

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016173.D
 Acq On : 13 May 2020 12:50
 Operator : JC/SP
 Sample : L2597-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW272-200511

Quant Time: May 14 04:26:21 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	5.63	168	286417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	475511	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	243447	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	176992	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
35) Dibromofluoromethane	5.47	113	141211	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	8.70	98	589187	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.12	95	234543	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	312	0.327	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1033	0.347	ug/l #	70
16) Acetone	2.42	43	2660	1.582	ug/l #	88
17) Carbon Disulfide	2.55	76	1693	Below Cal		98
19) Methyl tert-butyl Ether	3.17	73	7703	0.751	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	925	0.279	ug/l	87
27) cis-1,2-Dichloroethene	4.57	96	11426	3.150	ug/l	83
30) Chloroform	5.19	83	1273	0.222	ug/l	99
31) Cyclohexane	5.63	56	5543	1.059	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	20668	4.416	ug/l #	49
38) Carbon Tetrachloride	5.64	117	27763	5.835	ug/l #	15
44) Trichloroethene	7.19	130	44899	9.228	ug/l	100
60) Dibromochloromethane	9.32	129	12192	3.296	ug/l #	11
64) Tetrachloroethene	9.32	164	13303	2.324	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.13	83	173	2.101	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	116201	21.034	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	116201	50.126	ug/l #	13
94) Hexachlorobutadiene	13.76	225	25	0.533	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

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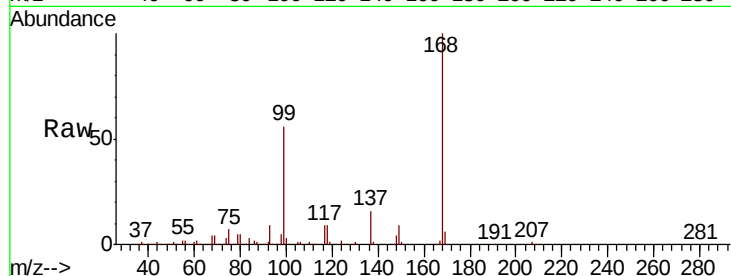
SS052MW272-200511

Tot Ion:168 Resp: 286417

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

40000

20000

0

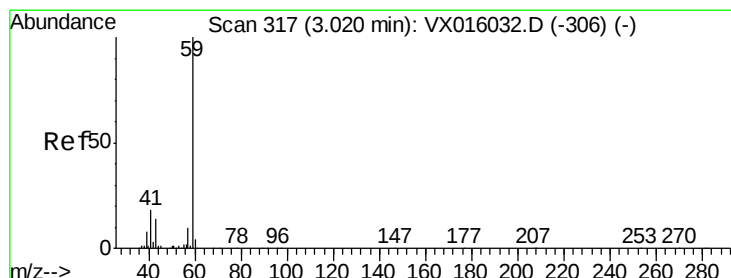
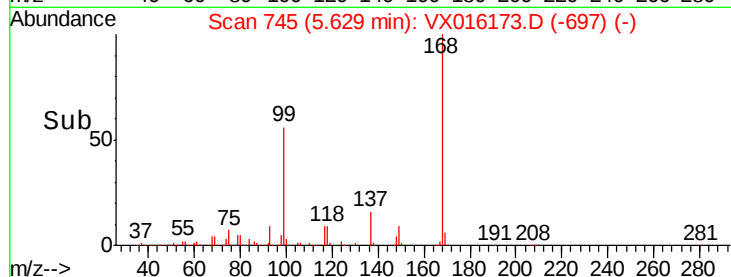
Time-->

5.50

5.60

5.70

5.80



#11

Tert butyl alcohol

Concen: 0.327 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016173.D

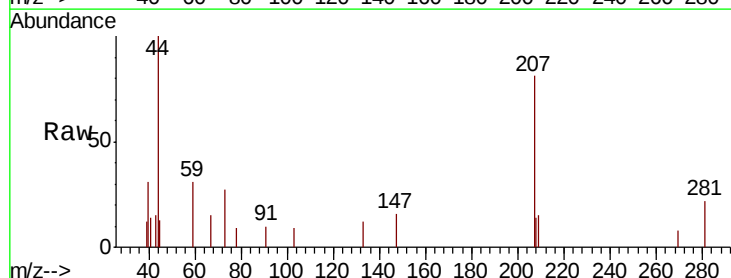
Acq: 13 May 2020 12:50

Tgt Ion: 59 Resp: 312

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

3.00

200

150

100

50

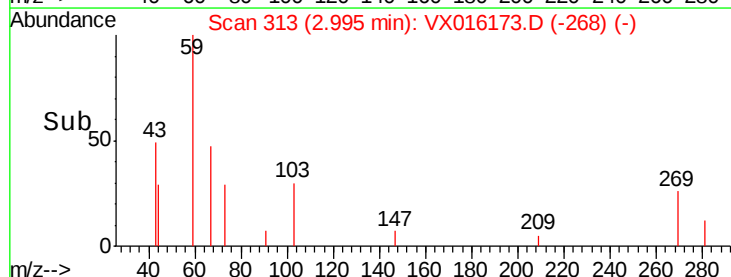
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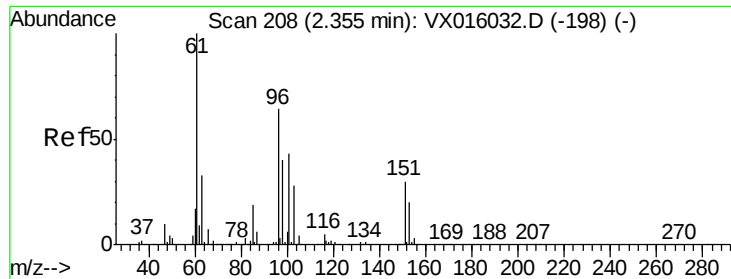
Time-->

2.95

3.00

3.05





#12

1,1-Dichloroethene

Concen: 0.347 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

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ClientSampleId :

SS052MW272-200511

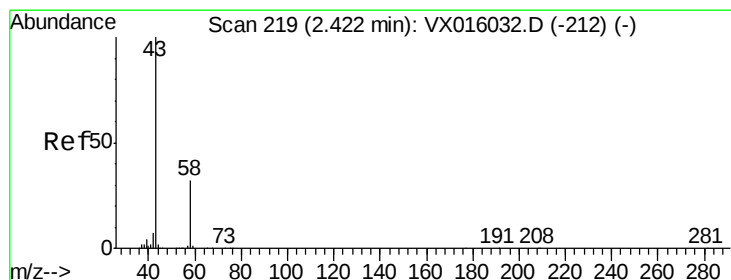
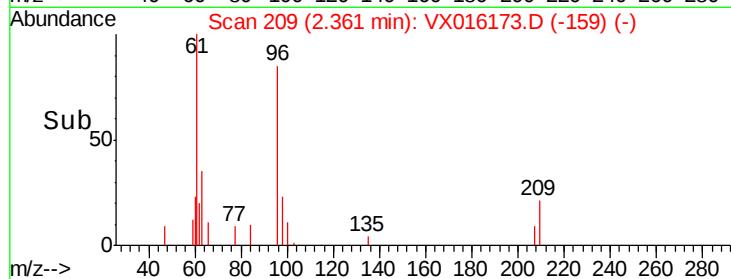
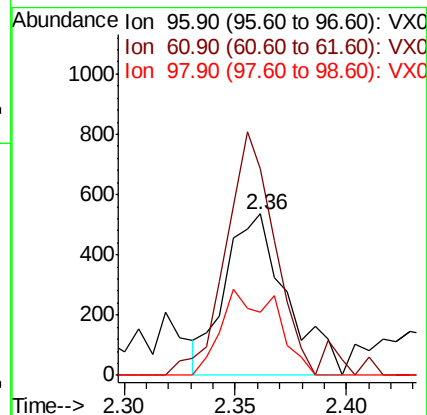
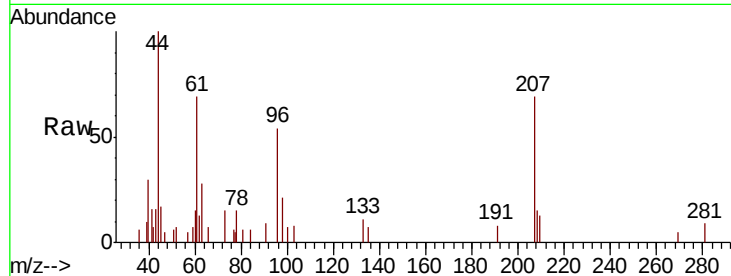
Tot Ion: 96 Resp: 1033

