

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050319\
 Data File : VX009323.D
 Acq On : 03 May 2019 20:33
 Operator : JC/SP
 Sample : K2687-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW710-190502

Quant Time: May 03 23:21:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127600	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
35) Dibromofluoromethane	5.49	113	94579	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	388452	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.13	95	126601	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	

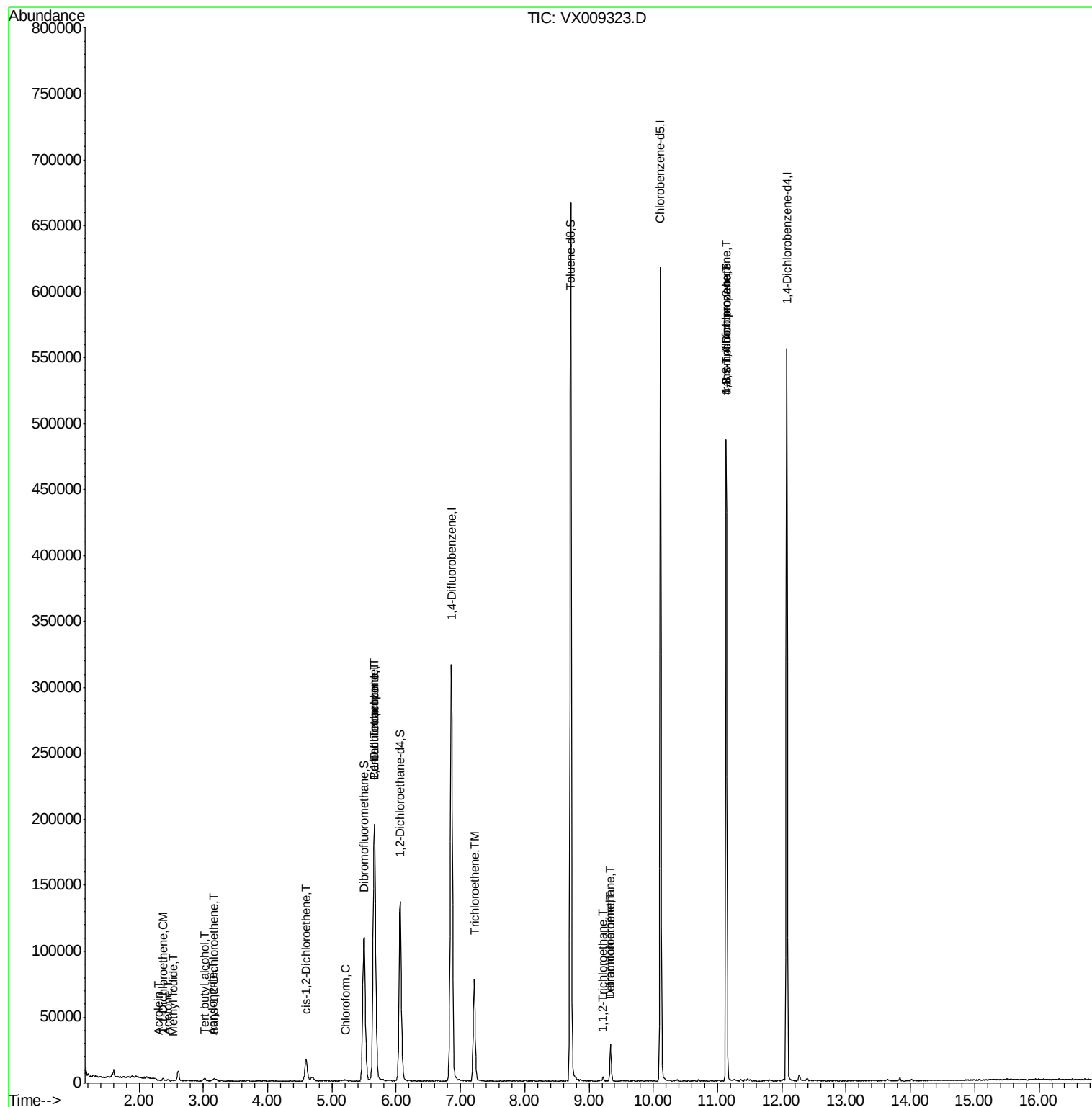
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	371	4.755	ug/l #	89
11) Tert butyl alcohol	3.03	59	1233	2.035	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	796	0.442	ug/l #	58
13) Acrolein	2.29	56	214	0.390	ug/l #	67
15) Acrylonitrile	3.14	53	364	0.246	ug/l #	66
16) Acetone	2.44	43	1261	0.897	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	420	0.215	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	10248	4.400	ug/l	93
28) Bromochloromethane	5.00	49	85	Below Cal	#	20
30) Chloroform	5.22	83	875	0.233	ug/l #	82
36) 1,1-Dichloropropene	5.66	75	15113	5.217	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18350	6.972	ug/l #	16
44) Trichloroethene	7.21	130	29895	13.793	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	956	0.430	ug/l	94
60) Dibromochloromethane	9.34	129	4934	2.272	ug/l #	11
64) Tetrachloroethene	9.34	164	5420	2.903	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	65638	24.142	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65638	61.770	ug/l #	10

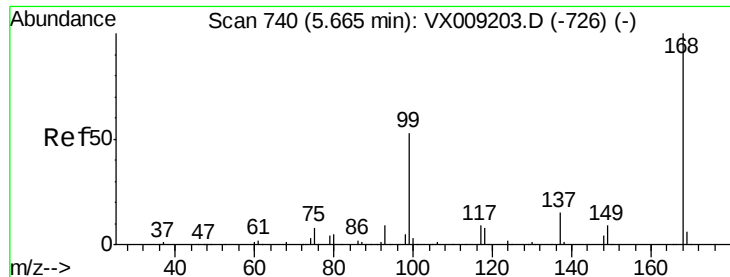
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

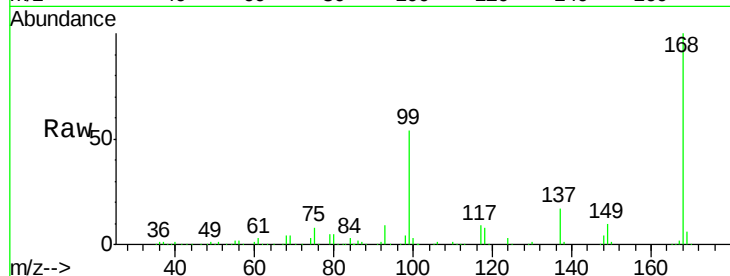
SS052MW710-190502

Tot Ion:168 Resp: 191767

Ion Ratio Lower Upper

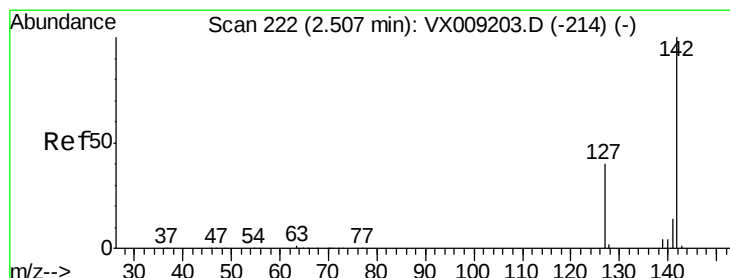
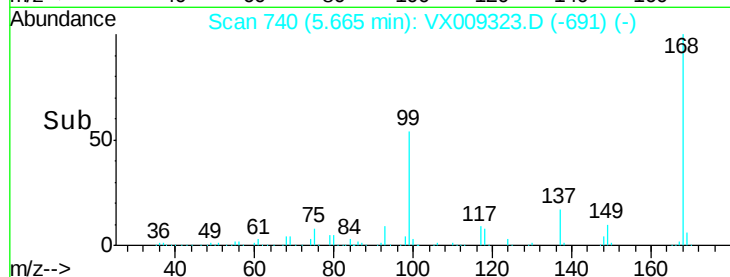
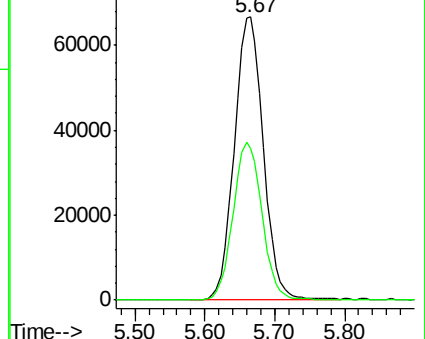
168 100

99 53.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.755 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

