

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016215.D
 Acq On : 14 May 2020 05:48
 Operator : JC/SP
 Sample : L2626-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW334-200512

Quant Time: May 14 06:41:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	265903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	438214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	163820	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	5.47	113	130918	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.70	98	548575	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.12	95	221411	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	

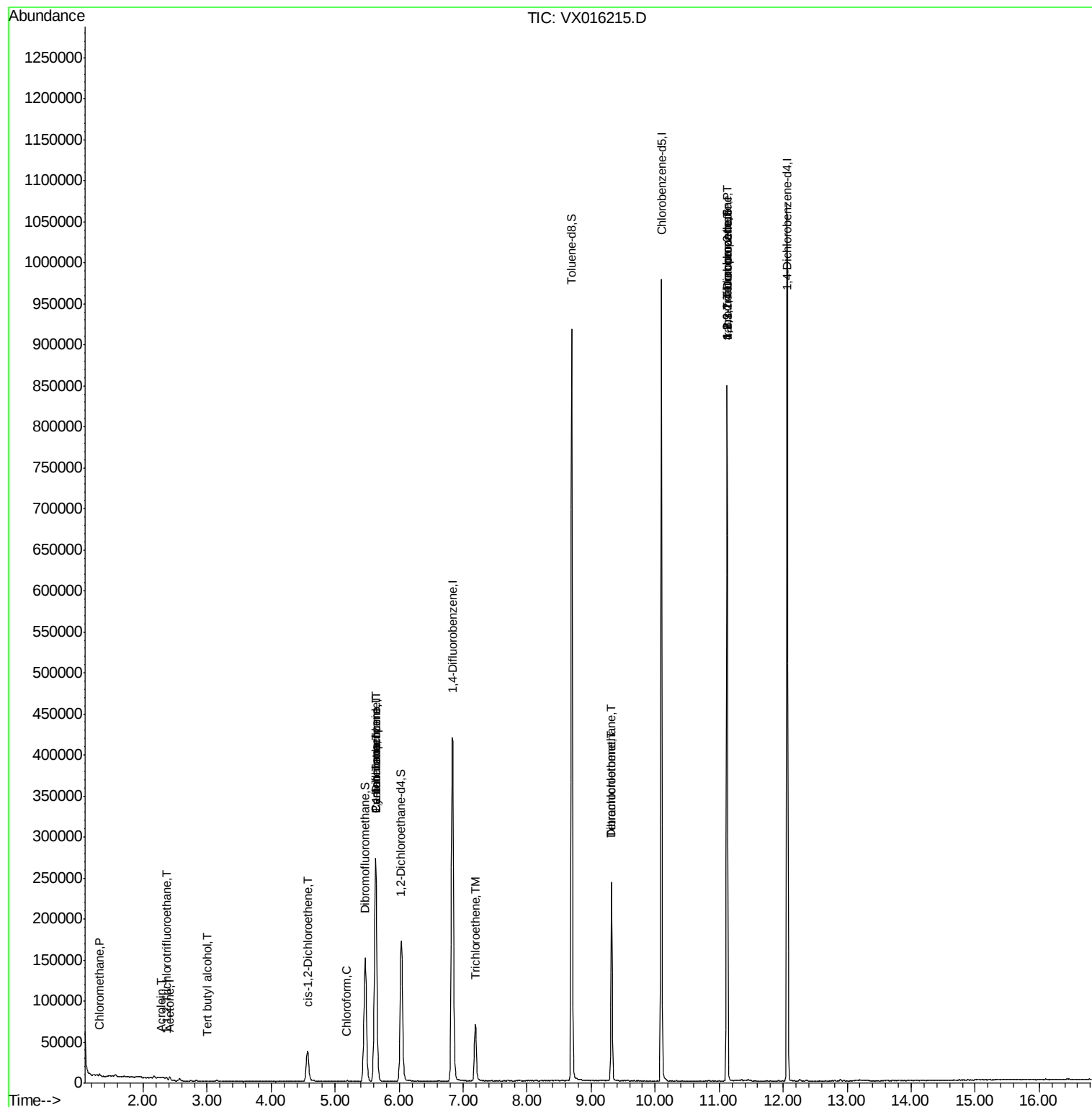
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1507	0.461	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	786	0.298	ug/l	95
11) Tert butyl alcohol	3.00	59	431	0.487	ug/l #	72
13) Acrolein	2.27	56	232	0.419	ug/l #	65
16) Acetone	2.42	43	4743	3.038	ug/l	99
17) Carbon Disulfide	2.55	76	954	Below Cal	#	80
27) cis-1,2-Dichloroethene	4.56	96	24924	7.401	ug/l	87
30) Chloroform	5.17	83	1354	0.254	ug/l	97
31) Cyclohexane	5.64	56	5032	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19432	4.505	ug/l #	49
38) Carbon Tetrachloride	5.64	117	25299	5.770	ug/l #	14
44) Trichloroethene	7.19	130	27460	6.124	ug/l	92
60) Dibromochloromethane	9.32	129	44416	13.029	ug/l #	11
64) Tetrachloroethene	9.32	164	47443	8.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.12	83	166	2.103	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	109257	21.426	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	109257	51.060	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

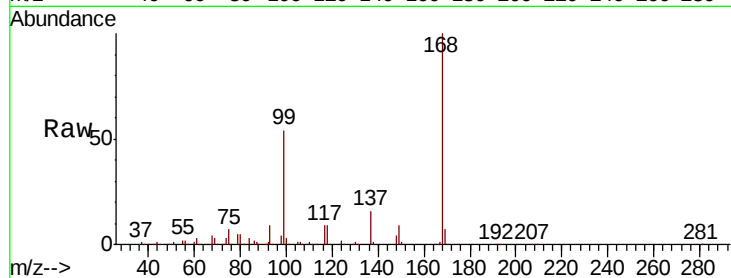
SS052MW334-200512

Tot Ion:168 Resp: 265903

Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

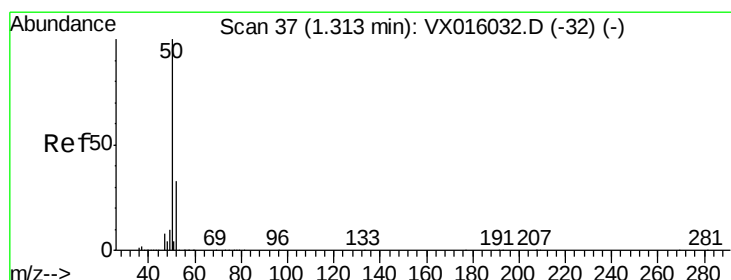
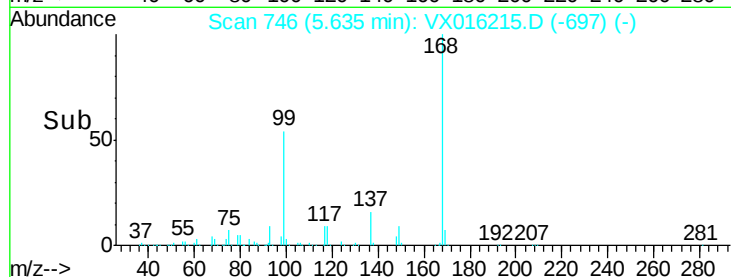
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.461 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016215.D

