

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009634.D
 Acq On : 17 May 2019 02:30
 Operator : JC/SP
 Sample : K2887-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW733-190515

Quant Time: May 17 06:44:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	115089	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	5.50	113	83590	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	341889	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	111583	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	

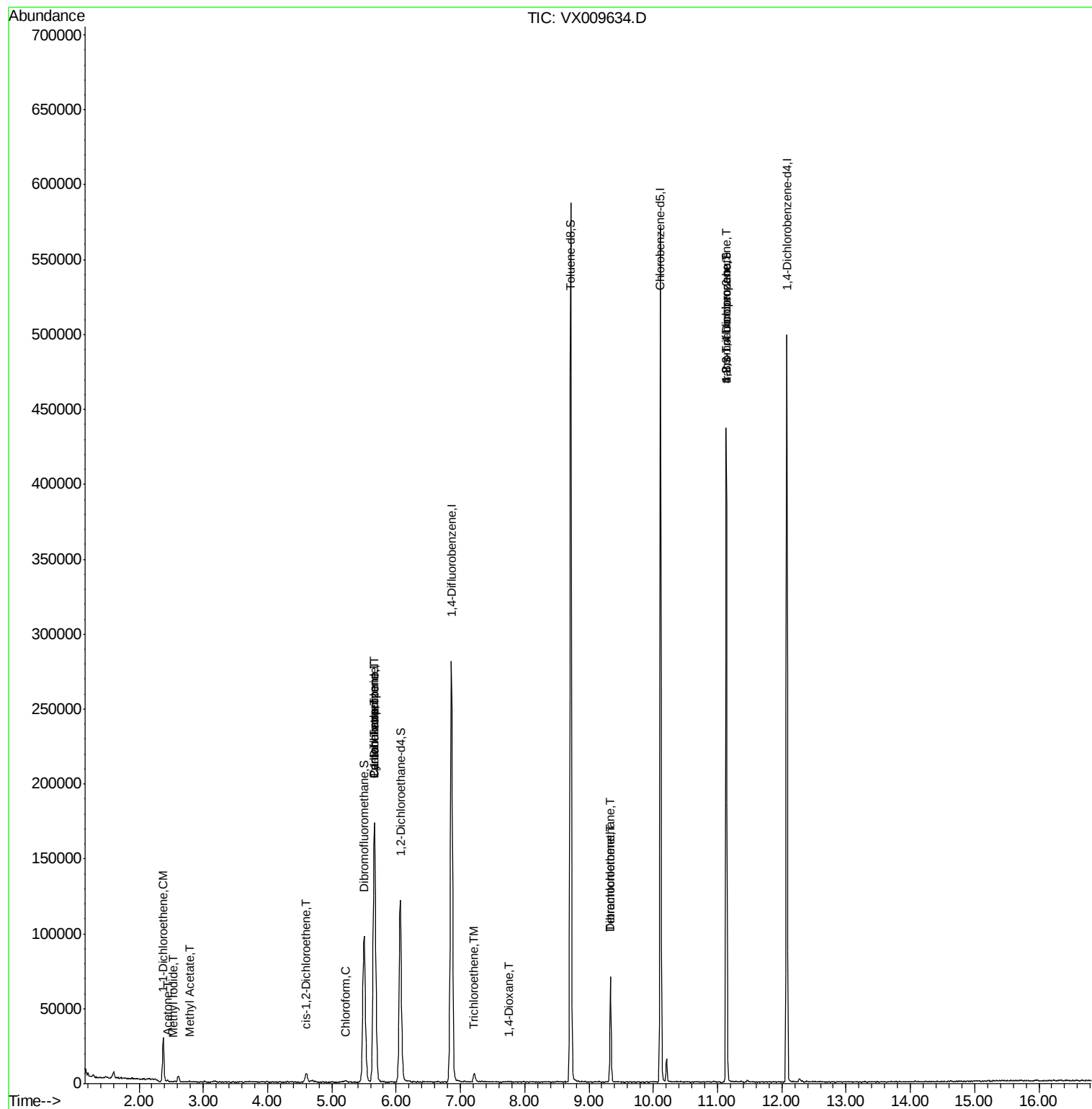
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.53	142	18	4.603	ug/l #	42
12) 1,1-Dichloroethene	2.37	96	9704	6.044	ug/l	94
16) Acetone	2.45	43	796	0.635	ug/l #	83
18) Methyl Acetate	2.78	43	862	0.289	ug/l #	83
27) cis-1,2-Dichloroethene	4.60	96	3297	1.586	ug/l	94
28) Bromochloromethane	4.99	49	41	Below Cal	#	20
30) Chloroform	5.21	83	825	0.246	ug/l	94
31) Cyclohexane	5.67	56	3790	1.098	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13152	5.197	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15845	6.891	ug/l #	16
44) Trichloroethene	7.21	130	2248	1.187	ug/l	100
49) 1,4-Dioxane	7.75	88	143	2.520	ug/l #	1
60) Dibromochloromethane	9.34	129	12417	6.545	ug/l #	11
64) Tetrachloroethene	9.34	164	13567	8.282	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	57006	24.705	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57006	63.212	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009634.D

Acq: 17 May 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

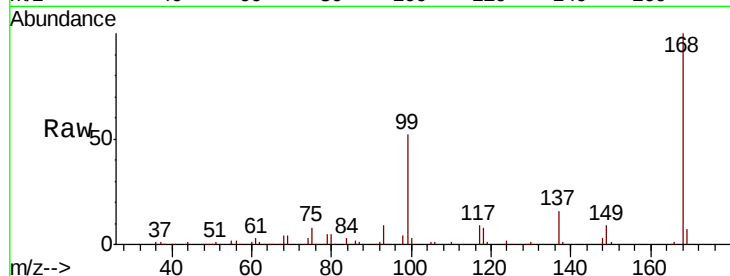
SS052MW733-190515

Tot Ion:168 Resp: 171103

Ion Ratio Lower Upper

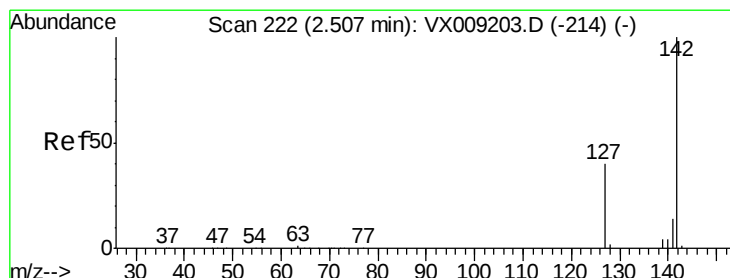
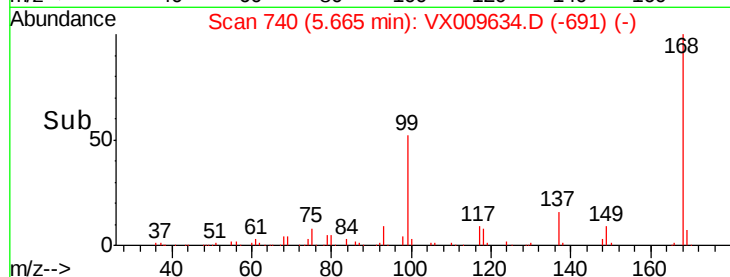
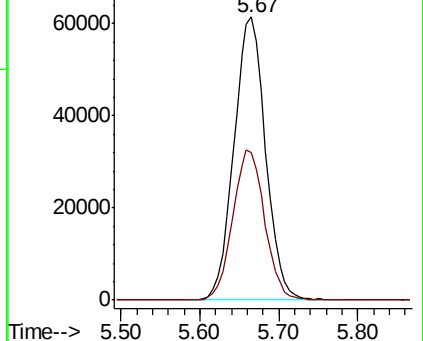
168 100

99 52.0 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: 4.603 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX009634.D

