

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009286.D
 Acq On : 02 May 2019 20:22
 Operator : JC/SP
 Sample : K2659-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW638-190429

Quant Time: May 03 02:45:23 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	185768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299060	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	258877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108753	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	124427	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	5.50	113	91169	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	372363	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	122555	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

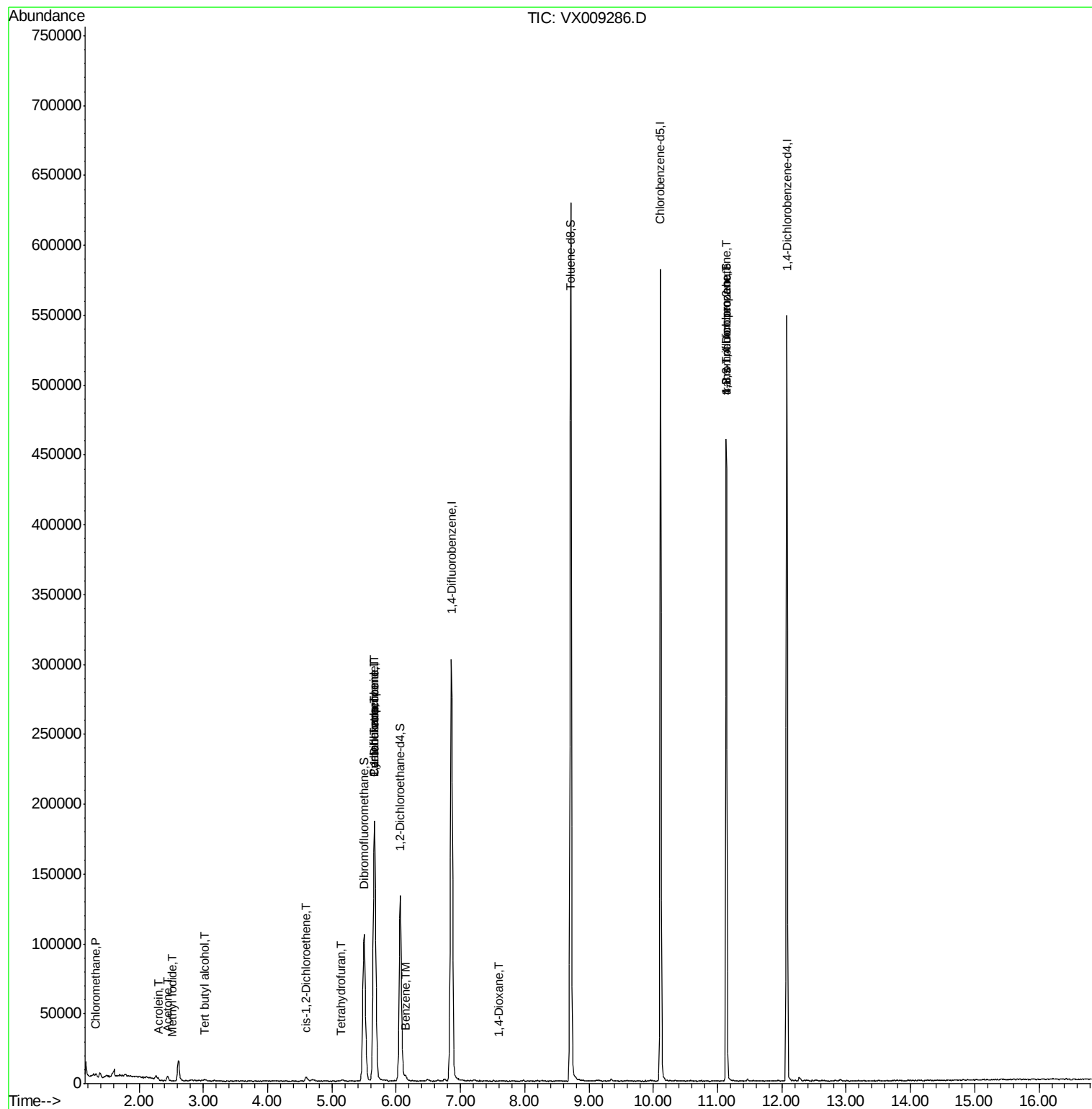
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1464	0.626	ug/l	95
10) Methyl Iodide	2.52	142	121	4.648	ug/l #	42
11) Tert butyl alcohol	3.02	59	1017	1.733	ug/l #	73
13) Acrolein	2.31	56	153	0.288	ug/l #	14
16) Acetone	2.45	43	4001	2.938	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	1737	0.770	ug/l	92
28) Bromochloromethane	4.99	49	39	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	328	0.241	ug/l #	76
31) Cyclohexane	5.66	56	4273	1.140	ug/l #	9
36) 1,1-Dichloropropene	5.66	75	14675	5.280	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17239	6.827	ug/l #	15
40) Benzene	6.14	78	3534	0.411	ug/l	100
49) 1,4-Dioxane	7.60	88	21	0.337	ug/l #	70
76) 1,2,3-Trichloropropane	11.13	75	62436	24.750	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62436	63.326	ug/l #	10

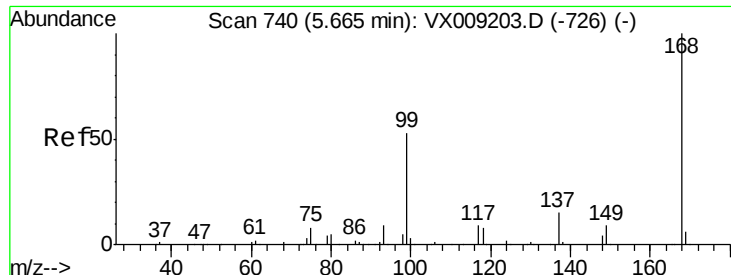
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

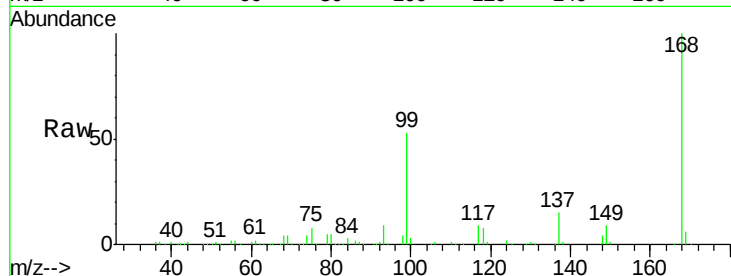
SS050MW638-190429

Tot Ion:168 Resp: 185768

Ion Ratio Lower Upper

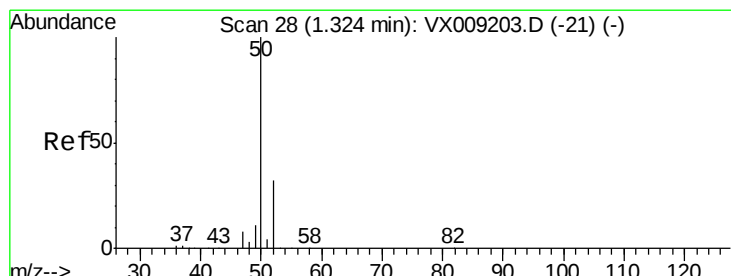
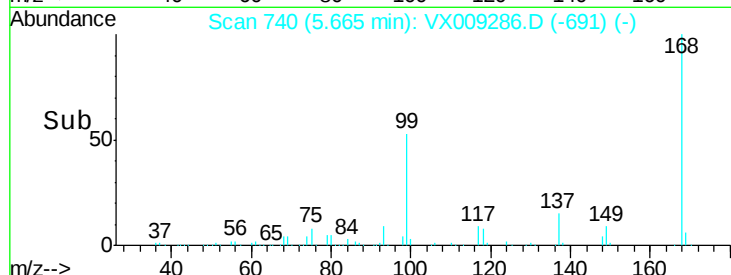
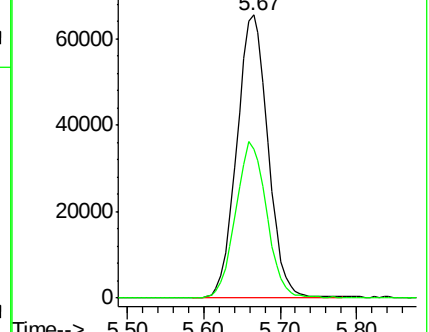
168 100