Ion Ratio Lower Upper

96 100

61 117.7 124.8 187.2#

98 39.0 49.7 74.5#



#16

Acetone

Concen: 1.582 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016173.D

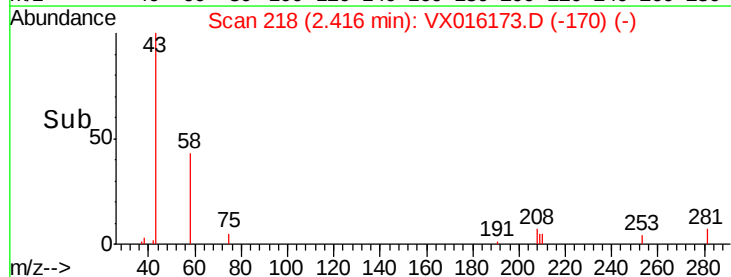
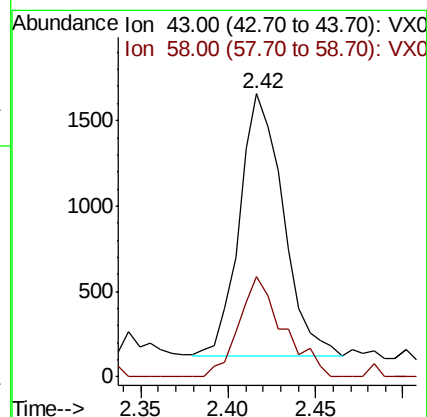
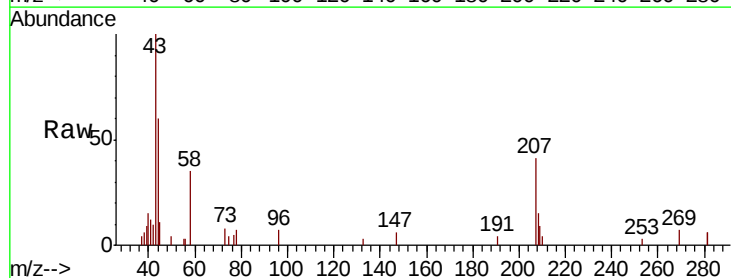
Acq: 13 May 2020 12:50

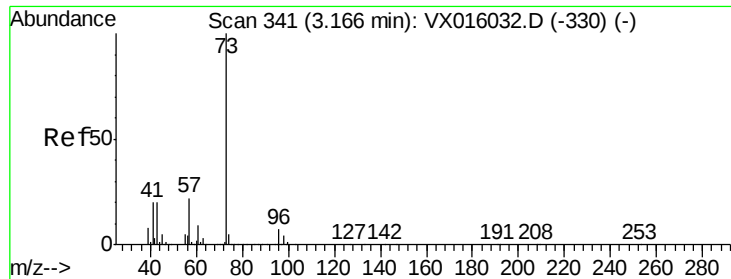
Tgt Ion: 43 Resp: 2660

Ion Ratio Lower Upper

43 100

58 38.2 25.4 38.0#

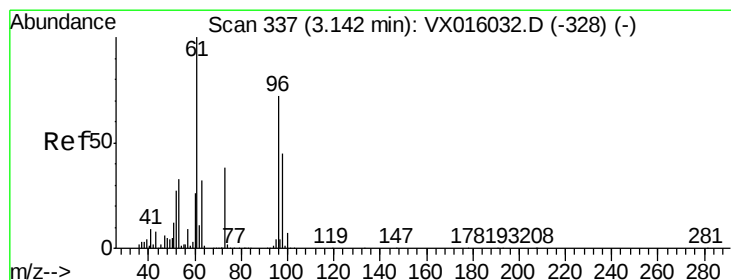
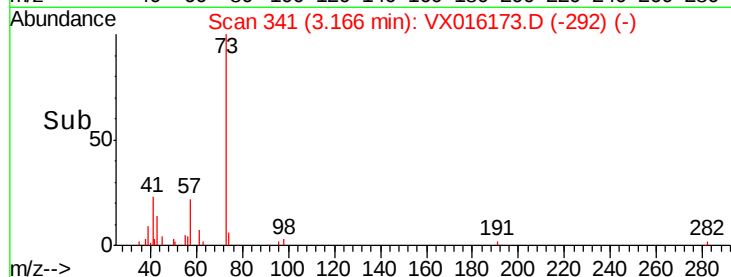
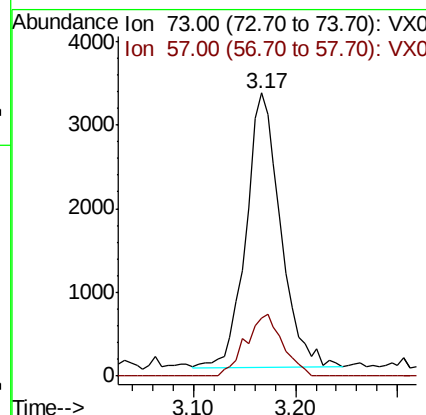
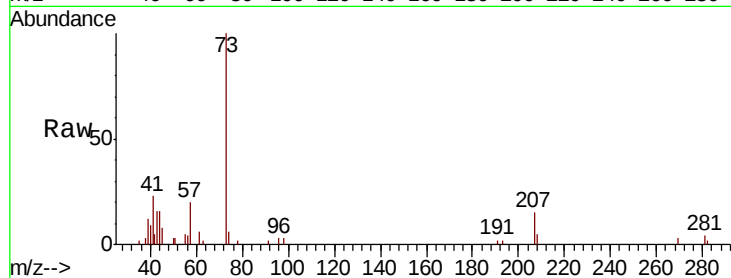




#19
Methvl tert-butvl Ether
Concen: 0.751 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016173.D
Acq: 13 May 2020 12:50

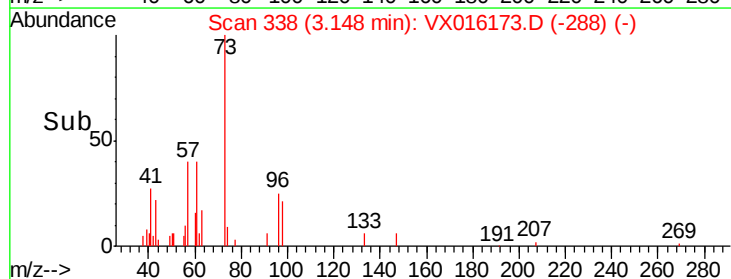
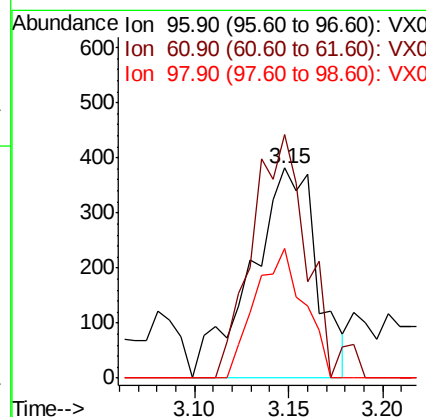
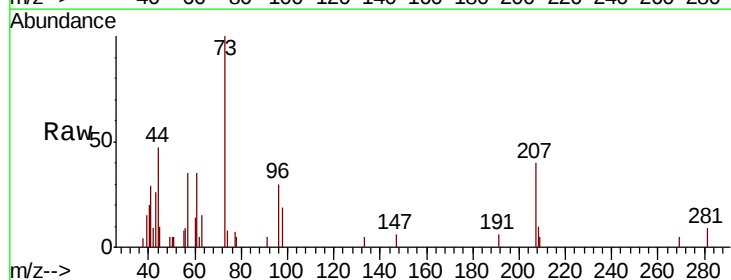
Instrument :
MSVOA_X
ClientSampleId :
SS052MW272-200511

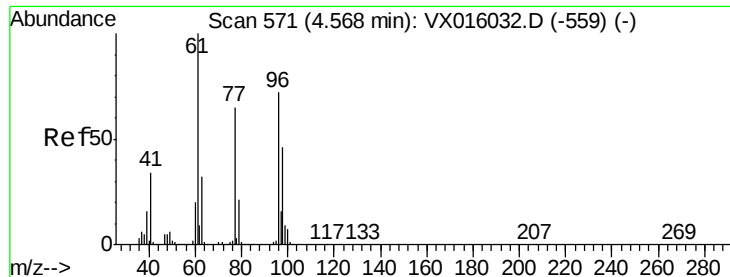
Tot Ion: 73 Resp: 7703
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6