Acq: 17 May 2019 02:30

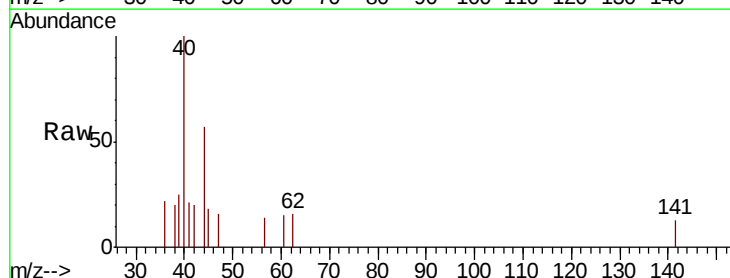
Tgt Ion:142 Resp: 18

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

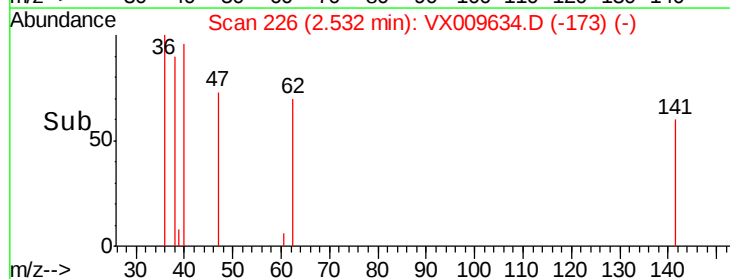
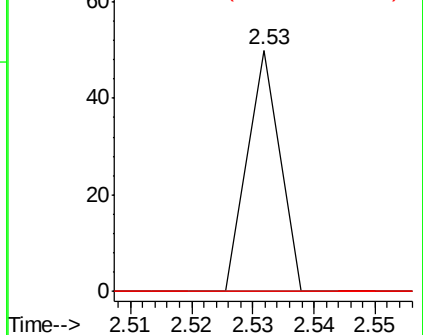
141 0.0 11.5 17.3#

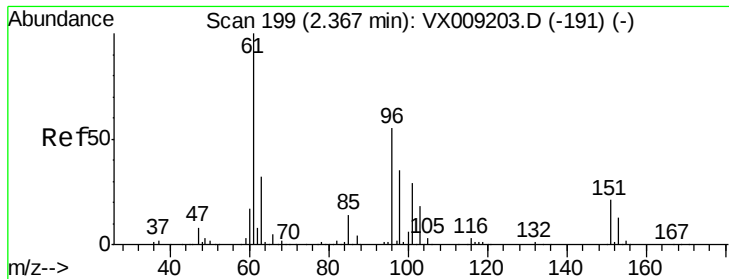


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 6.044 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009634.D

Acq: 17 May 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-190515

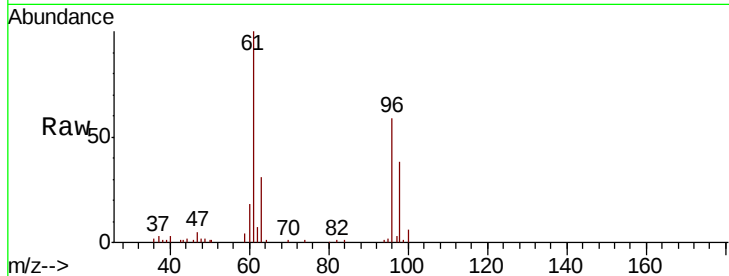
Tot Ion: 96 Resp: 9704

Ion Ratio Lower Upper

96 100

61 169.0 144.3 216.5

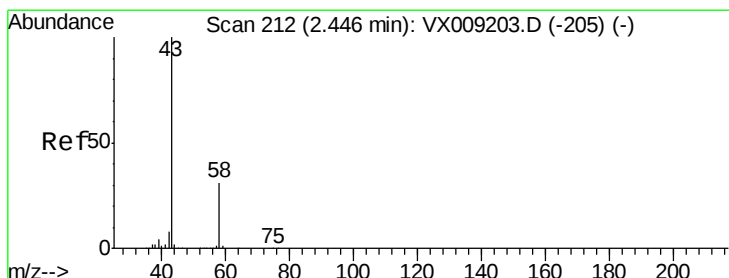
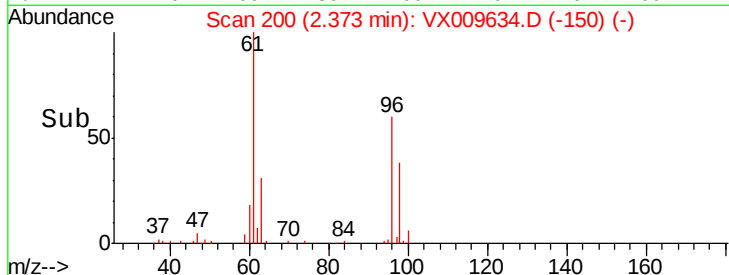
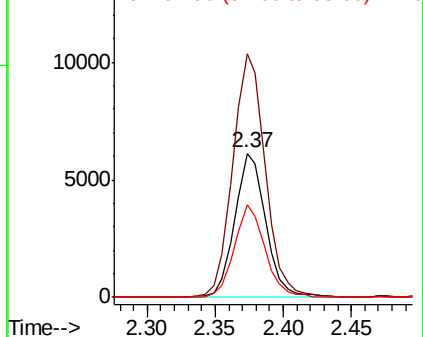
98 64.5 50.3 75.5



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



#16

Acetone

Concen: 0.635 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009634.D

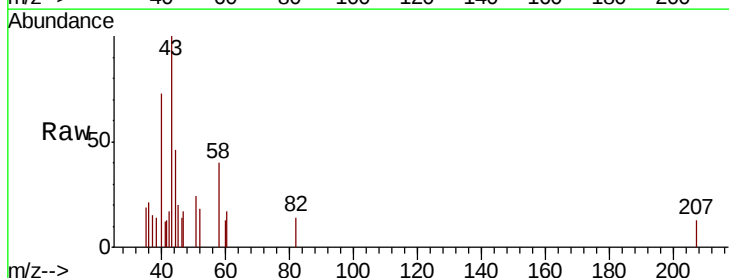
Acq: 17 May 2019 02:30

Tgt Ion: 43 Resp: 796

Ion Ratio Lower Upper

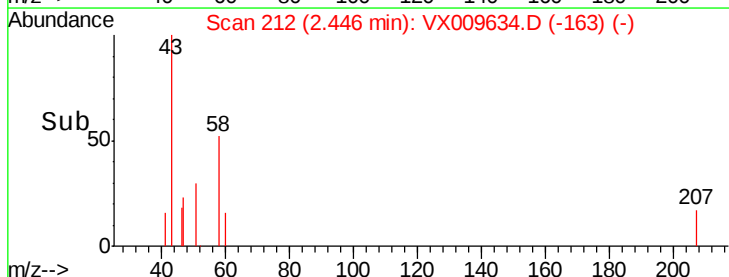
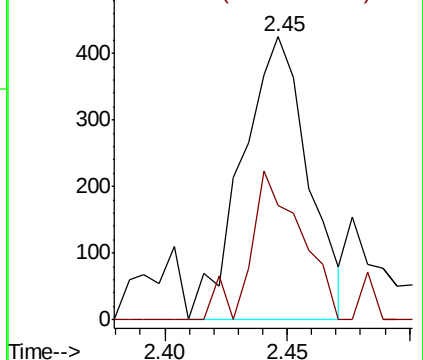
43 100

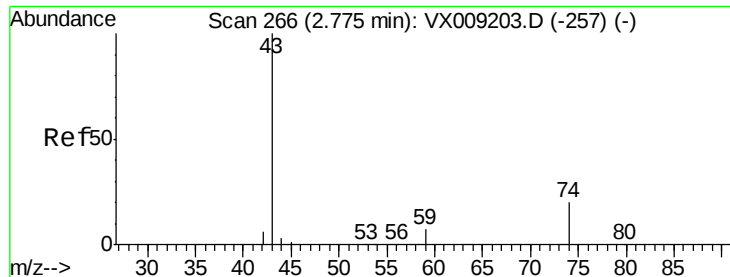
58 40.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