99 52.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.626 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009286.D

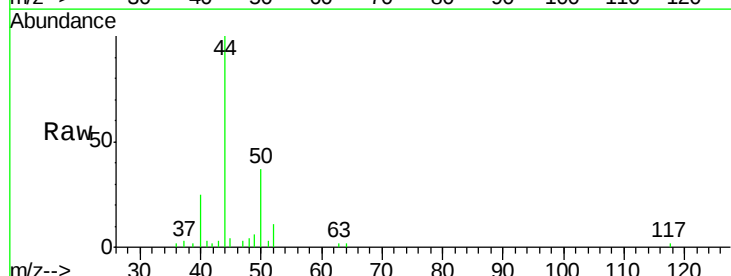
Acq: 02 May 2019 20:22

Tgt Ion: 50 Resp: 1464

Ion Ratio Lower Upper

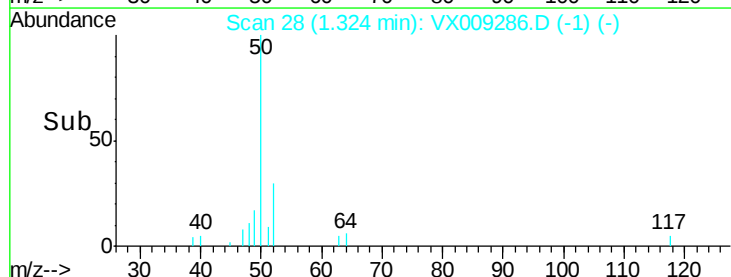
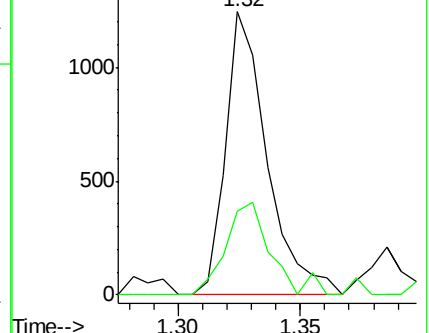
50 100

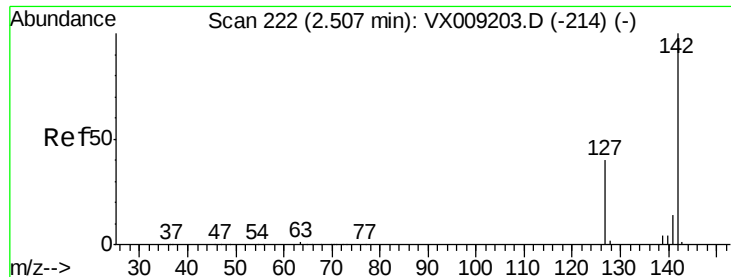
52 29.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

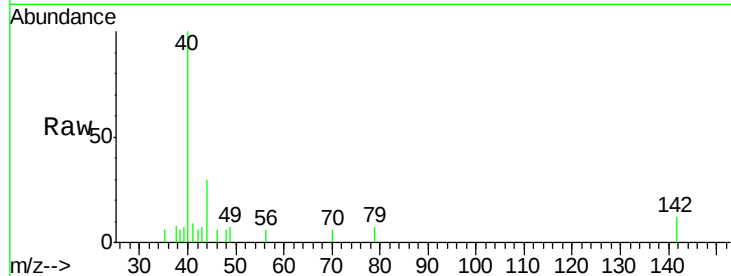




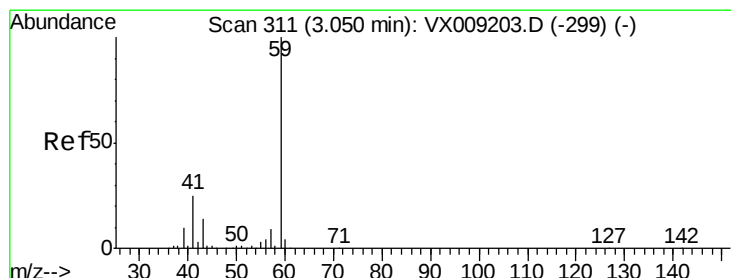
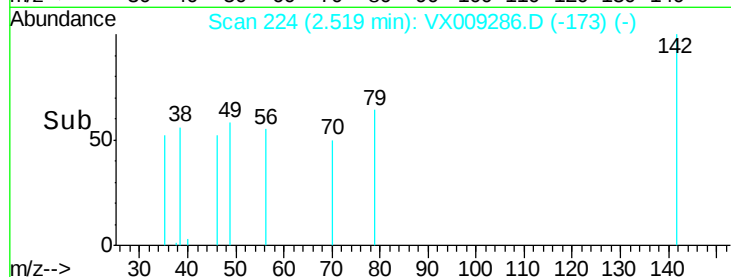
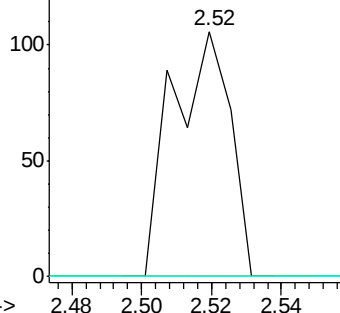
#10
Methvl Iodide
Concen: 4.648 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009286.D
Acq: 02 May 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
SS050MW638-190429

Tot Ion:142 Resp: 121
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

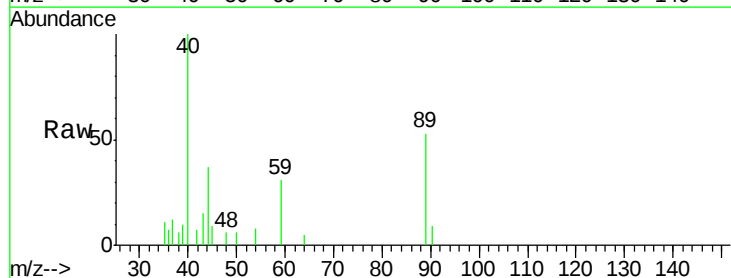


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

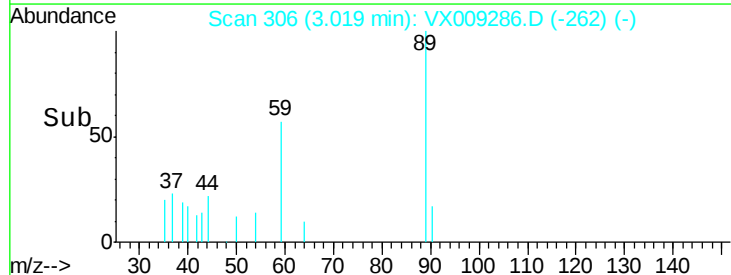
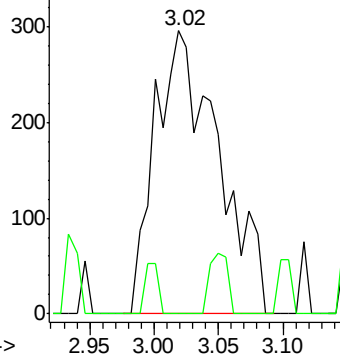


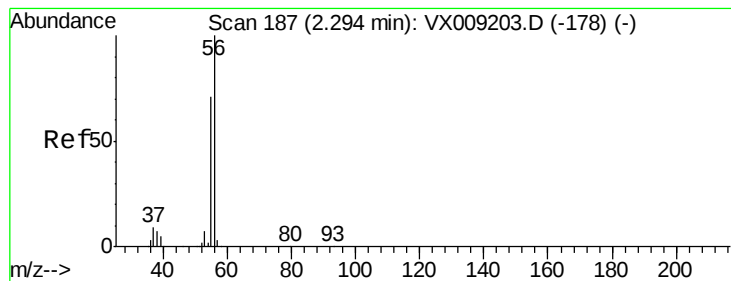
#11
Tert butyl alcohol
Concen: 1.733 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009286.D
Acq: 02 May 2019 20:22

Tgt Ion: 59 Resp: 1017
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.288 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

