

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016189.D
 Acq On : 13 May 2020 18:52
 Operator : JC/SP
 Sample : L2626-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW726-200512

Quant Time: May 14 04:33:21 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	5.64	168	265184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	441997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	436494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228159	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	165266	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
35) Dibromofluoromethane	5.47	113	130951	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	8.70	98	551607	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.12	95	221322	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	

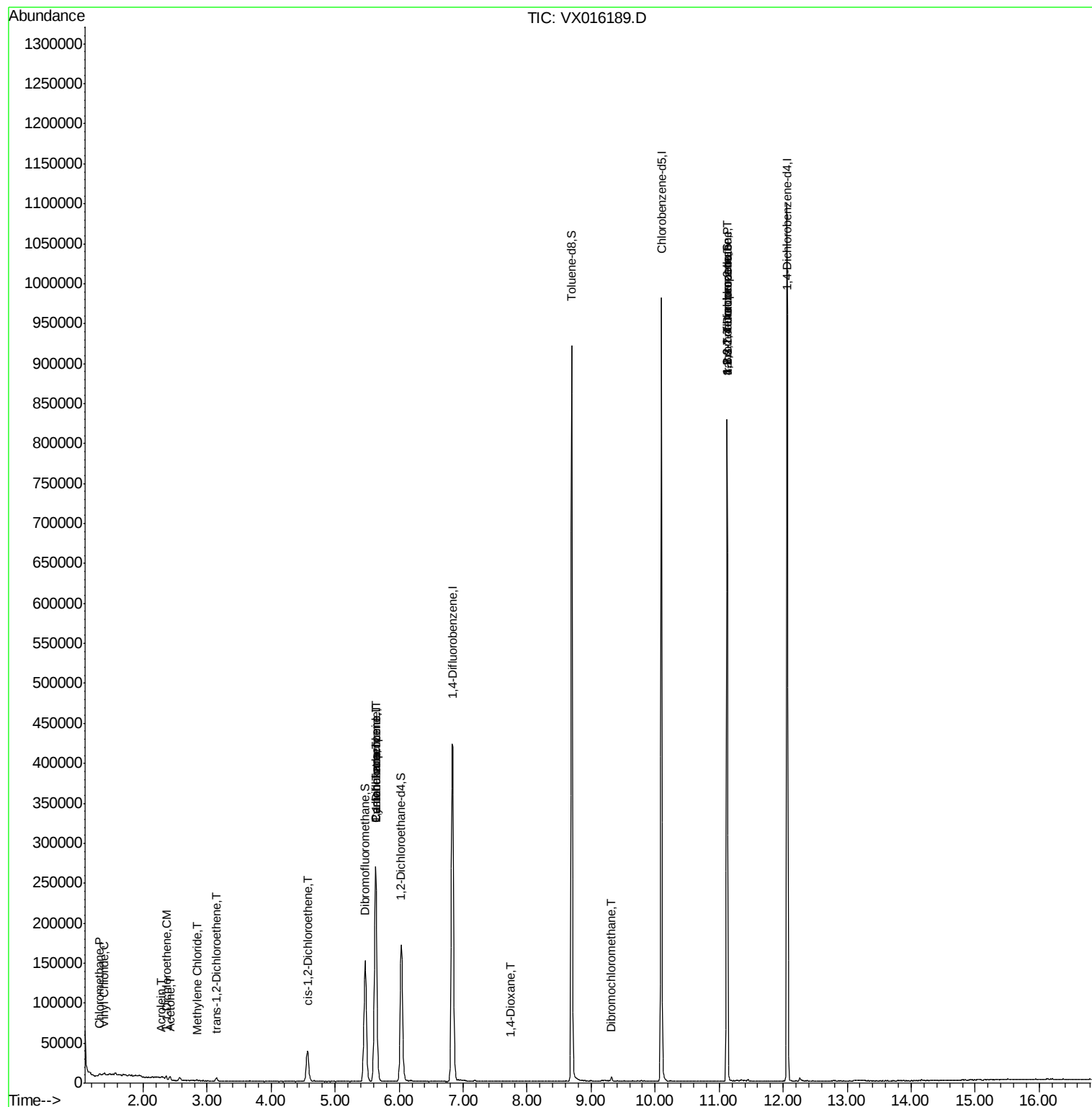
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1322	0.406	ug/l	93
4) Vinyl Chloride	1.39	62	1185	0.341	ug/l	96
12) 1,1-Dichloroethene	2.36	96	1986	0.720	ug/l #	88
13) Acrolein	2.28	56	383	0.694	ug/l #	56
16) Acetone	2.42	43	5270	3.385	ug/l	92
20) Methylene Chloride	2.84	84	649	0.202	ug/l #	70
21) trans-1,2-Dichloroethene	3.15	96	2050	0.667	ug/l #	78
27) cis-1,2-Dichloroethene	4.57	96	25455	7.580	ug/l	85
31) Cyclohexane	5.64	56	5006	1.033	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19063	4.381	ug/l #	49
38) Carbon Tetrachloride	5.64	117	25267	5.714	ug/l #	14
49) 1,4-Dioxane	7.73	88	48	0.525	ug/l #	1
60) Dibromochloromethane	9.32	129	867	0.252	ug/l #	11
75) 1,1,2,2-Tetrachloroethane	11.12	83	145	2.096	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	107048	20.676	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	107048	49.272	ug/l #	13

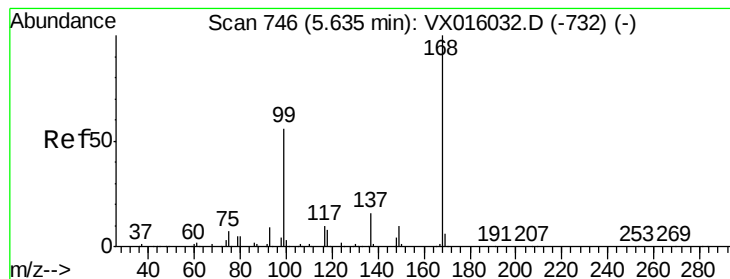
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

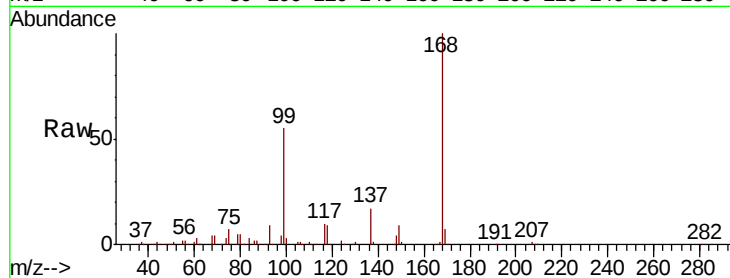
SS052MW726-200512

Tot Ion:168 Resp: 265184

Ion Ratio Lower Upper

168 100

99 55.1 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

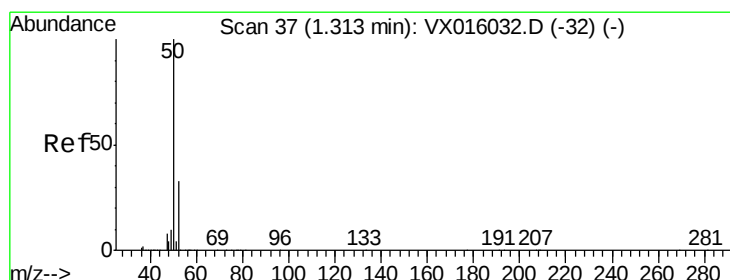
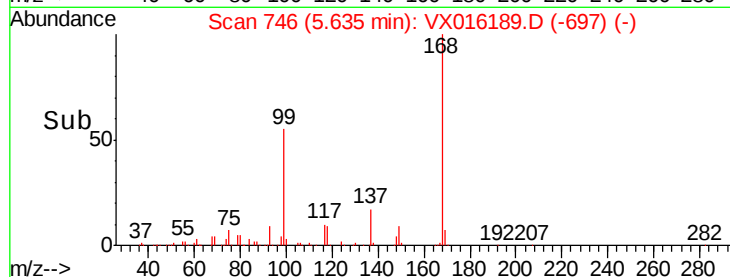
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.406 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016189.D