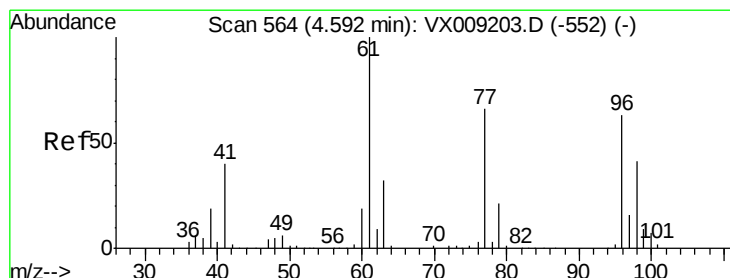
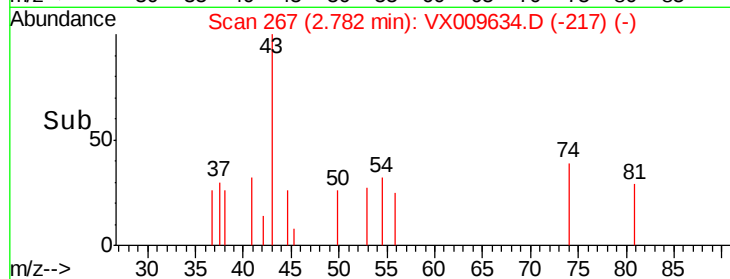
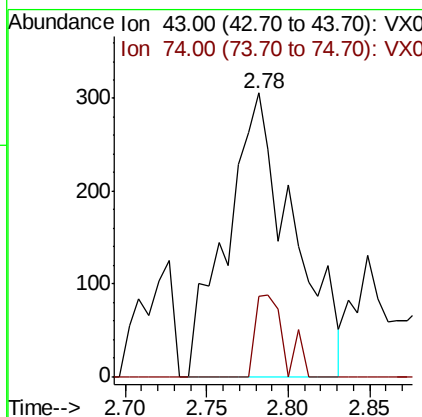
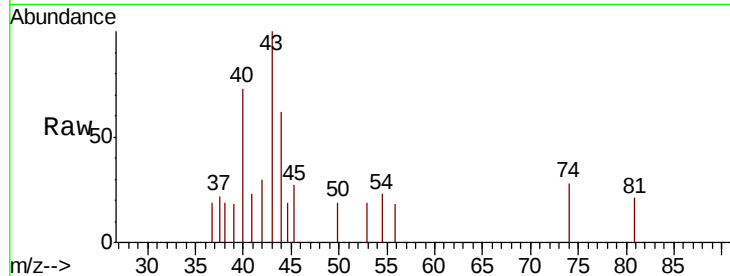




#18
Methyl Acetate
Concen: 0.289 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX009634.D
Acq: 17 May 2019 02:30

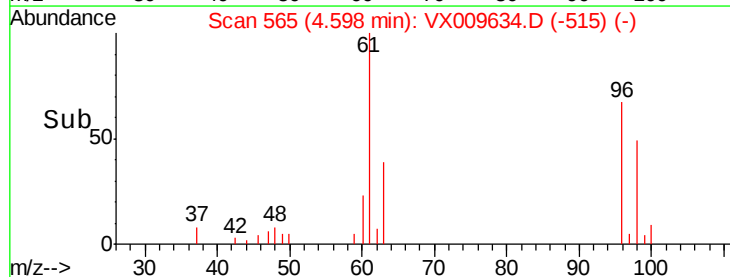
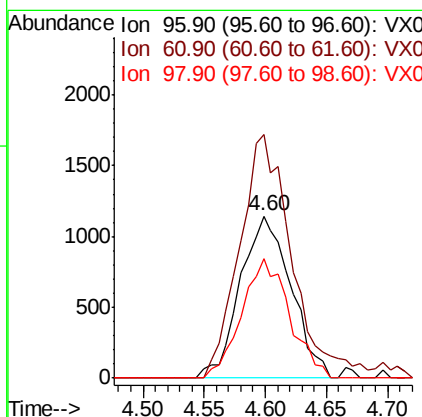
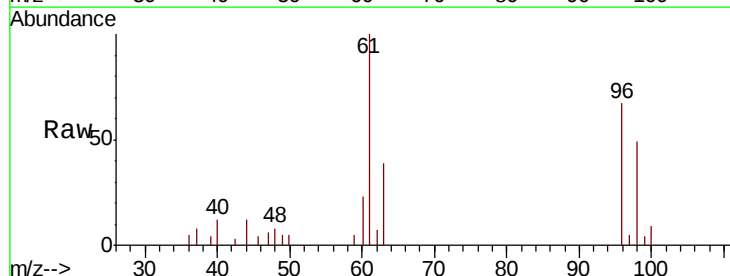
Instrument :
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SS052MW733-190515

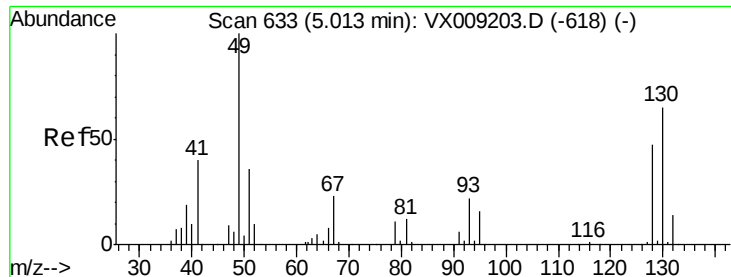
Tot Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
74 12.6 16.2 24.4#



#27
cis-1,2-Dichloroethene
Concen: 1.586 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009634.D
Acq: 17 May 2019 02:30

Tgt Ion: 96 Resp: 3297
Ion Ratio Lower Upper
96 100
61 154.7 0.0 324.0
98 69.5 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009634.D

Acq: 17 May 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-190515

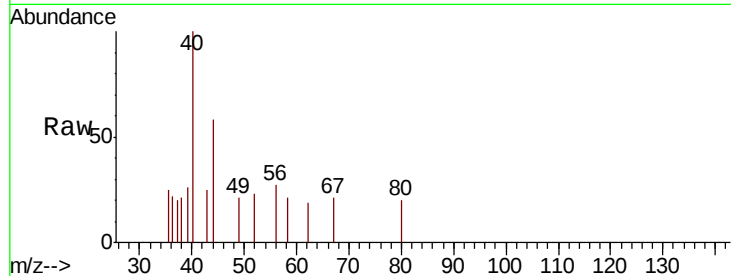
Tot Ion: 49 Resp: 41

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

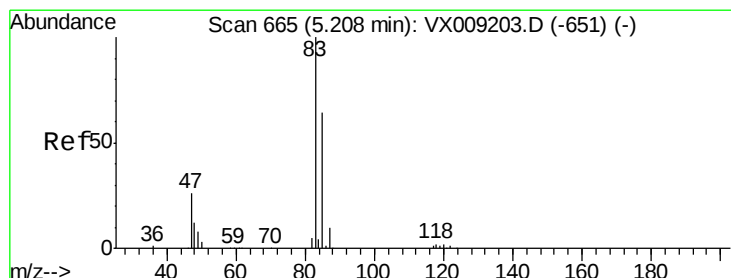
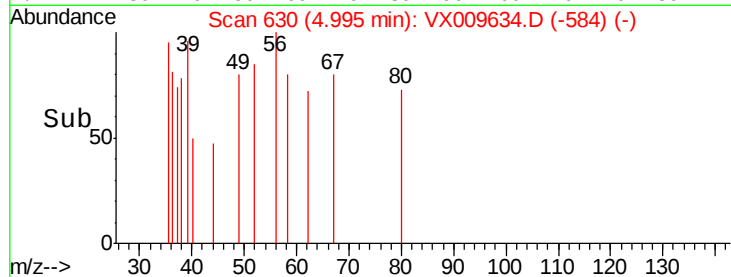
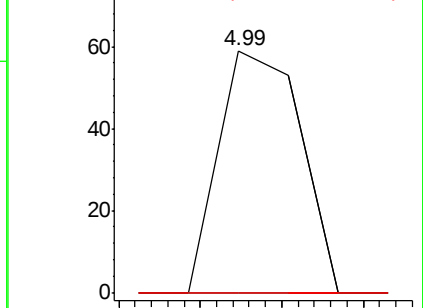
130 0.0 51.2 76.8#



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: 0.246 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009634.D

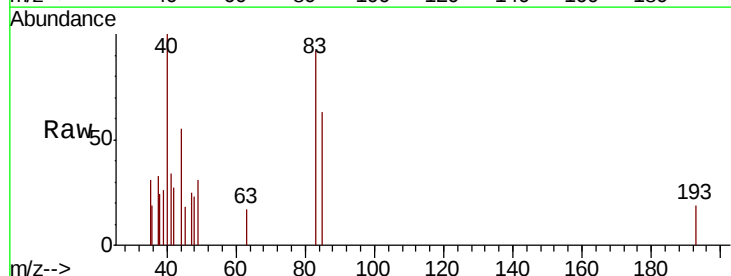
Acq: 17 May 2019 02:30

Tgt Ion: 83 Resp: 825

Ion Ratio Lower Upper

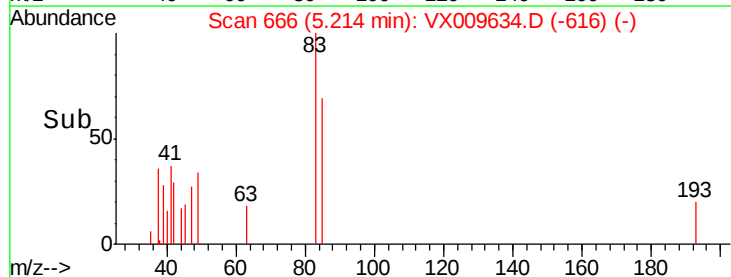
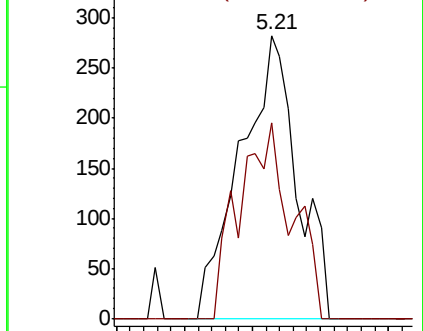
83 100