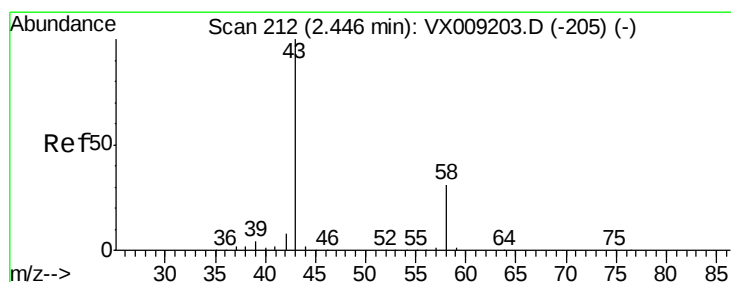
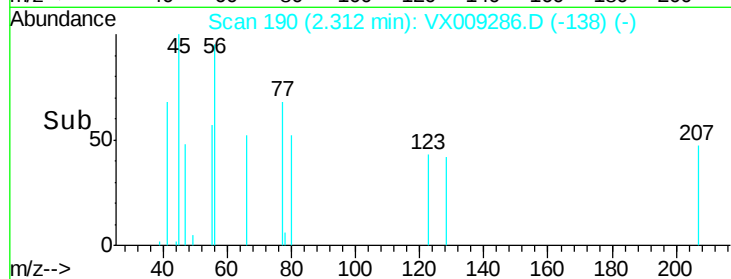
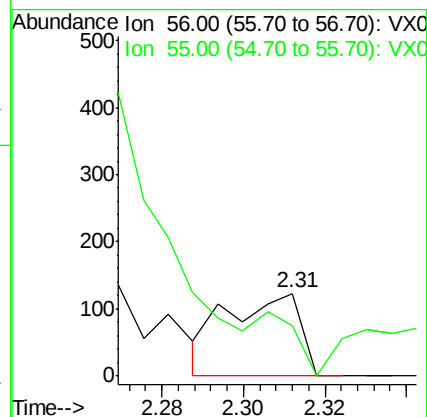
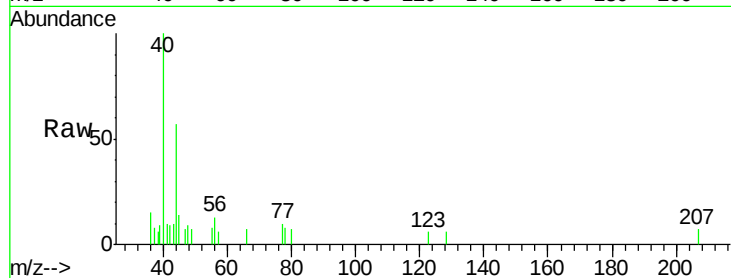
SS050MW638-190429

Tot Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



#16

Acetone

Concen: 2.938 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009286.D

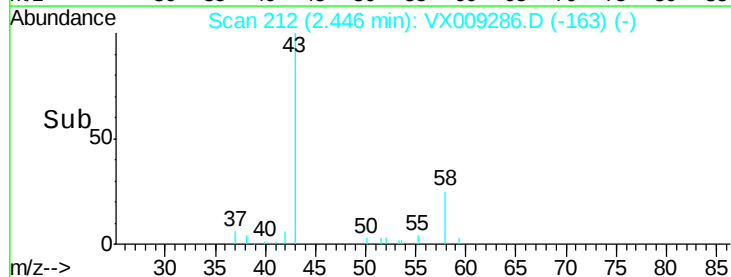
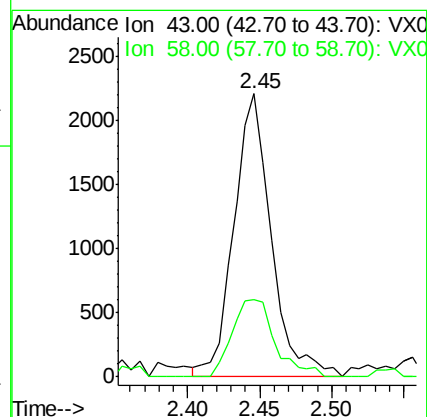
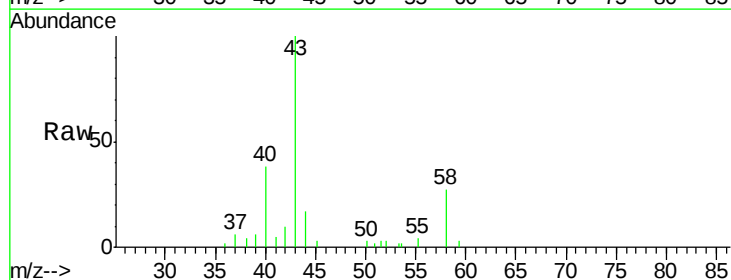
Acq: 02 May 2019 20:22

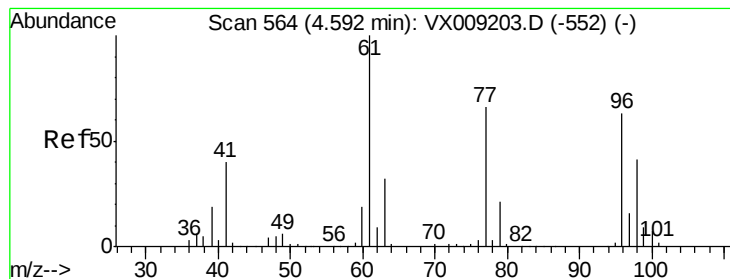
Tgt Ion: 43 Resp: 4001

Ion Ratio Lower Upper

43 100

58 27.2 24.9 37.3



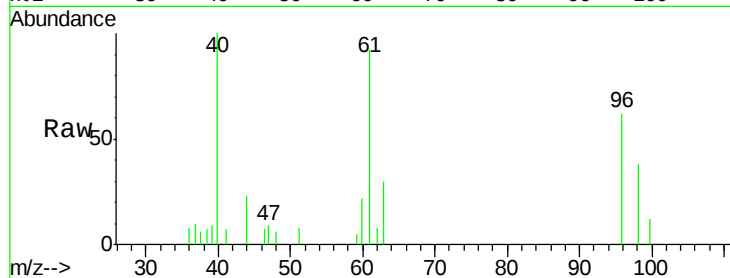


#27

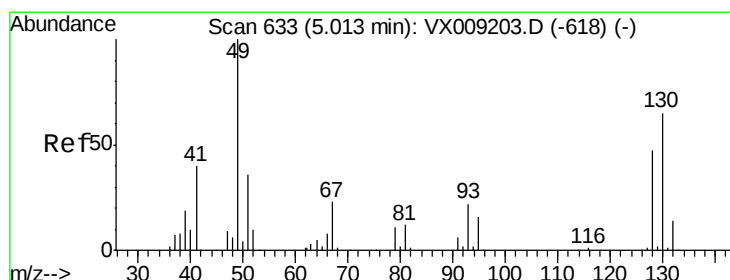
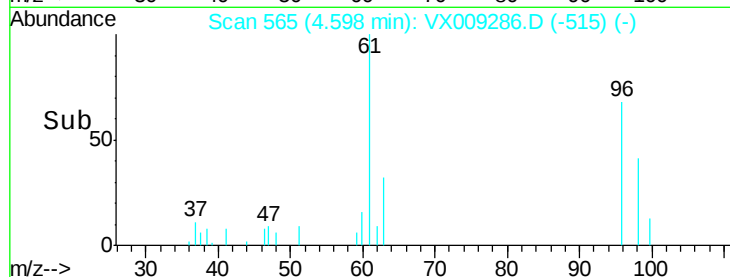
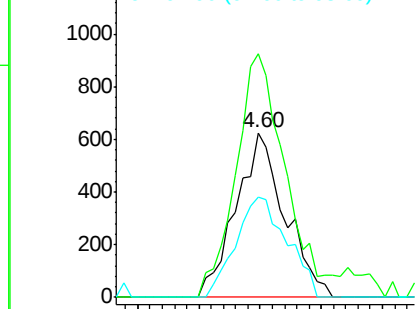
cis-1,2-Dichloroethene
Concen: 0.770 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009286.D
Acq: 02 May 2019 20:22

Instrument :
MSVOA_X
ClientSampleId :
SS050MW638-190429

Tot Ion: 96 Resp: 1737
Ion Ratio Lower Upper
96 100
61 148.9 0.0 324.0
98 63.8 0.0 130.4