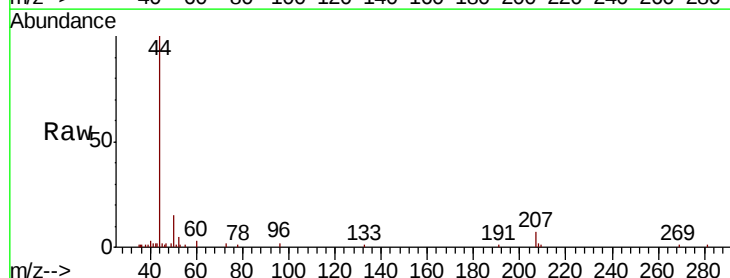
Acq: 13 May 2020 18:52

Tgt Ion: 50 Resp: 1322

Ion Ratio Lower Upper

50 100

52 36.5 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

1200

1000

800

600

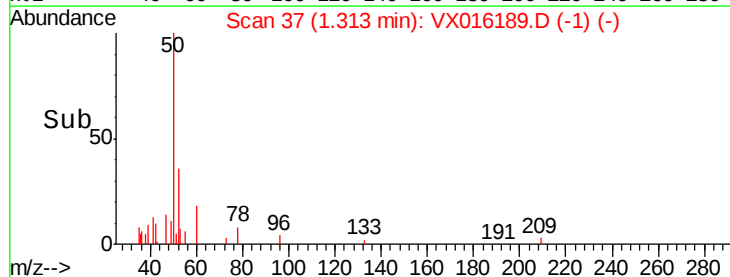
400

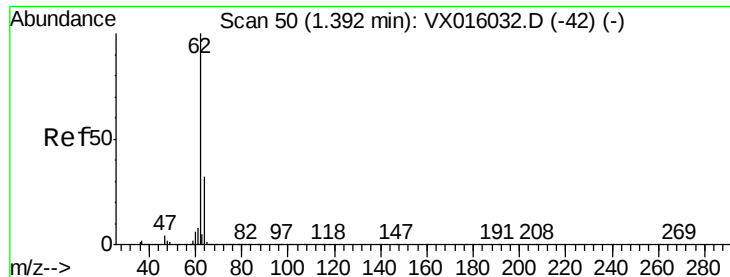
200

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.341 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

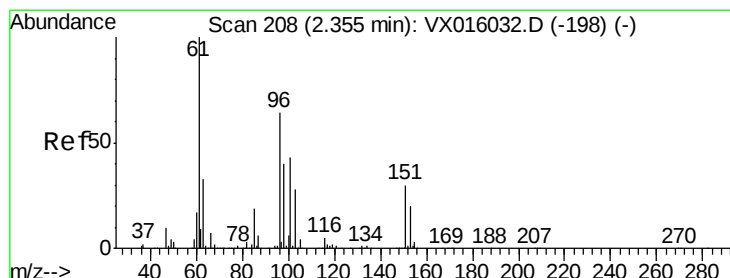
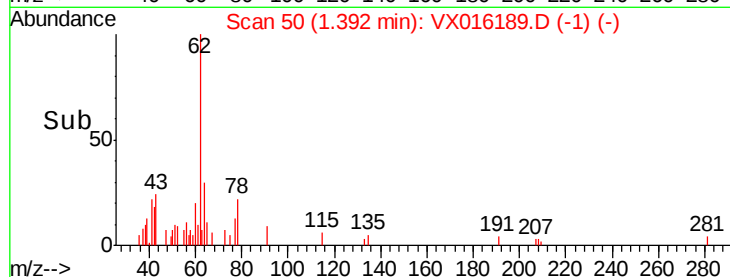
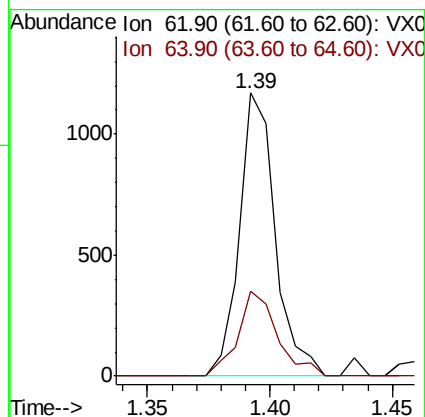
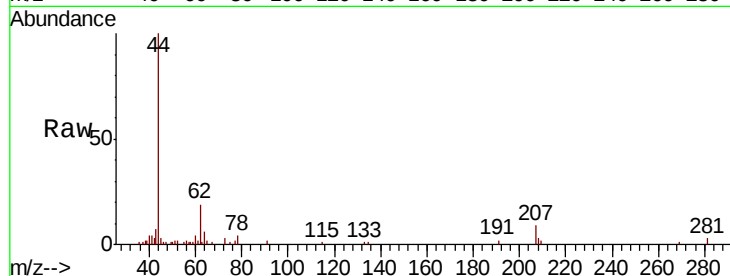
SS052MW726-200512

Tot Ion: 62 Resp: 1185

Ion Ratio Lower Upper

62 100

64 30.0 25.7 38.5



#12

1,1-Dichloroethene

Concen: 0.720 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

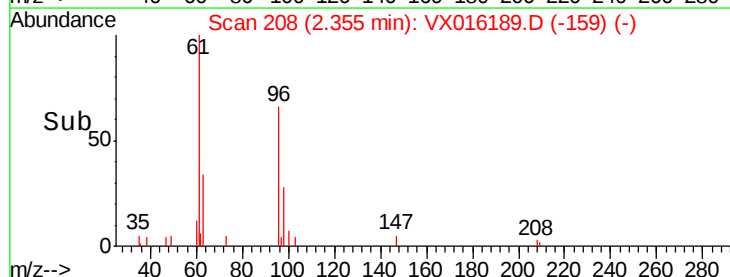
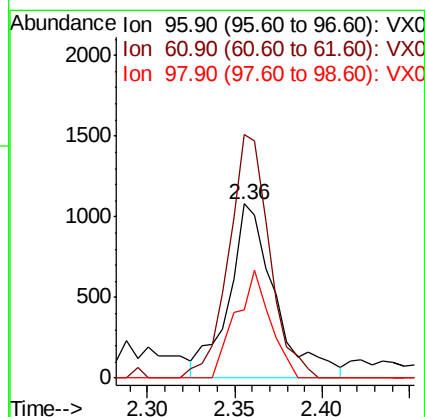
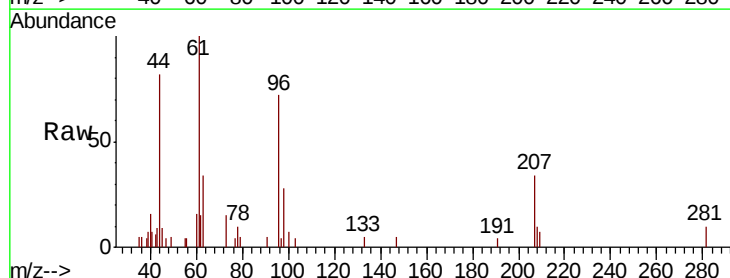
Tgt Ion: 96 Resp: 1986