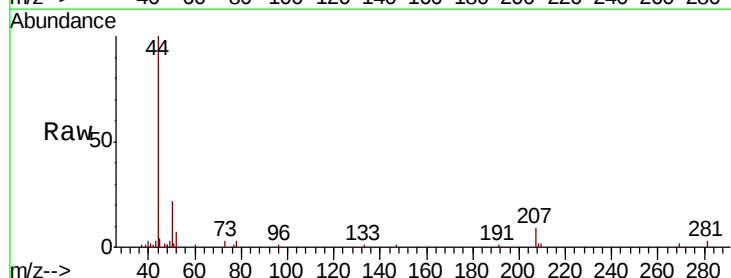
Acq: 14 May 2020 05:48

Tgt Ion: 50 Resp: 1507

Ion Ratio Lower Upper

50 100

52 29.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

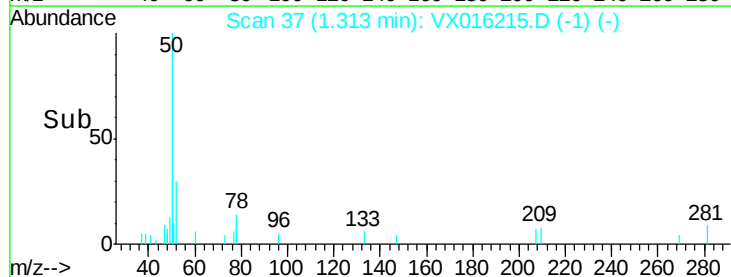
1500

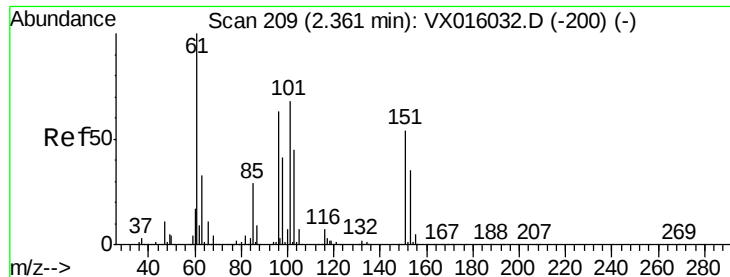
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.298 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

SS052MW334-200512

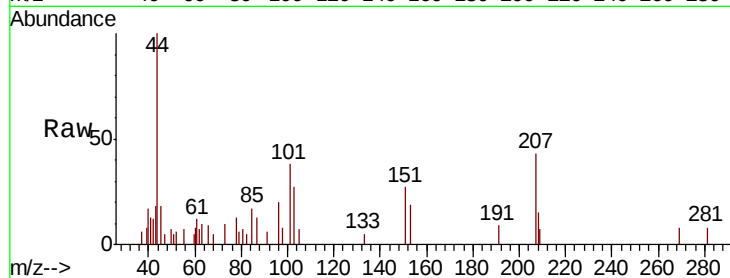
Tot Ion:101 Resp: 786

Ion Ratio Lower Upper

101 100

85 45.8 34.2 51.4

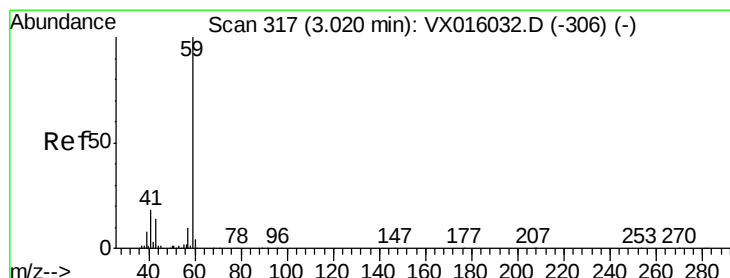
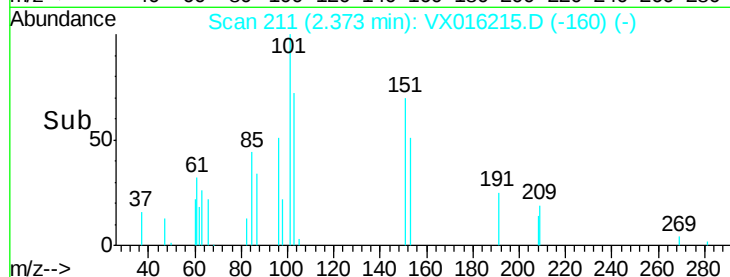
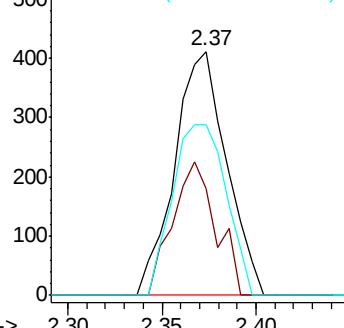
151 72.6 62.1 93.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.487 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016215.D

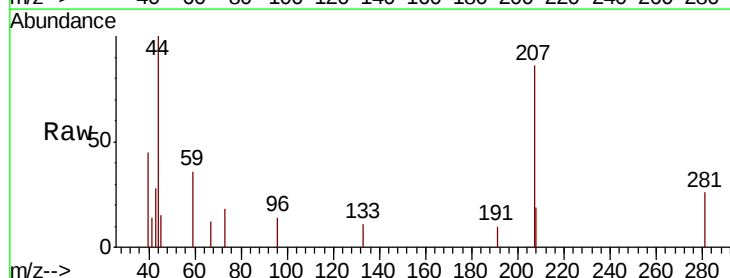
Acq: 14 May 2020 05:48

Tgt Ion: 59 Resp: 431

Ion Ratio Lower Upper

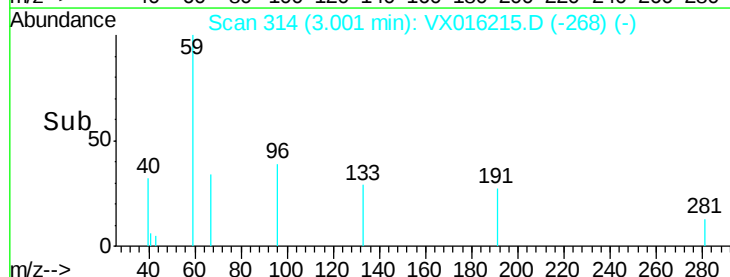
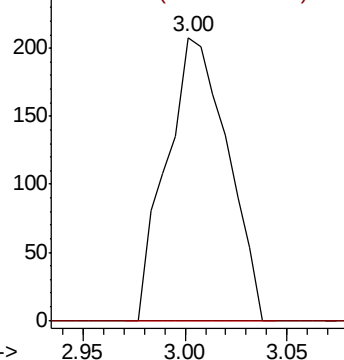
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

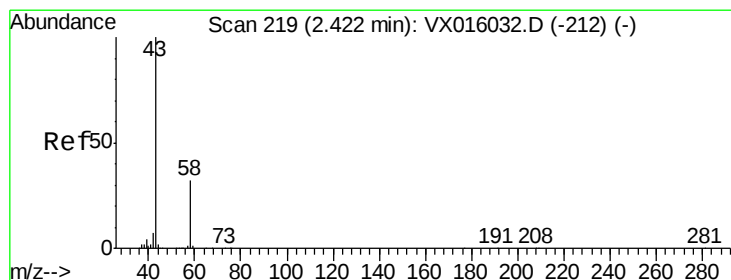
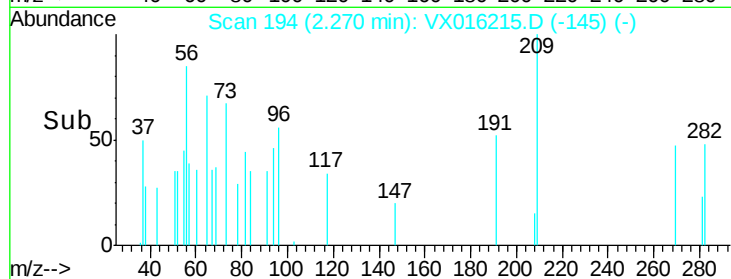
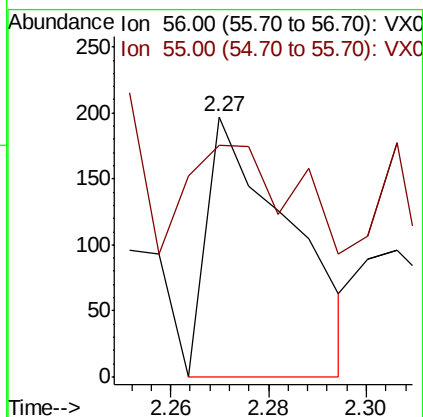
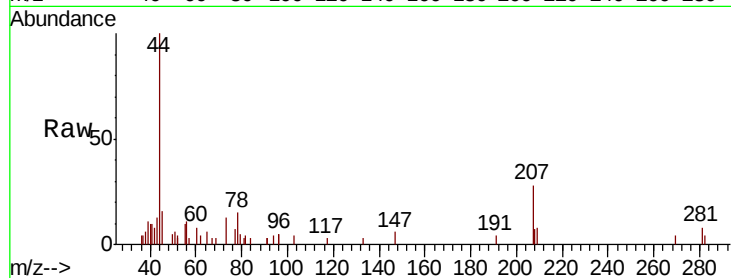