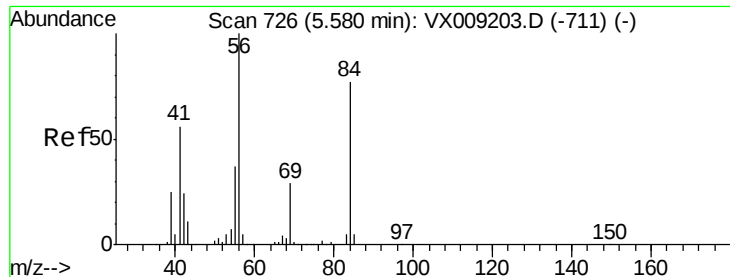
85 69.3 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

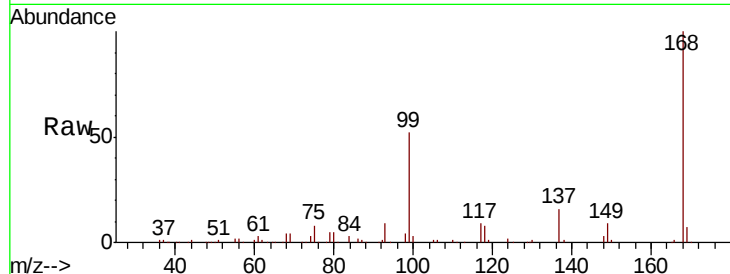




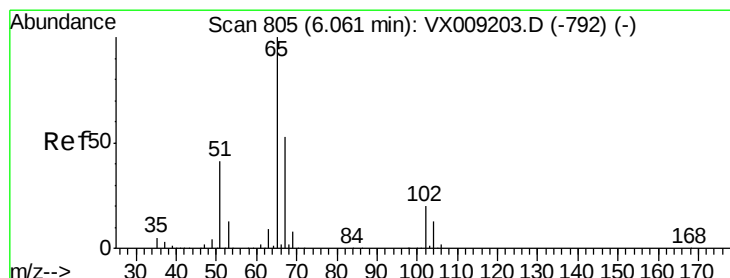
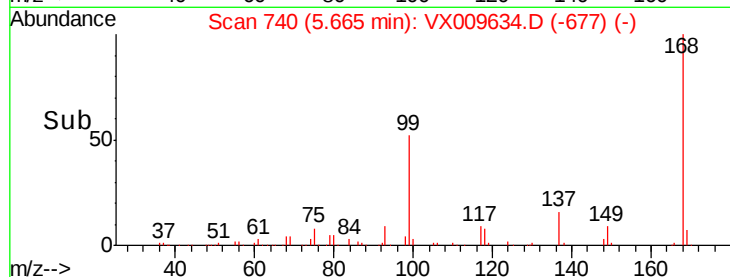
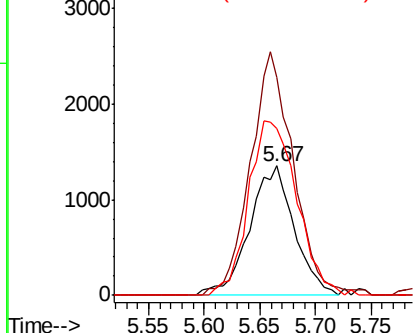
#31
Cyclohexane
Concen: 1.098 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009634.D
Acq: 17 May 2019 02:30

Instrument :
MSVOA_X
ClientSampleId :
SS052MW733-190515

Tot Ion: 56 Resp: 3790
Ion Ratio Lower Upper
56 100
69 168.3 23.4 35.0#
84 128.7 61.9 92.9#

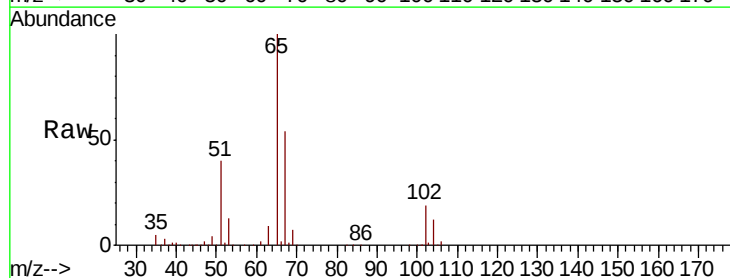


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

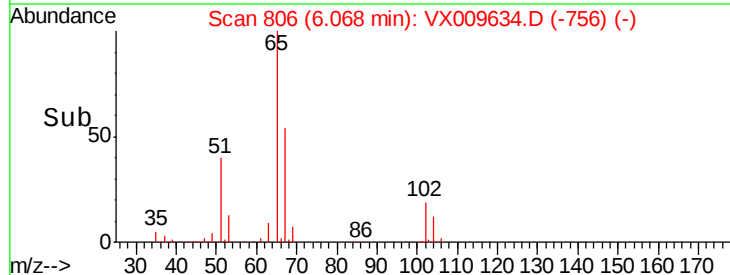
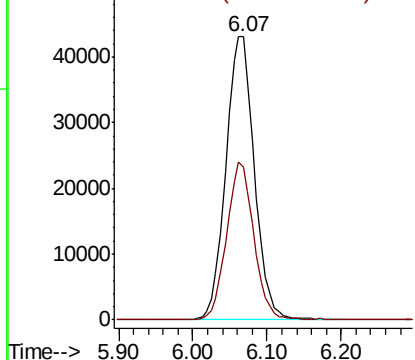


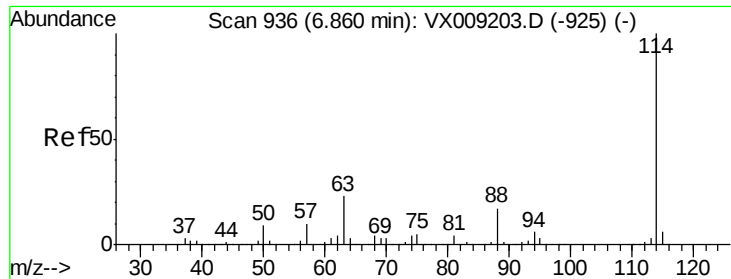
#33
1,2-Dichloroethane-d4
Concen: 49.273 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009634.D
Acq: 17 May 2019 02:30

Tgt Ion: 65 Resp: 115089
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

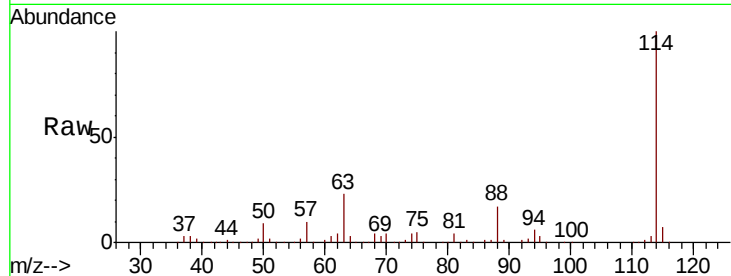




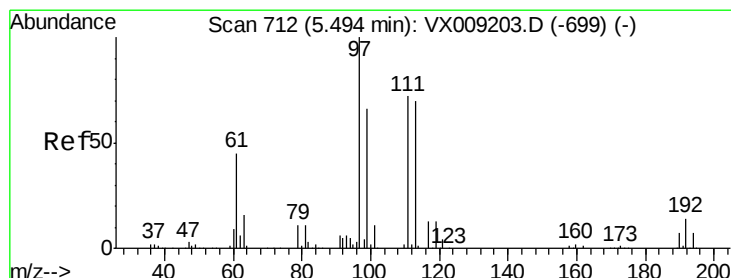
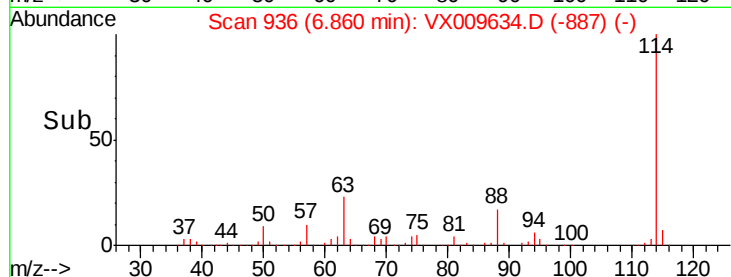
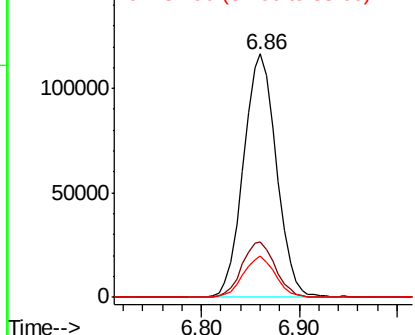
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Instrument :
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 SS052MW733-190515

