

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX042919\
 Data File : VX009215.D
 Acq On : 29 Apr 2019 18:19
 Operator : JC/SP
 Sample : K2594-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW011-190423

Quant Time: Apr 30 07:18:58 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	212691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337417	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125129	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	138252	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	5.49	113	102916	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	426102	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	139955	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

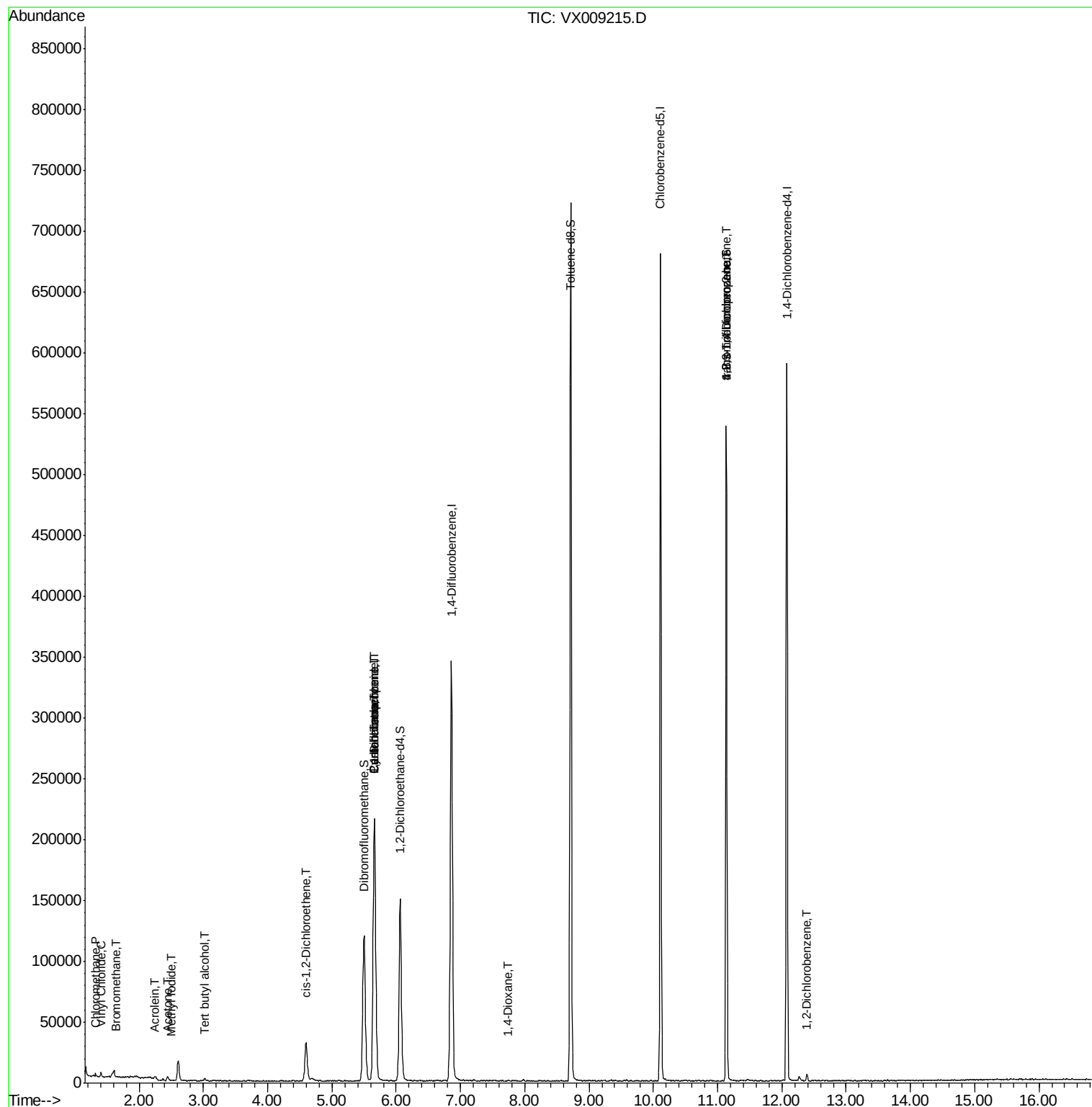
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1928	0.721	ug/l	90
4) Vinyl Chloride	1.40	62	3329	1.276	ug/l	94
5) Bromomethane	1.64	94	368	0.235	ug/l #	64
10) Methyl Iodide	2.51	142	176	4.663	ug/l #	82
11) Tert butyl alcohol	3.02	59	1201	1.787	ug/l #	73
13) Acrolein	2.25	56	254	0.417	ug/l	90
16) Acetone	2.45	43	4014	2.575	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	19758	7.648	ug/l	89
28) Bromochloromethane	5.02	49	48	Below Cal	#	20
31) Cyclohexane	5.67	56	4659	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16444	5.244	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19917	6.991	ug/l #	16
49) 1,4-Dioxane	7.74	88	22	0.313	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71638	24.681	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71638	63.150	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	1755	0.428	ug/l	91