#21
trans-1,2-Dichloroethene
Concen: 0.279 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016173.D
Acq: 13 May 2020 12:50

Tgt Ion: 96 Resp: 925
Ion Ratio Lower Upper
96 100
61 116.0 111.2 166.8
98 61.9 50.2 75.4



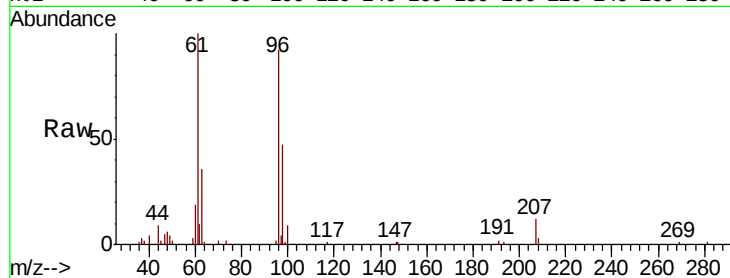


#27

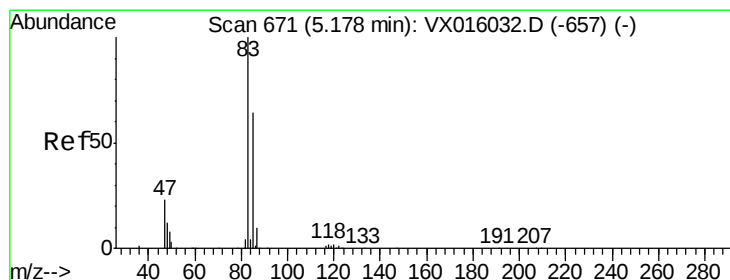
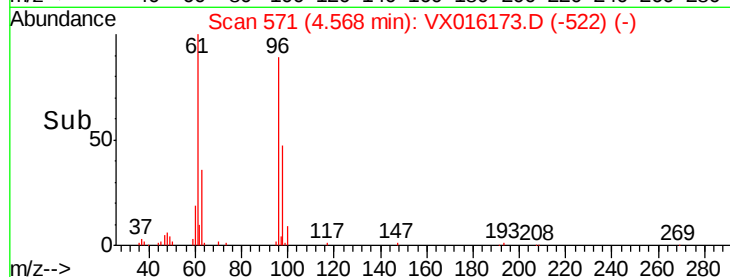
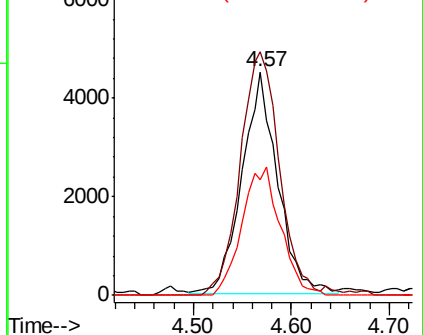
cis-1,2-Dichloroethene
 Concen: 3.150 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016173.D
 Acq: 13 May 2020 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW272-200511

Tot Ion: 96 Resp: 11426
 Ion Ratio Lower Upper
 96 100
 61 119.7 0.0 296.2
 98 62.2 0.0 129.4



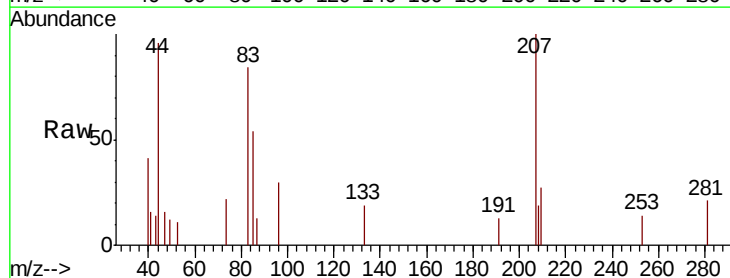
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



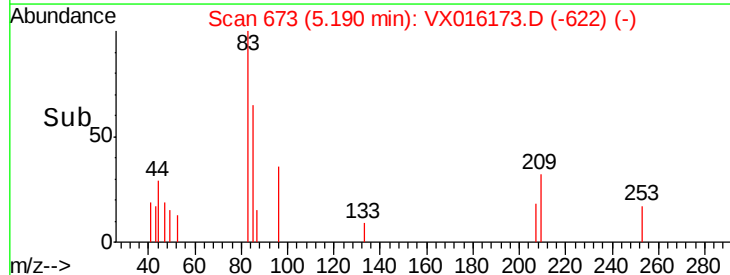
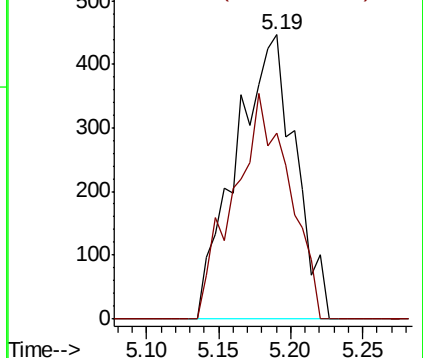
#30

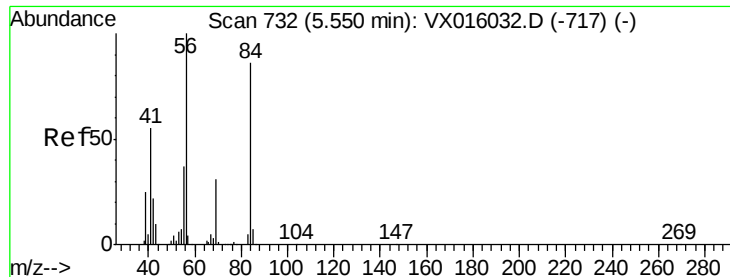
Chloroform
 Concen: 0.222 ug/l
 RT: 5.19 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VX016173.D
 Acq: 13 May 2020 12:50

Tgt Ion: 83 Resp: 1273
 Ion Ratio Lower Upper
 83 100
 85 65.1 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0

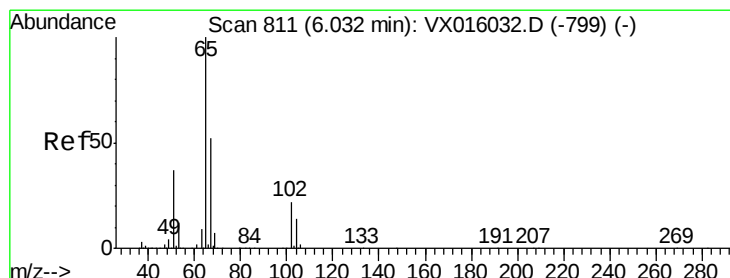
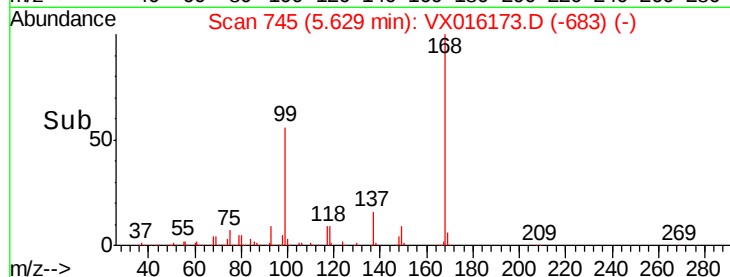
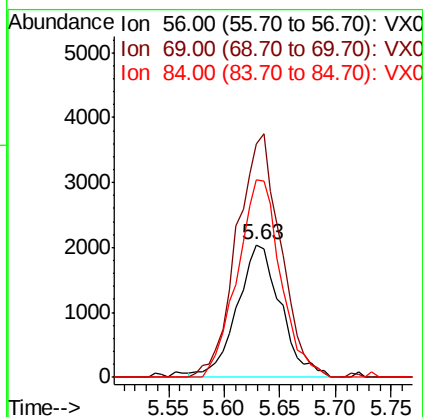
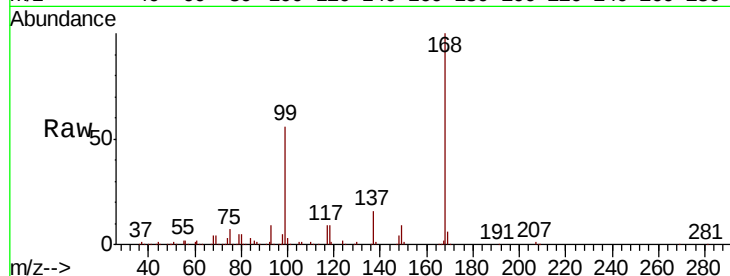