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	17.0	0.0	33.2

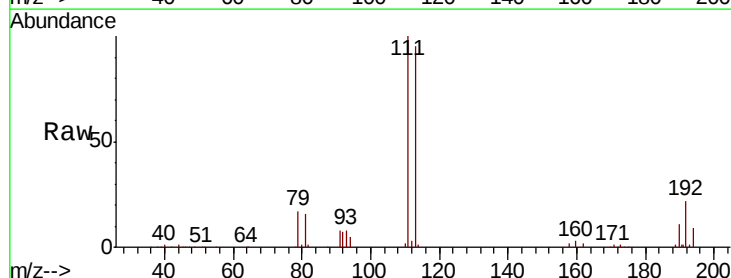


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

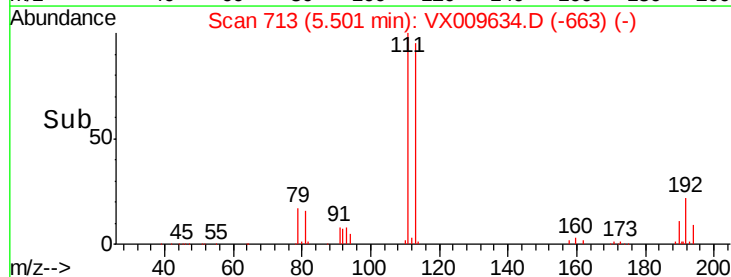
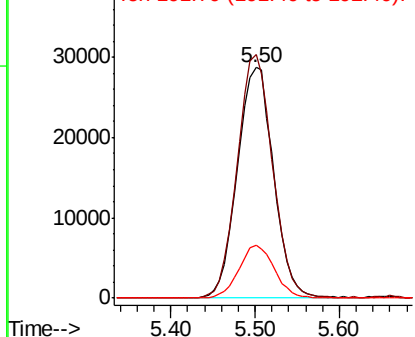


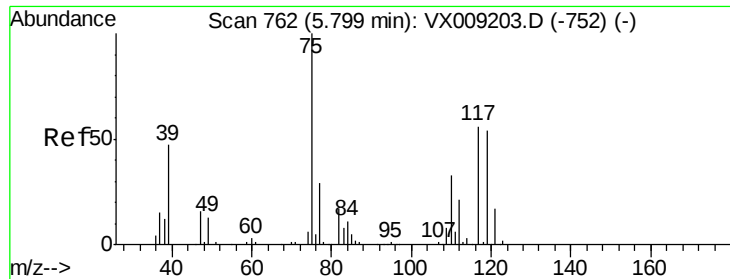
#35
 Dibromofluoromethane
 Concen: 48.828 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	22.5	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

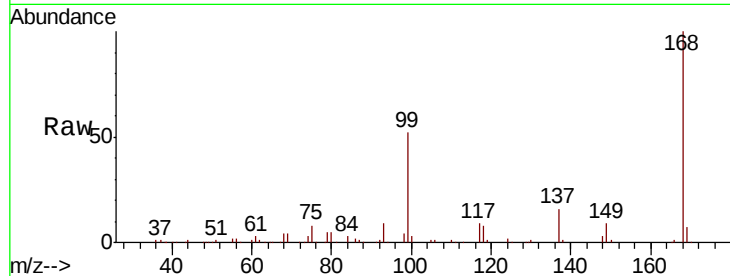




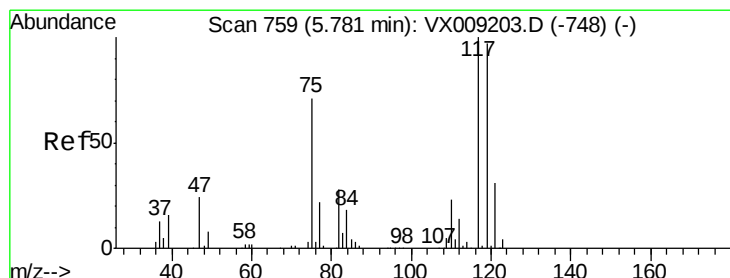
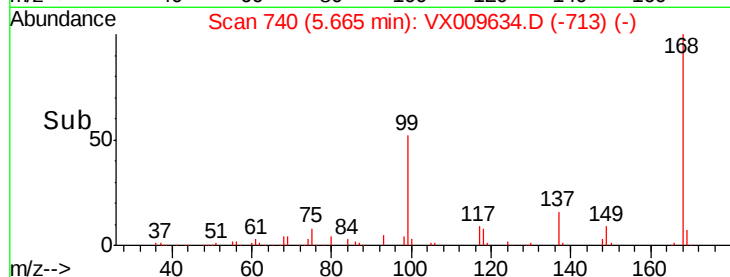
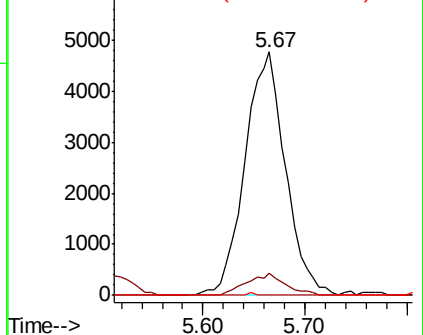
#36
 1,1-Dichloropropene
 Concen: 5.197 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW733-190515

Tot Ion	75	Resp	13152
Ion Ratio	Lower	Upper	
75	100		
110	8.8	16.9	50.6#
77	0.2	24.8	37.2#

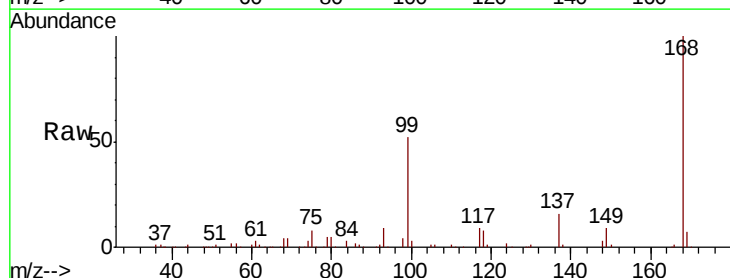


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

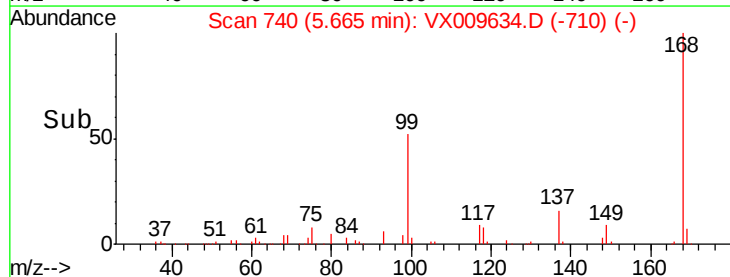
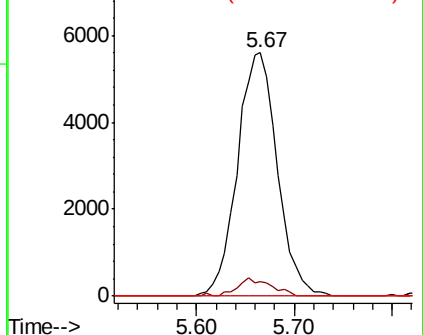