#13
Acrolein
Concen: 0.419 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016215.D
Acq: 14 May 2020 05:48

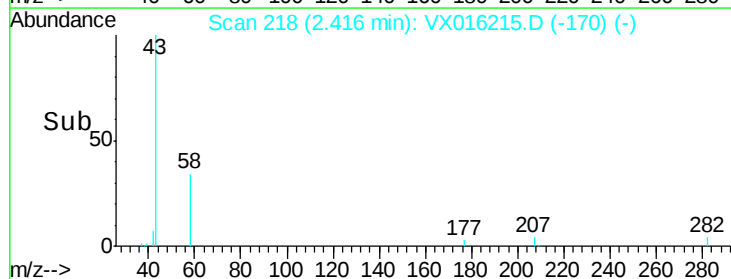
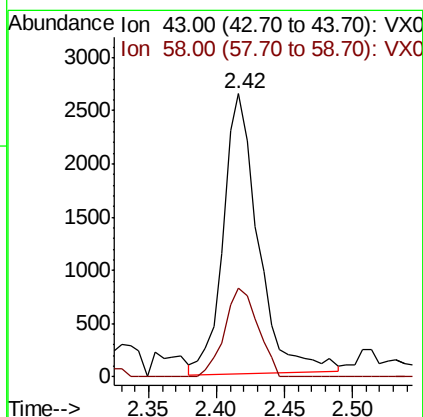
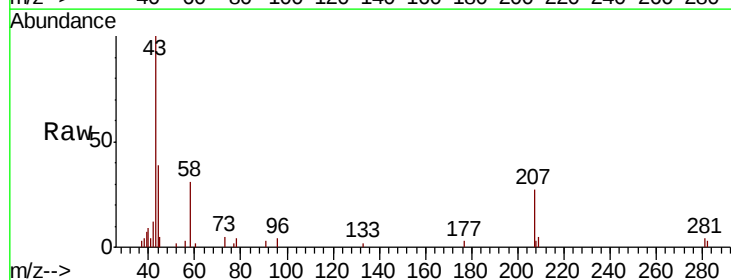
Instrument :
MSVOA_X
ClientSampleId :
SS052MW334-200512

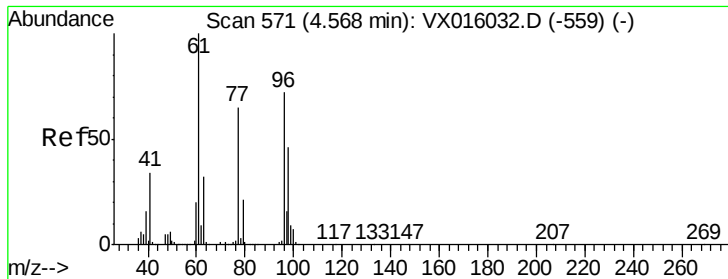
Tot Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 41.8 56.5 84.7#



#16
Acetone
Concen: 3.038 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016215.D
Acq: 14 May 2020 05:48

Tgt Ion: 43 Resp: 4743
Ion Ratio Lower Upper
43 100
58 32.5 25.4 38.0





#27

cis-1,2-Dichloroethene

Concen: 7.401 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

SS052MW334-200512

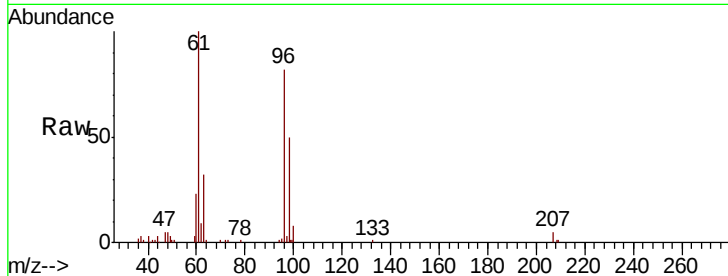
Tot Ion: 96 Resp: 24924

Ion Ratio Lower Upper

96 100

61 124.7 0.0 296.2

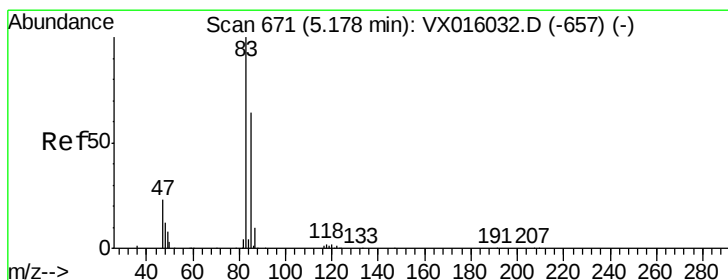
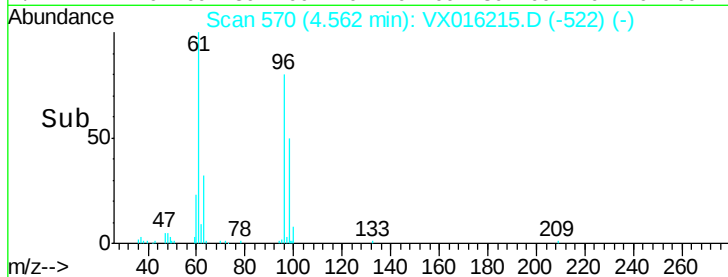
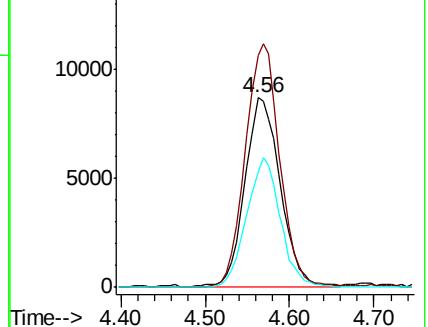
98 64.3 0.0 129.4



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



#30

Chloroform

Concen: 0.254 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX016215.D

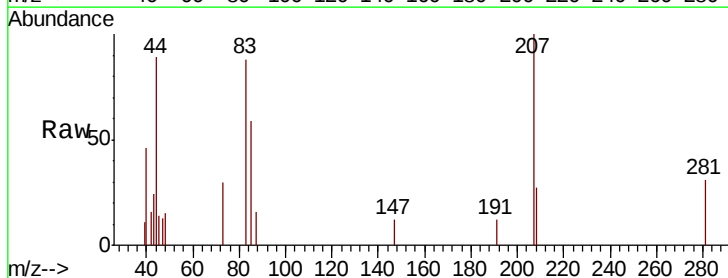
Acq: 14 May 2020 05:48

Tgt Ion: 83 Resp: 1354

Ion Ratio Lower Upper

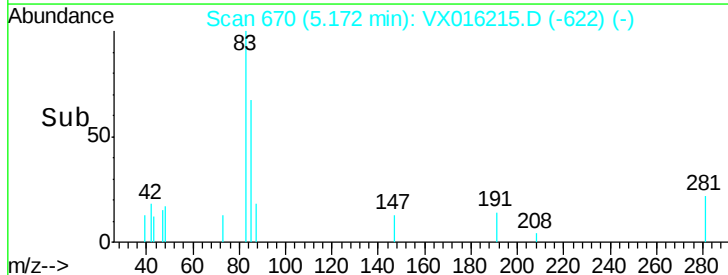
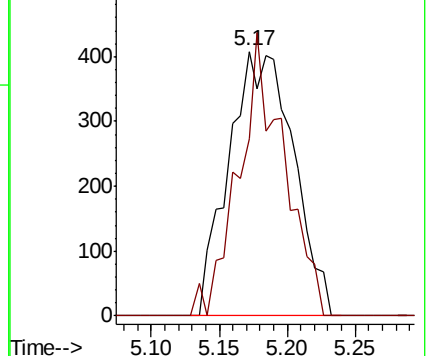
83 100