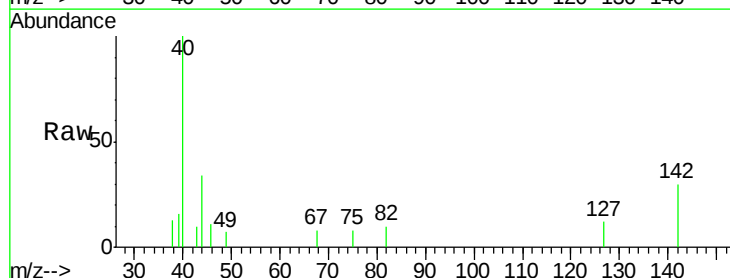
Tgt Ion:142 Resp: 371

Ion Ratio Lower Upper

142 100

127 39.6 32.7 49.1

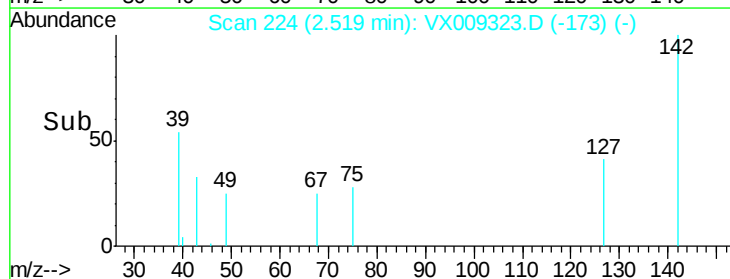
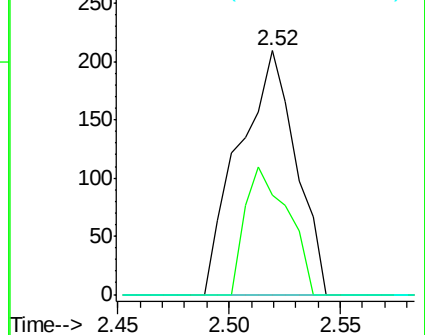
141 0.0 11.5 17.3#

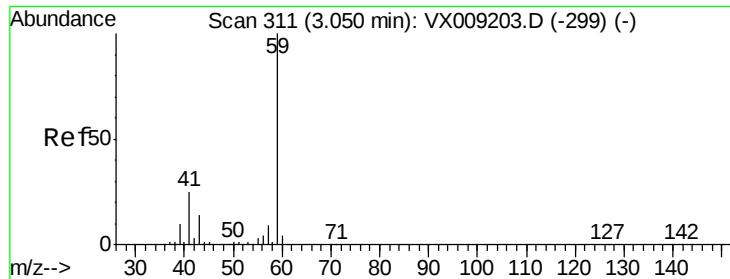


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

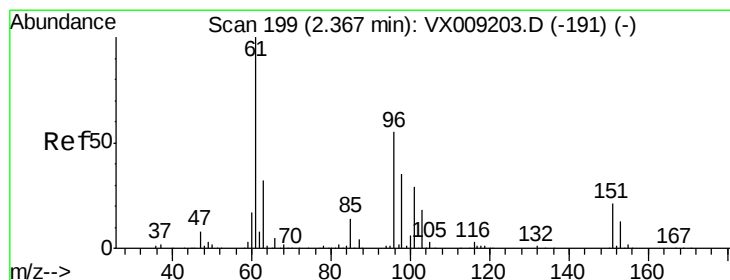
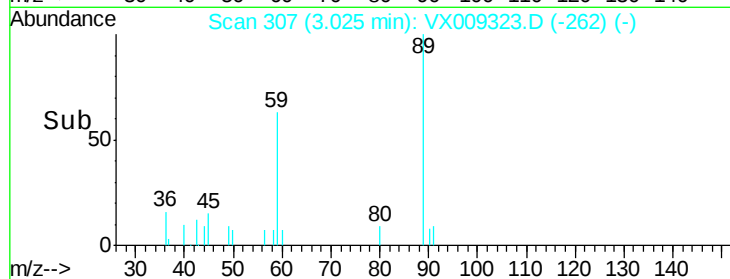
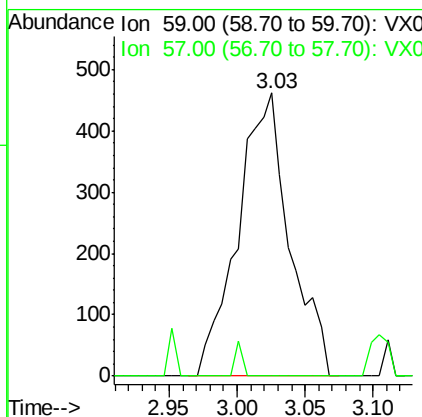
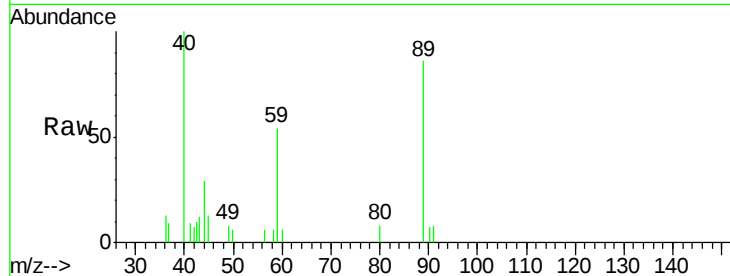




#11
Tert butyl alcohol
Concen: 2.035 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009323.D
Acq: 03 May 2019 20:33

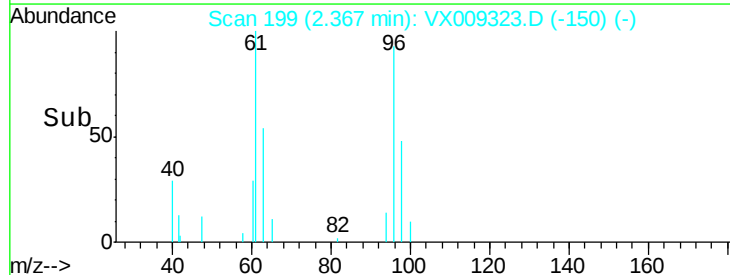
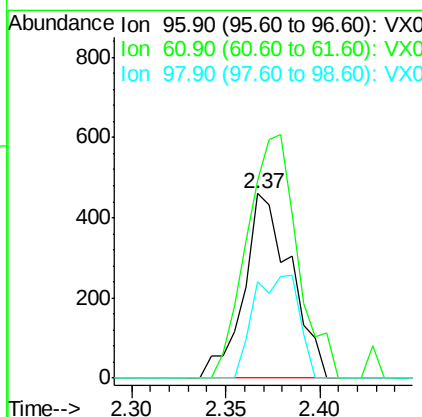
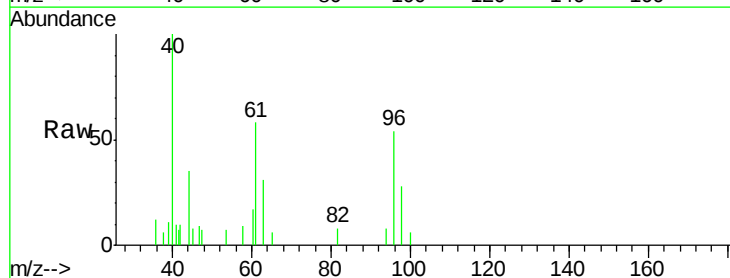
Instrument :
MSVOA_X
ClientSampleId :
SS052MW710-190502

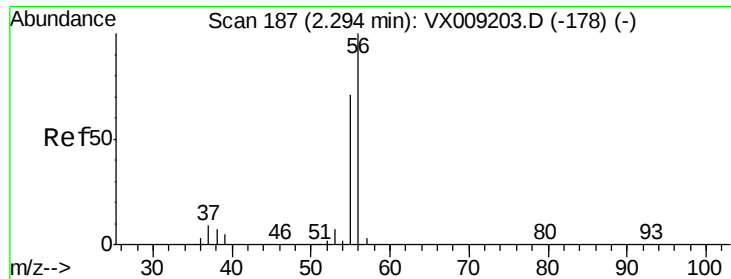
Tot Ion: 59 Resp: 1233
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.442 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009323.D
Acq: 03 May 2019 20:33

Tgt Ion: 96 Resp: 796
Ion Ratio Lower Upper
96 100
61 107.4 144.3 216.5#
98 52.0 50.3 75.5





#13

Acrolein

Concen: 0.390 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

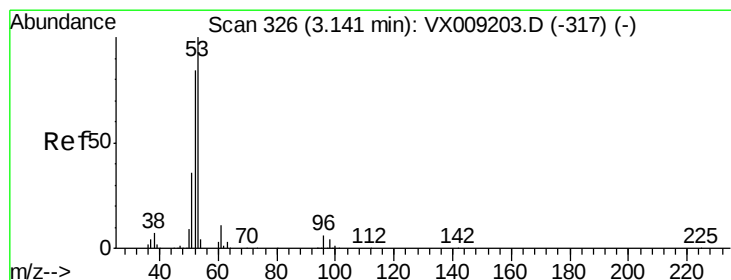
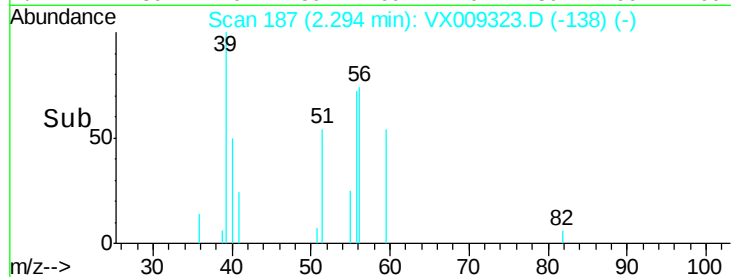
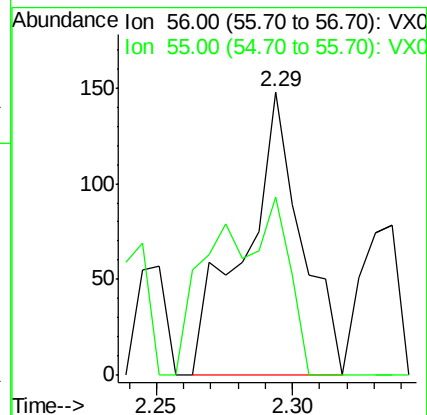
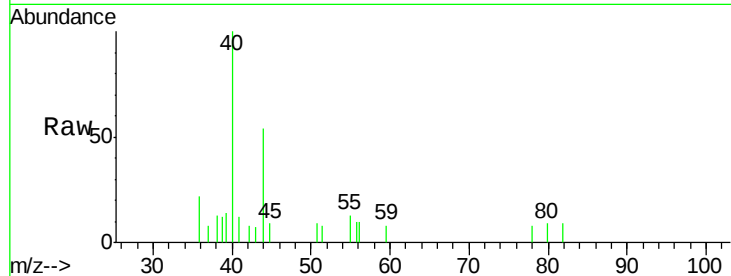
SS052MW710-190502