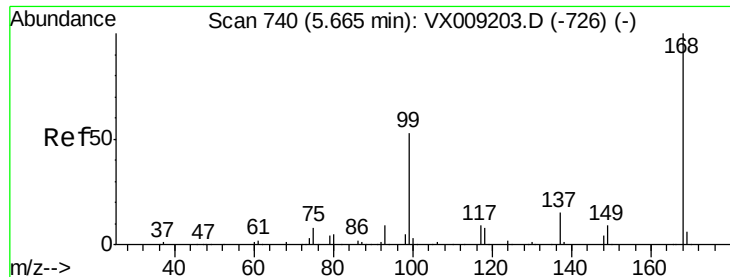
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
Data File : VX009215.D
Acq On : 29 Apr 2019 18:19
Operator : JC/SP
Sample : K2594-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP021MW011-190423

Quant Time: Apr 30 07:18:58 2019
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: VX009215.D

Acq: 29 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

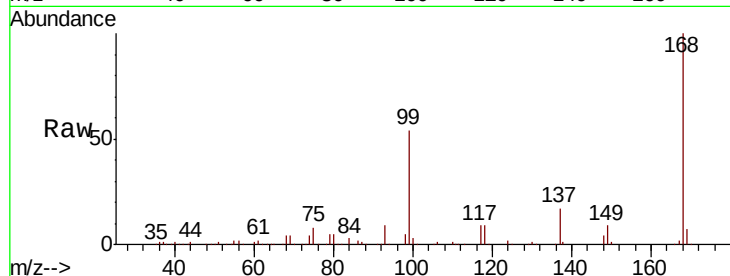
WP021MW011-190423

Tgt Ion:168 Resp: 212691

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

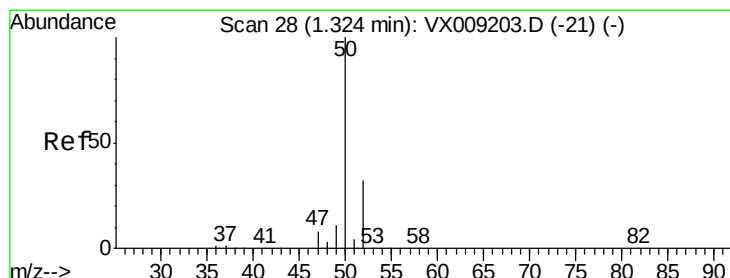
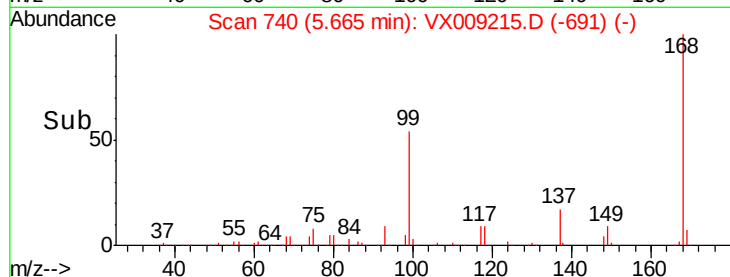
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.721 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009215.D