#31
Cyclohexane
Concen: 1.059 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016173.D
Acq: 13 May 2020 12:50

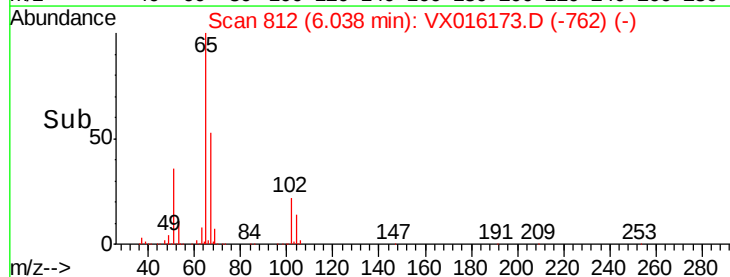
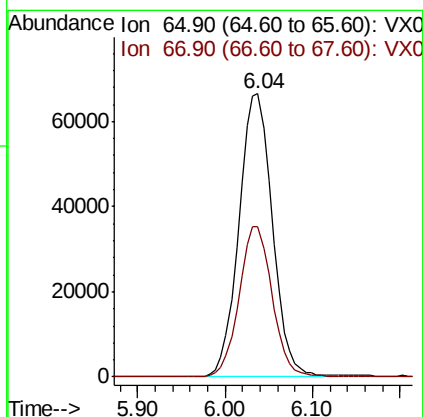
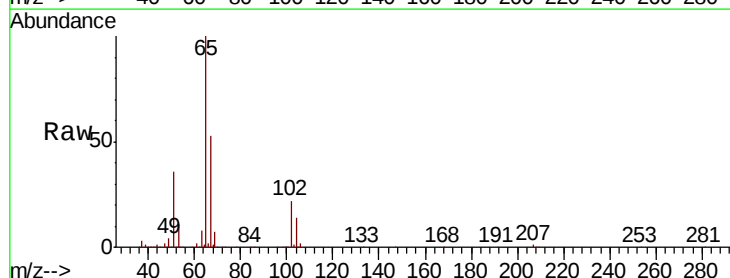
Instrument :
MSVOA_X
ClientSampleId :
SS052MW272-200511

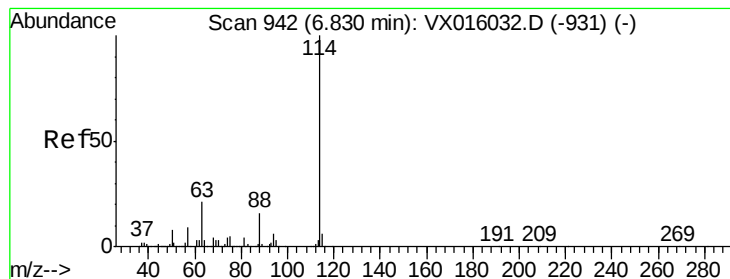
Tot Ion: 56 Resp: 5543
Ion Ratio Lower Upper
56 100
69 175.8 25.0 37.6#
84 149.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.961 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016173.D
Acq: 13 May 2020 12:50

Tgt Ion: 65 Resp: 176992
Ion Ratio Lower Upper
65 100
67 52.5 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: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

SS052MW272-200511

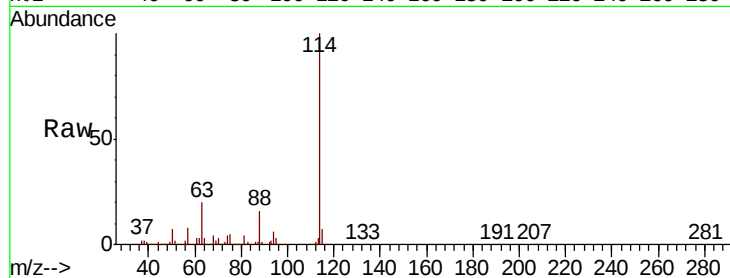
Tot Ion:114 Resp: 475511

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

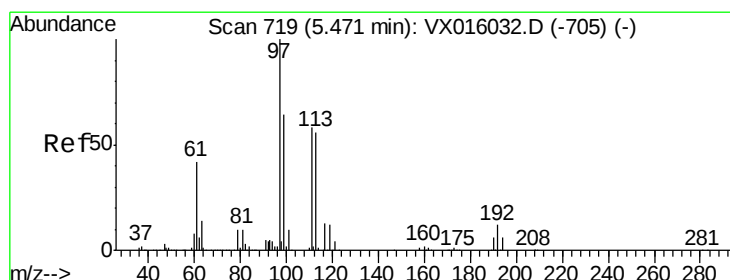
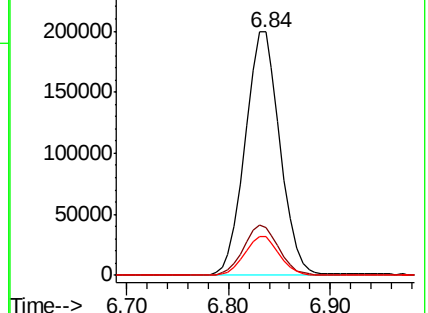
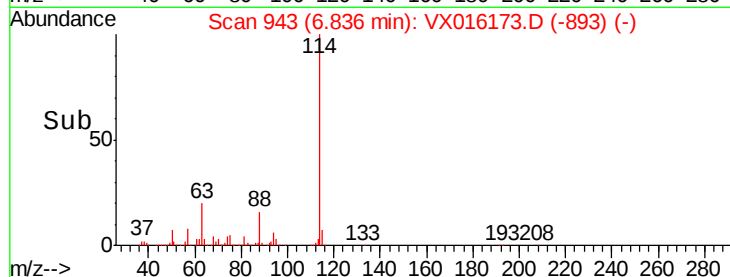
88 15.8 0.0 31.4



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: 46.874 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

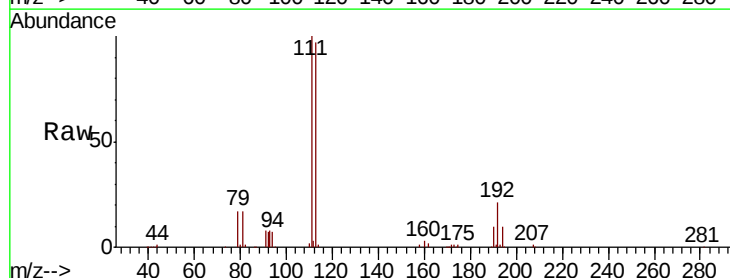
Tgt Ion:113 Resp: 141211

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

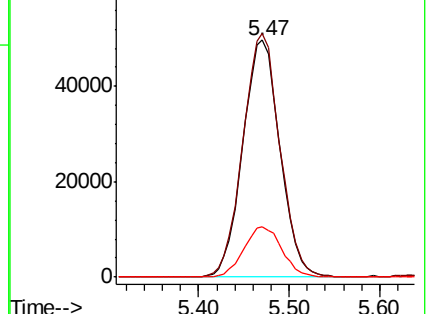
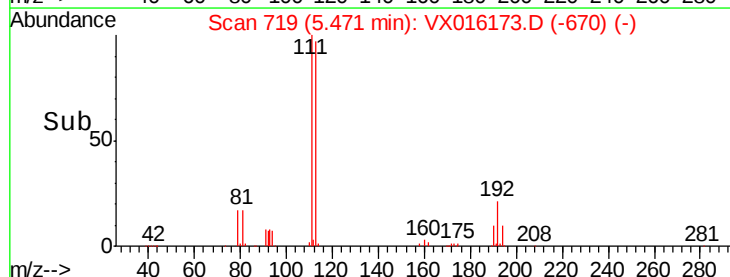
192 21.5 17.0 25.4

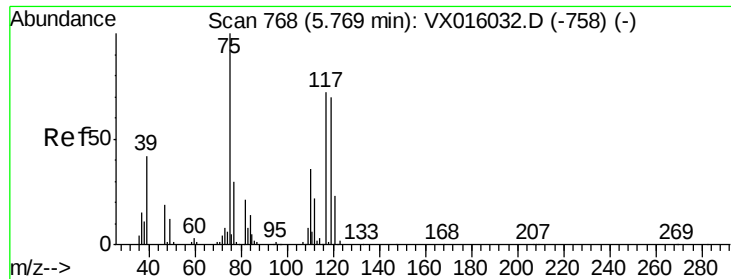


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.416 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