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 43.9 56.6 85.0#



#15

Acrylonitrile

Concen: 0.246 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

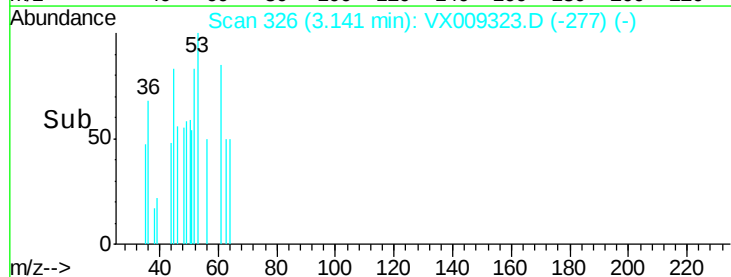
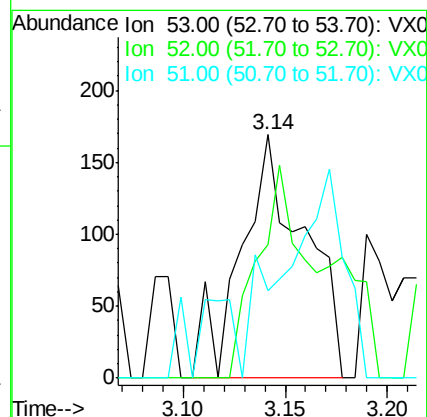
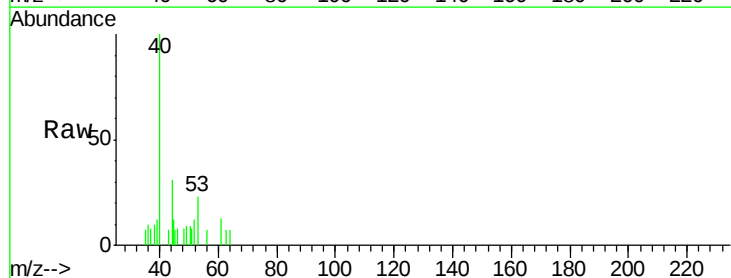
Tgt Ion: 53 Resp: 364

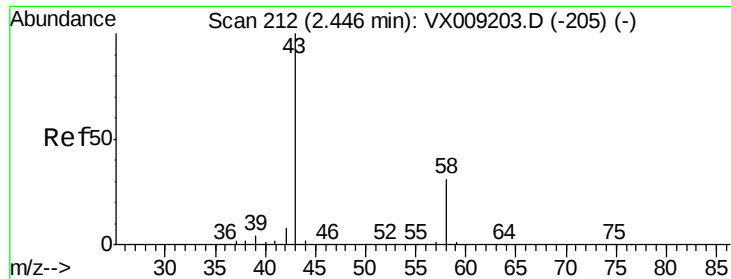
Ion Ratio Lower Upper

53 100

52 63.2 66.9 100.3#

51 0.0 28.2 42.2#





#16

Acetone

Concen: 0.897 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

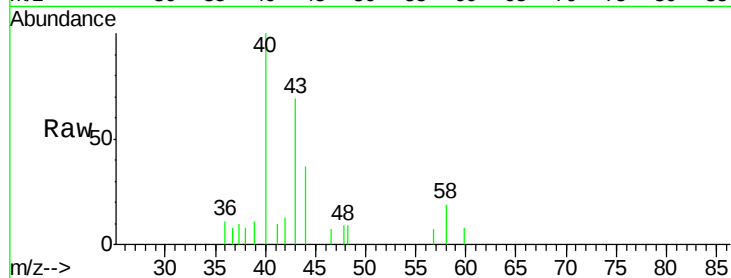
SS052MW710-190502

Tot Ion: 43 Resp: 1261

Ion Ratio Lower Upper

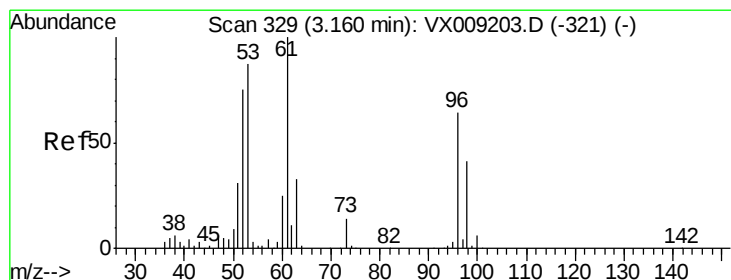
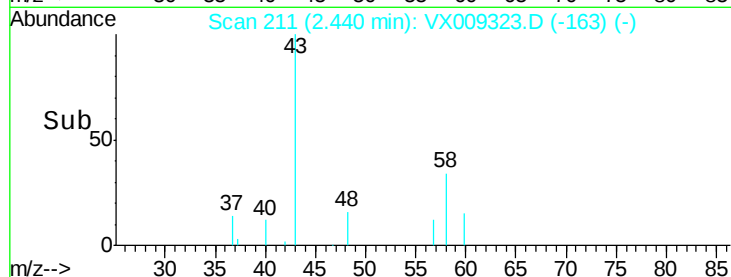
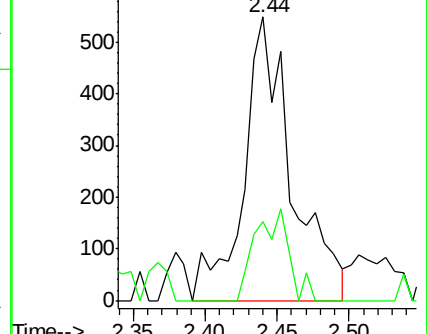
43 100

58 27.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.215 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

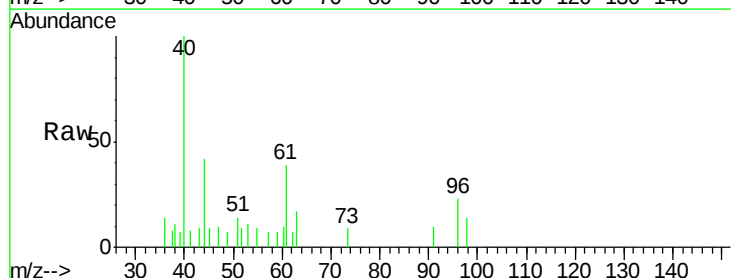
Tgt Ion: 96 Resp: 420

Ion Ratio Lower Upper

96 100

61 167.9 124.5 186.7

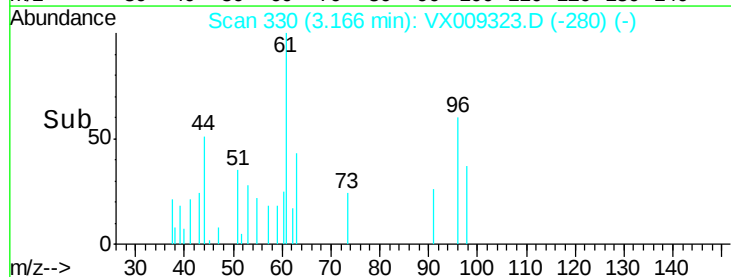
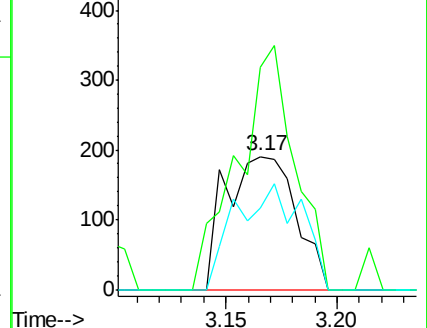
98 61.6 50.4 75.6

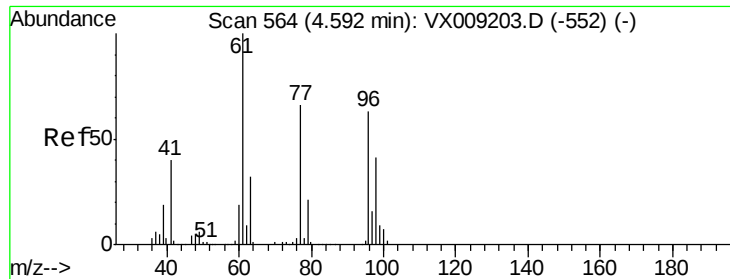


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 4.400 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Instrument :

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ClientSampleId :