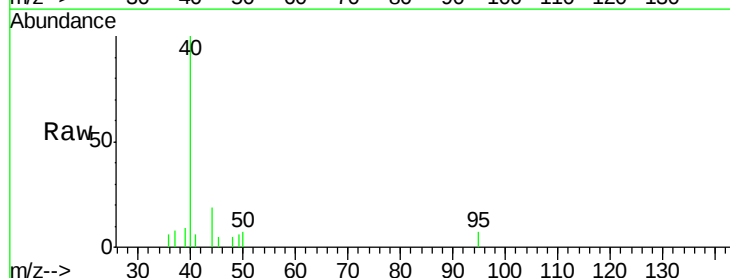
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



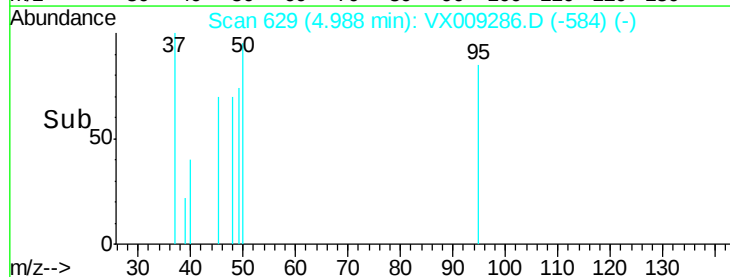
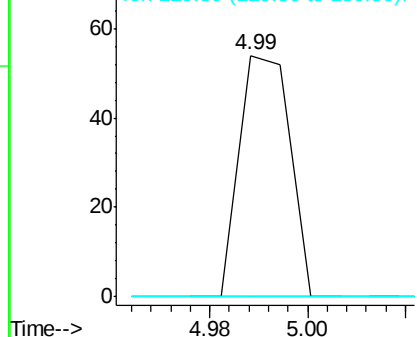
#28

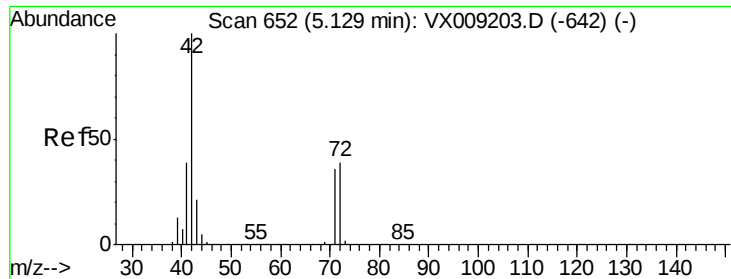
Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 629
Delta R.T. -0.02 min
Lab File: VX009286.D
Acq: 02 May 2019 20:22

Tgt Ion: 49 Resp: 39
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





#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-190429

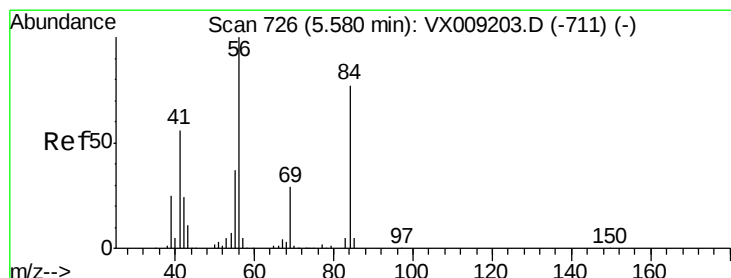
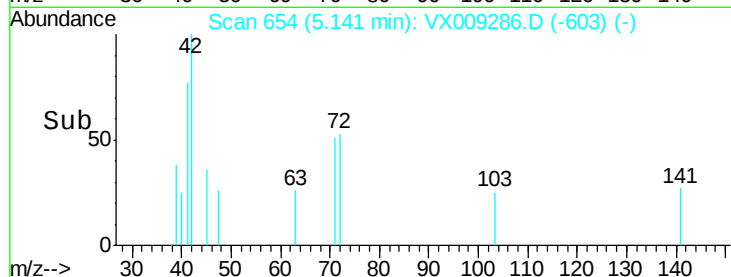
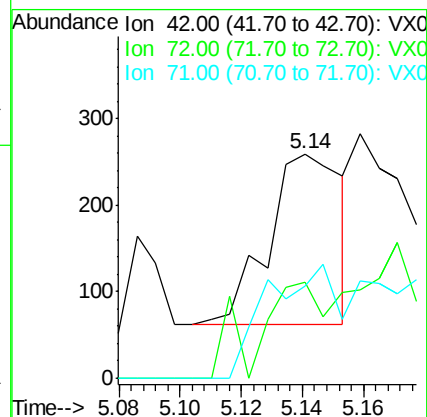
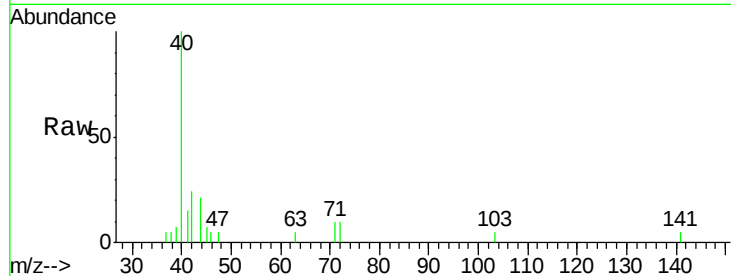
Tot Ion: 42 Resp: 328

Ion Ratio Lower Upper

42 100

72 39.3 30.4 45.6

71 63.4 28.6 43.0#



#31

Cyclohexane

Concen: 1.140 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

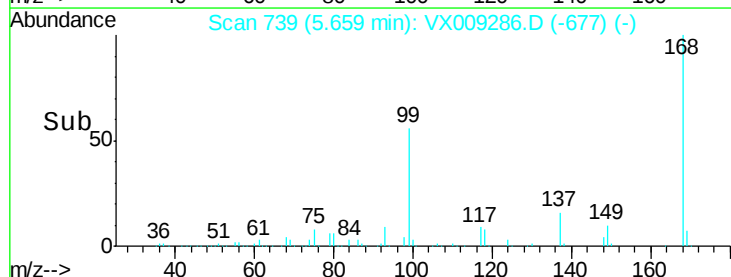
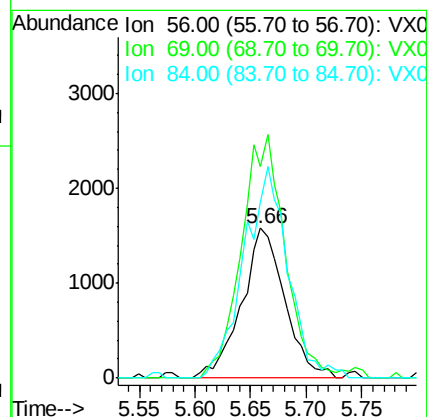
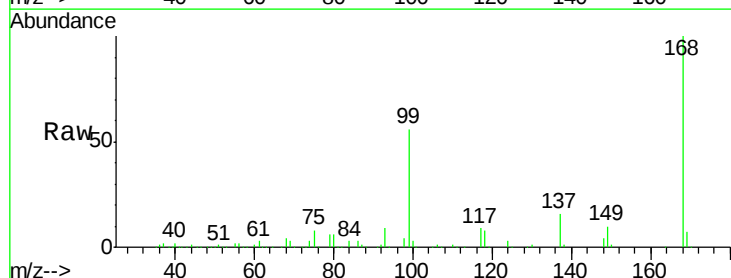
Tgt Ion: 56 Resp: 4273