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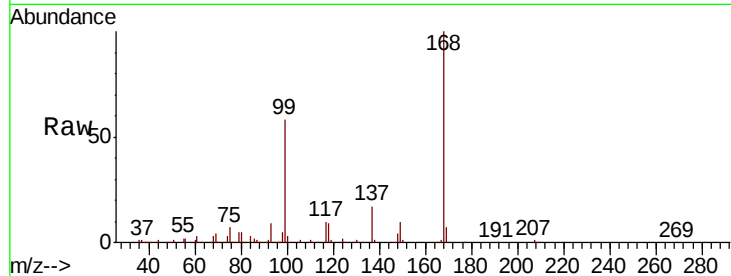
Tot Ion: 75 Resp: 20668

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

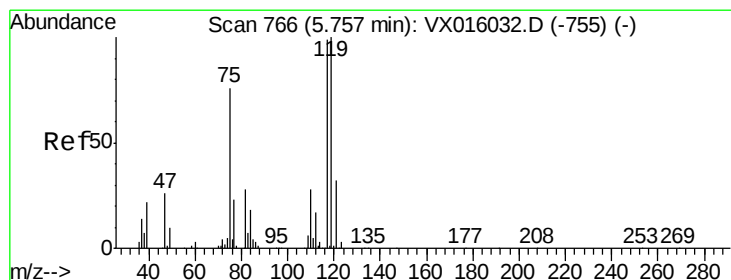
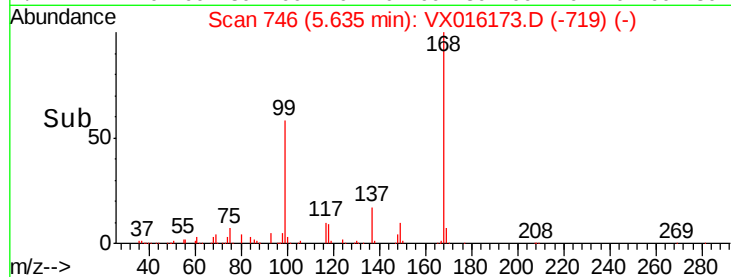
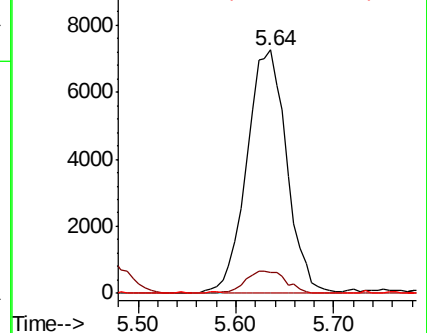
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

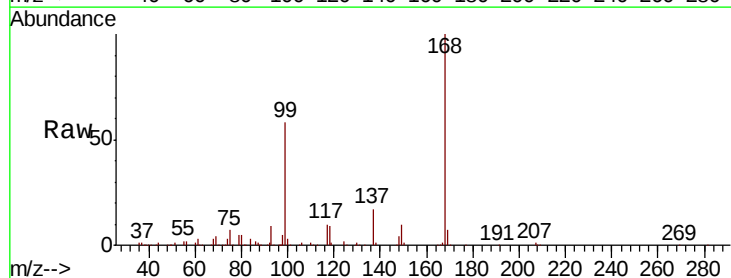
Tgt Ion: 117 Resp: 27763

Ion Ratio Lower Upper

117 100

119 5.7 80.3 120.5#

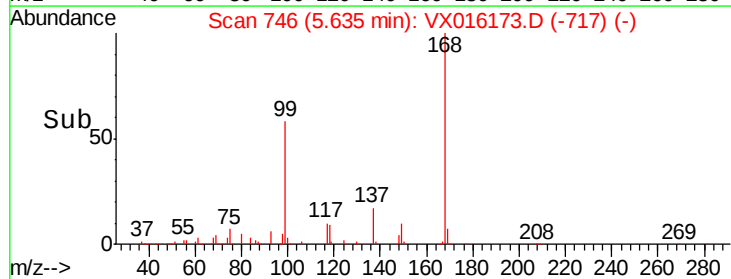
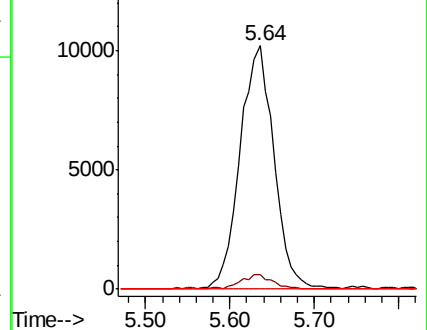
121 0.0 25.7 38.5#

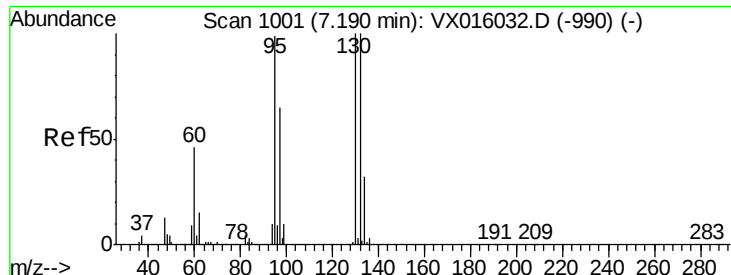


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 9.228 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

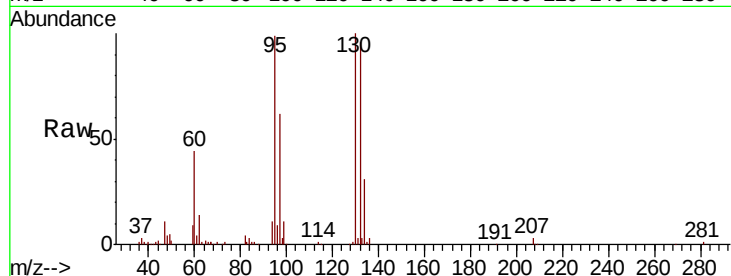
SS052MW272-200511

Tot Ion:130 Resp: 44899

Ion Ratio Lower Upper

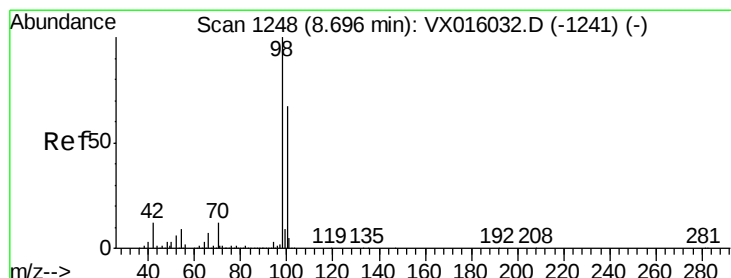
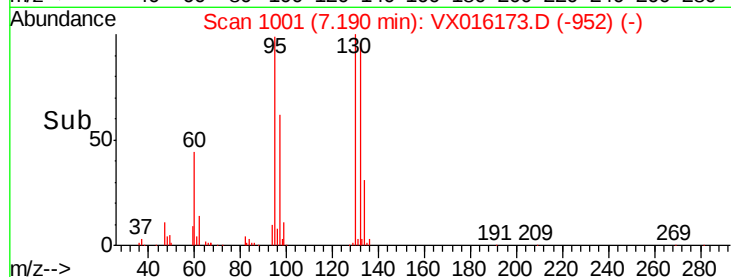
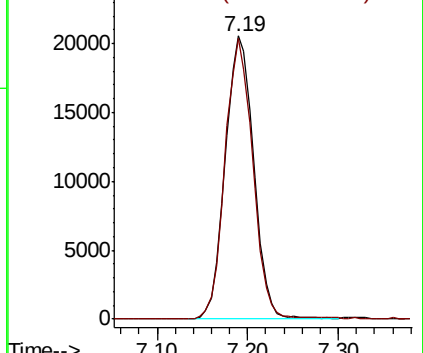
130 100

95 99.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.759 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016173.D