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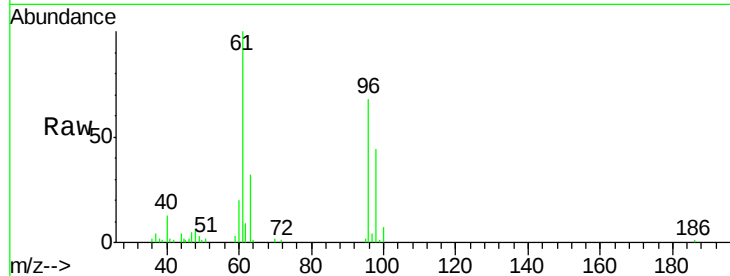
Tot Ion: 96 Resp: 10248

Ion Ratio Lower Upper

96 100

61 148.2 0.0 324.0

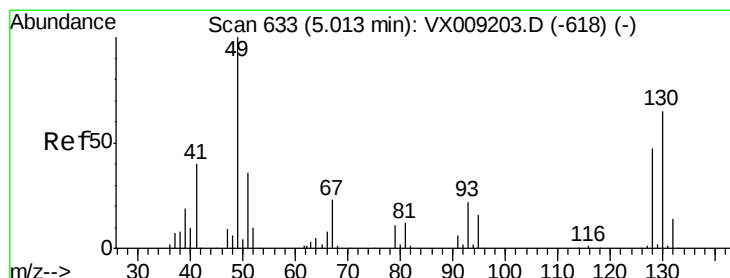
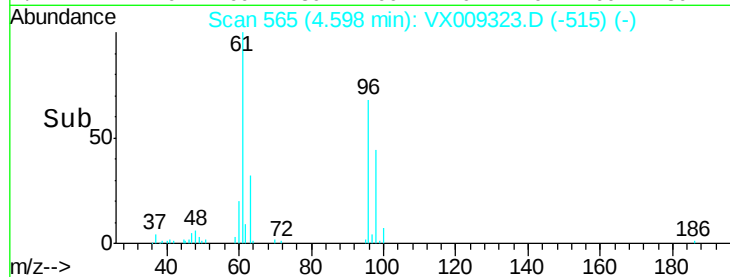
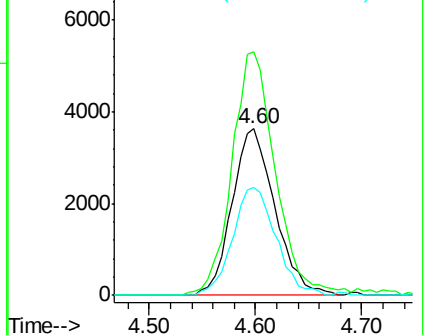
98 65.3 0.0 130.4



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



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

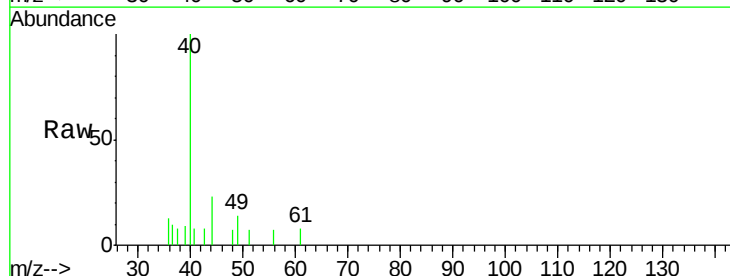
Tgt Ion: 49 Resp: 85

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

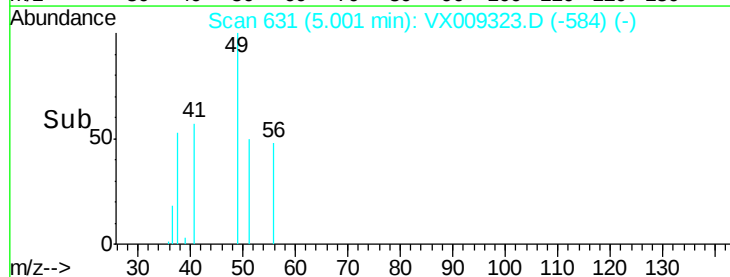
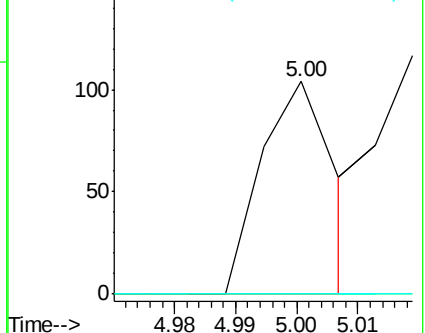
130 0.0 51.2 76.8#

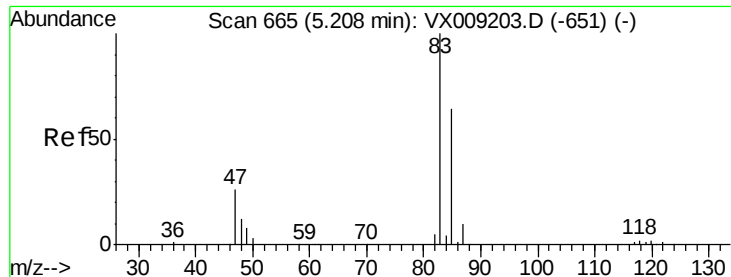


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

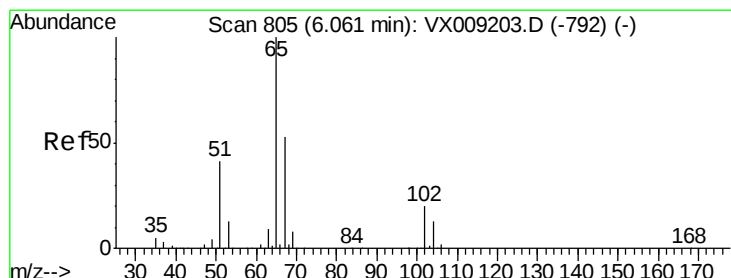
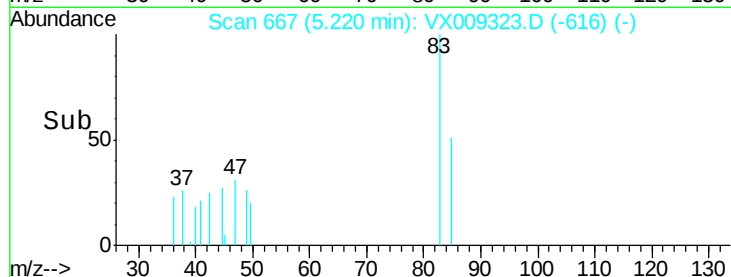
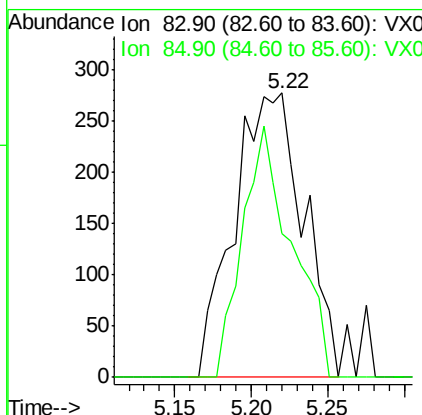
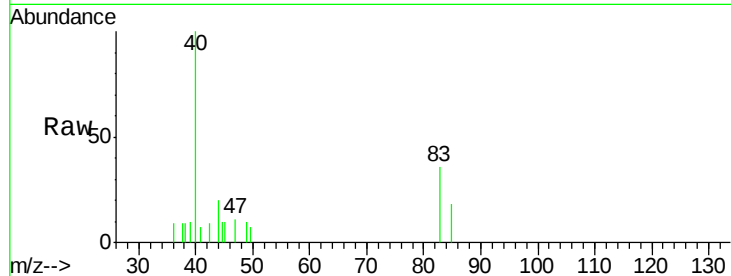




#30
Chloroform
Concen: 0.233 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX009323.D
Acq: 03 May 2019 20:33

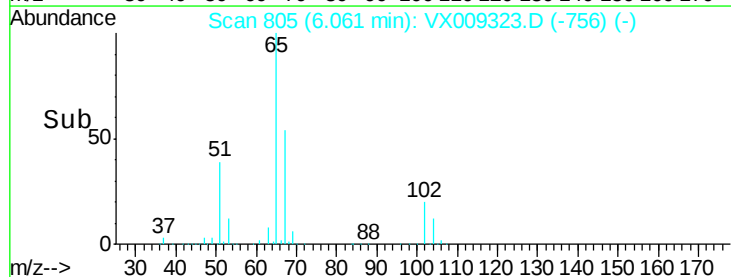
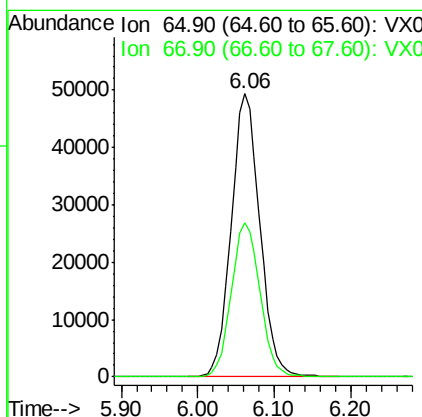
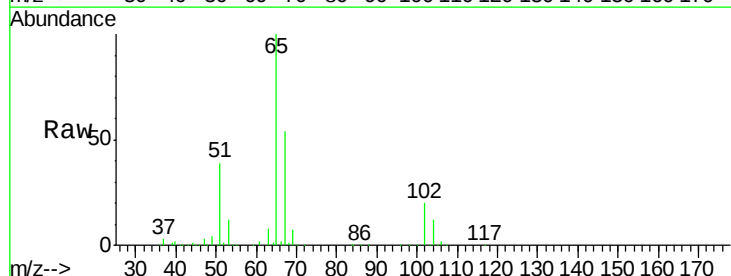
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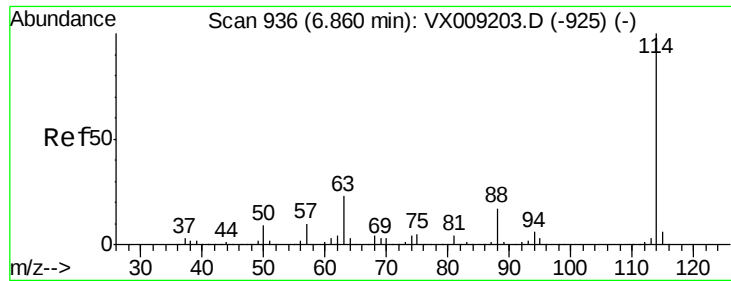
Tot Ion: 83 Resp: 875
Ion Ratio Lower Upper
83 100
85 50.5 51.5 77.3#



