0.380 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015690.D
Acq: 15 Apr 2020 17:53

Tgt Ion:164 Resp: 4619
Ion Ratio Lower Upper
164 100
166 106.3 97.8 146.6
129 68.5 73.0 109.4#
131 60.7 68.6 103.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-200408

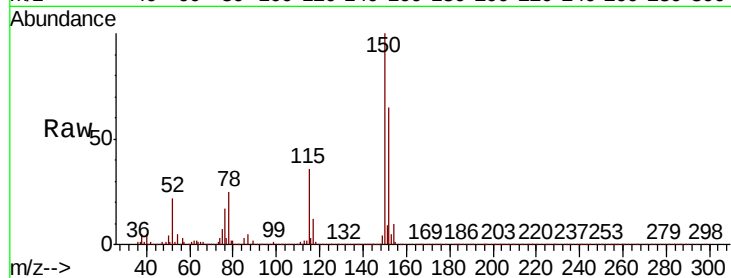
Tot Ion:152 Resp: 889388

Ion Ratio Lower Upper

152 100

115 55.6 39.0 116.9

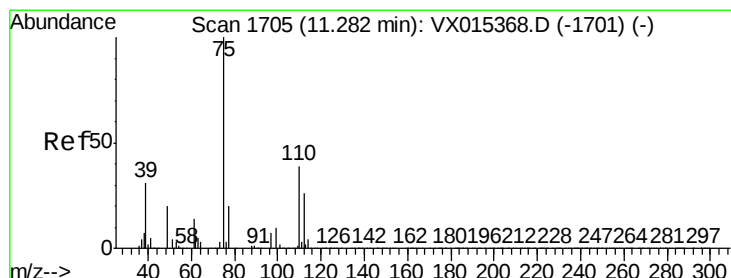
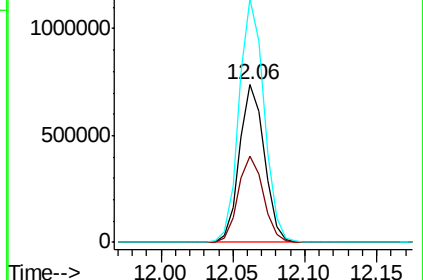
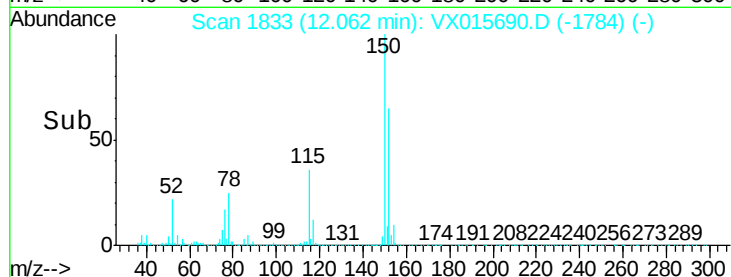
150 154.8 0.0 340.8



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: 23.010 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015690.D

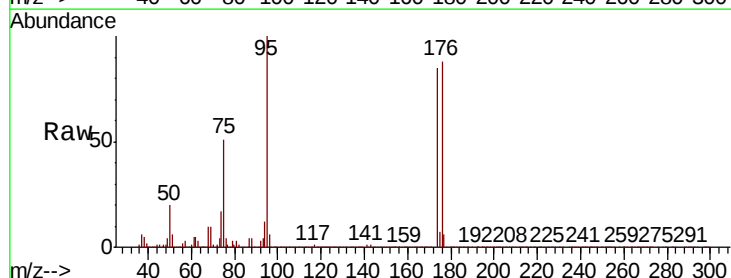
Acq: 15 Apr 2020 17:53

Tgt Ion: 75 Resp: 420843

Ion Ratio Lower Upper

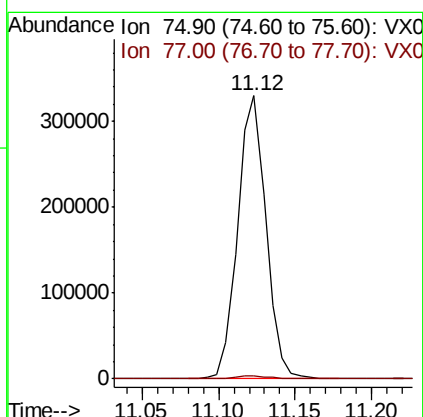
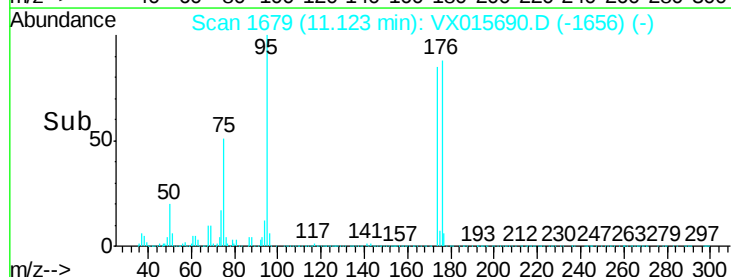
75 100

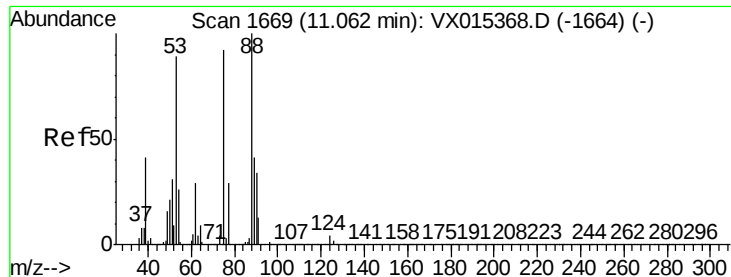
77 1.2 21.2 63.6#



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: 55.212 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015690.D

Acq: 15 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-200408

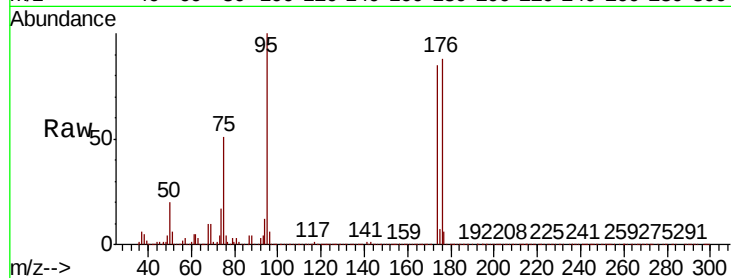
Tot Ion: 75 Resp: 420843

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 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