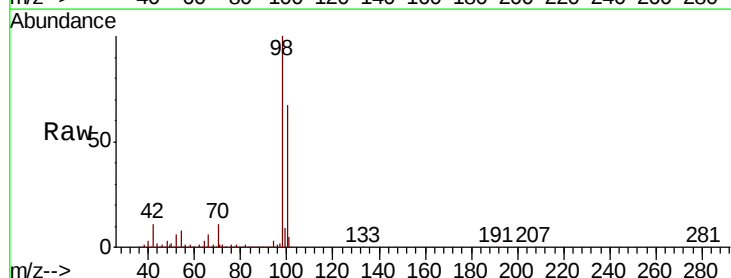
Acq: 13 May 2020 12:50

Tgt Ion: 98 Resp: 589187

Ion Ratio Lower Upper

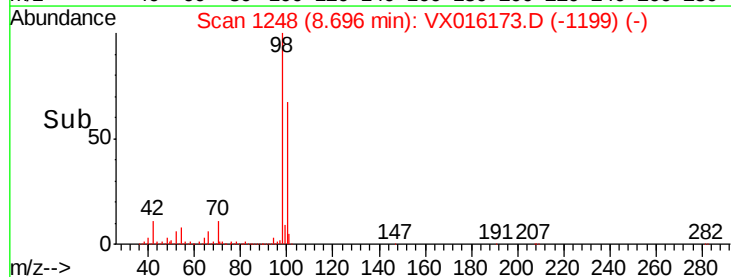
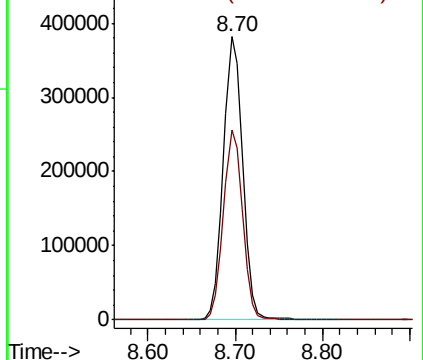
98 100

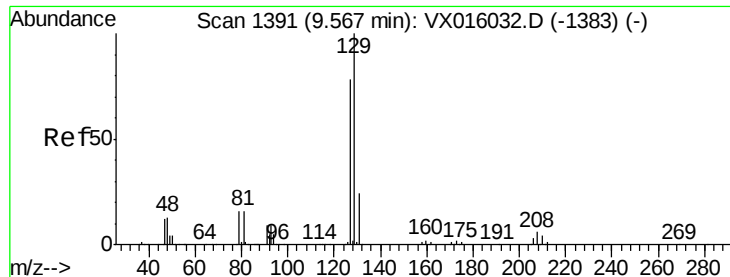
100 66.8 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 3.296 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

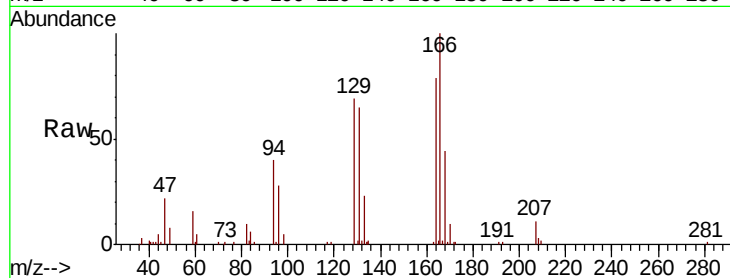
SS052MW272-200511

Tot Ion:129 Resp: 12192

Ion Ratio Lower Upper

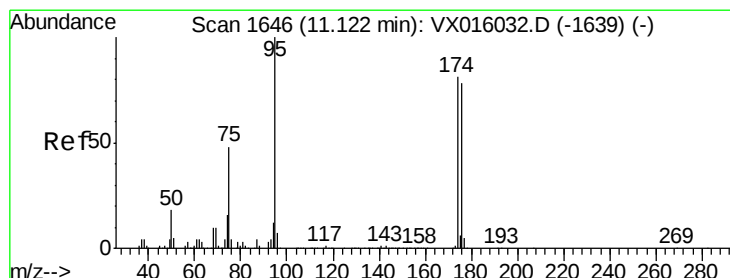
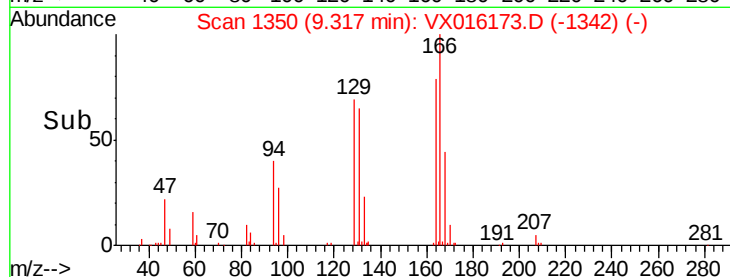
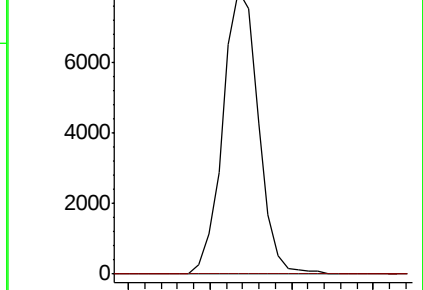
129 100

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



#62

4-Bromofluorobenzene

Concen: 53.124 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

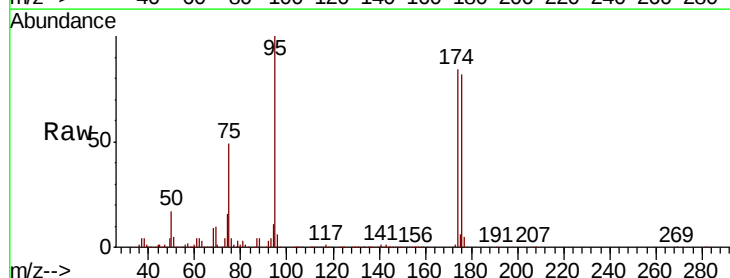
Tgt Ion: 95 Resp: 234543

Ion Ratio Lower Upper

95 100

174 83.4 0.0 159.4

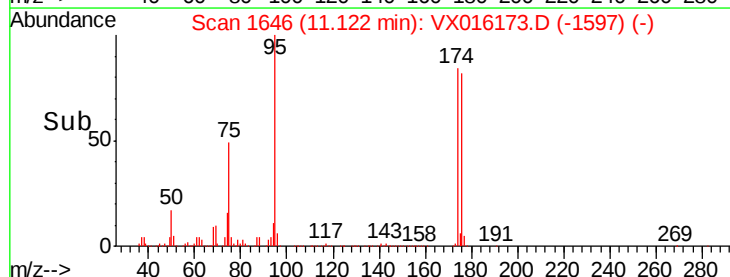
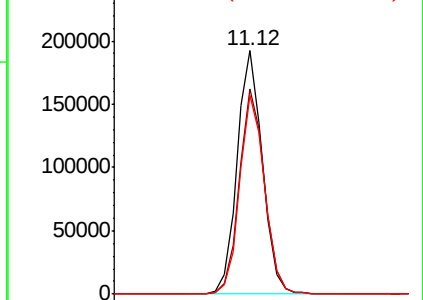
176 80.7 0.0 157.6