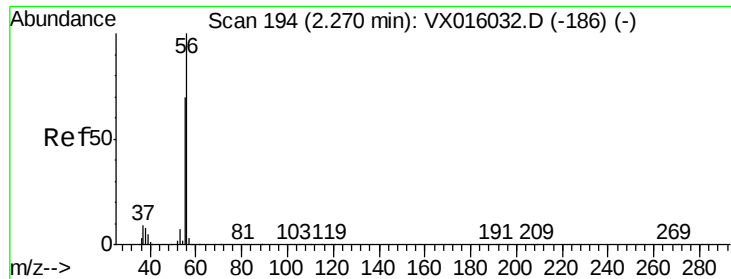
Ion Ratio Lower Upper

96 100

61 148.5 124.8 187.2

98 41.9 49.7 74.5#





#13

Acrolein

Concen: 0.694 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

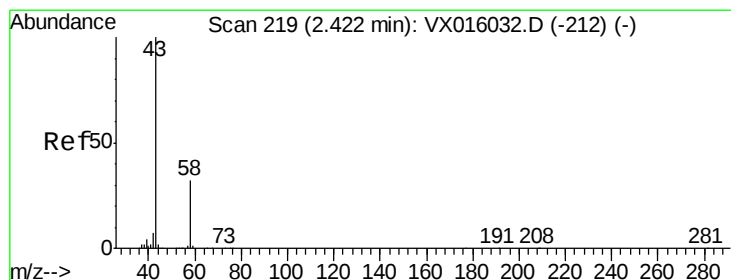
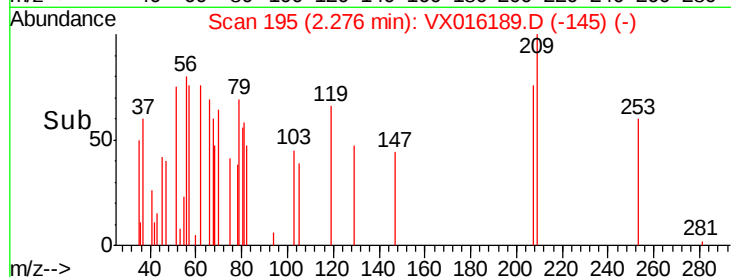
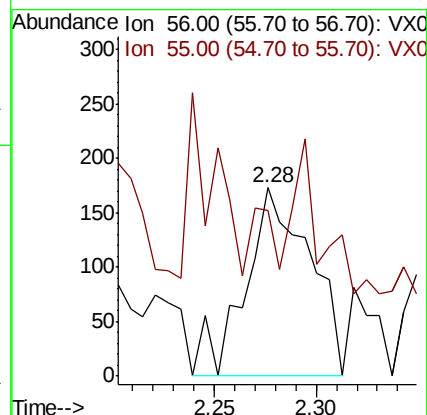
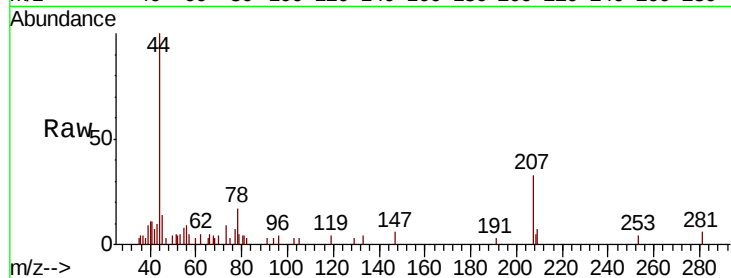
SS052MW726-200512

Tot Ion: 56 Resp: 383

Ion Ratio Lower Upper

56 100

55 34.7 56.5 84.7#



#16

Acetone

Concen: 3.385 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016189.D

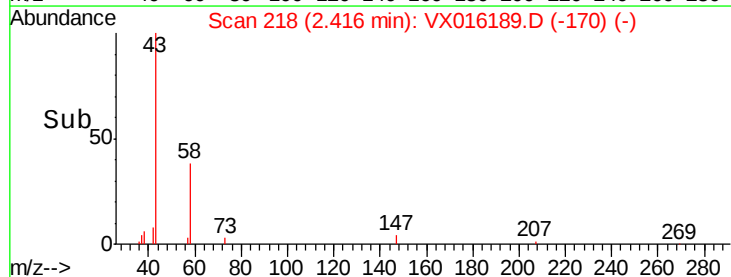
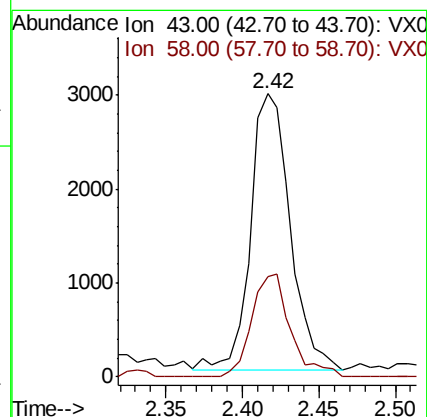
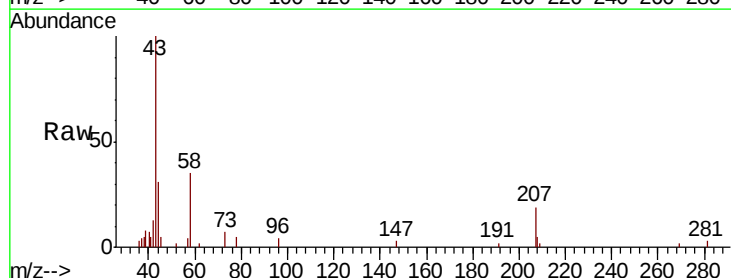
Acq: 13 May 2020 18:52

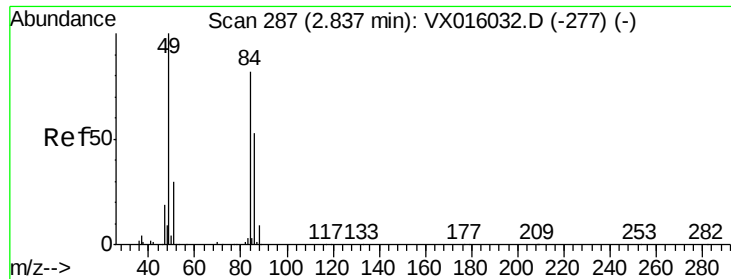
Tgt Ion: 43 Resp: 5270

Ion Ratio Lower Upper

43 100

58 36.2 25.4 38.0

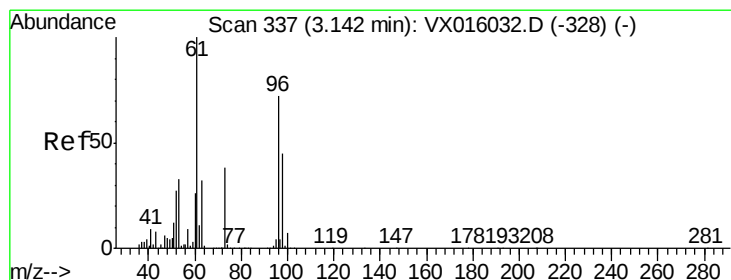
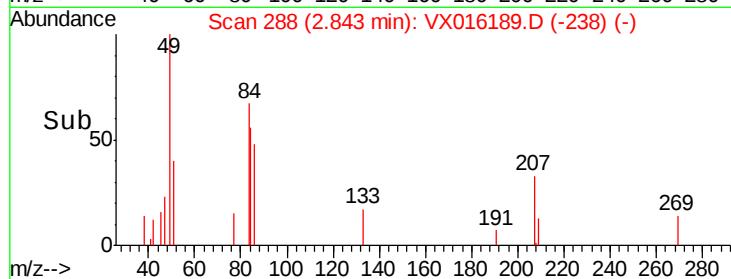
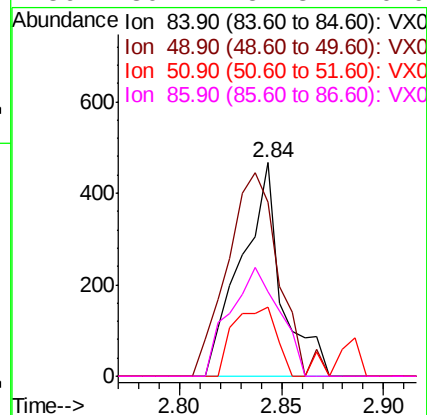
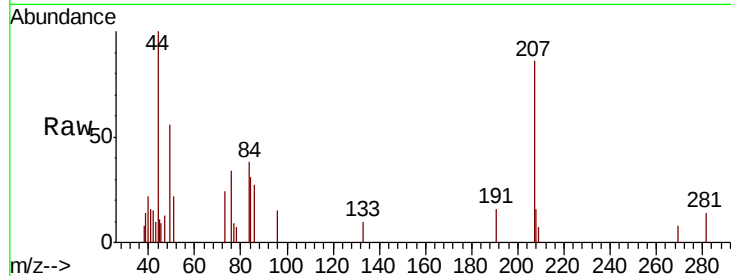




#20
Methvlene Chloride
Concen: 0.202 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016189.D
Acq: 13 May 2020 18:52

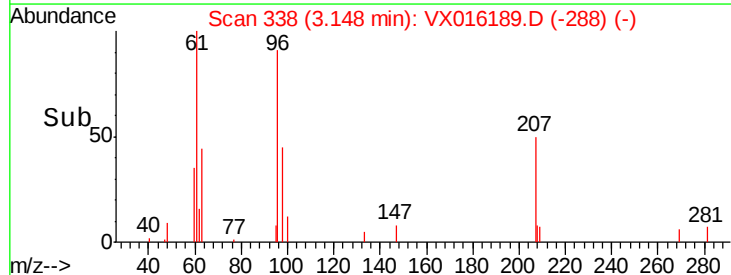
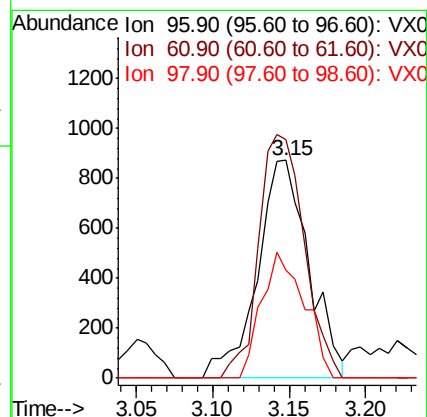
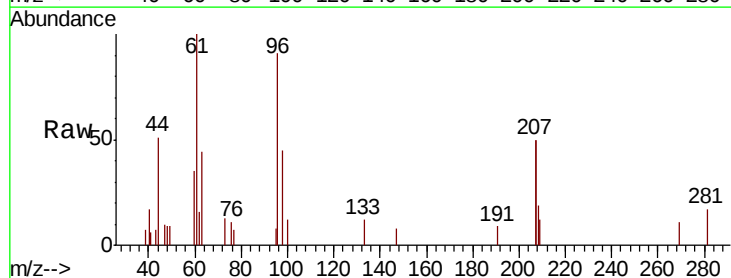
Instrument :
MSVOA_X
ClientSampleId :
SS052MW726-200512