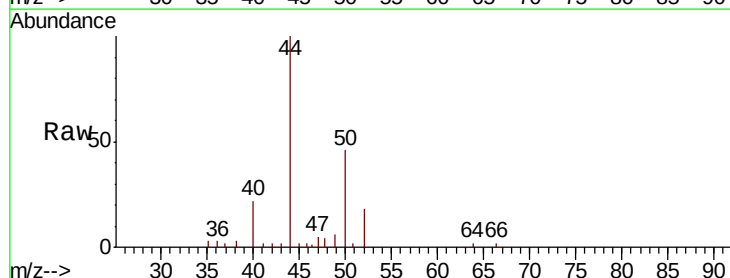
Acq: 29 Apr 2019 18:19

Tgt Ion: 50 Resp: 1928

Ion Ratio Lower Upper

50 100

52 38.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

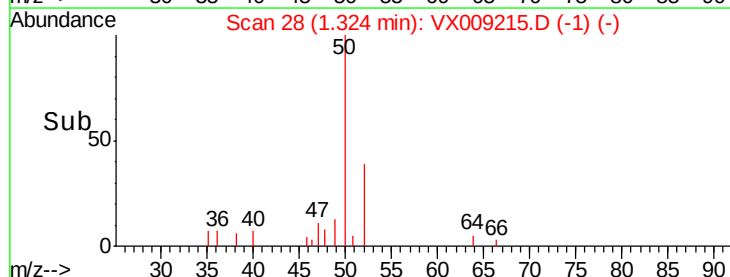
1000

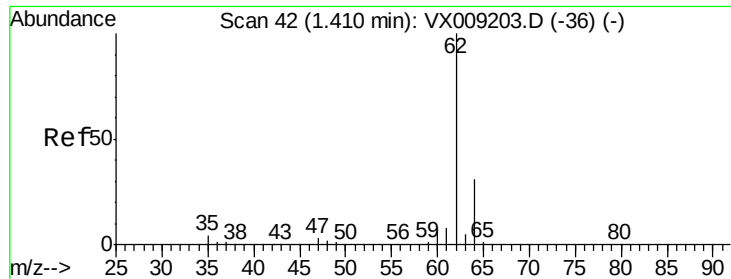
500

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 1.276 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

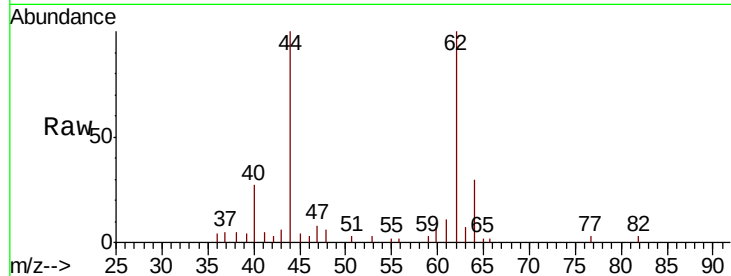
WP021MW011-190423

Tgt Ion: 62 Resp: 3329

Ion Ratio Lower Upper

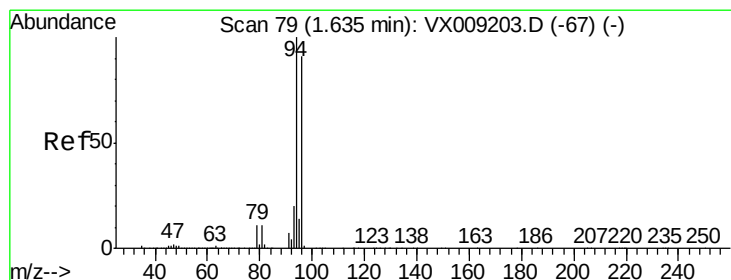
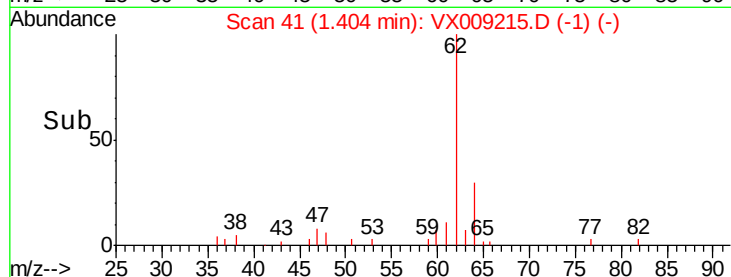
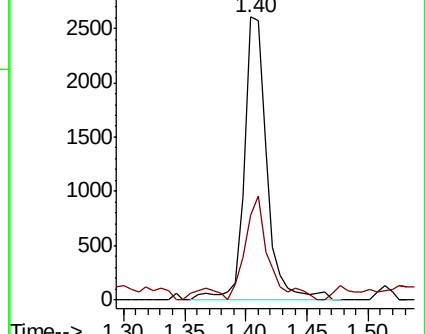
62 100