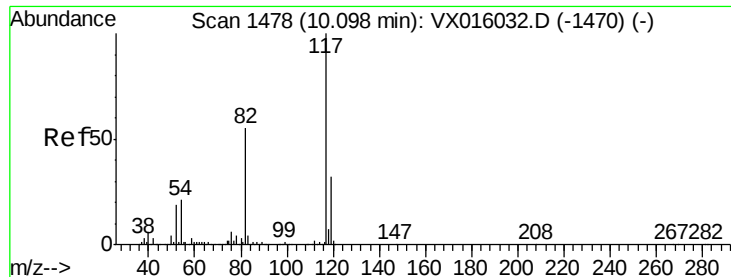


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

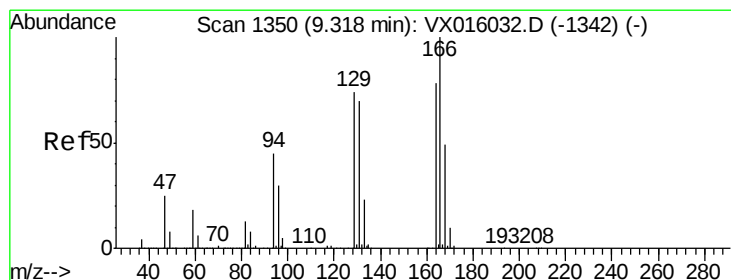
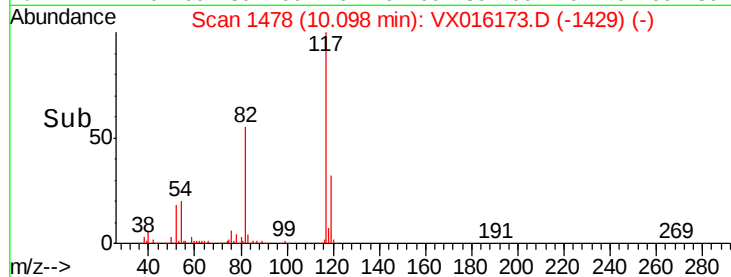
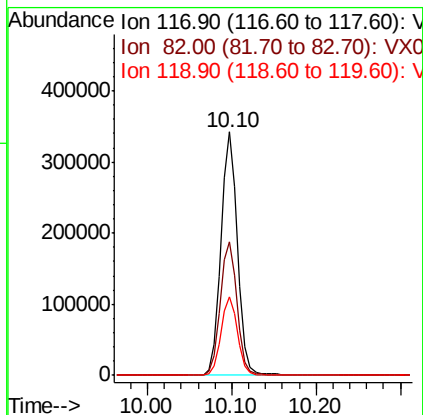
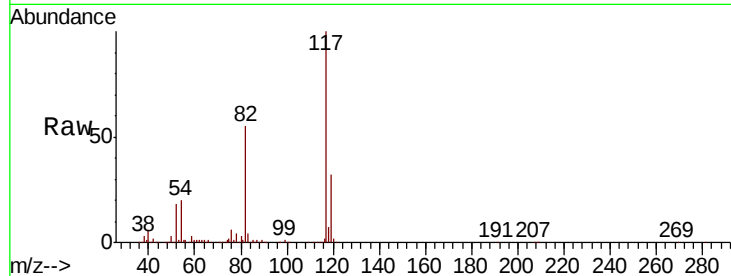




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016173.D
Acq: 13 May 2020 12:50

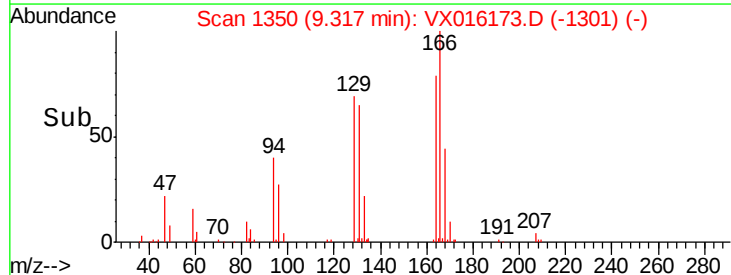
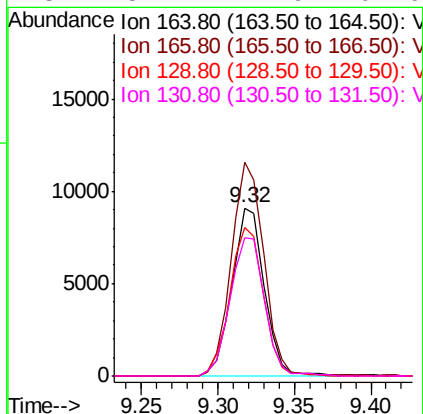
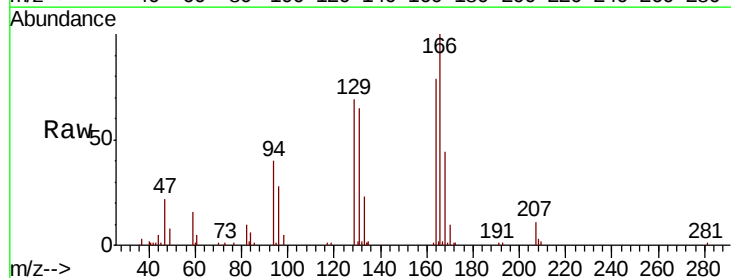
Instrument :
MSVOA_X
ClientSampleId :
SS052MW272-200511

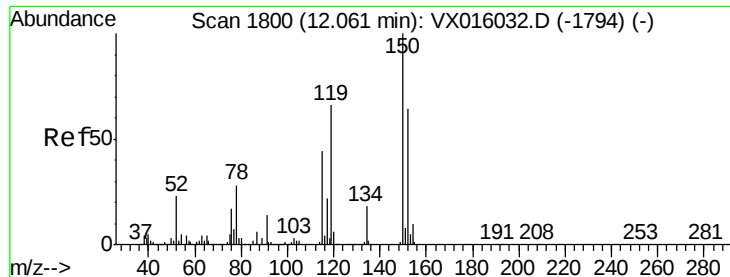
Tot Ion:117 Resp: 466218
Ion Ratio Lower Upper
117 100
82 54.8 44.4 66.6
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 2.324 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016173.D
Acq: 13 May 2020 12:50

Tgt Ion:164 Resp: 13303
Ion Ratio Lower Upper
164 100
166 127.0 102.9 154.3
129 88.2 76.1 114.1
131 82.4 71.9 107.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

SS052MW272-200511

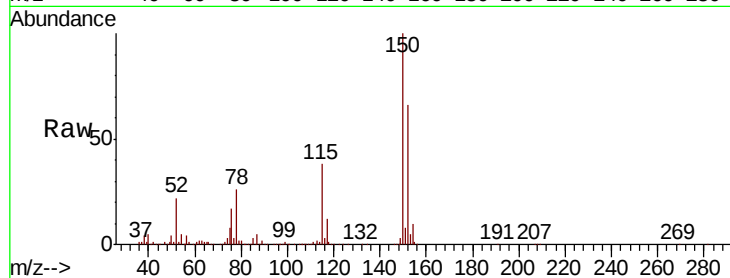
Tot Ion:152 Resp: 243447

Ion Ratio Lower Upper

152 100

115 57.3 41.3 124.1

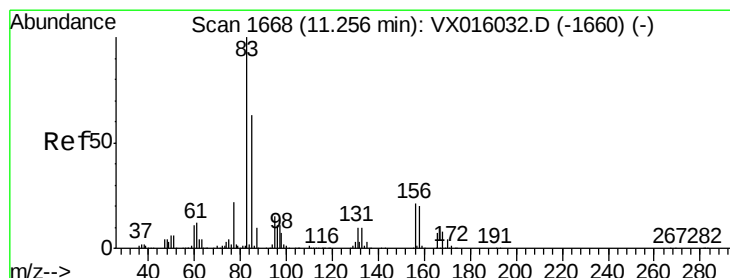
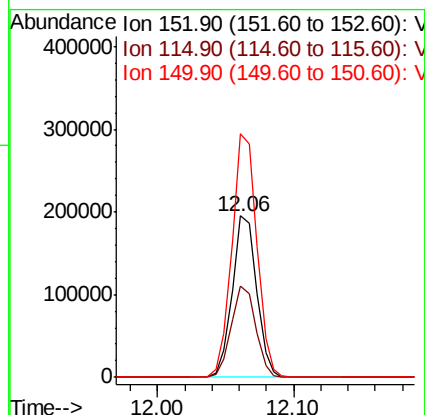
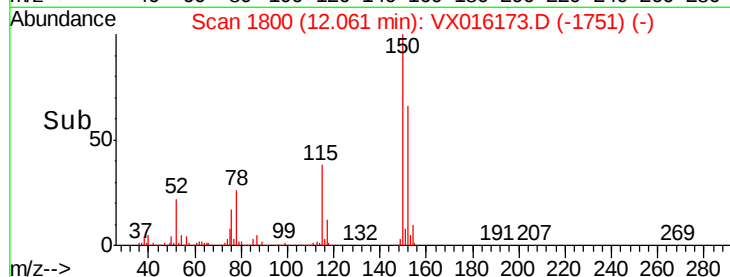
150 154.1 0.0 352.2



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: 2.101 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

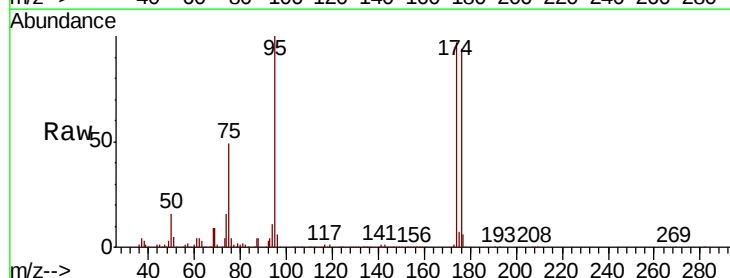
Tgt Ion: 83 Resp: 173

Ion Ratio Lower Upper

83 100

131 176.9 5.1 15.4#

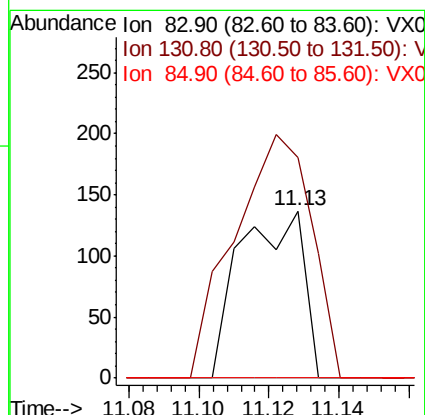
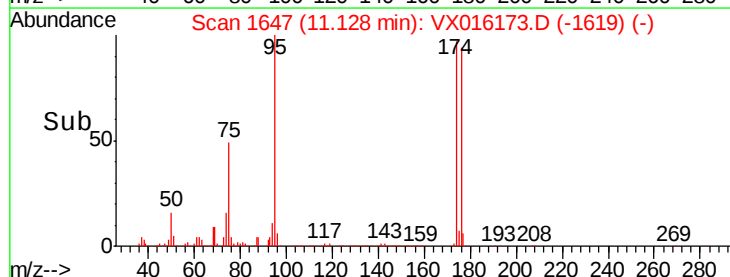
85 0.0 32.0 96.0#