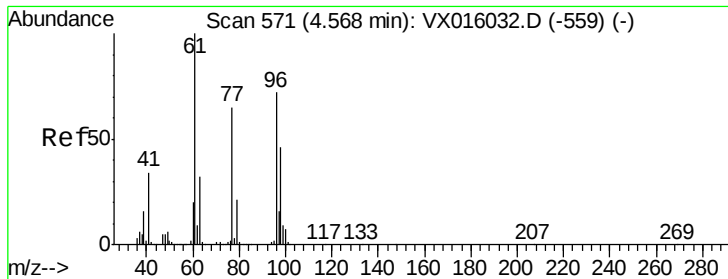
Tot Ion: 84 Resp: 649
Ion Ratio Lower Upper
84 100
49 81.4 97.3 145.9#
51 32.3 29.3 43.9
86 39.4 51.3 76.9#



#21
trans-1,2-Dichloroethene
Concen: 0.667 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016189.D
Acq: 13 May 2020 18:52

Tgt Ion: 96 Resp: 2050
Ion Ratio Lower Upper
96 100
61 109.9 111.2 166.8#
98 49.4 50.2 75.4#



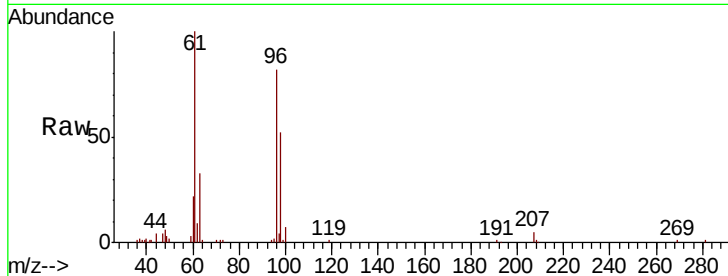


#27

cis-1,2-Dichloroethene
 Concen: 7.580 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016189.D
 Acq: 13 May 2020 18:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW726-200512

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.6	0.0	296.2
98	62.0	0.0	129.4

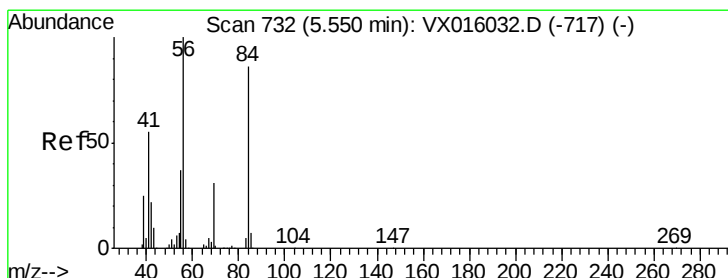
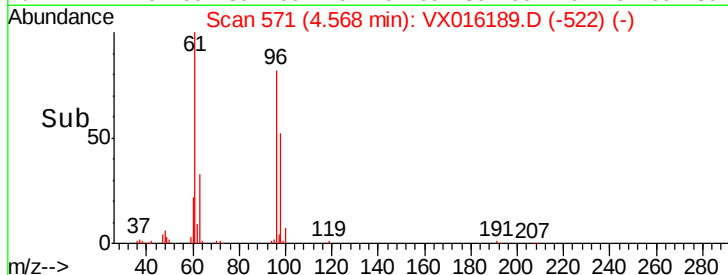
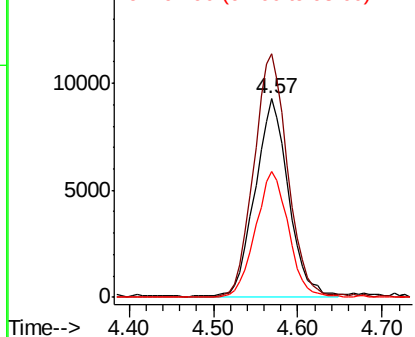


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

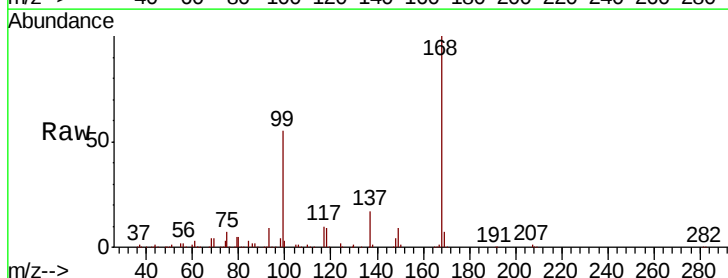
Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane
 Concen: 1.033 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.09 min
 Lab File: VX016189.D
 Acq: 13 May 2020 18:52

Tgt Ion	Ratio	Lower	Upper
56	100		
69	197.9	25.0	37.6#
84	150.6	69.0	103.6#

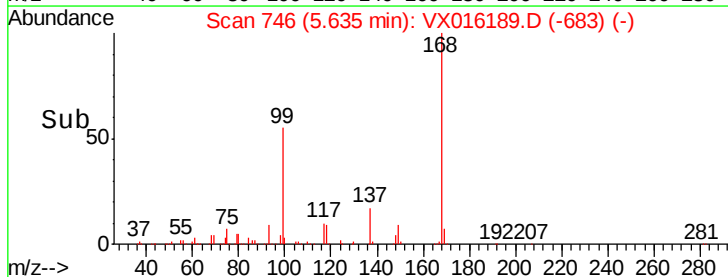
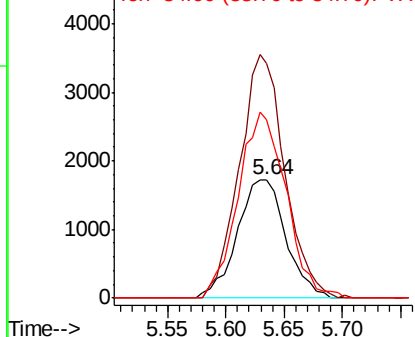


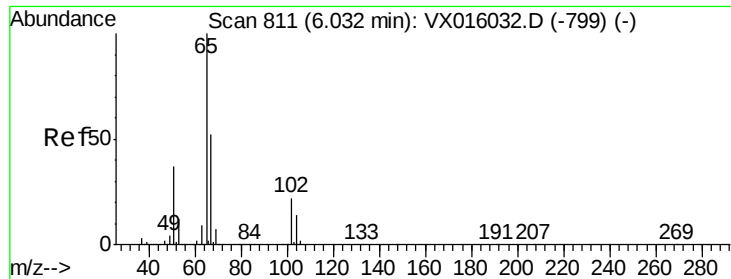
Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.360 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

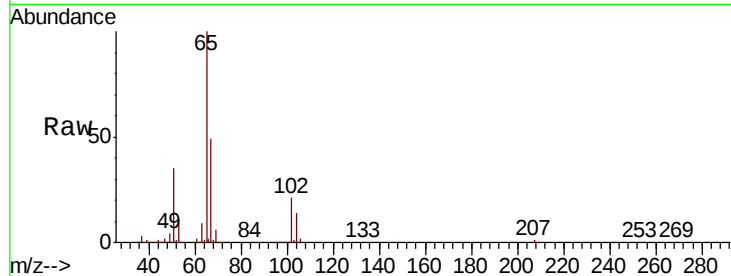
SS052MW726-200512

Tot Ion: 65 Resp: 165266

Ion Ratio Lower Upper

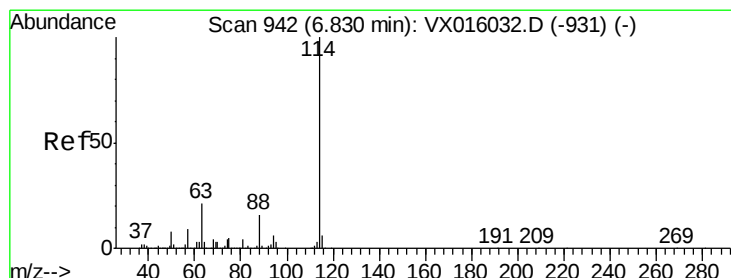
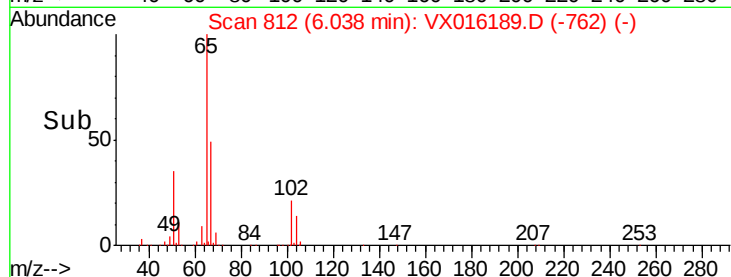
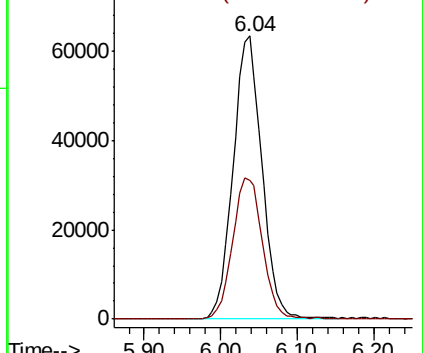
65 100