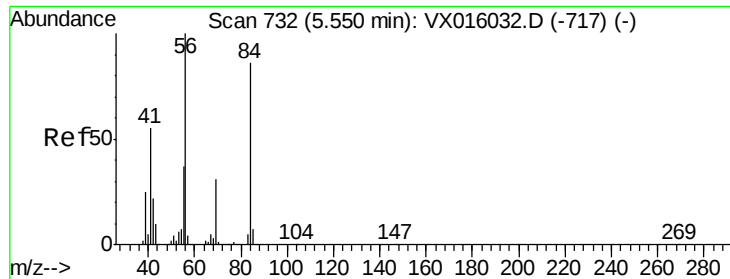
85 66.9 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

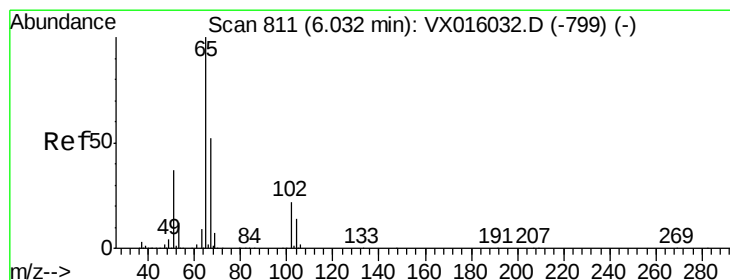
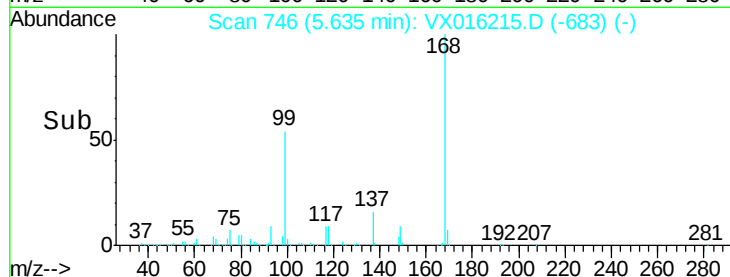
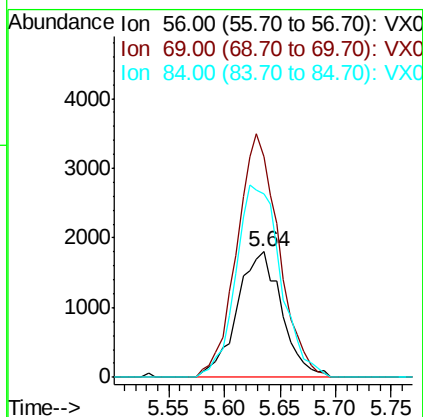
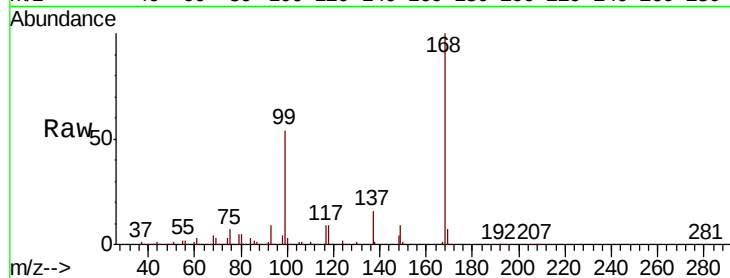




#31
Cvclohexane
Concen: 1.035 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016215.D
Acq: 14 May 2020 05:48

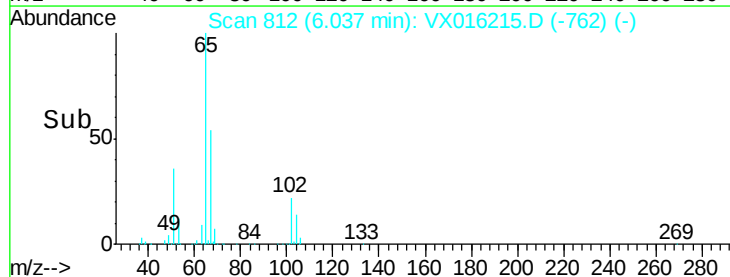
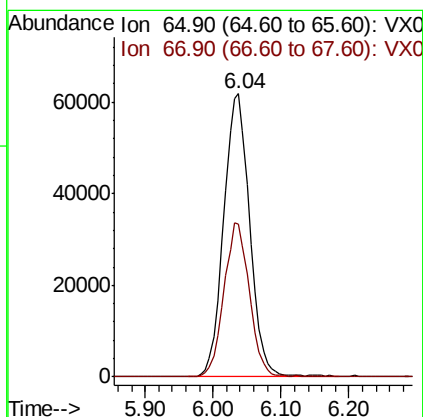
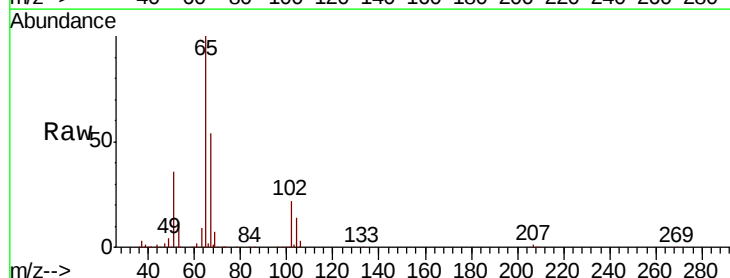
Instrument :
MSVOA_X
ClientSampleId :
SS052MW334-200512

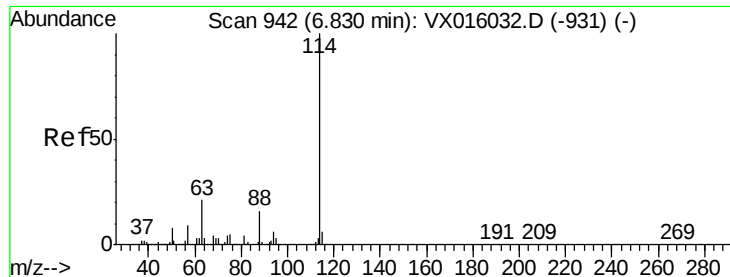
Tot Ion: 56 Resp: 5032
Ion Ratio Lower Upper
56 100
69 175.9 25.0 37.6#
84 146.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.819 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016215.D
Acq: 14 May 2020 05:48

Tgt Ion: 65 Resp: 163820
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

SS052MW334-200512

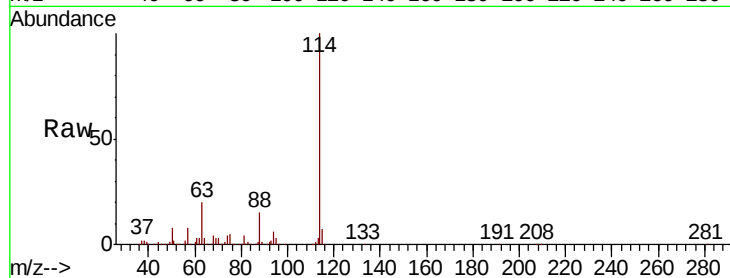
Tot Ion:114 Resp: 438214

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

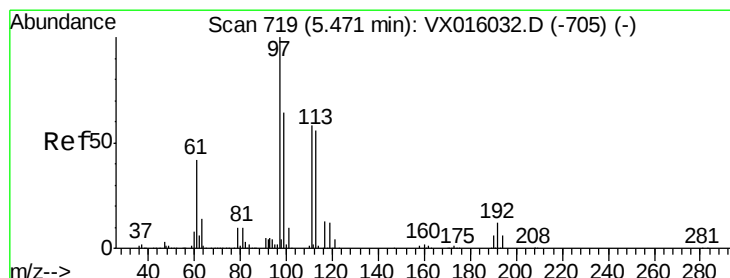
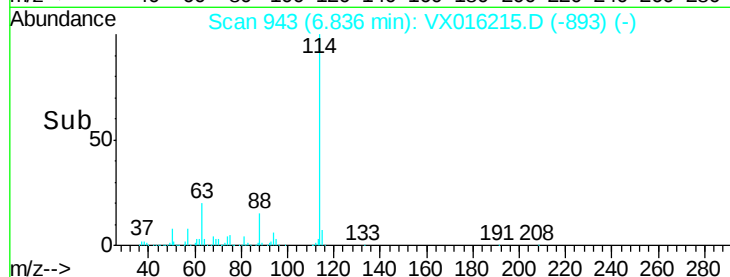
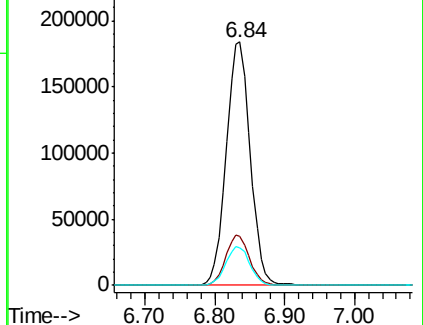
88 15.3 0.0 31.4