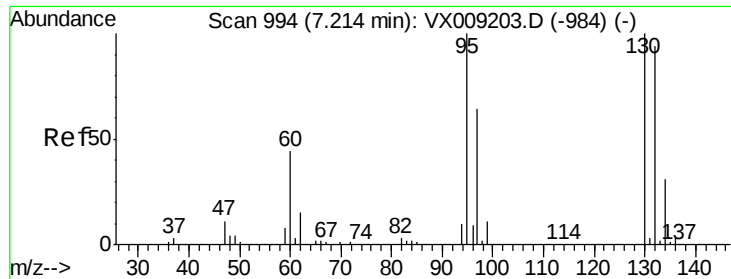
#38
 Carbon Tetrachloride
 Concen: 6.891 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Tgt Ion	117	Resp	15845
Ion Ratio	Lower	Upper	
117	100		
119	5.9	77.5	116.3#
121	0.0	24.7	37.1#



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

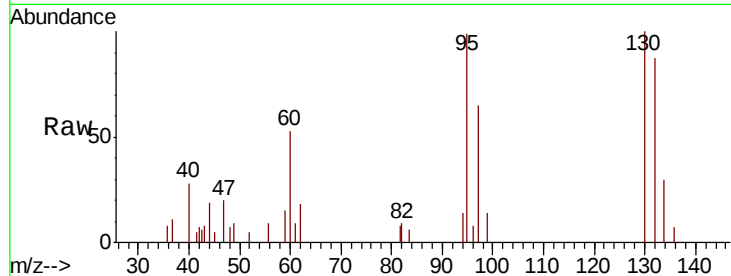




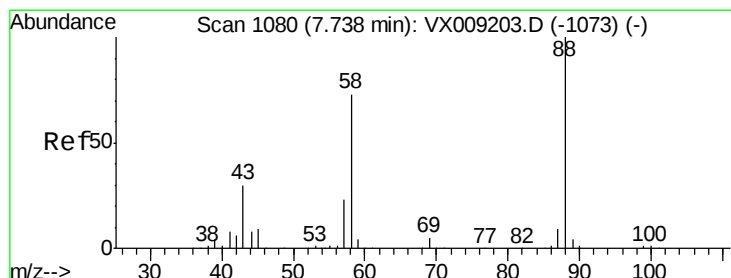
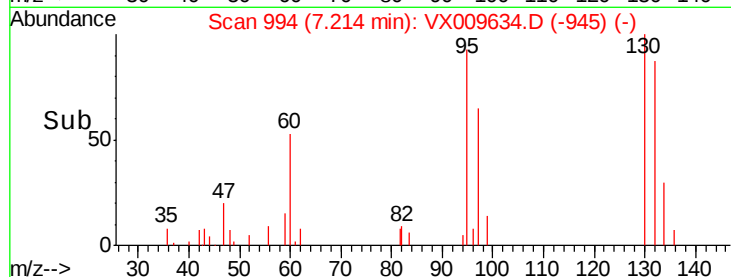
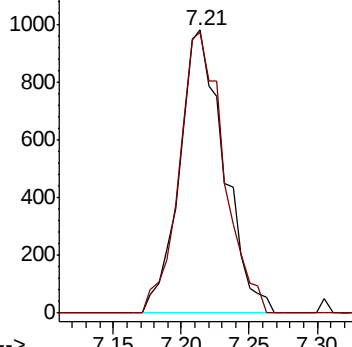
#44
 Trichloroethene
 Concen: 1.187 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW733-190515

Tot Ion:130 Resp: 2248
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 199.2

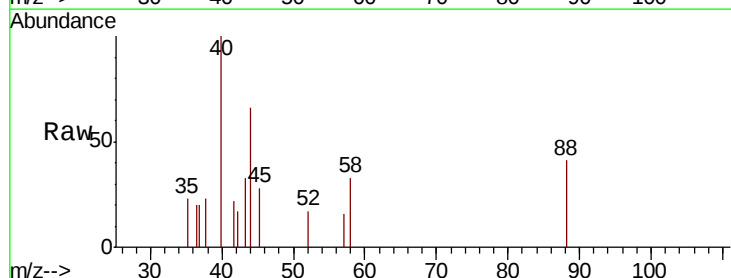


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

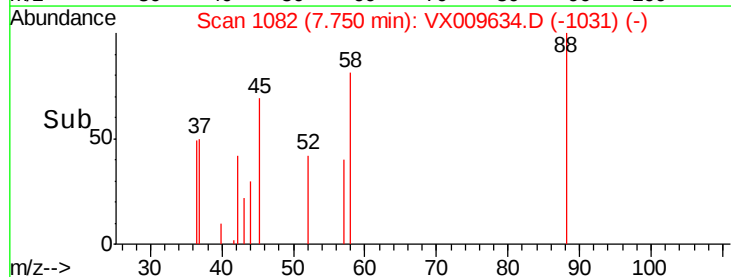
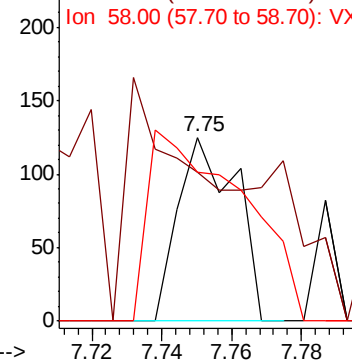


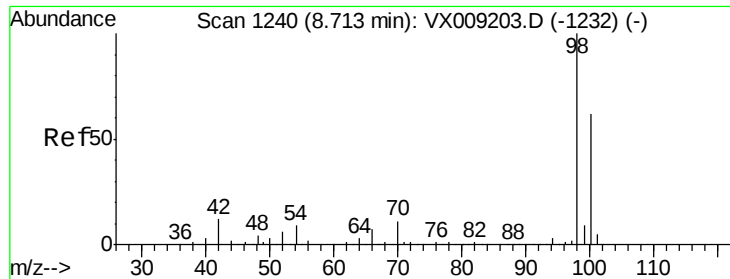
#49
 1,4-Dioxane
 Concen: 2.520 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Tgt Ion: 88 Resp: 143
 Ion Ratio Lower Upper
 88 100
 43 149.7 28.6 42.8#
 58 169.2 61.7 92.5#



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: 49.467 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009634.D

Acq: 17 May 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

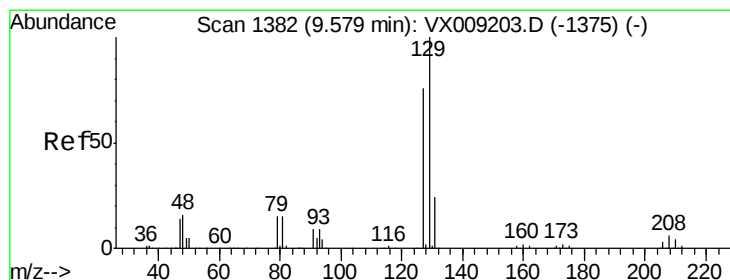
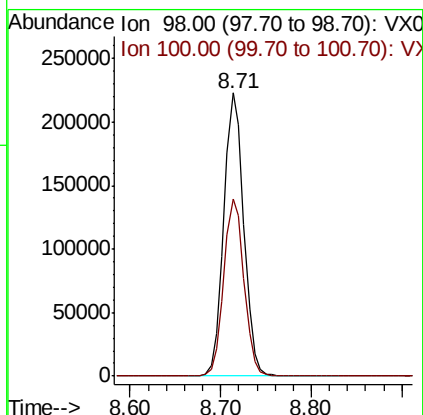
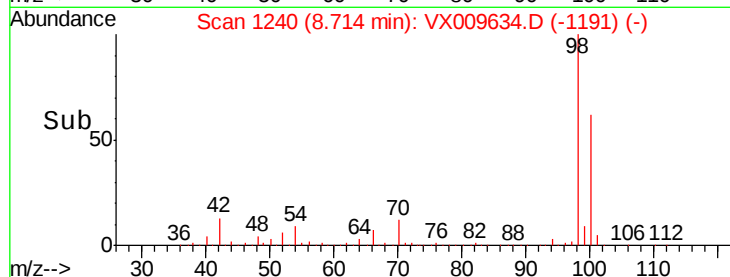
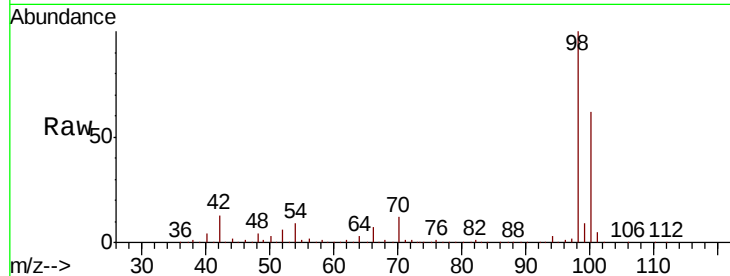
SS052MW733-190515