64 27.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009215.D

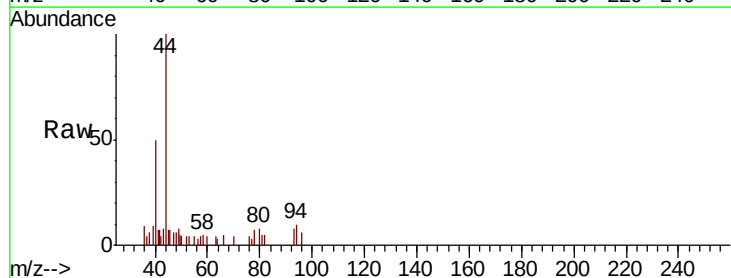
Acq: 29 Apr 2019 18:19

Tgt Ion: 94 Resp: 368

Ion Ratio Lower Upper

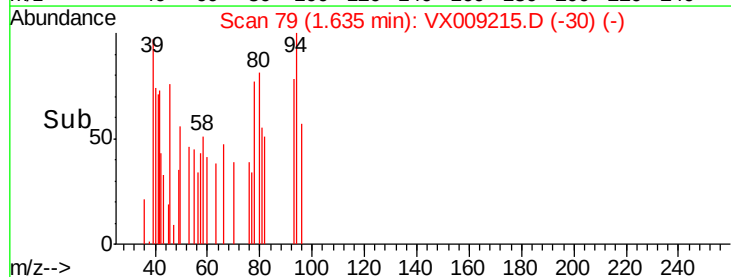
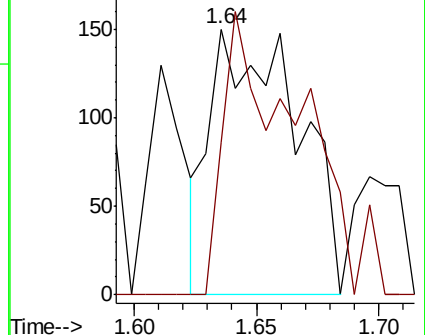
94 100

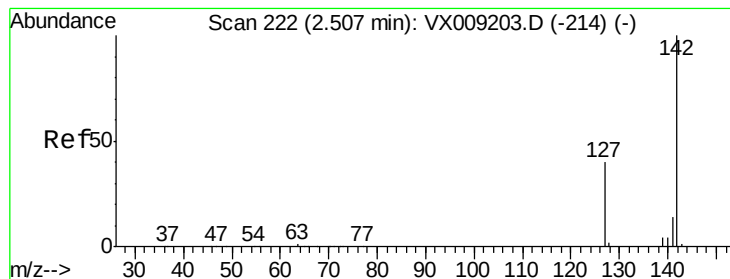
96 57.3 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 4.663 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