67 51.7 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

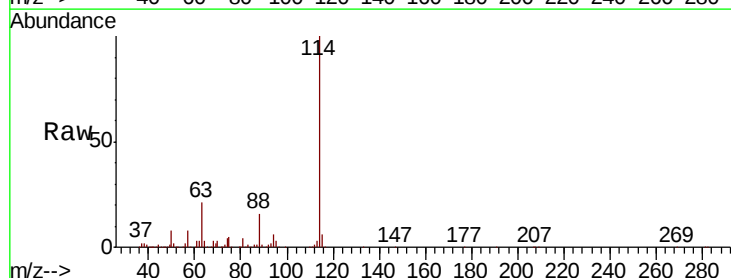
Tgt Ion: 114 Resp: 441997

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

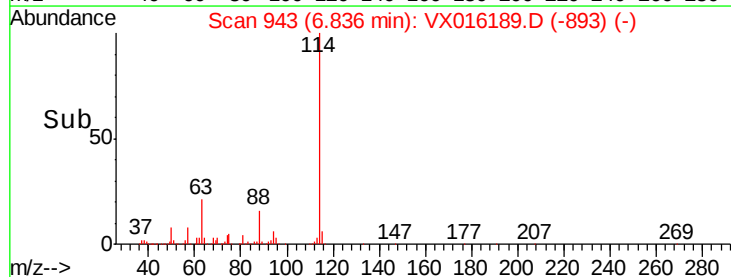
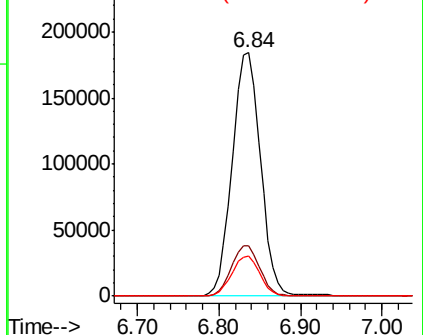
88 16.4 0.0 31.4

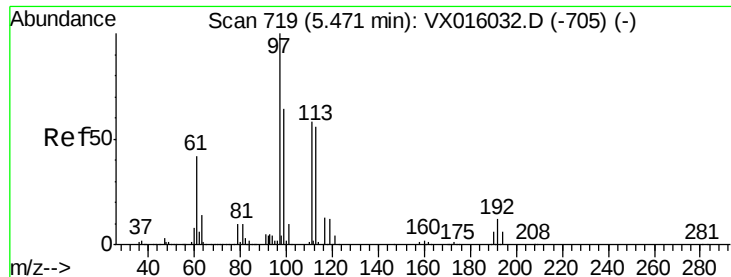


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

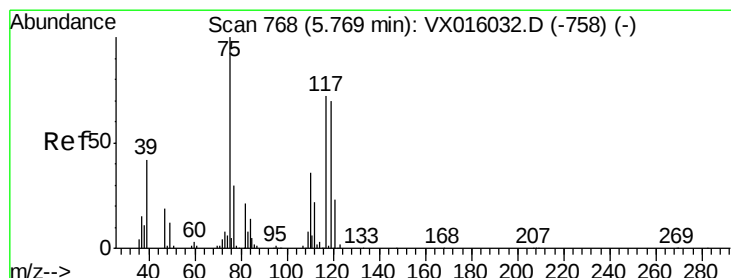
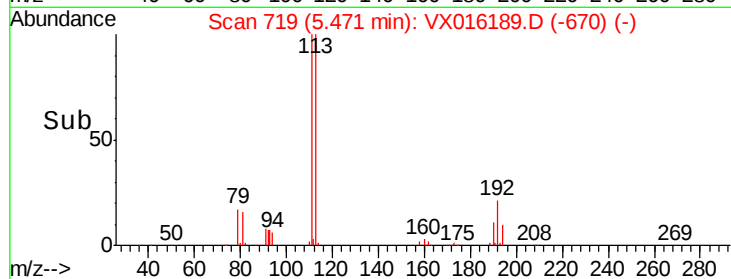
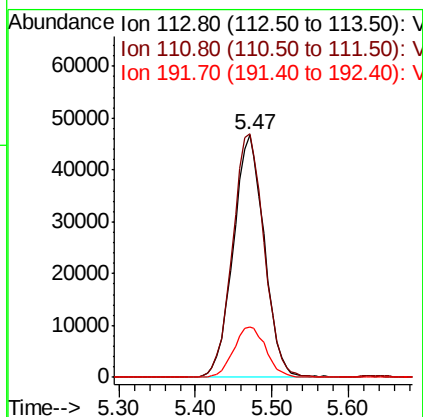
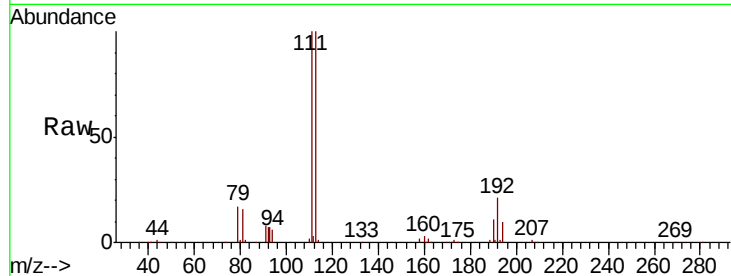




#35
 Dibromofluoromethane
 Concen: 46.764 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016189.D
 Acq: 13 May 2020 18:52

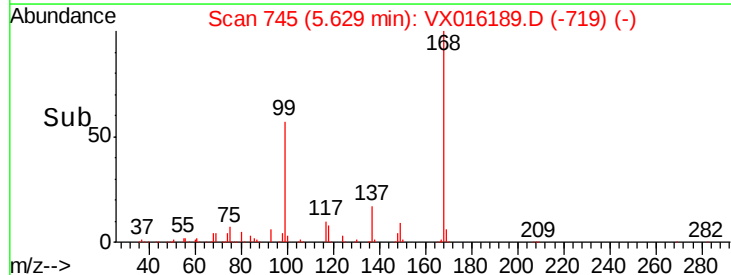
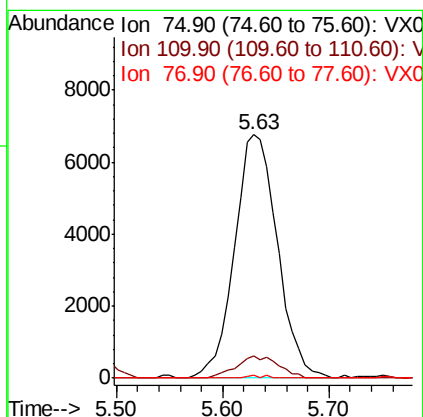
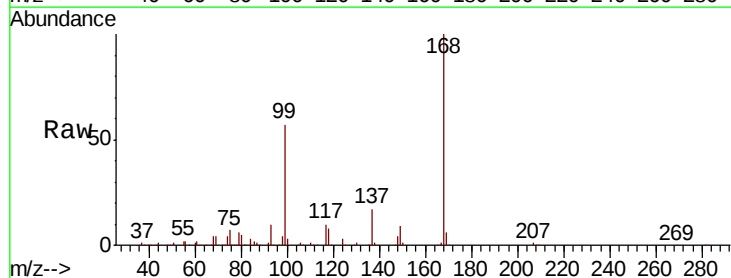
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW726-200512