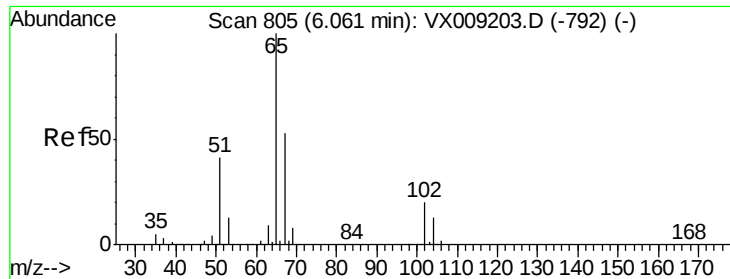
Ion Ratio Lower Upper

56 100

69 141.6 23.4 35.0#

84 117.8 61.9 92.9#

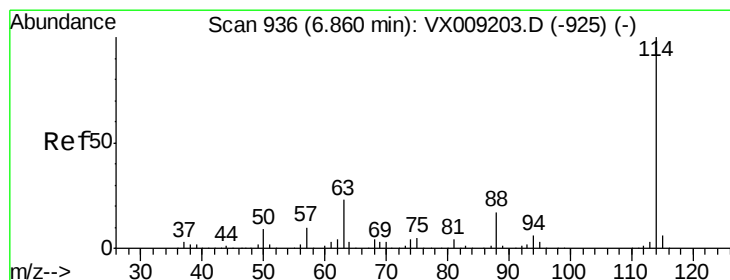
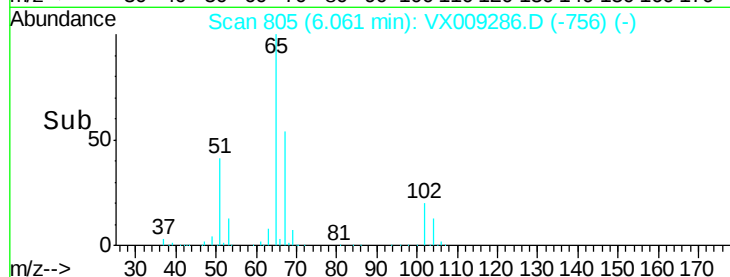
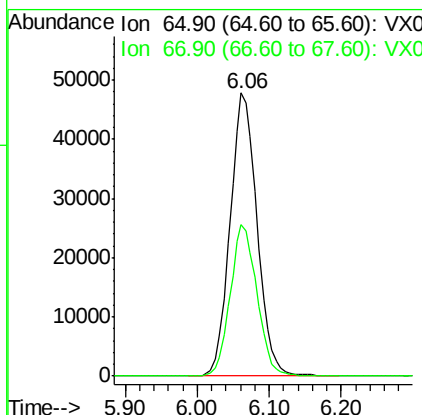
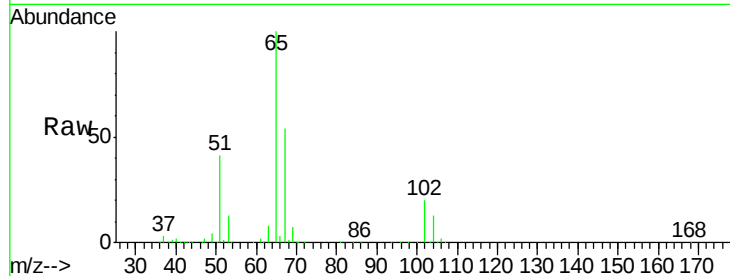




#33
 1,2-Dichloroethane-d4
 Concen: 49.065 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009286.D
 Acq: 02 May 2019 20:22

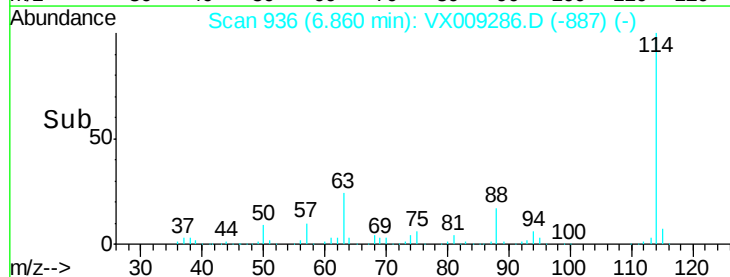
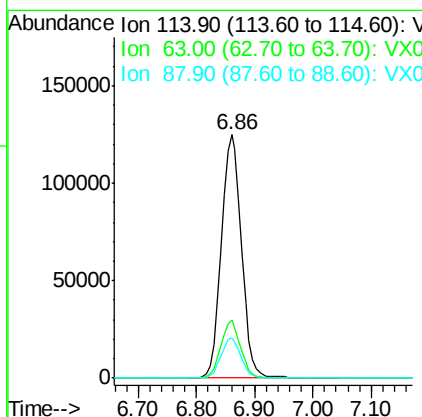
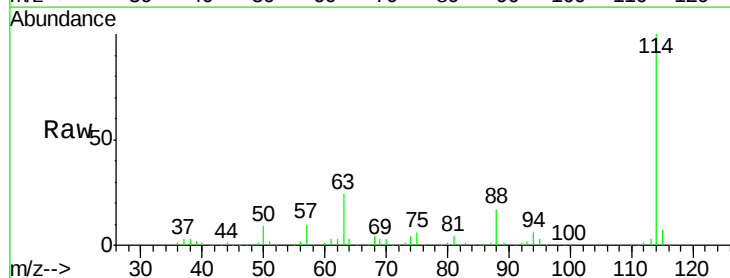
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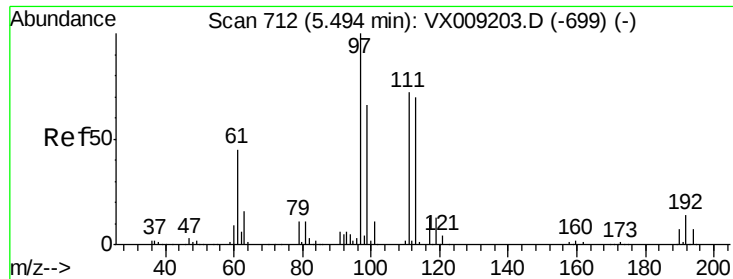
Tot Ion: 65 Resp: 124427
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009286.D
 Acq: 02 May 2019 20:22

Tgt Ion: 114 Resp: 299060
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.5 0.0 33.2

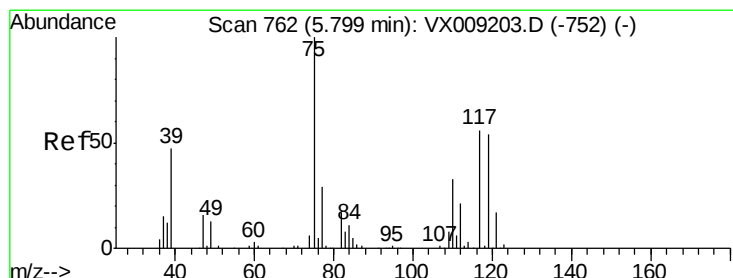
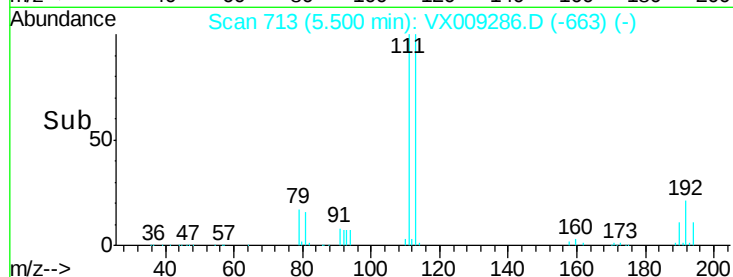
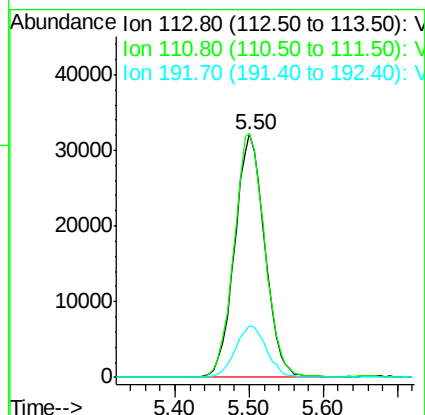
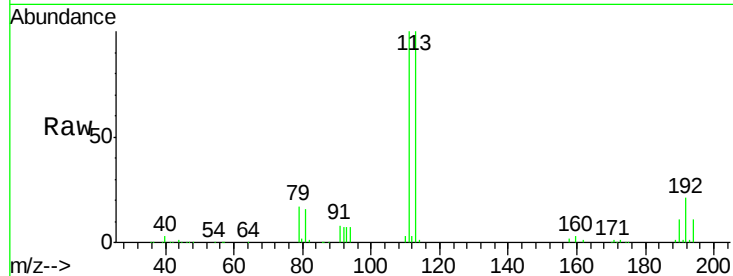




#35
 Dibromofluoromethane
 Concen: 48.494 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009286.D
 Acq: 02 May 2019 20:22