WP021MW011-190423

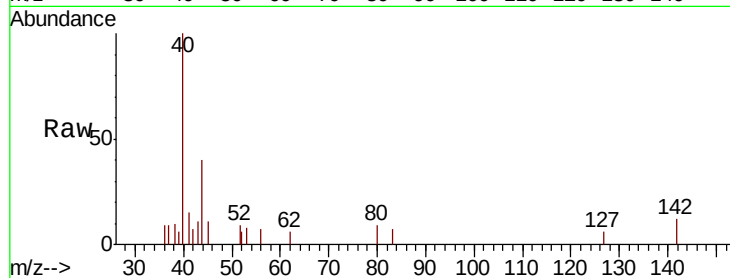
Tgt Ion: 142 Resp: 176

Ion Ratio Lower Upper

142 100

127 33.5 32.7 49.1

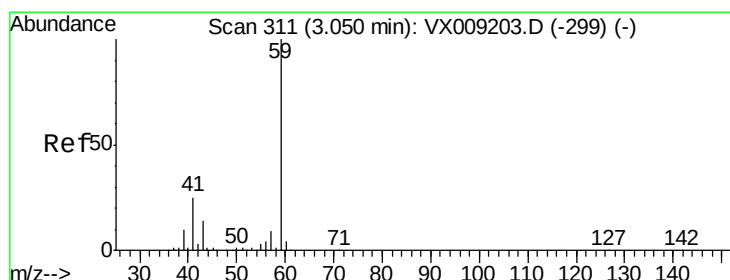
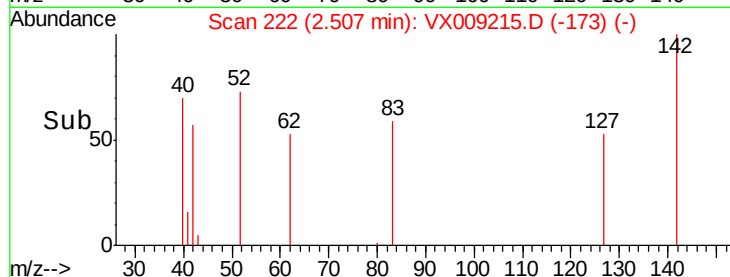
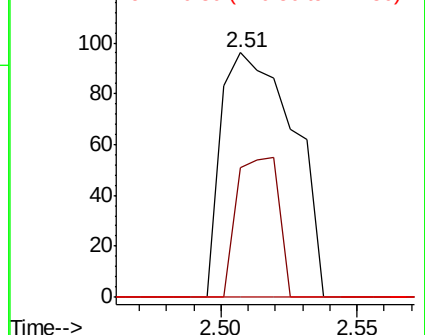
141 0.0 11.5 17.3#



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: 1.787 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009215.D

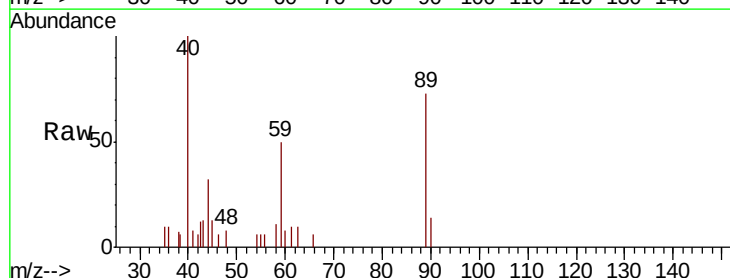
Acq: 29 Apr 2019 18:19

Tgt Ion: 59 Resp: 1201

Ion Ratio Lower Upper

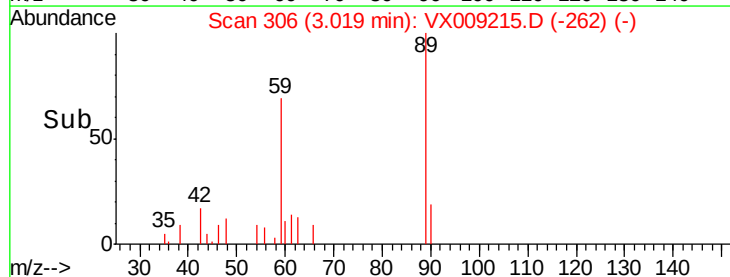
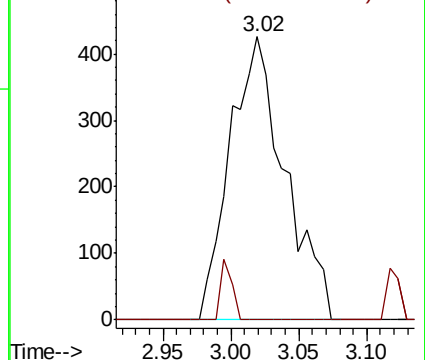
59 100

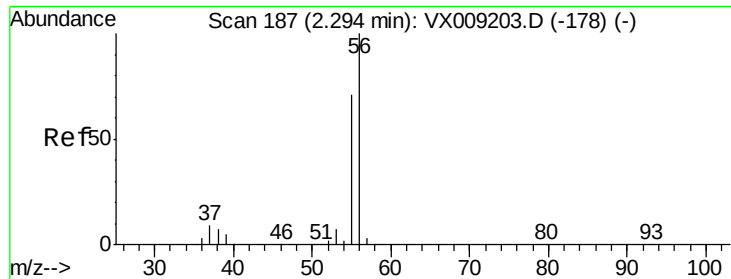
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.417 ug/l