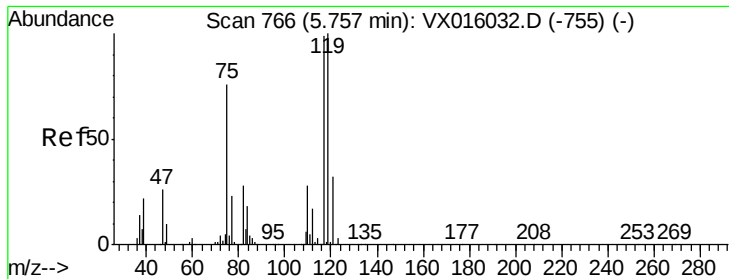
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	21.7	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.381 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016189.D
 Acq: 13 May 2020 18:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.4	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.714 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS052MW726-200512

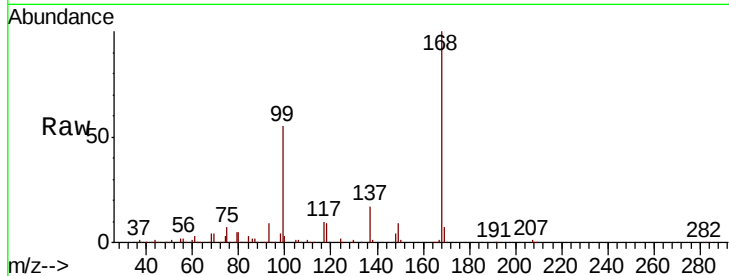
Tot Ion:117 Resp: 25267

Ion Ratio Lower Upper

117 100

119 4.9 80.3 120.5#

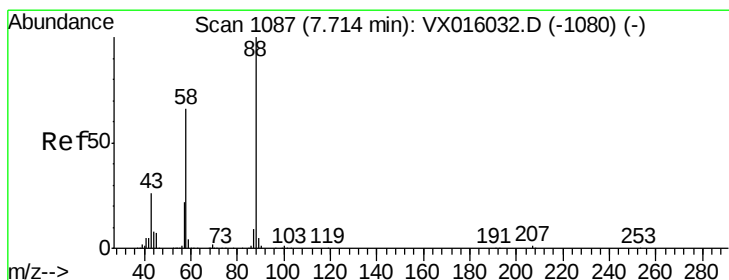
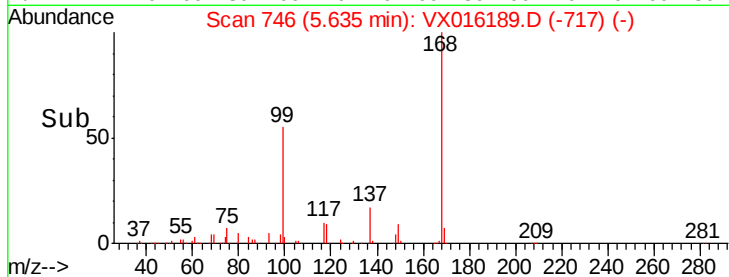
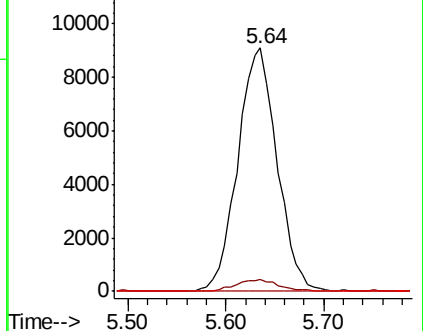
121 0.0 25.7 38.5#



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



#49

1,4-Dioxane

Concen: 0.525 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

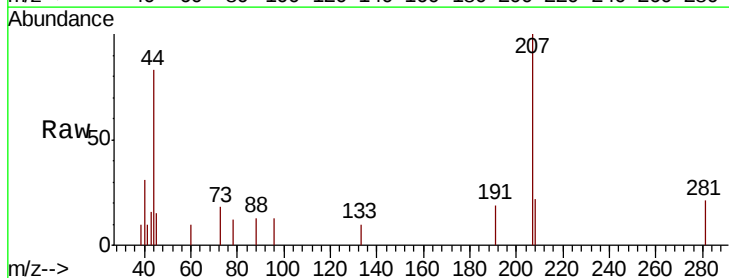
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 216.7 25.3 37.9#

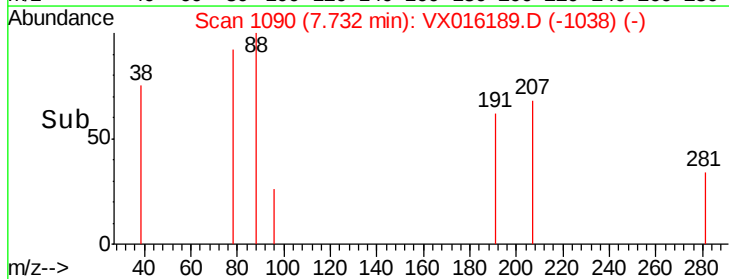
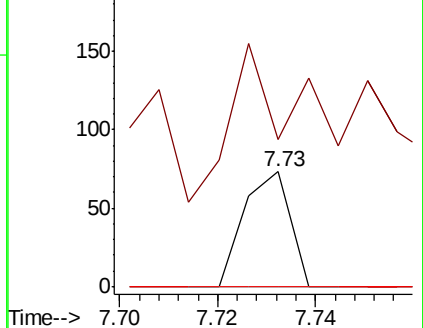
58 0.0 55.9 83.9#

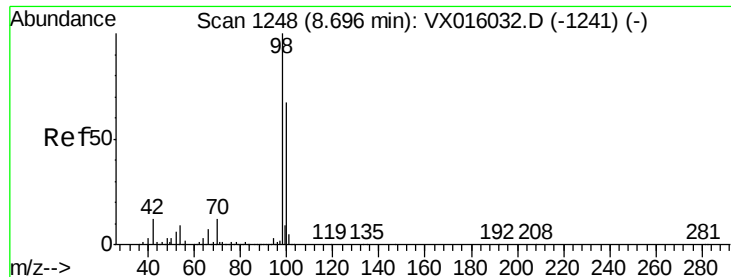


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.124 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

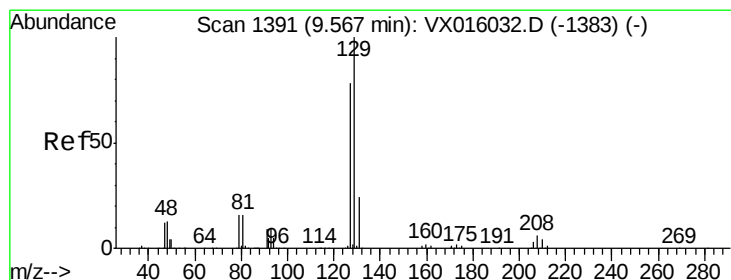
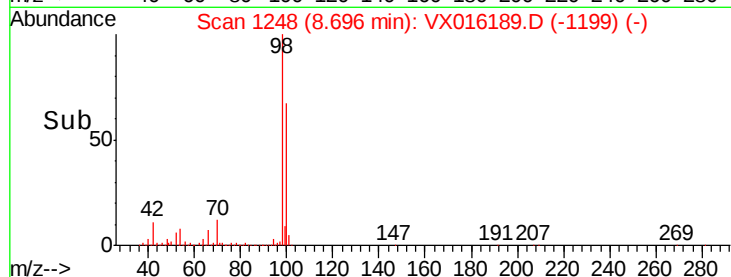
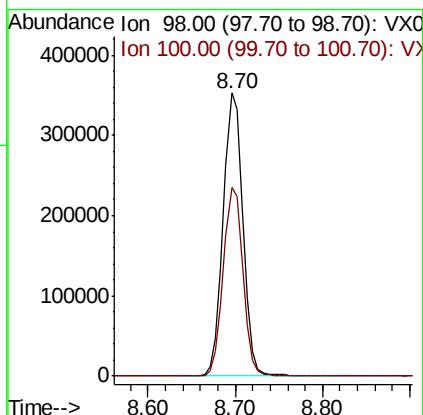
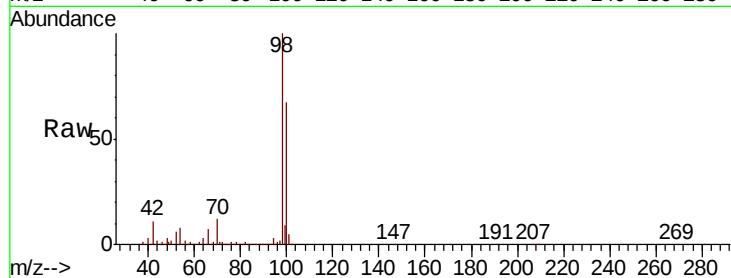
SS052MW726-200512