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: 47.156 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

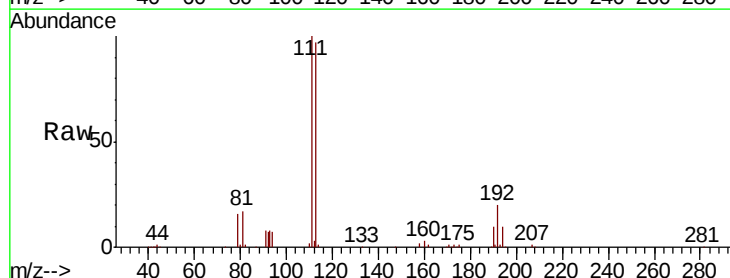
Tgt Ion:113 Resp: 130918

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

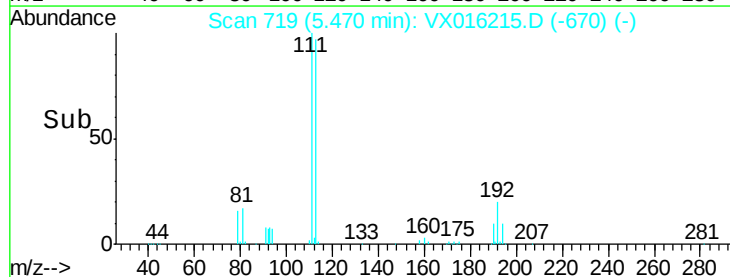
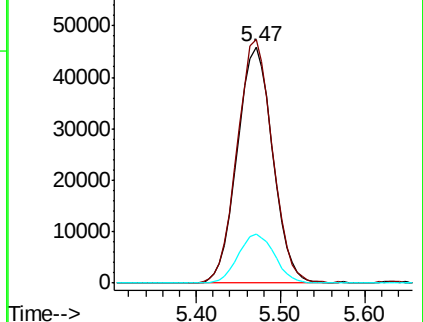
192 21.3 17.0 25.4

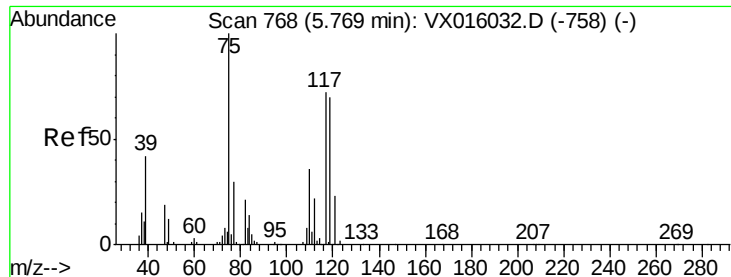


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.505 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

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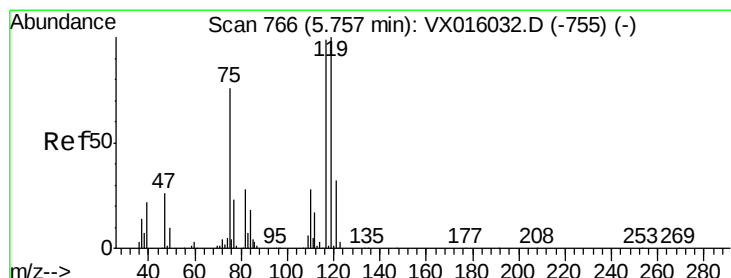
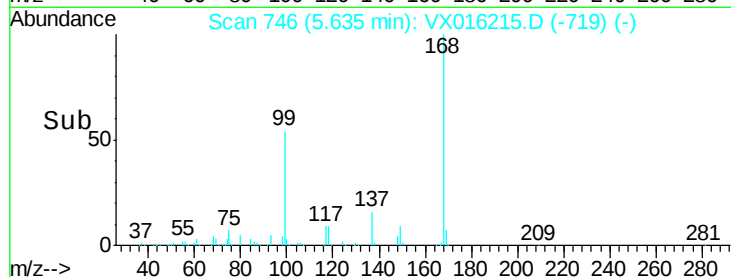
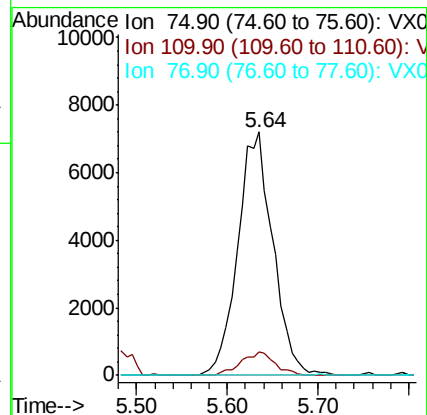
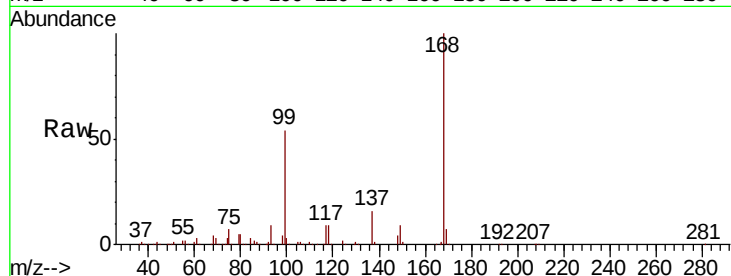
Tot Ion: 75 Resp: 19432

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.770 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

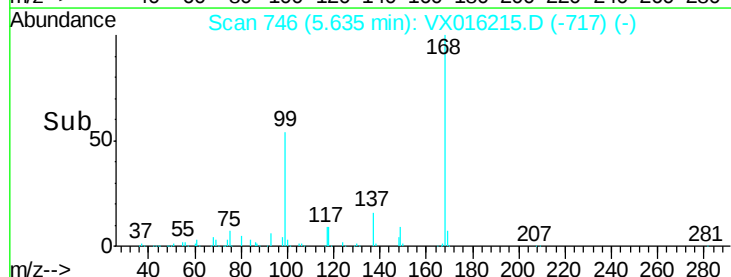
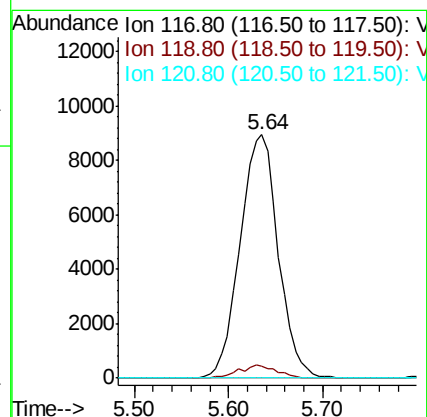
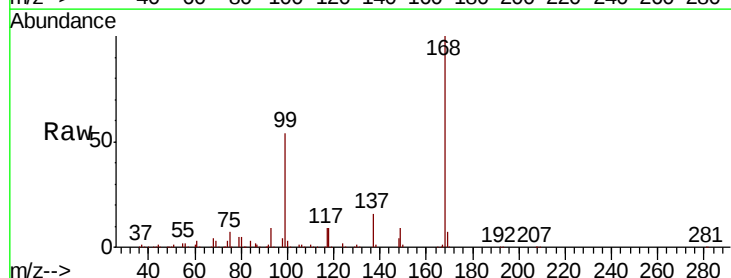
Tgt Ion: 117 Resp: 25299