RT: 2.25 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

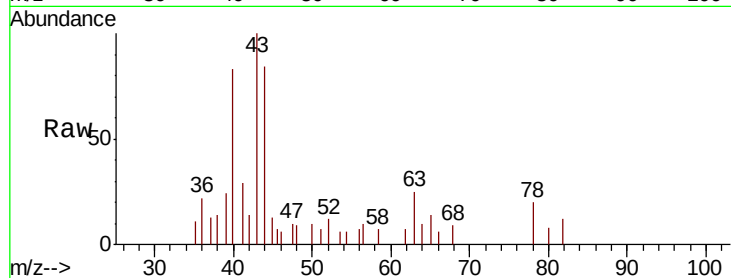
WP021MW011-190423

Tgt Ion: 56 Resp: 254

Ion Ratio Lower Upper

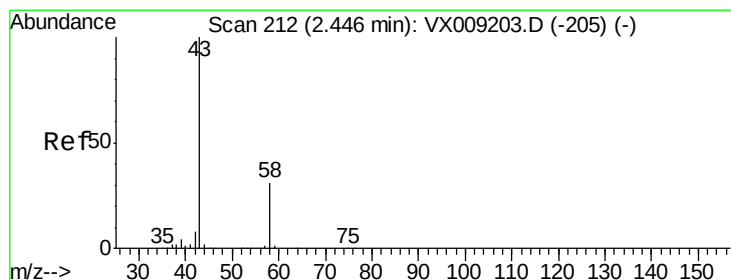
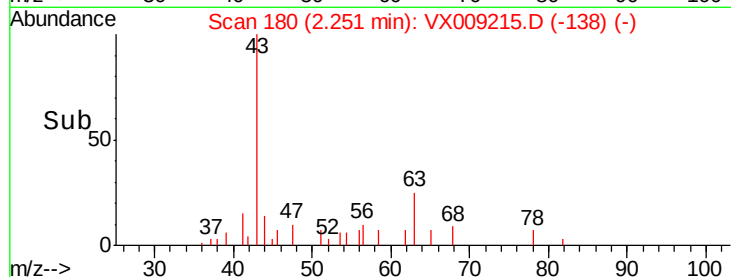
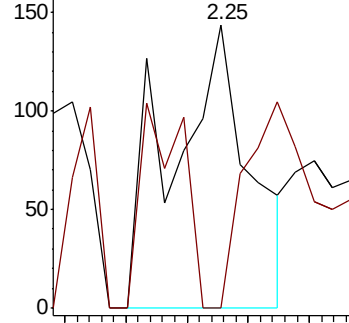
56 100

55 79.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.575 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009215.D

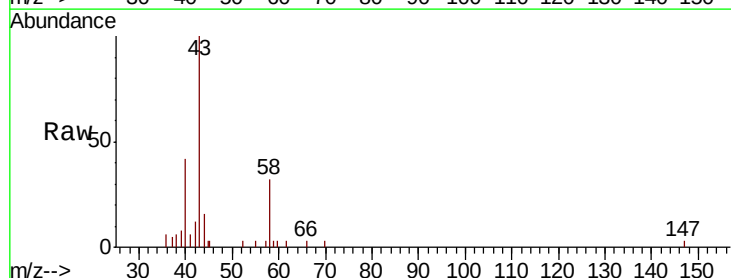
Acq: 29 Apr 2019 18:19

Tgt Ion: 43 Resp: 4014

Ion Ratio Lower Upper

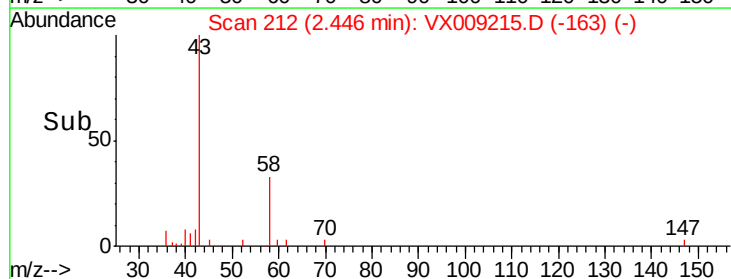
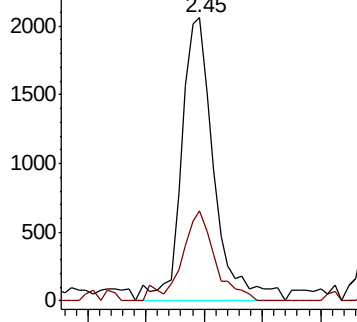
43 100