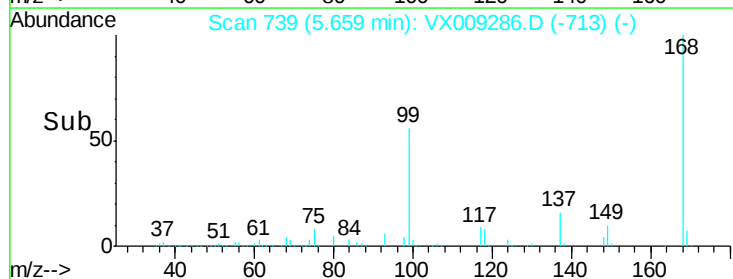
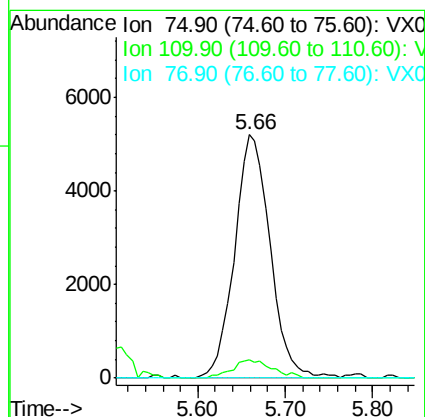
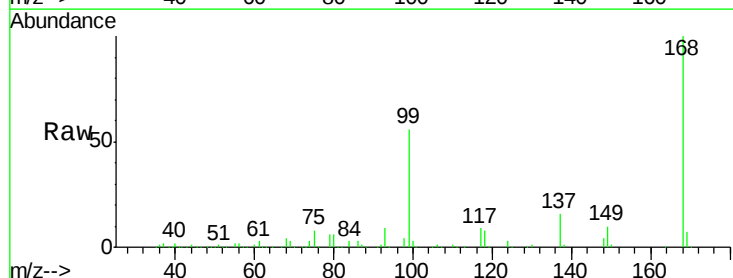
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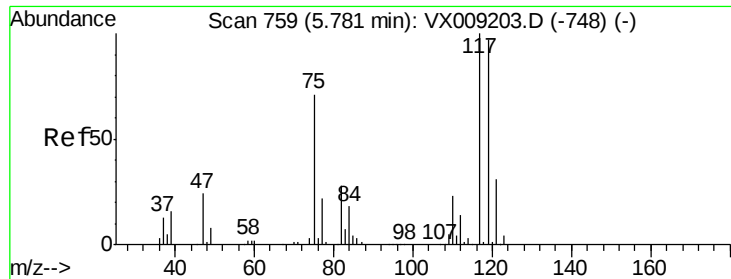
Tot Ion:113 Resp: 91169
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.280 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009286.D
 Acq: 02 May 2019 20:22

Tgt Ion: 75 Resp: 14675
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.827 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-190429

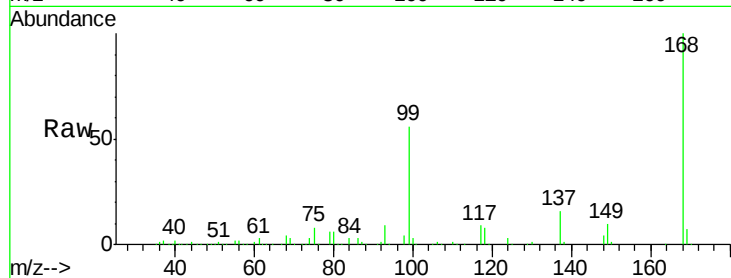
Tot Ion:117 Resp: 17239

Ion Ratio Lower Upper

117 100

119 4.1 77.5 116.3#

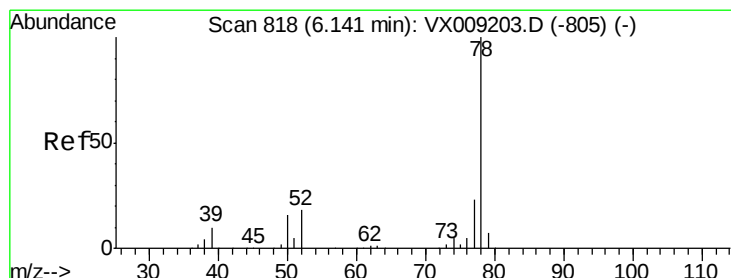
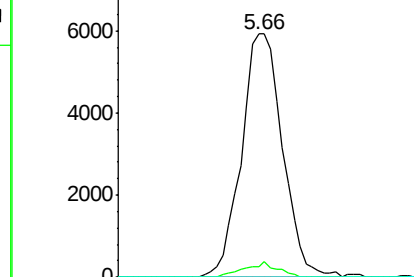
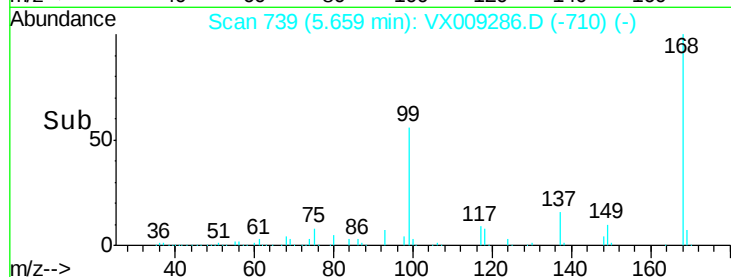
121 0.0 24.7 37.1#



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



#40

Benzene

Concen: 0.411 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009286.D

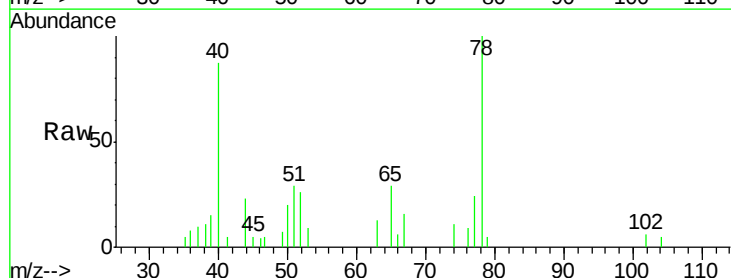
Acq: 02 May 2019 20:22

Tgt Ion: 78 Resp: 3534

Ion Ratio Lower Upper

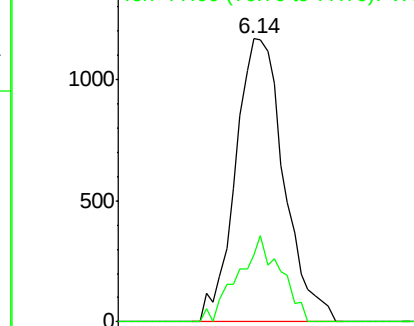
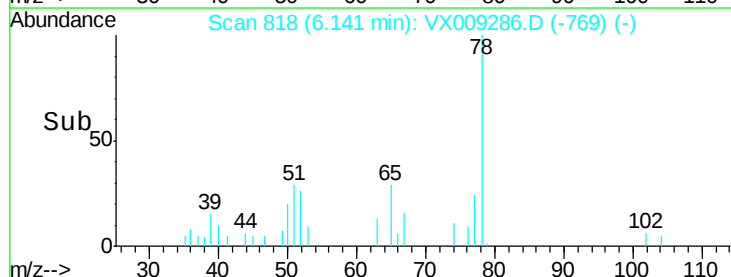
78 100

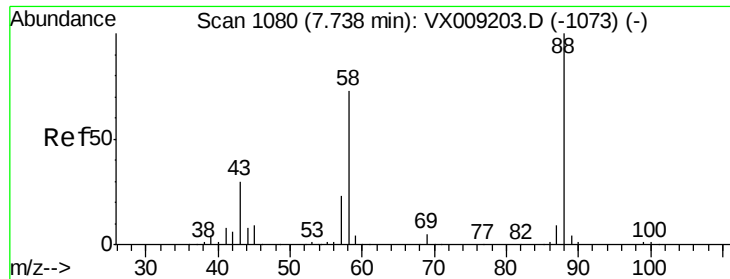
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 0.337 ug/l

RT: 7.60 min Scan# 1057

Delta R.T. -0.14 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

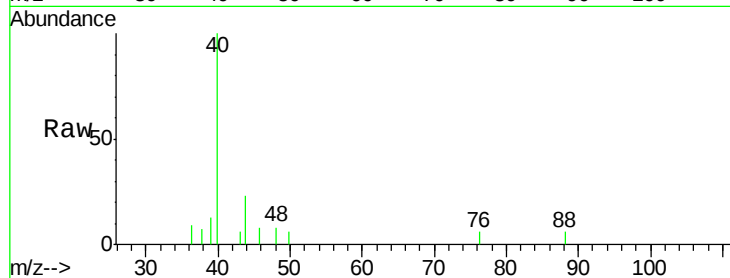
MSVOA_X

ClientSampleId :