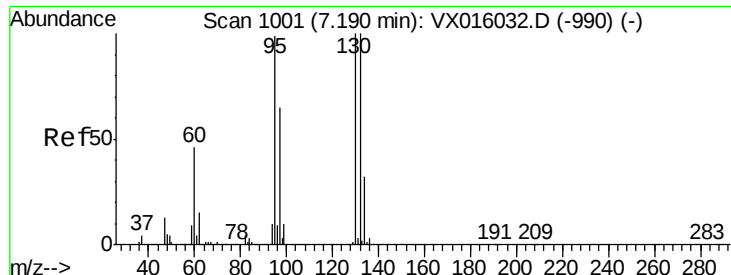
Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

121 0.0 25.7 38.5#





#44

Trichloroethene

Concen: 6.124 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

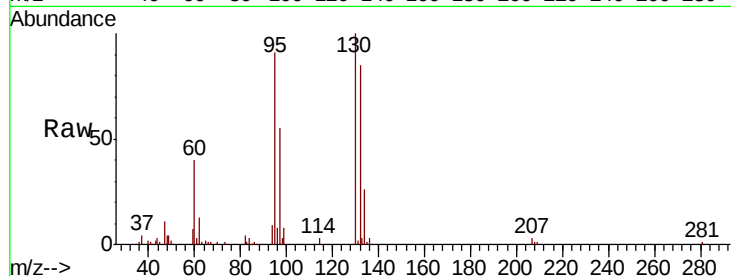
SS052MW334-200512

Tot Ion:130 Resp: 27460

Ion Ratio Lower Upper

130 100

95 90.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

15000

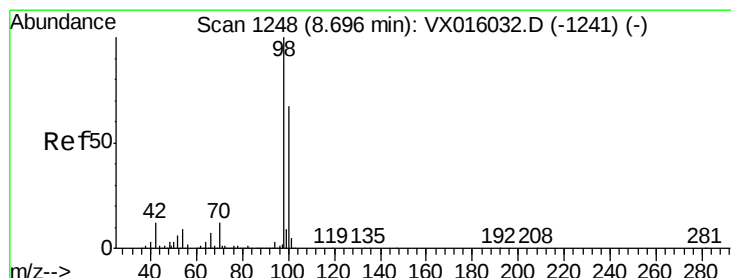
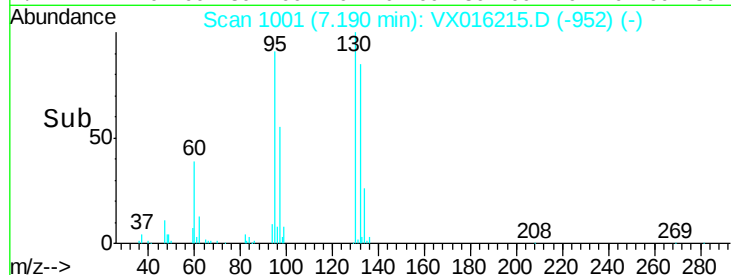
10000

5000

0

Time-->

7.10 7.20 7.30



#50

Toluene-d8

Concen: 51.282 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016215.D

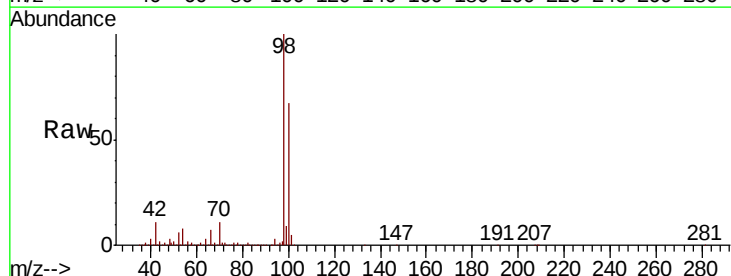
Acq: 14 May 2020 05:48

Tgt Ion: 98 Resp: 548575

Ion Ratio Lower Upper

98 100

100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

400000

300000

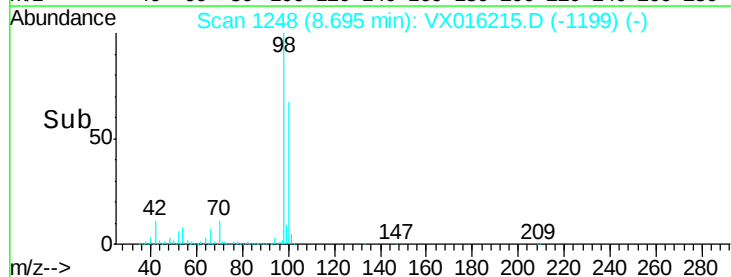
200000

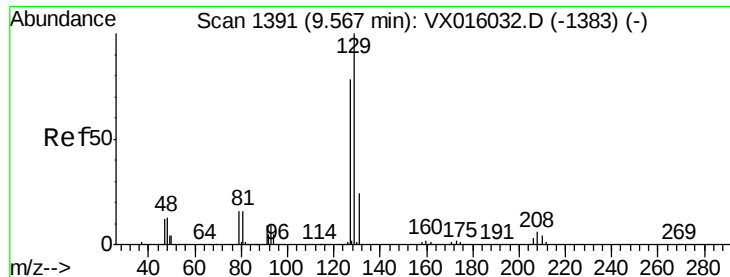
100000

0

Time-->

8.60 8.70 8.80





#60

Dibromochloromethane

Concen: 13.029 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

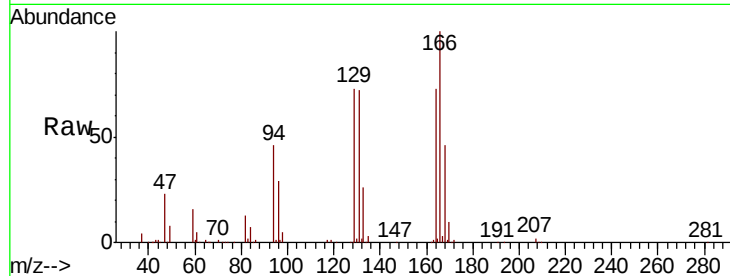
SS052MW334-200512

Tot Ion:129 Resp: 44416

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

30000

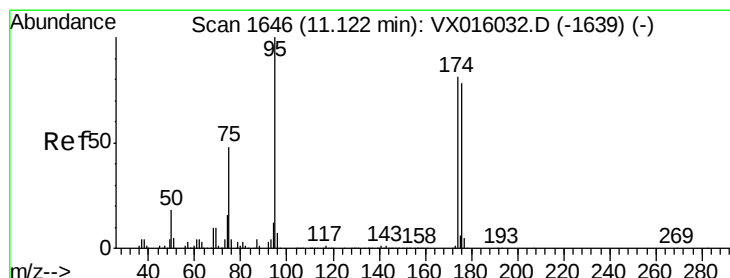
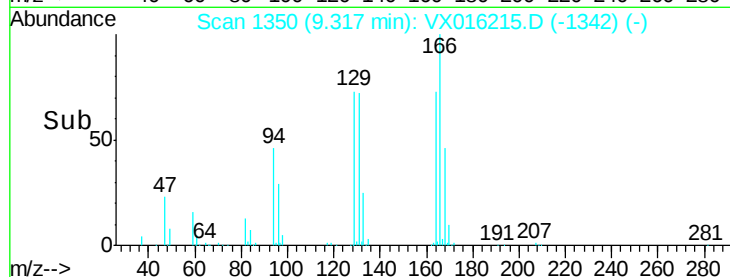
20000

10000

0

9.25 9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 54.418 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