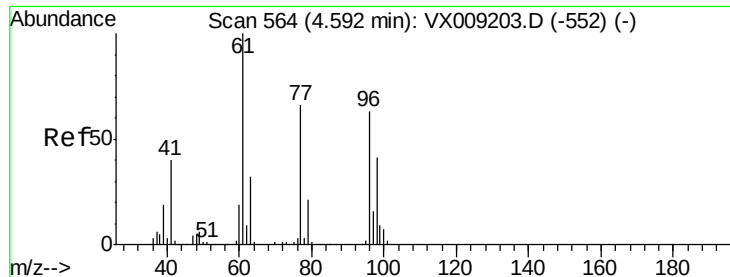
58 31.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 7.648 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

WP021MW011-190423

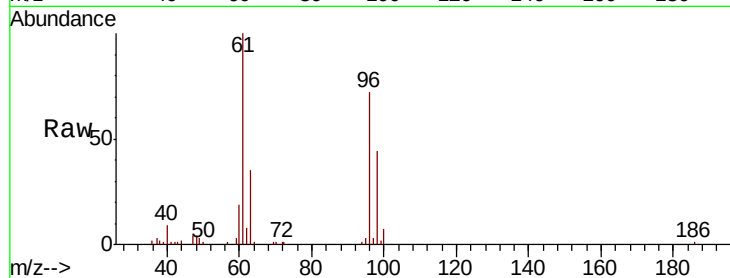
Tgt Ion: 96 Resp: 19758

Ion Ratio Lower Upper

96 100

61 141.8 0.0 324.0

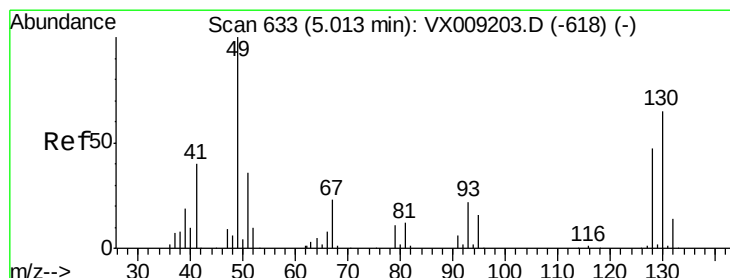
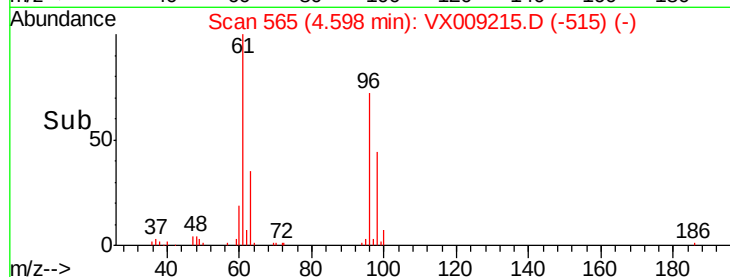
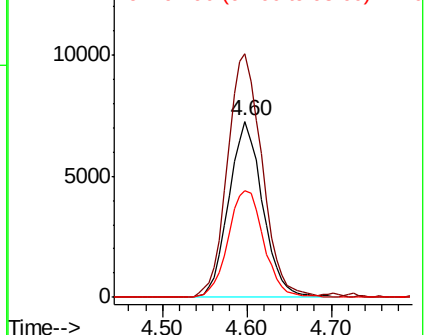
98 63.8 0.0 130.4



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: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