#33
1,2-Dichloroethane-d4
Concen: 48.742 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009323.D
Acq: 03 May 2019 20:33

Tgt Ion: 65 Resp: 127600
Ion Ratio Lower Upper
65 100
67 54.6 0.0 106.6

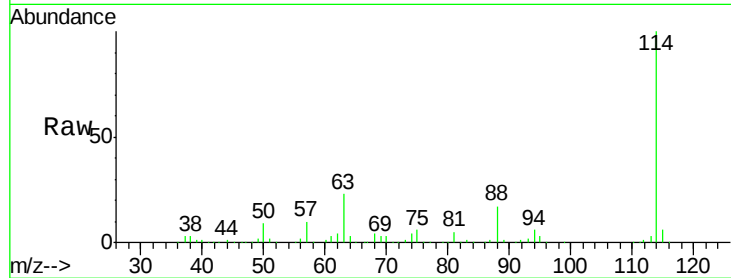




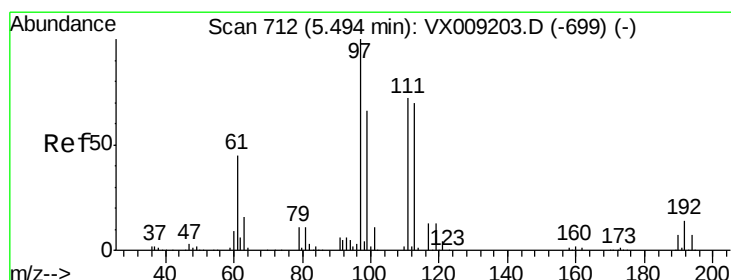
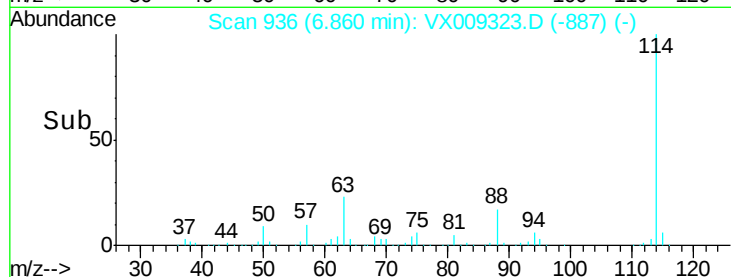
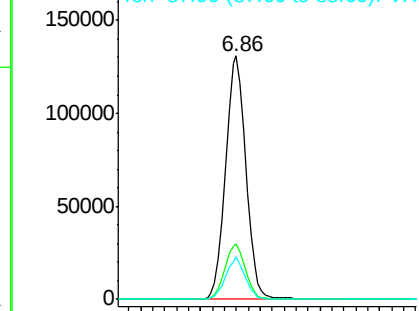
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009323.D
 Acq: 03 May 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW710-190502

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	17.4	0.0	33.2

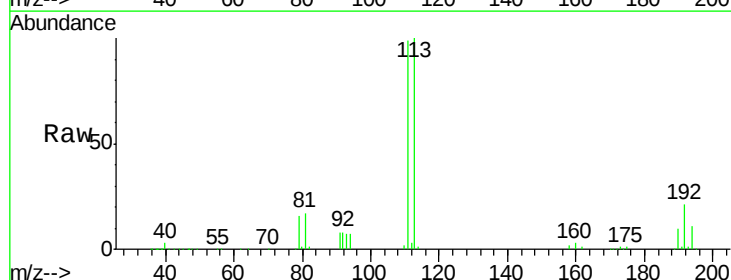


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

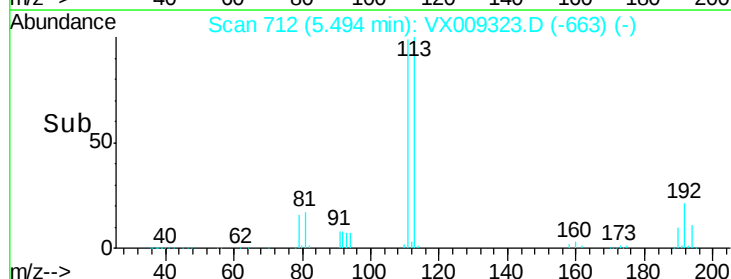
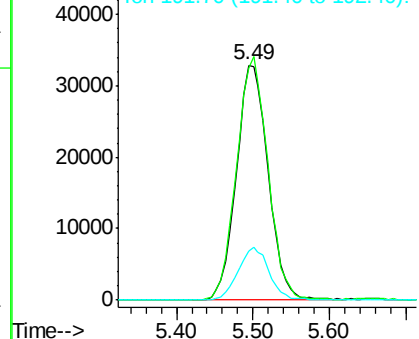


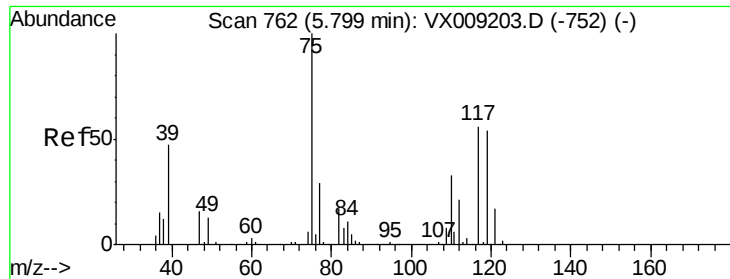
#35
 Dibromofluoromethane
 Concen: 48.265 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009323.D
 Acq: 03 May 2019 20:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	21.9	17.0	25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

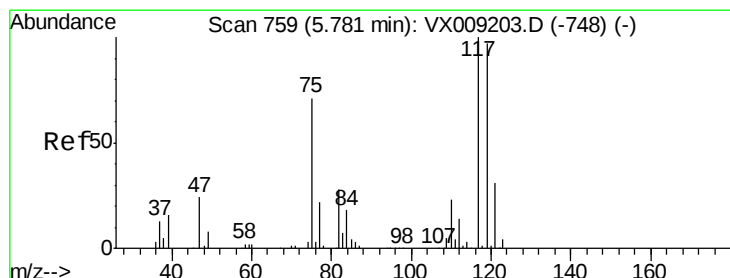
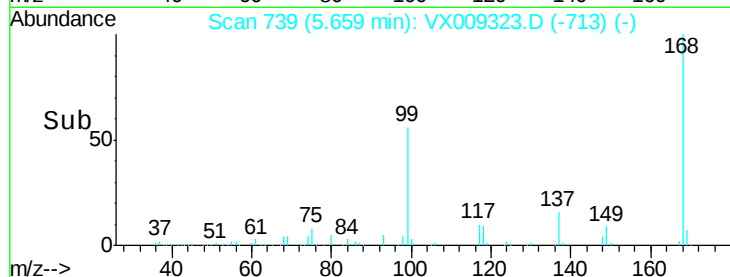
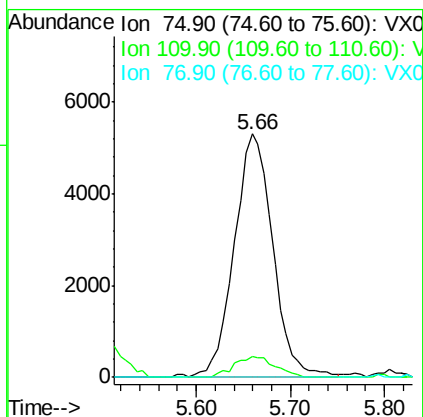
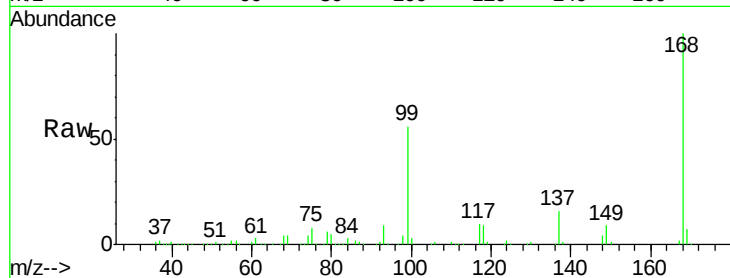