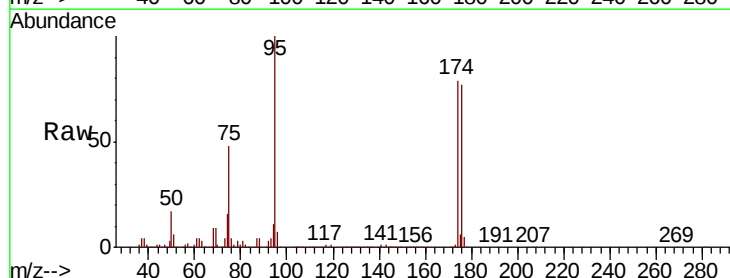
Tgt Ion: 95 Resp: 221411

Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.4

176 78.9 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

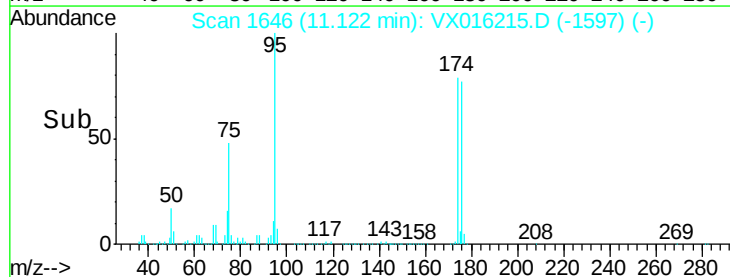
100000

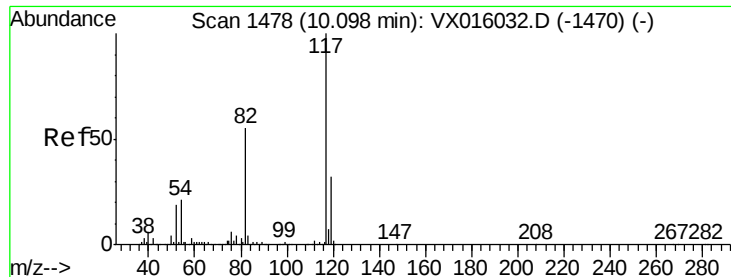
50000

0

11.10 11.20

Time-->

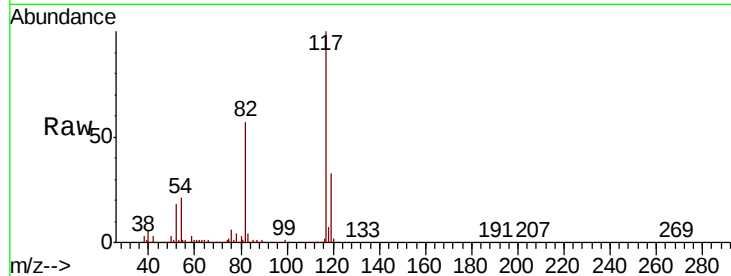




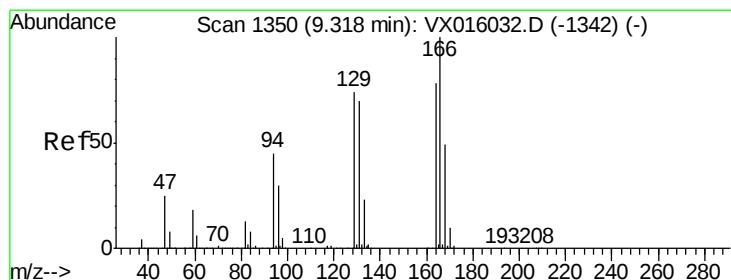
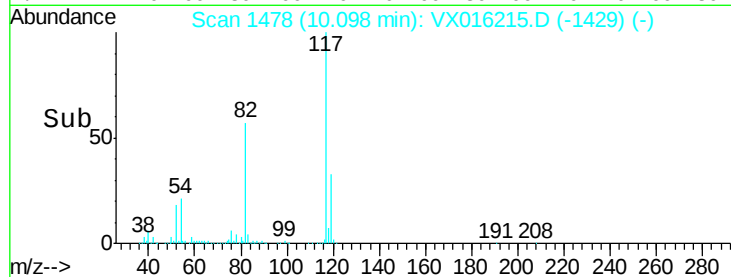
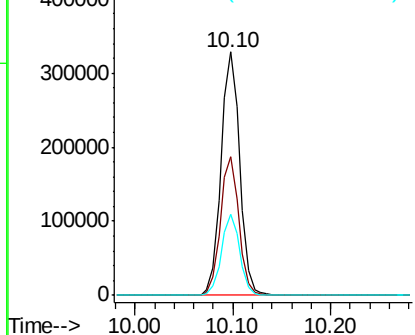
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016215.D
Acq: 14 May 2020 05:48

Instrument :
MSVOA_X
ClientSampleId :
SS052MW334-200512

Tot Ion:117 Resp: 435572
Ion Ratio Lower Upper
117 100
82 57.2 44.4 66.6
119 33.2 25.5 38.3

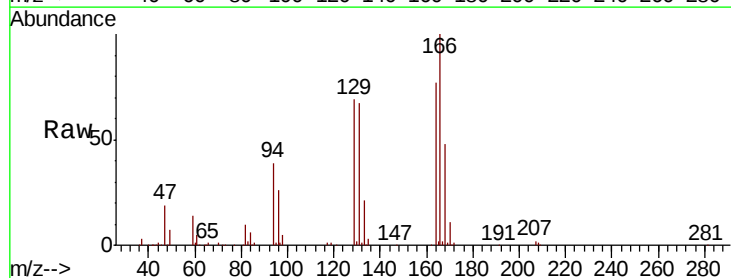


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

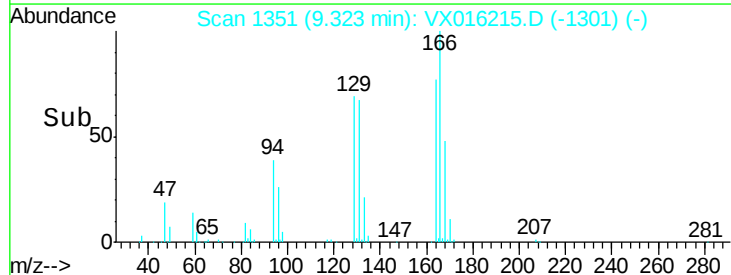
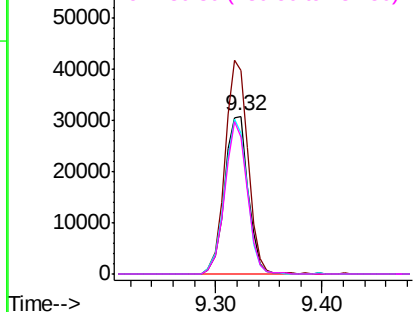


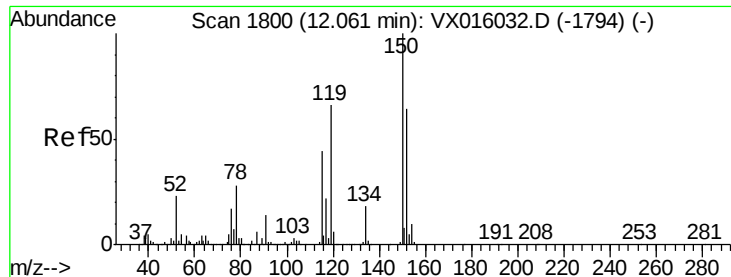
#64
Tetrachloroethene
Concen: 8.872 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016215.D
Acq: 14 May 2020 05:48

Tgt Ion:164 Resp: 47443
Ion Ratio Lower Upper
164 100
166 129.2 102.9 154.3
129 89.1 76.1 114.1
131 86.6 71.9 107.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