Tot Ion: 98 Resp: 551607

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5



#60

Dibromochloromethane

Concen: 0.252 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016189.D

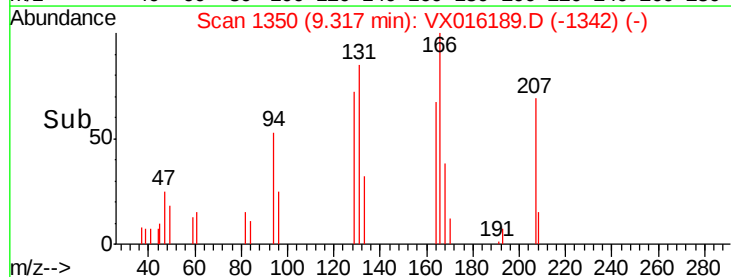
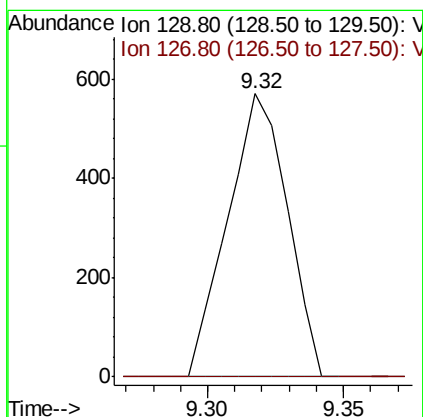
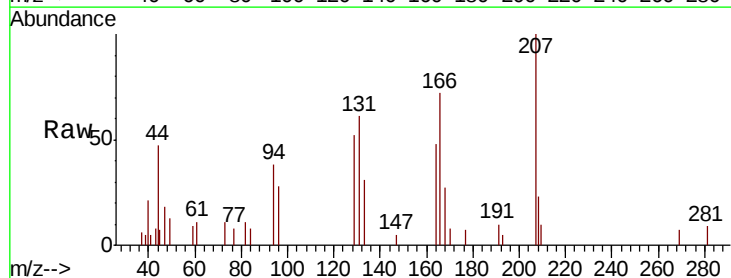
Acq: 13 May 2020 18:52

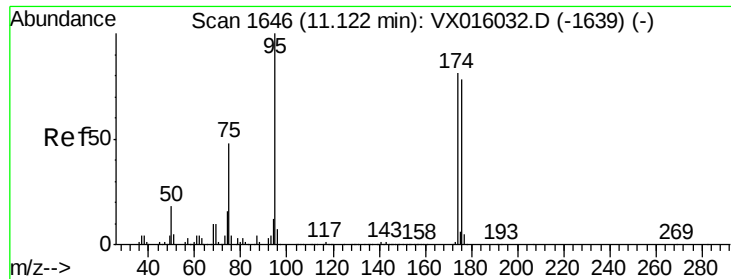
Tgt Ion: 129 Resp: 867

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 53.931 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS052MW726-200512

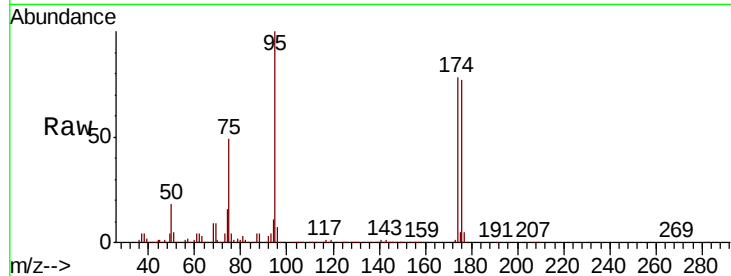
Tot Ion: 95 Resp: 221322

Ion Ratio Lower Upper

95 100

174 81.9 0.0 159.4

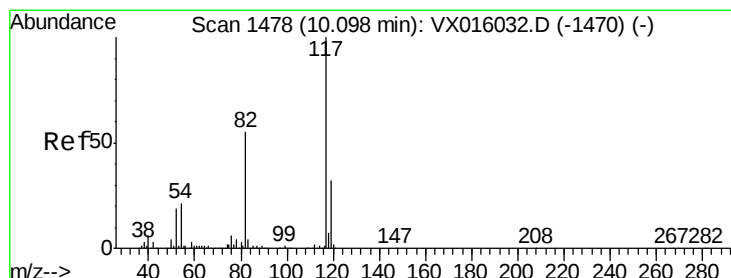
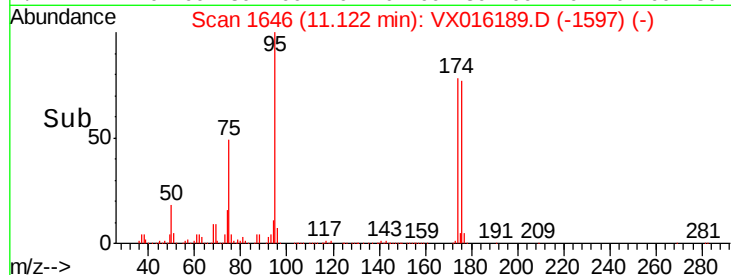
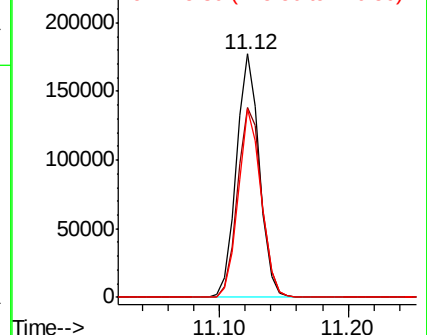
176 77.1 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016189.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016189.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016189.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

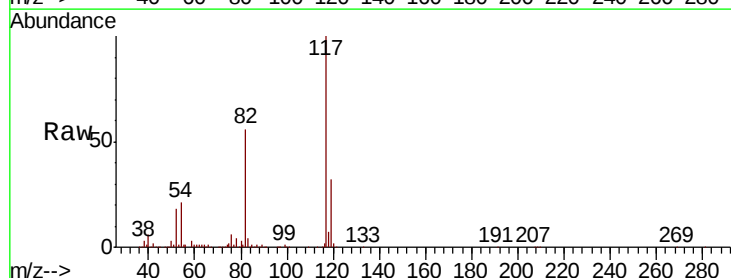
Tgt Ion: 117 Resp: 436494

Ion Ratio Lower Upper

117 100

82 55.6 44.4 66.6

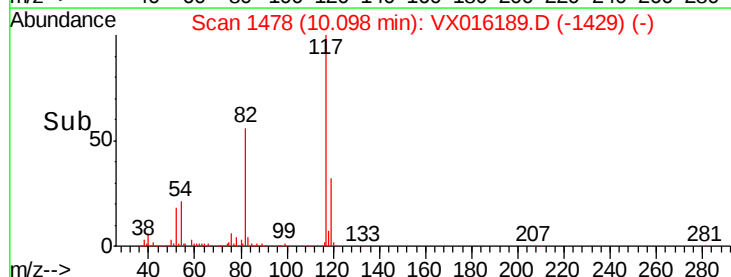
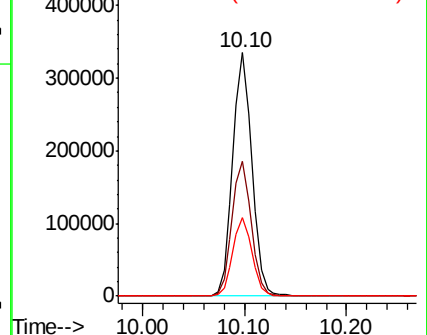
119 32.1 25.5 38.3

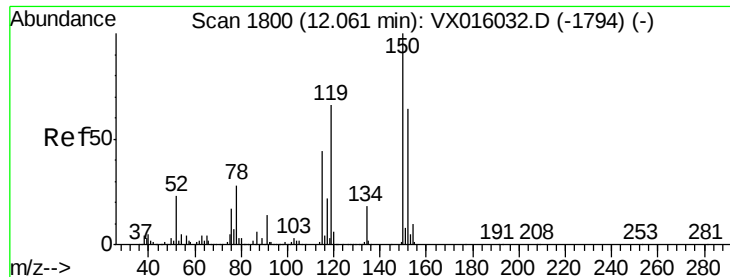


Abundance Ion 116.90 (116.60 to 117.60): VX016189.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016189.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016189.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