#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009323.D
 Acq: 03 May 2019 20:33

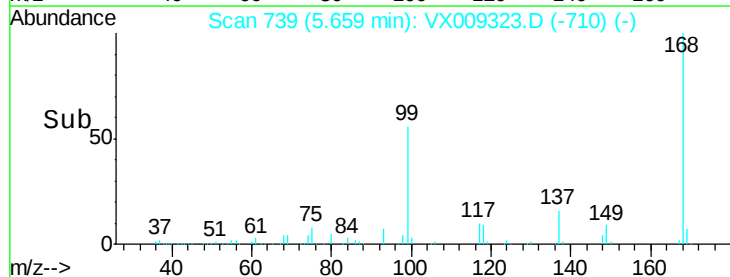
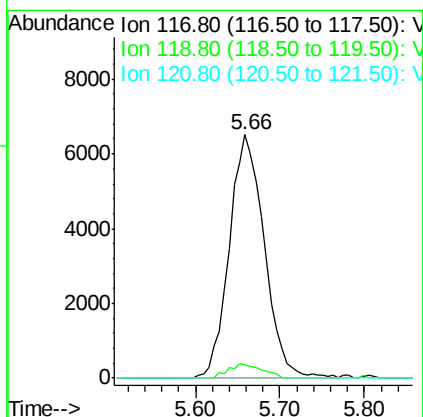
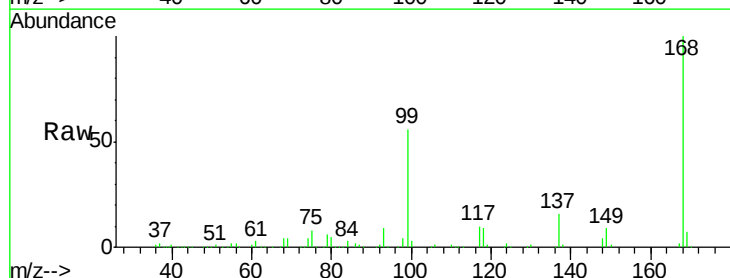
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW710-190502

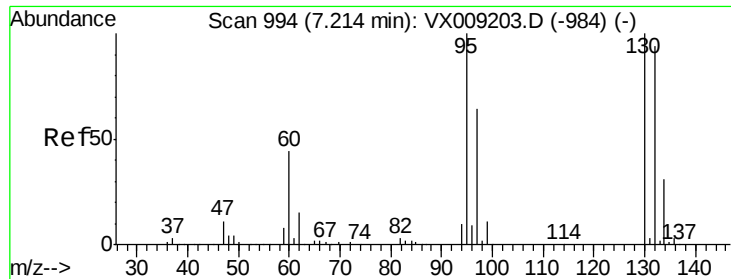
Tot Ion: 75 Resp: 15113
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.972 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009323.D
 Acq: 03 May 2019 20:33

Tgt Ion: 117 Resp: 18350
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.5 116.3#
 121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 13.793 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

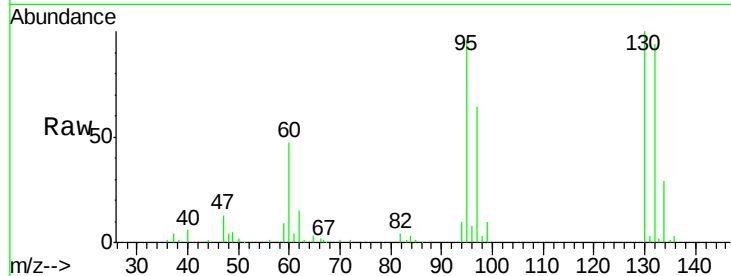
SS052MW710-190502

Tot Ion:130 Resp: 29895

Ion Ratio Lower Upper

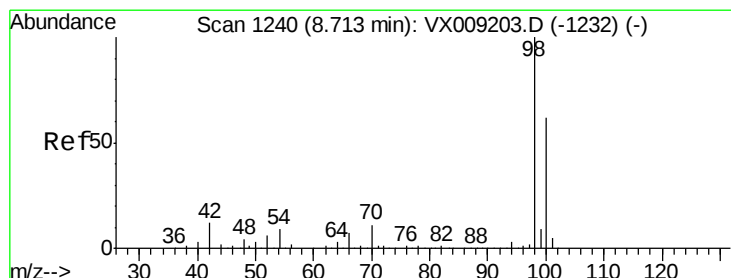
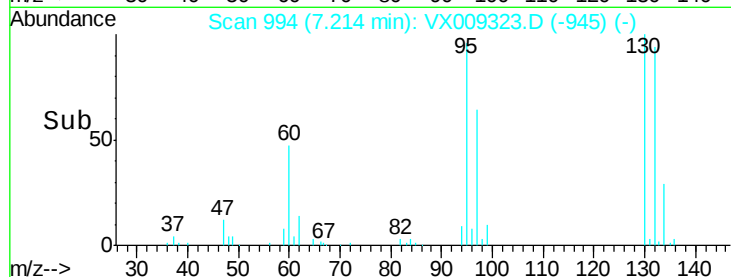
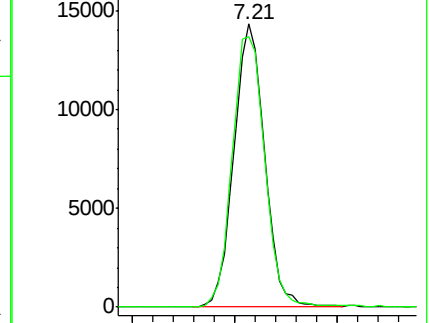
130 100

95 95.7 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.101 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009323.D

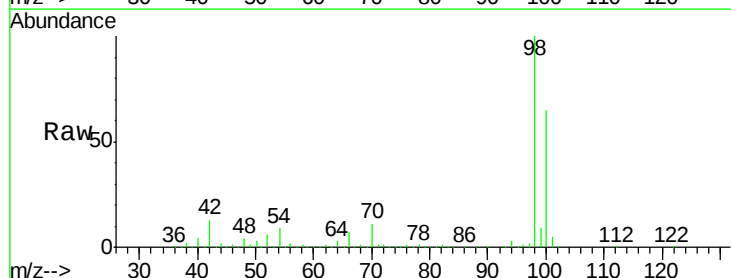
Acq: 03 May 2019 20:33

Tgt Ion: 98 Resp: 388452

Ion Ratio Lower Upper

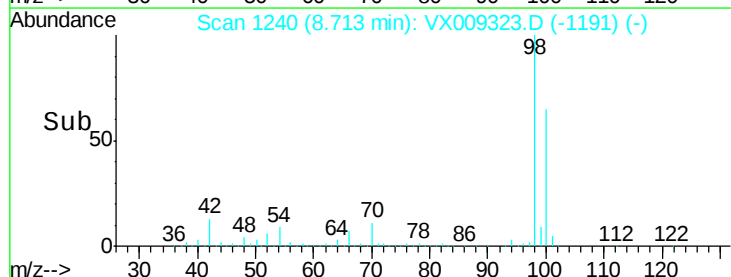
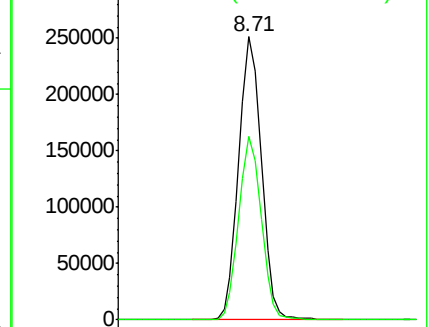
98 100

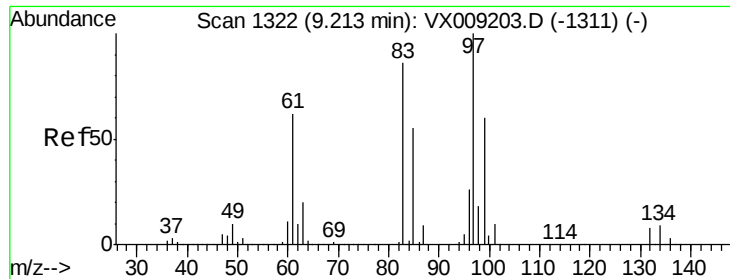
100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