Tot Ion: 98 Resp: 341889

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



#60

Dibromochloromethane

Concen: 6.545 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009634.D

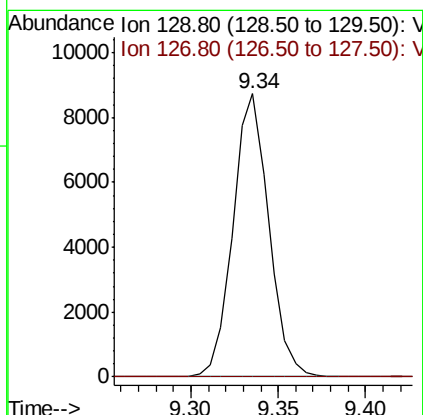
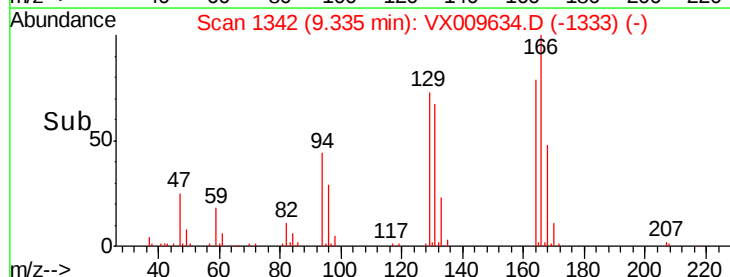
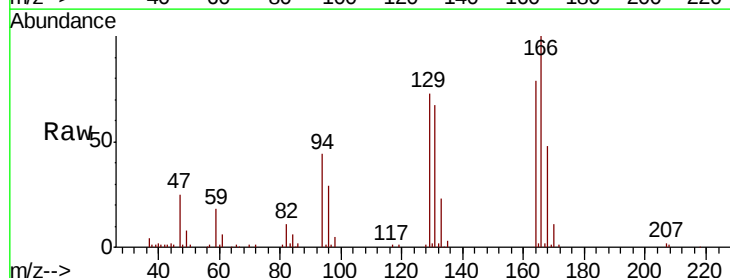
Acq: 17 May 2019 02:30

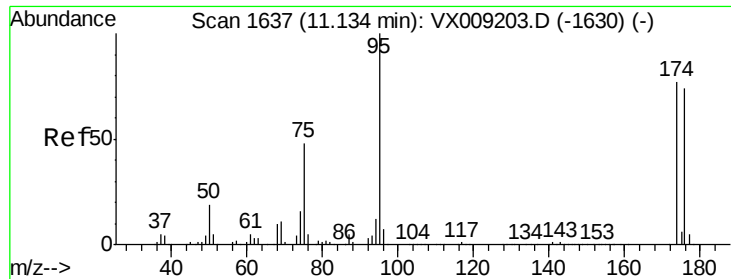
Tgt Ion: 129 Resp: 12417

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 44.431 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009634.D

Acq: 17 May 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-190515

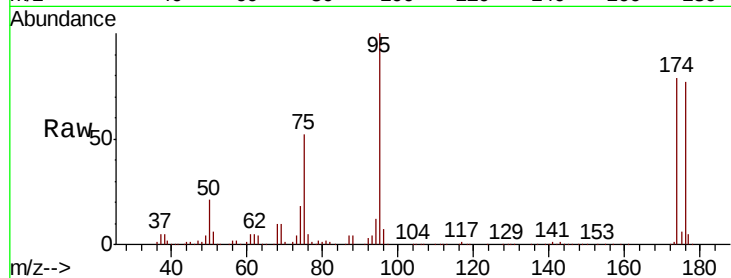
Tot Ion: 95 Resp: 111583

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

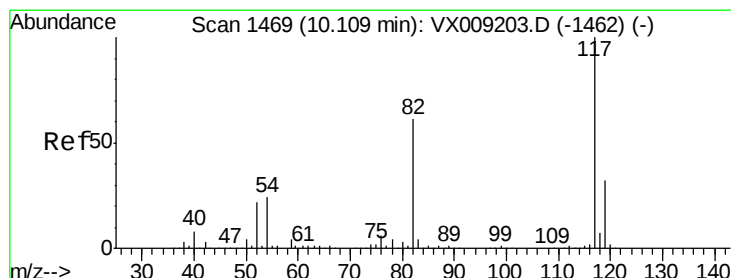
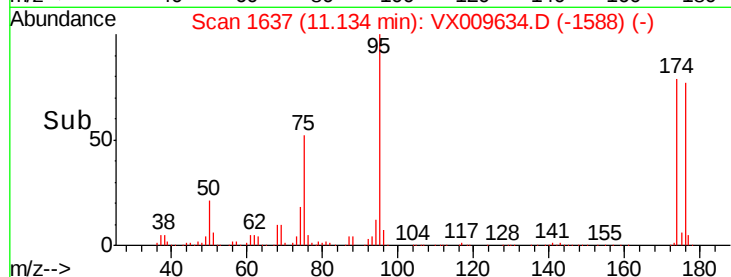
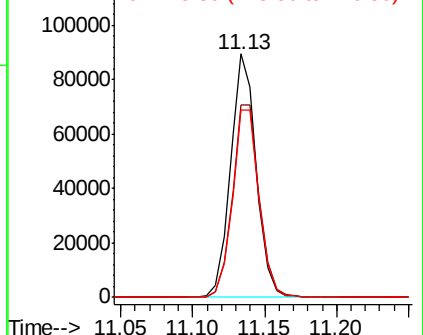
176 79.8 0.0 159.2



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009634.D

Acq: 17 May 2019 02:30

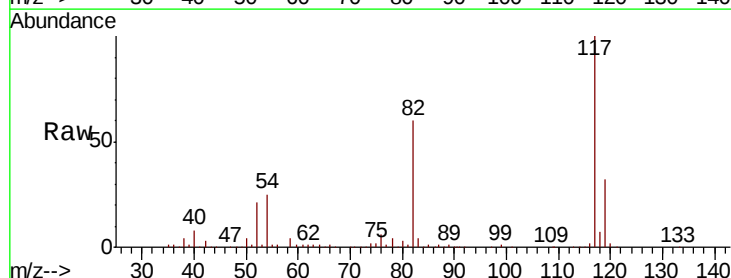
Tgt Ion: 117 Resp: 238802

Ion Ratio Lower Upper

117 100

82 59.7 48.8 73.2

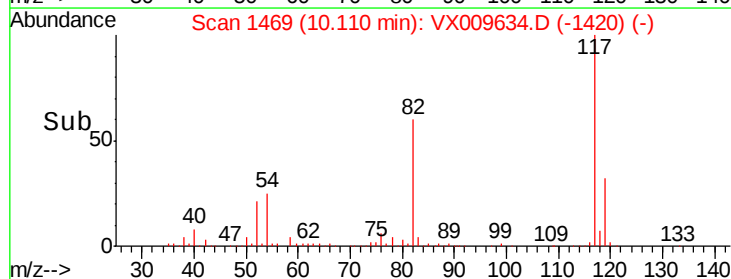
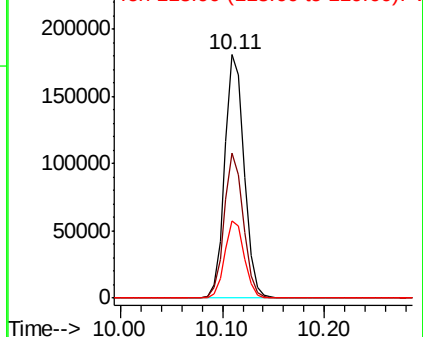
119 31.9 25.8 38.6