SS050MW638-190429

Tot Ion: 88 Resp: 21

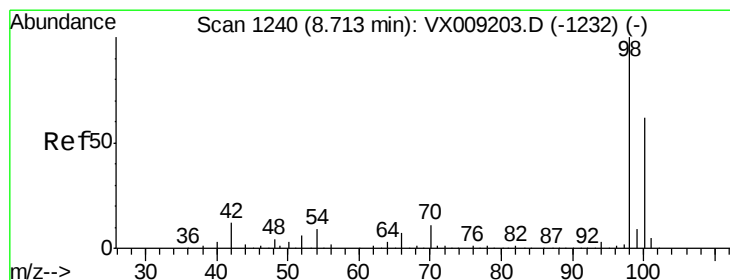
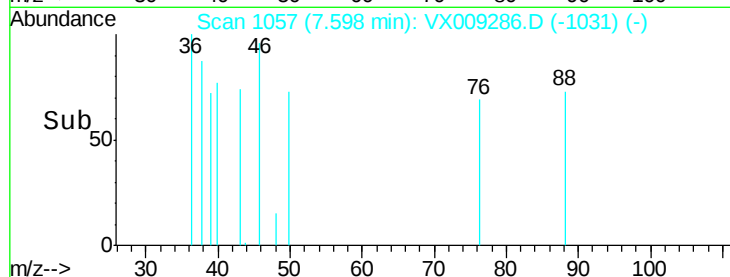
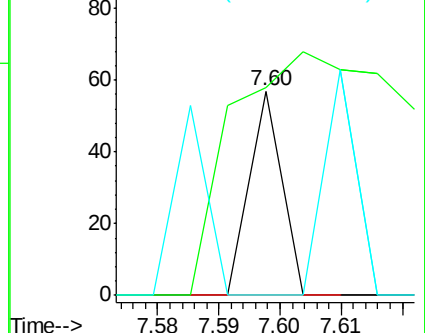
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.6	42.8#
58	90.5	61.7	92.5



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: 49.059 ug/l

RT: 8.71 min Scan# 1240

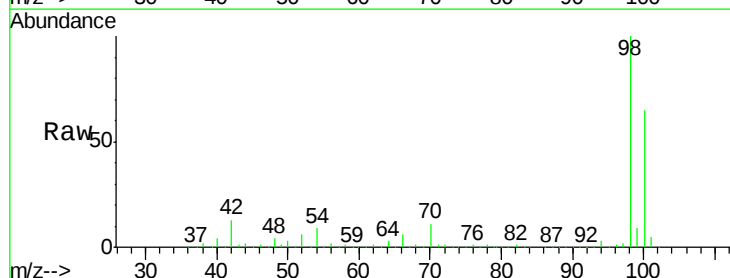
Delta R.T. -0.00 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

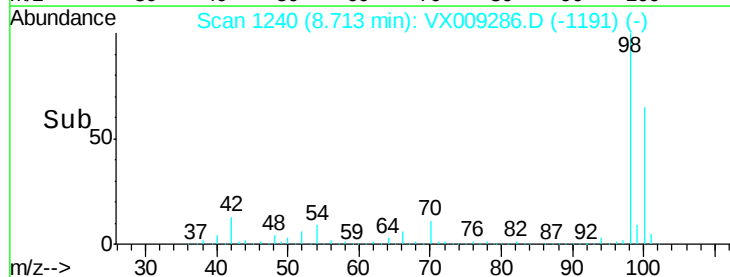
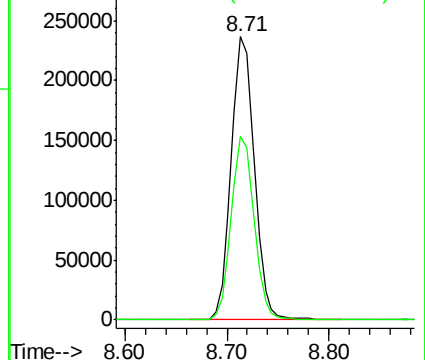
Tgt Ion: 98 Resp: 372363

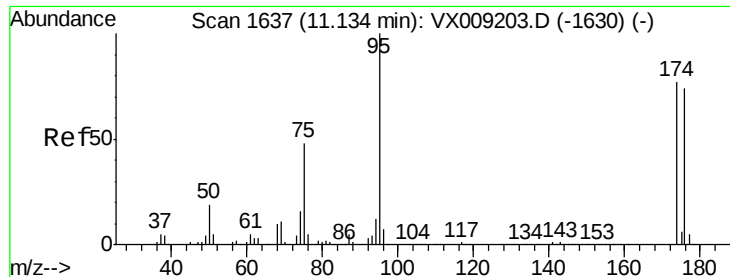
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.437 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-190429

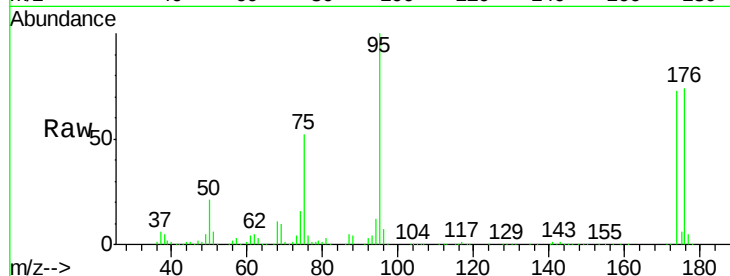
Tot Ion: 95 Resp: 122555

Ion Ratio Lower Upper

95 100

174 80.7 0.0 161.6

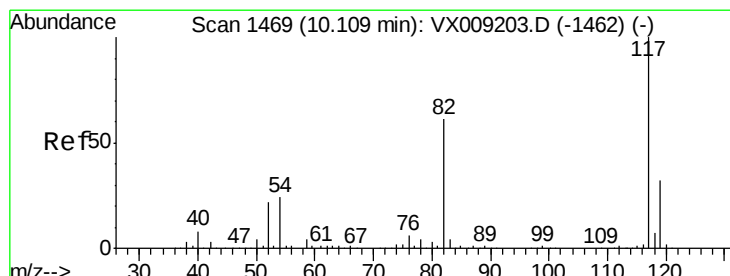
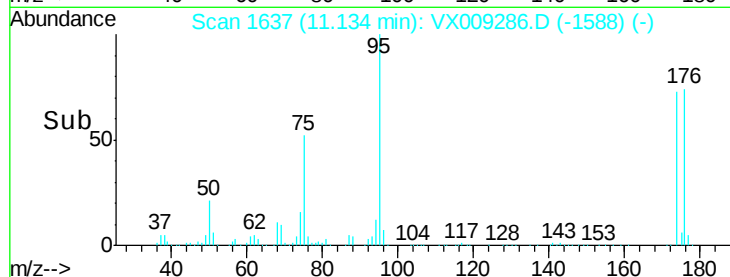
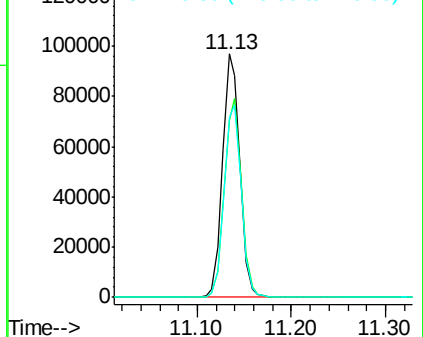
176 79.2 0.0 159.2



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: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