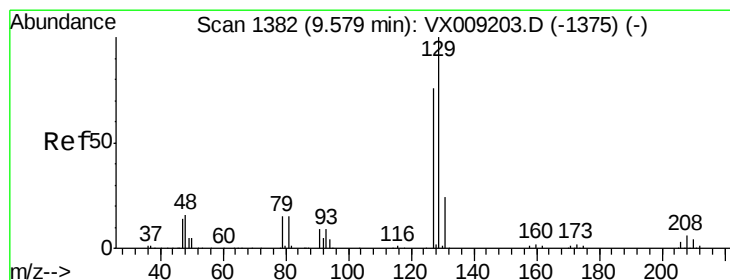
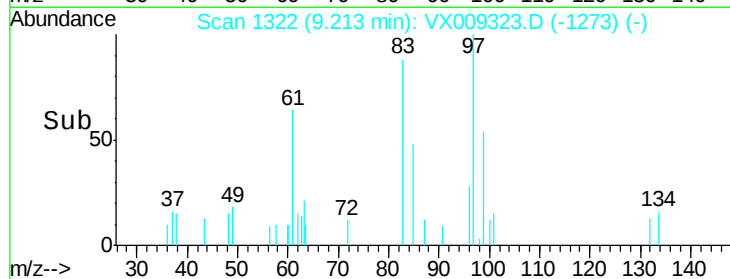
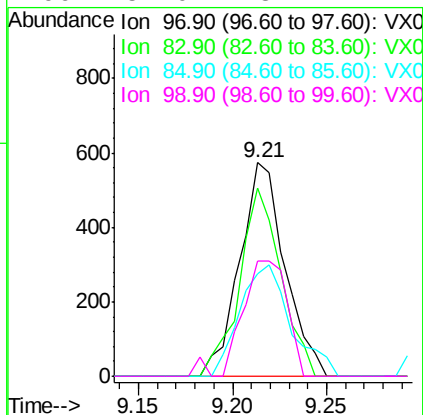
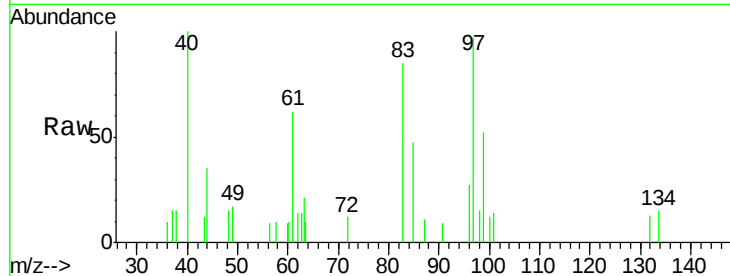




#55
 1,1,2-Trichloroethane
 Concen: 0.430 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009323.D
 Acq: 03 May 2019 20:33

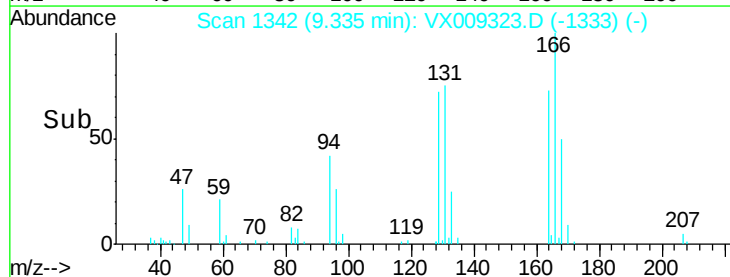
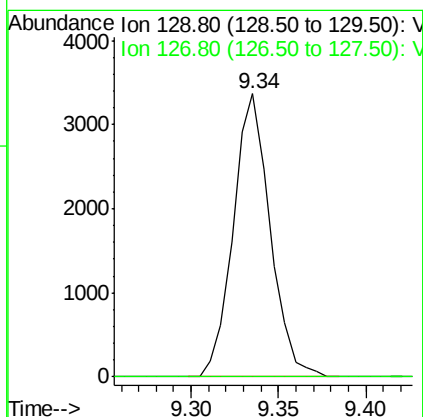
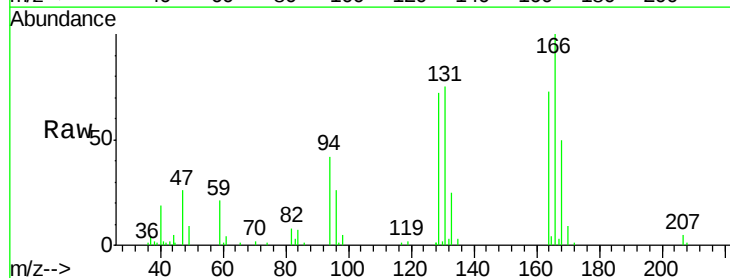
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW710-190502

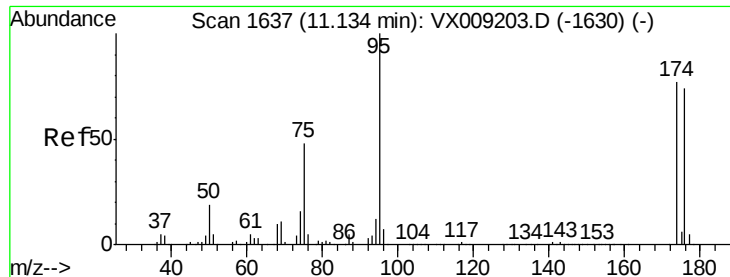
Tot Ion:	97	Resp:	956
Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.9	103.3
85	48.3	43.8	65.6
99	54.0	48.2	72.2



#60
 Dibromochloromethane
 Concen: 2.272 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009323.D
 Acq: 03 May 2019 20:33

Tgt Ion:	129	Resp:	4934
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.1#





#62

4-Bromofluorobenzene

Concen: 44.040 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW710-190502

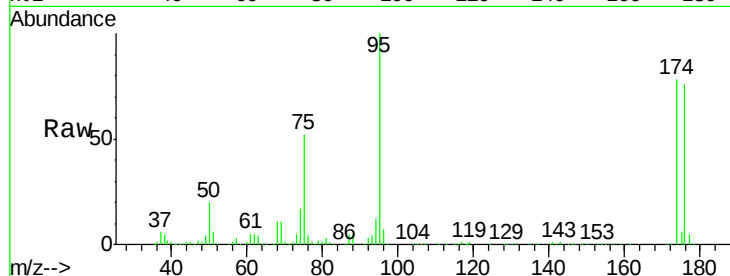
Tot Ion: 95 Resp: 126601

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

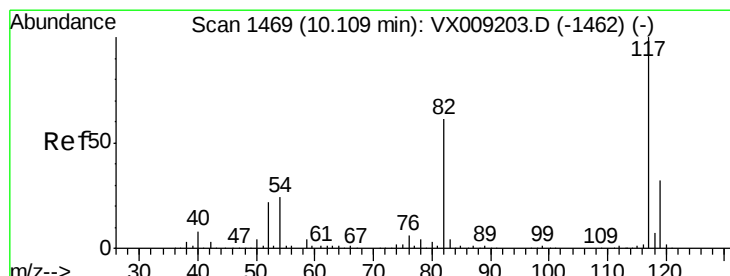
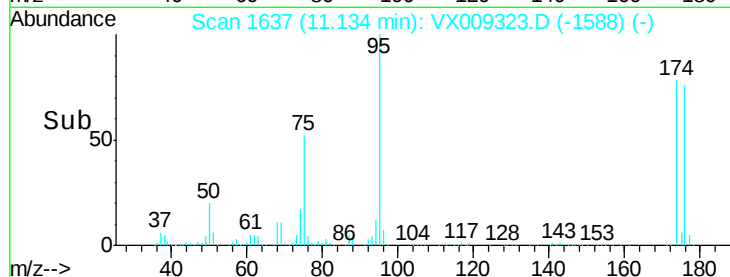
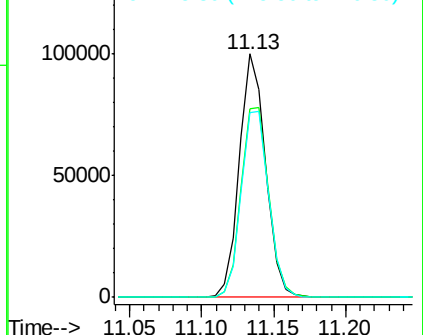
176 80.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009323.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009323.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009323.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

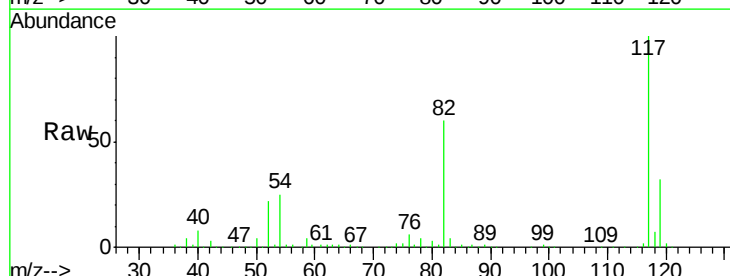
Tgt Ion: 117 Resp: 272215

Ion Ratio Lower Upper

117 100

82 59.8 48.8 73.2

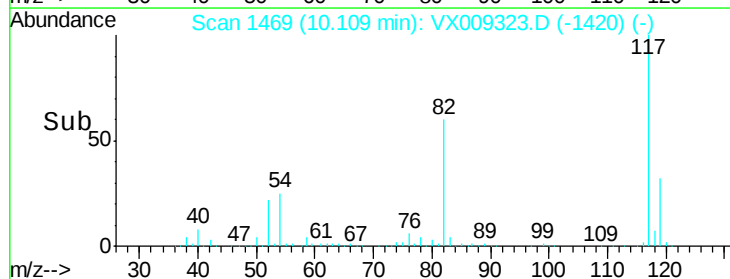
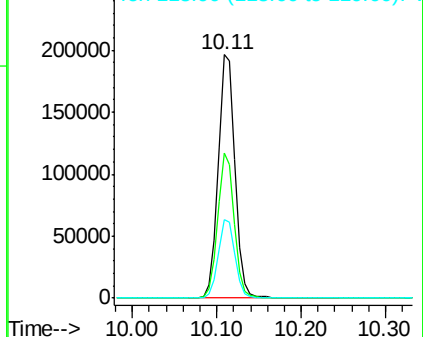
119 32.4 25.8 38.6