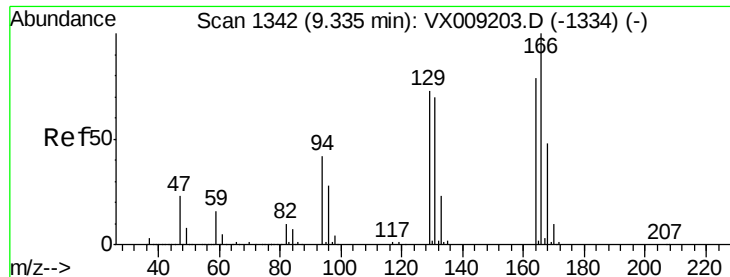


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

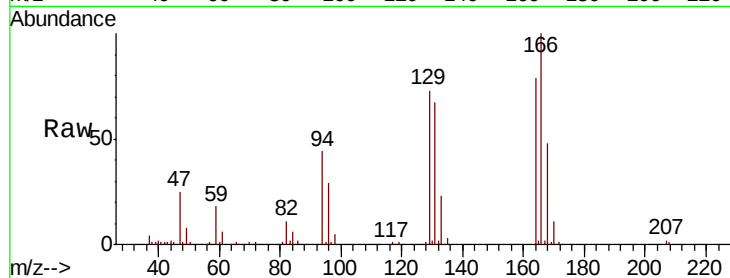




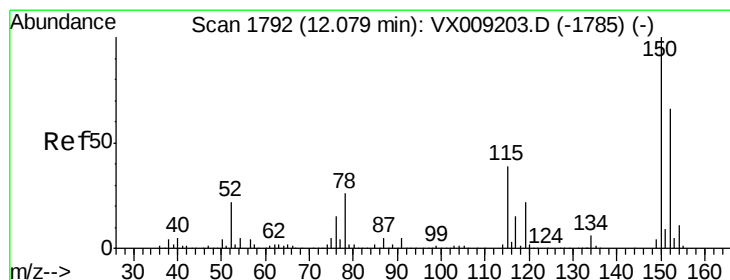
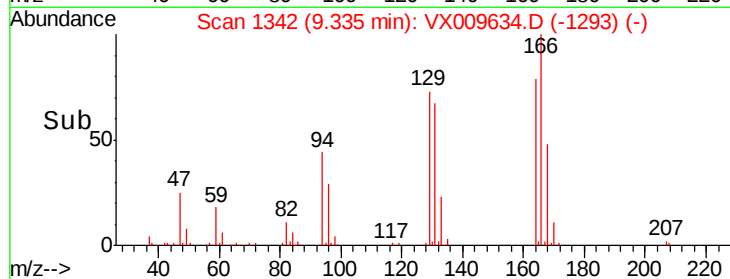
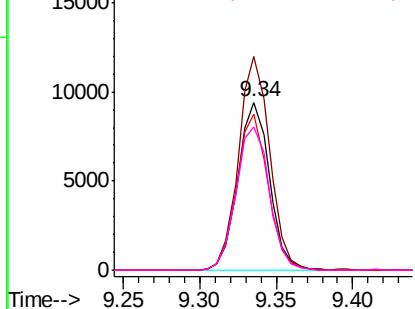
#64
Tetrachloroethene
Concen: 8.282 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009634.D
Acq: 17 May 2019 02:30

Instrument :
MSVOA_X
ClientSampleId :
SS052MW733-190515

Tot Ion:164 Resp: 13567
Ion Ratio Lower Upper
164 100
166 127.1 101.2 151.8
129 92.7 74.3 111.5
131 85.5 71.0 106.6

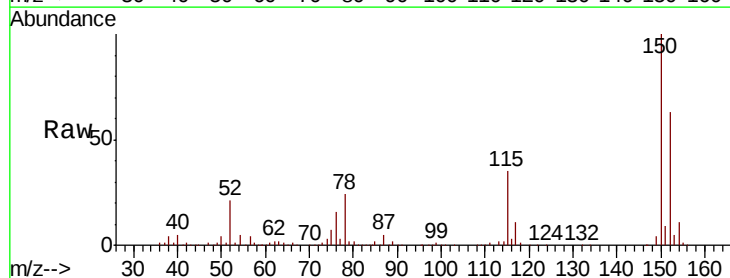


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

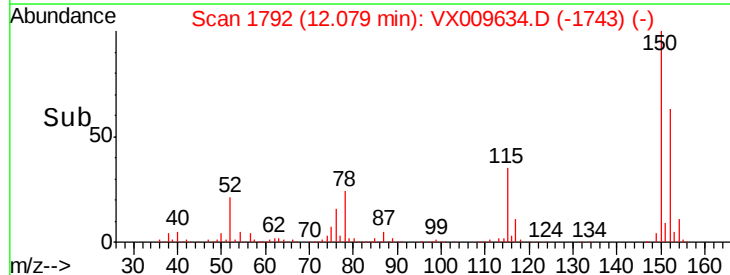
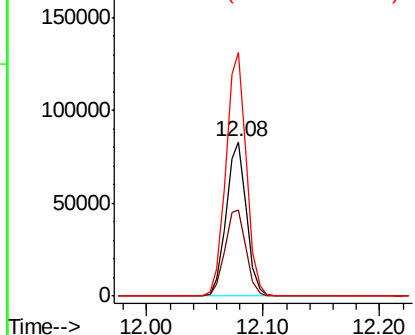


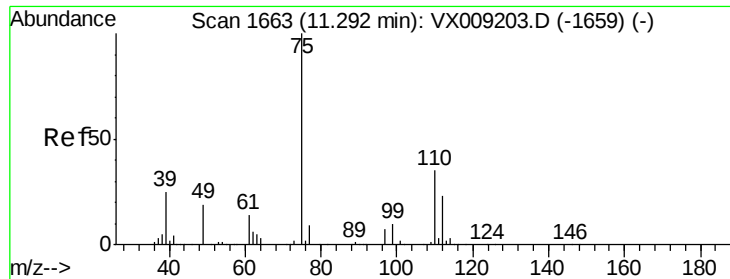
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009634.D
Acq: 17 May 2019 02:30

Tgt Ion:152 Resp: 99474
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 159.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

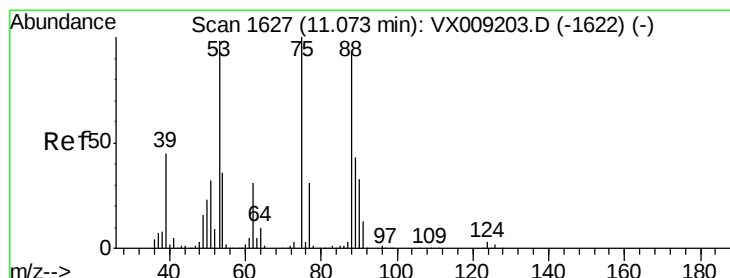
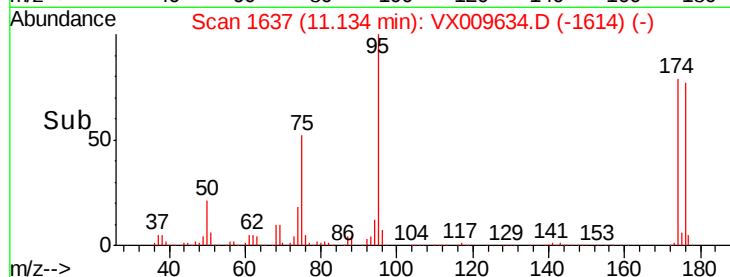
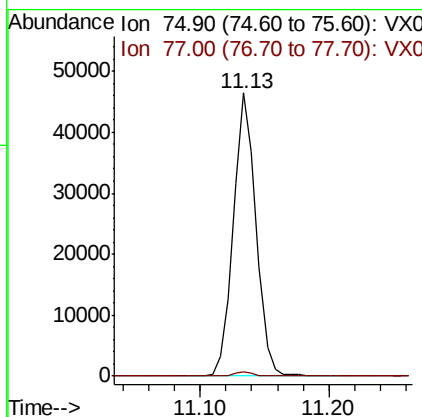
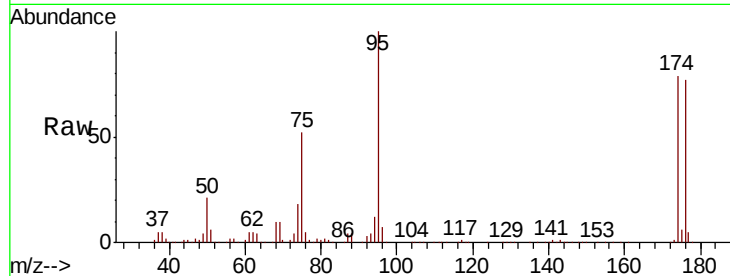




#76
 1,2,3-Trichloropropane
 Concen: 24.705 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW733-190515

Tot Ion: 75 Resp: 57006
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.212 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009634.D
 Acq: 17 May 2019 02:30

Tgt Ion: 75 Resp: 57006
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