SS052MW334-200512

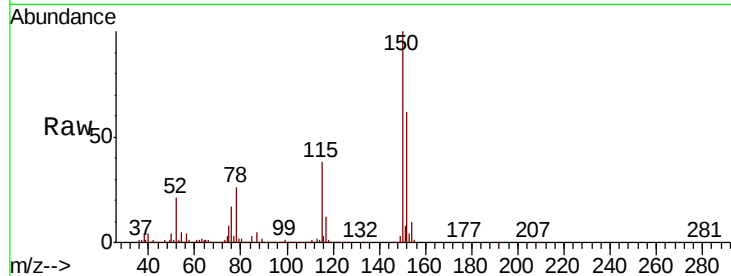
Tot Ion:152 Resp: 224713

Ion Ratio Lower Upper

152 100

115 58.4 41.3 124.1

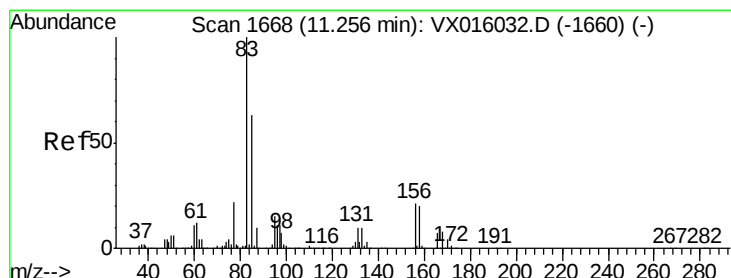
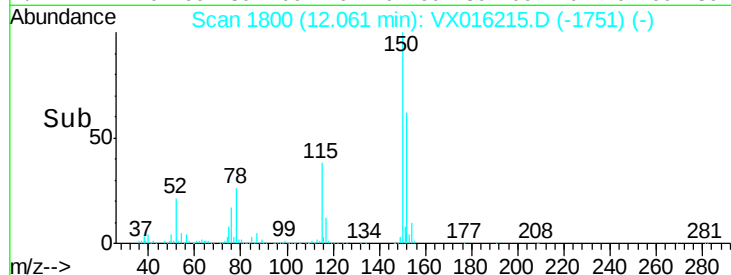
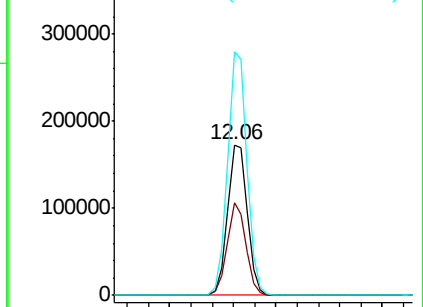
150 158.5 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.103 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

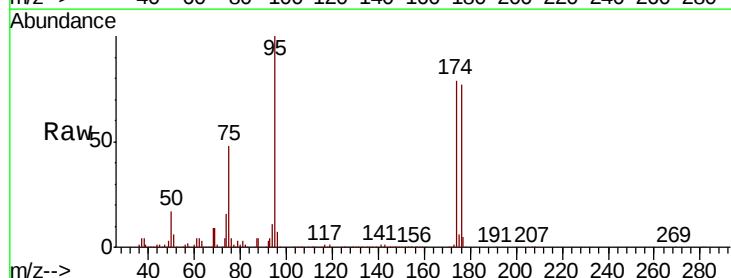
Tgt Ion: 83 Resp: 166

Ion Ratio Lower Upper

83 100

131 184.3 5.1 15.4#

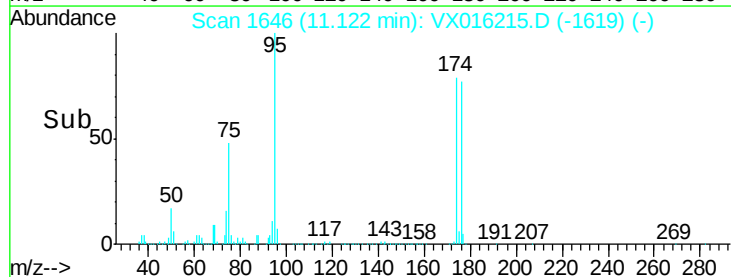
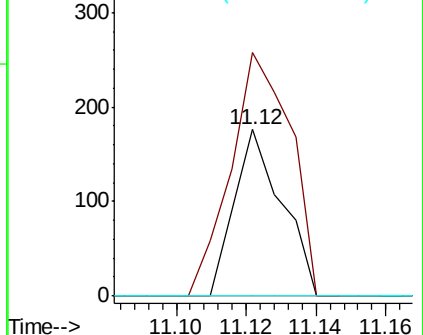
85 0.0 32.0 96.0#

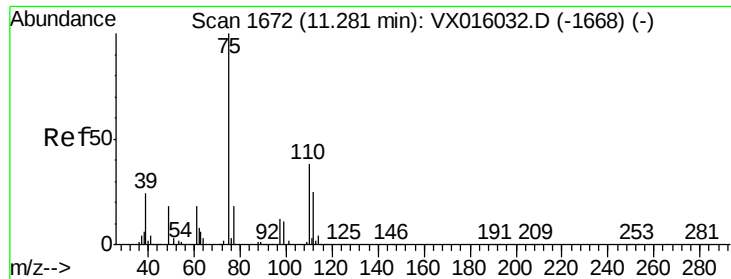


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.426 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

Instrument :

MSVOA_X

ClientSampleId :

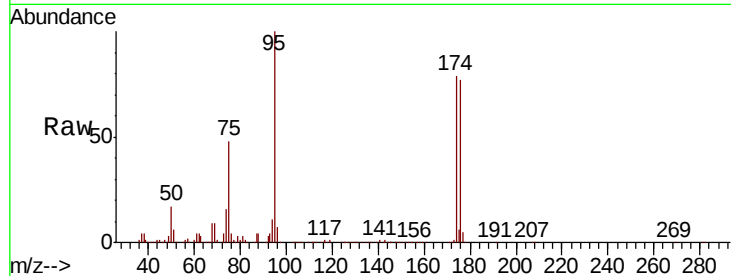
SS052MW334-200512

Tot Ion: 75 Resp: 109257

Ion Ratio Lower Upper

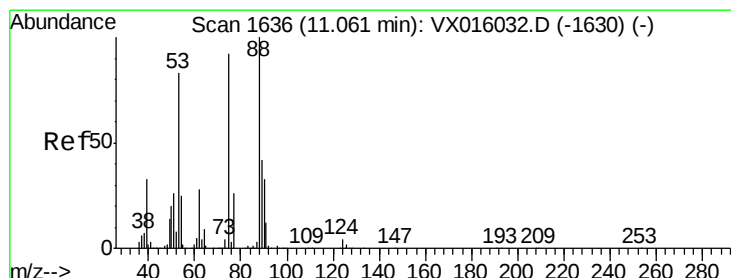
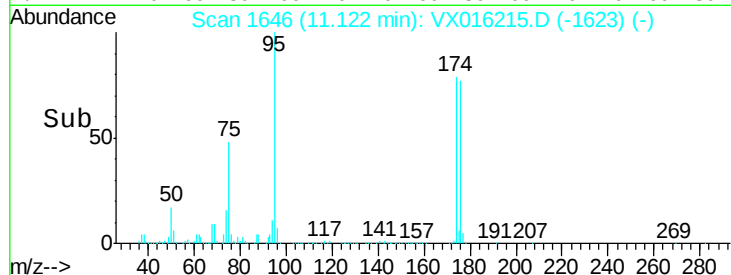
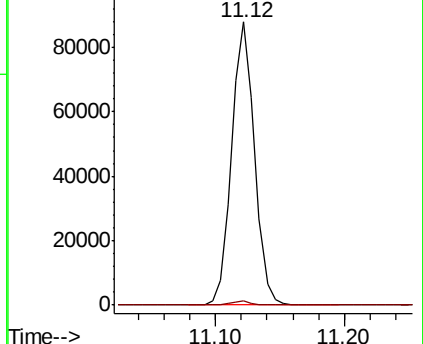
75 100

77 1.4 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: 51.060 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016215.D

Acq: 14 May 2020 05:48

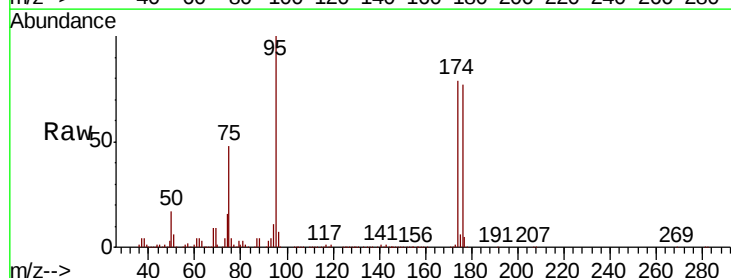
Tgt Ion: 75 Resp: 109257

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



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