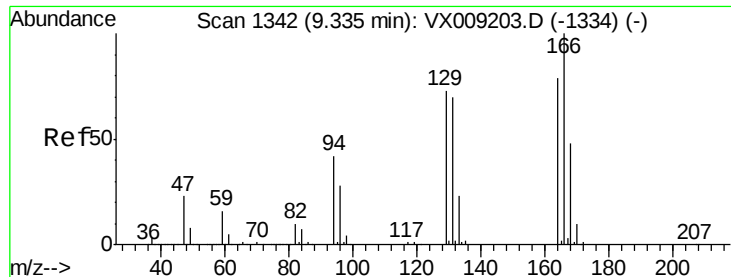


Abundance Ion 116.90 (116.60 to 117.60): VX009323.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009323.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009323.D (-1420) (-)

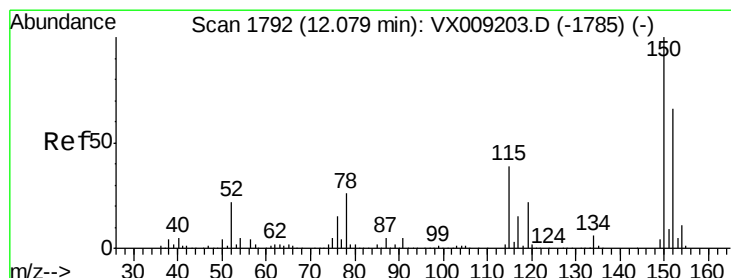
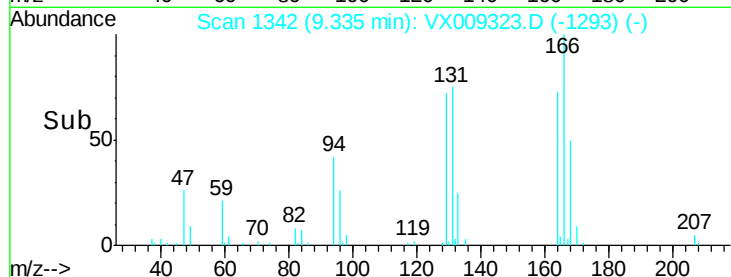
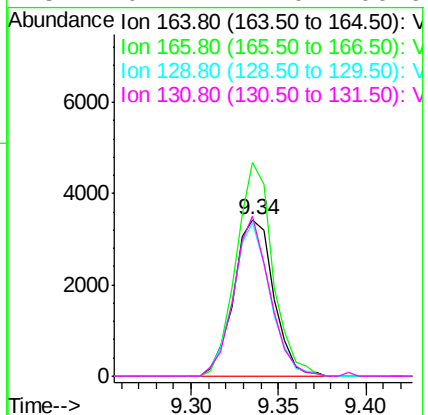
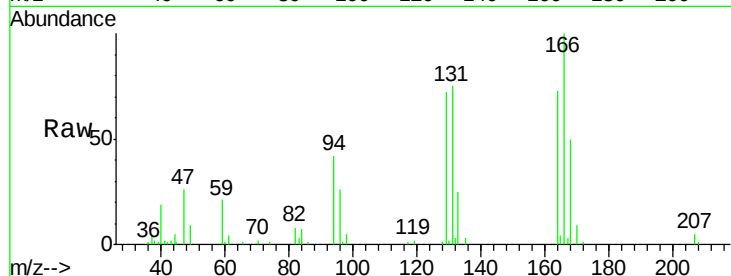




#64
Tetrachloroethene
Concen: 2.903 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009323.D
Acq: 03 May 2019 20:33

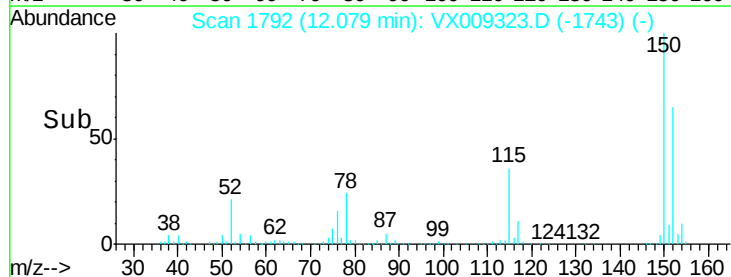
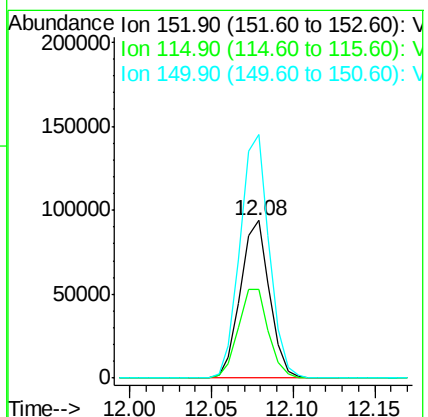
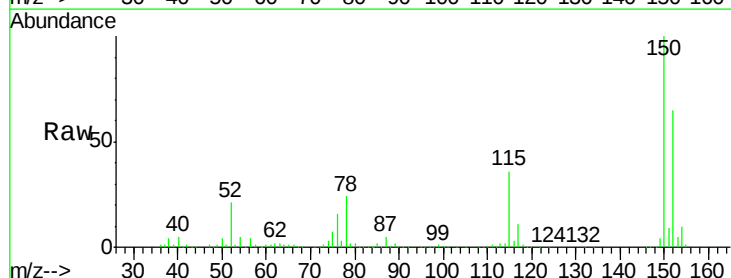
Instrument :
MSVOA_X
ClientSampleId :
SS052MW710-190502

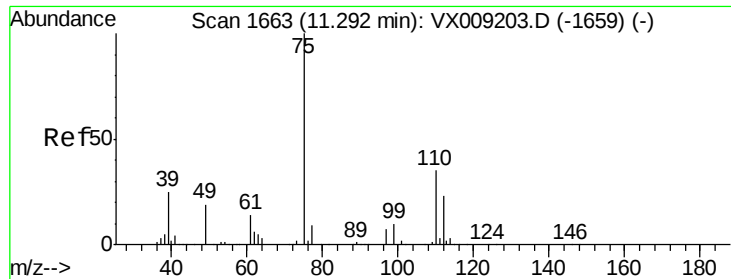
Tot Ion:164 Resp: 5420
Ion Ratio Lower Upper
164 100
166 136.3 101.2 151.8
129 98.1 74.3 111.5
131 102.2 71.0 106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009323.D
Acq: 03 May 2019 20:33

Tgt Ion:152 Resp: 117210
Ion Ratio Lower Upper
152 100
115 58.3 41.2 123.6
150 155.3 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.142 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

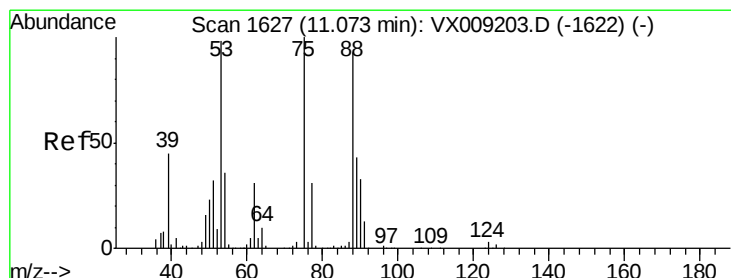
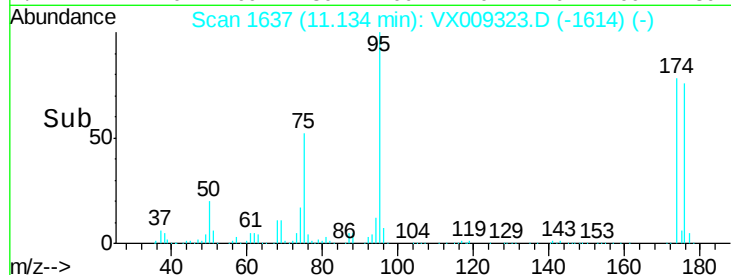
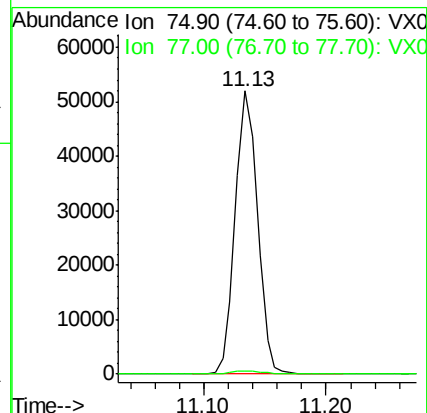
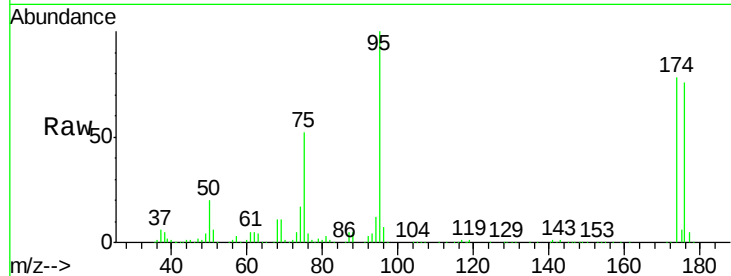
SS052MW710-190502

Tot Ion: 75 Resp: 65638

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.770 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009323.D

Acq: 03 May 2019 20:33

Tgt Ion: 75 Resp: 65638

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