SS052MW726-200512

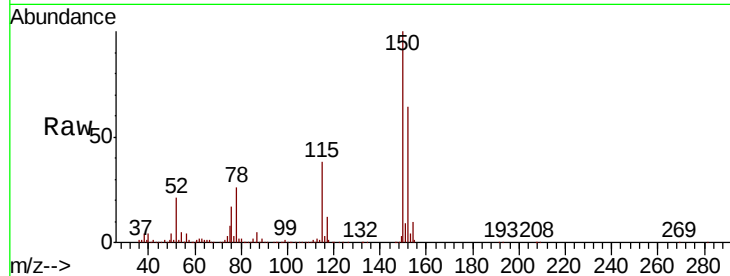
Tot Ion:152 Resp: 228159

Ion Ratio Lower Upper

152 100

115 58.2 41.3 124.1

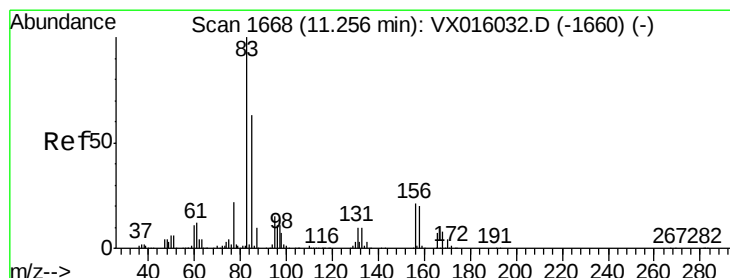
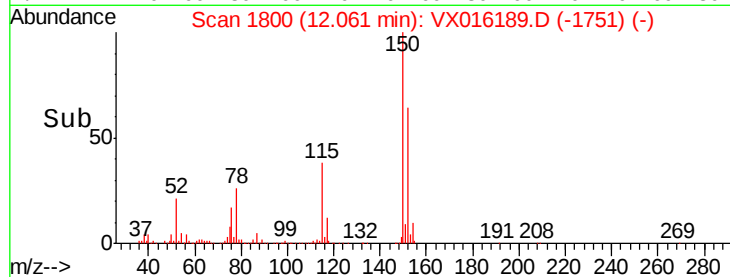
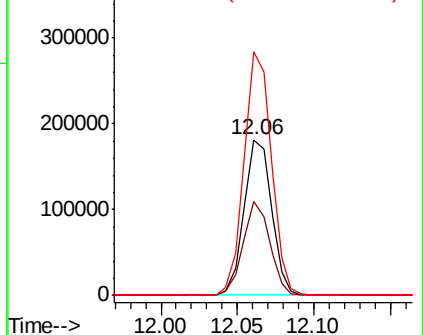
150 155.0 0.0 352.2



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: 2.096 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

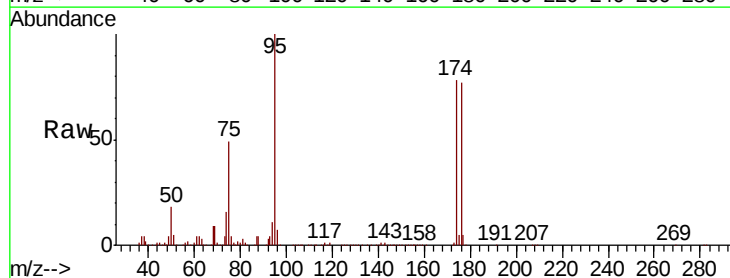
Tgt Ion: 83 Resp: 145

Ion Ratio Lower Upper

83 100

131 231.0 5.1 15.4#

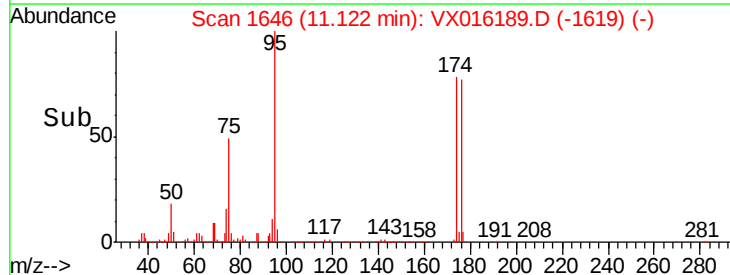
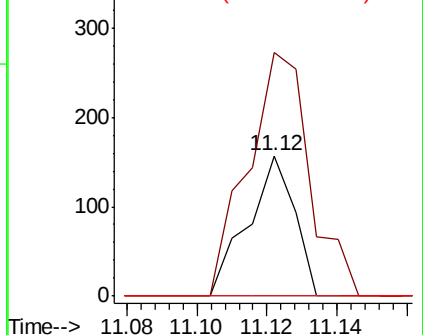
85 0.0 32.0 96.0#

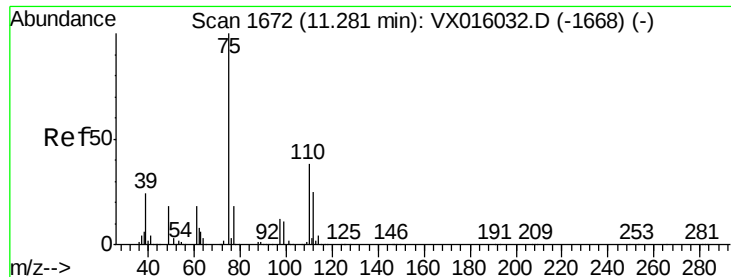


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.676 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

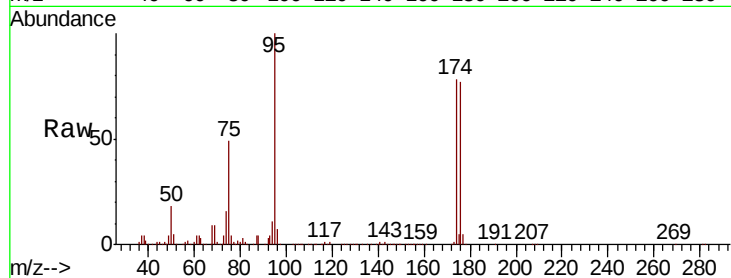
SS052MW726-200512

Tot Ion: 75 Resp: 107048

Ion Ratio Lower Upper

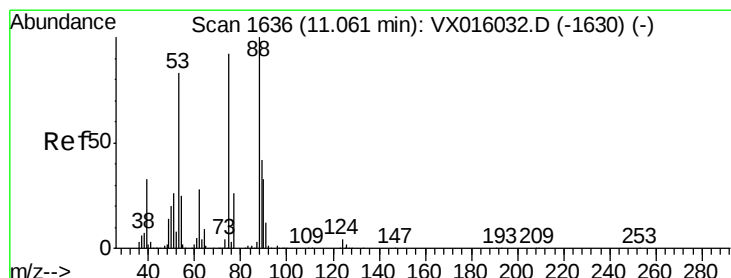
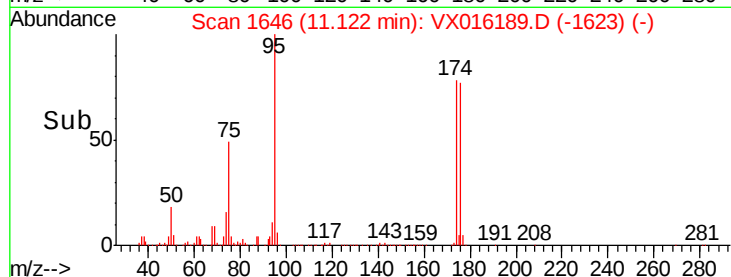
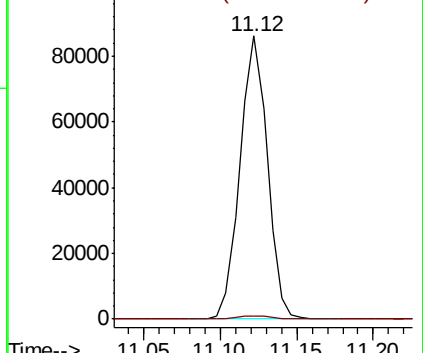
75 100

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: 49.272 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016189.D

Acq: 13 May 2020 18:52

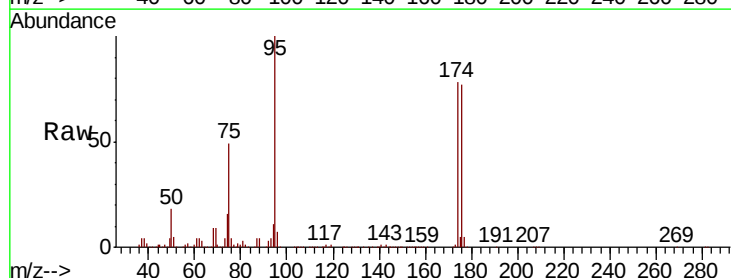
Tgt Ion: 75 Resp: 107048

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