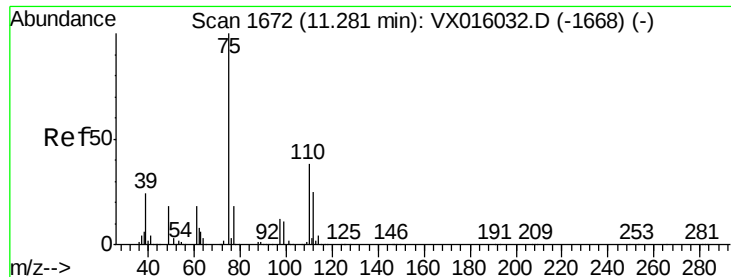


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.034 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

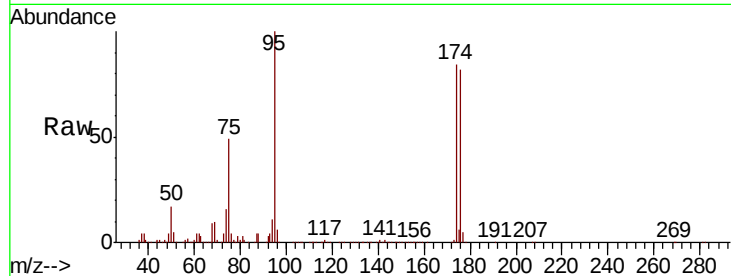
SS052MW272-200511

Tot Ion: 75 Resp: 116201

Ion Ratio Lower Upper

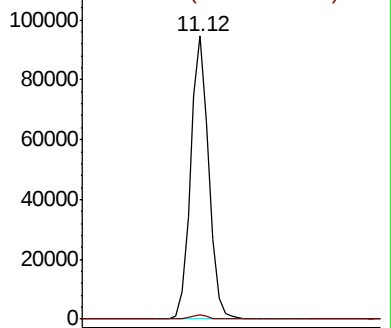
75 100

77 1.5 21.2 63.6#

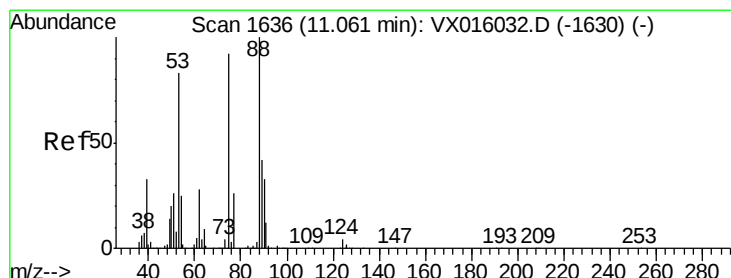
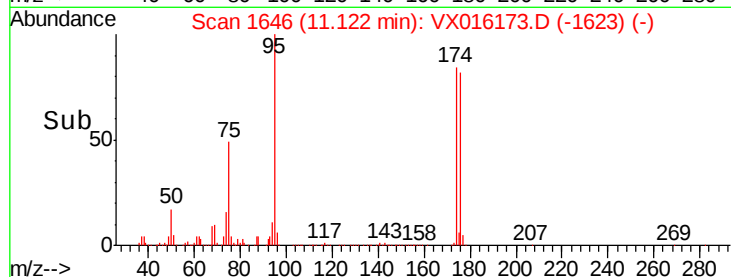


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 50.126 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

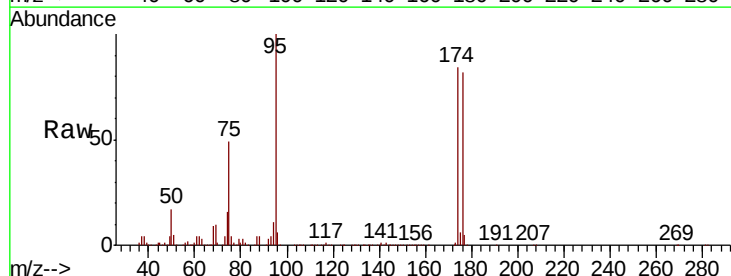
Tgt Ion: 75 Resp: 116201

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

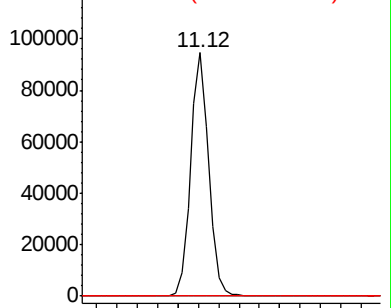
89 0.0 36.7 55.1#



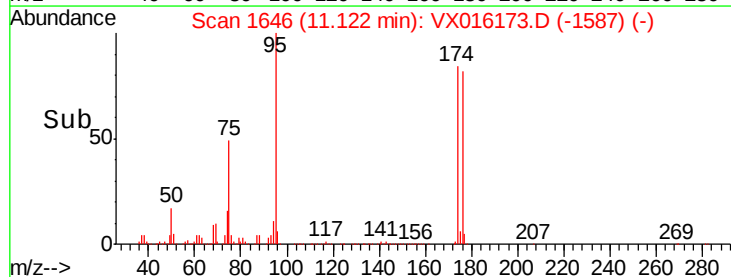
Abundance Ion 74.90 (74.60 to 75.60): VX0

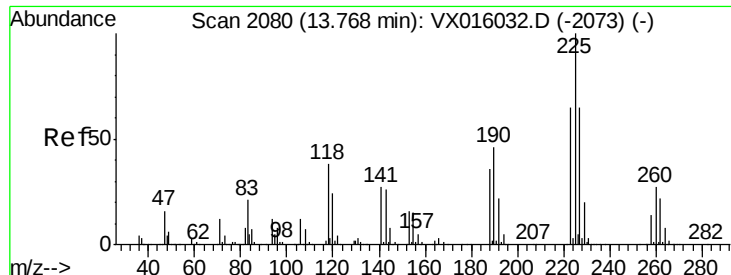
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time--> 11.10 11.20





#94

Hexachlorobutadiene

Concen: 0.533 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

SS052MW272-200511

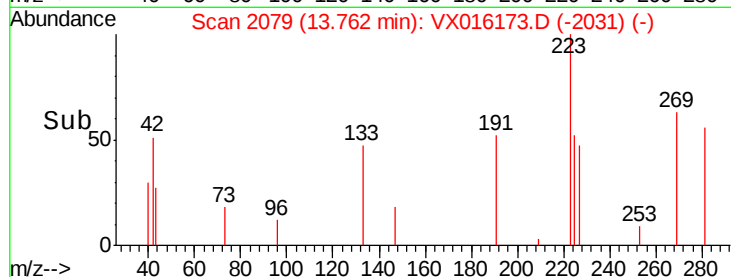
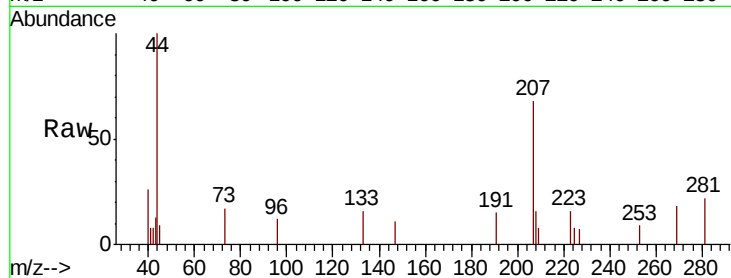
Tot Ion:225 Resp: 25

Ion Ratio Lower Upper

225 100

223 452.0 32.3 96.9#

227 180.0 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