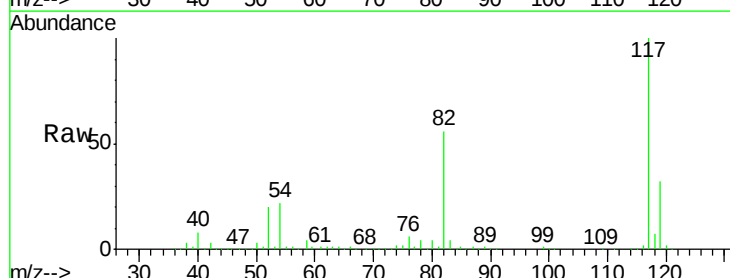
Tgt Ion: 117 Resp: 258877

Ion Ratio Lower Upper

117 100

82 56.0 48.8 73.2

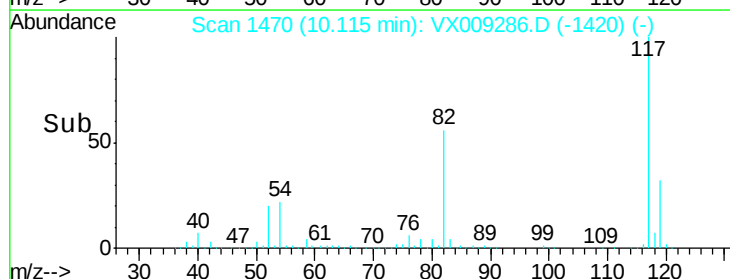
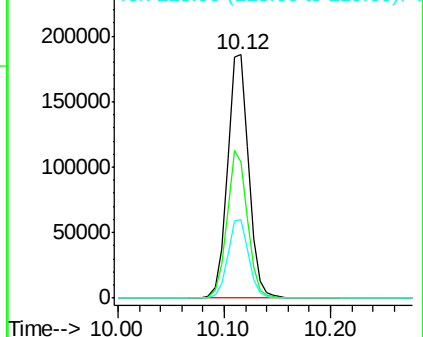
119 32.1 25.8 38.6

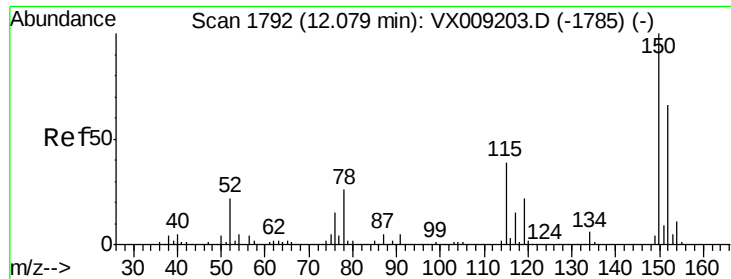


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-190429

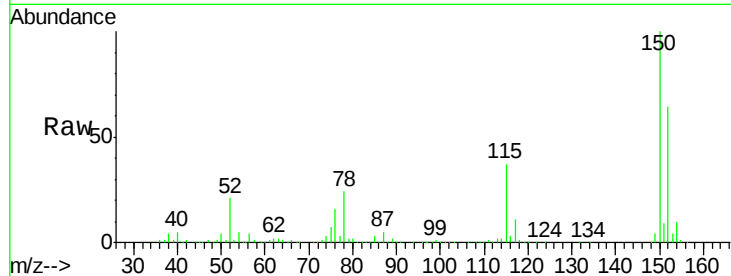
Tot Ion:152 Resp: 108753

Ion Ratio Lower Upper

152 100

115 59.2 41.2 123.6

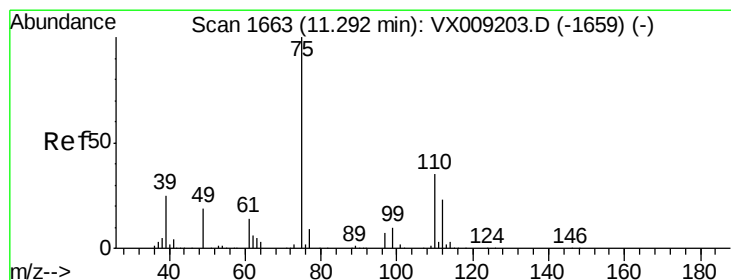
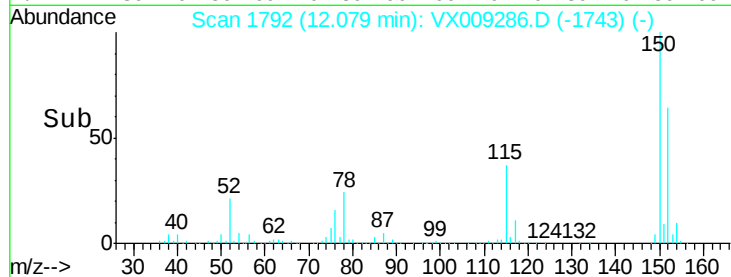
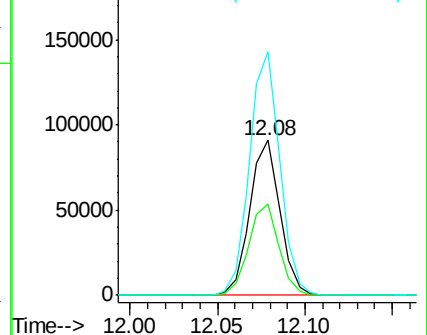
150 158.4 0.0 346.4



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: 24.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009286.D

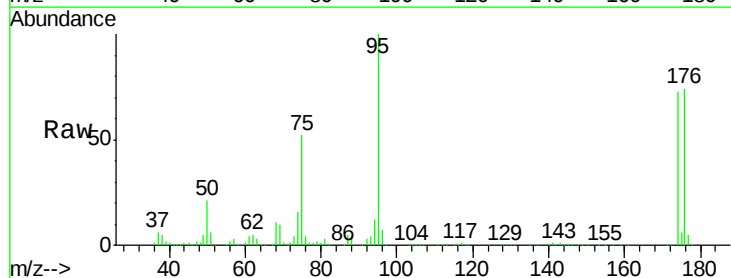
Acq: 02 May 2019 20:22

Tgt Ion: 75 Resp: 62436

Ion Ratio Lower Upper

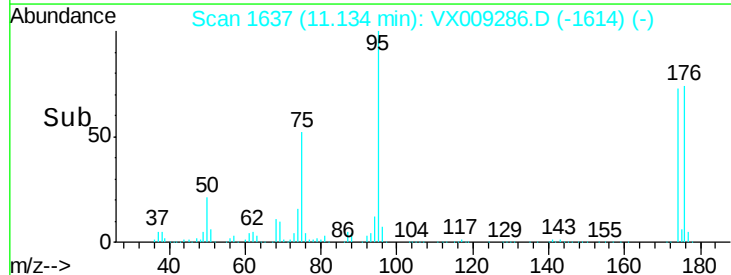
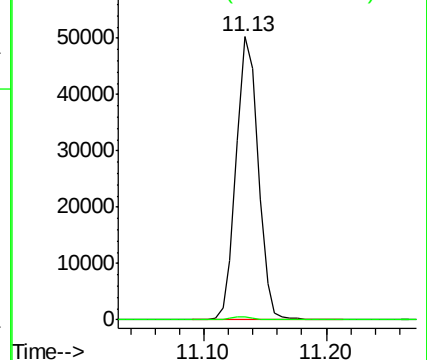
75 100

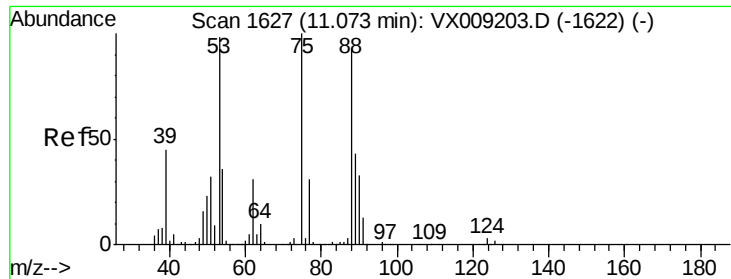
77 1.2 22.1 66.1#



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: 63.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009286.D

Acq: 02 May 2019 20:22

Instrument :

MSVOA_X

ClientSampleId :

SS050MW638-190429

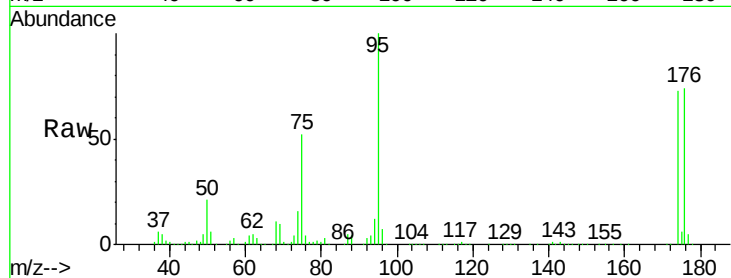
Tot Ion: 75 Resp: 62436

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



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