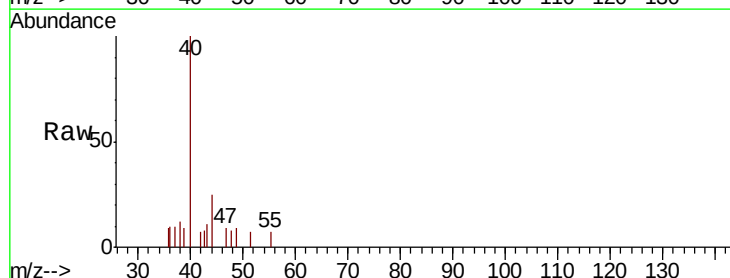
Tgt Ion: 49 Resp: 48

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

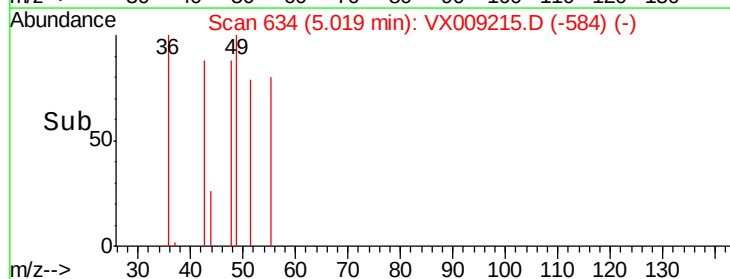
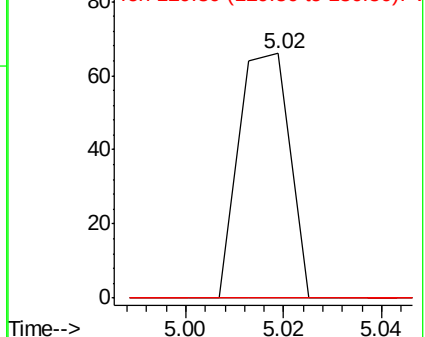
130 0.0 51.2 76.8#

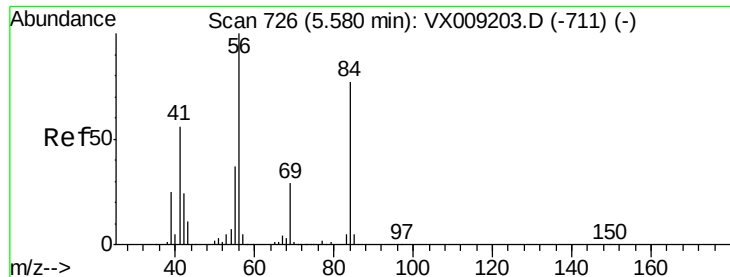


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

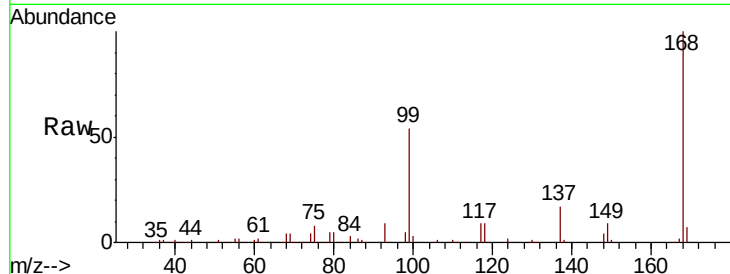




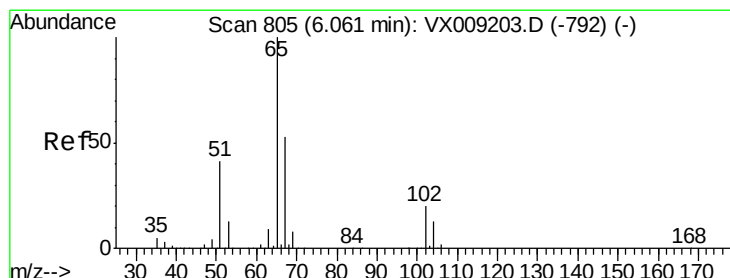
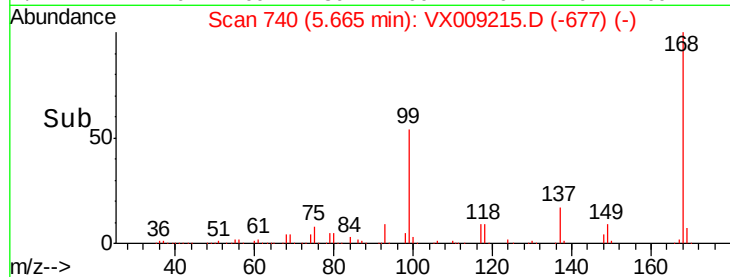
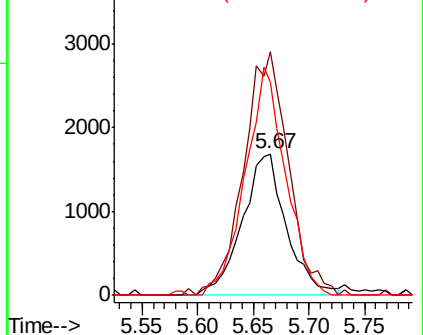
#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009215.D
Acq: 29 Apr 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
WP021MW011-190423

Tgt Ion: 56 Resp: 4659
Ion Ratio Lower Upper
56 100
69 171.6 23.4 35.0#
84 150.3 61.9 92.9#

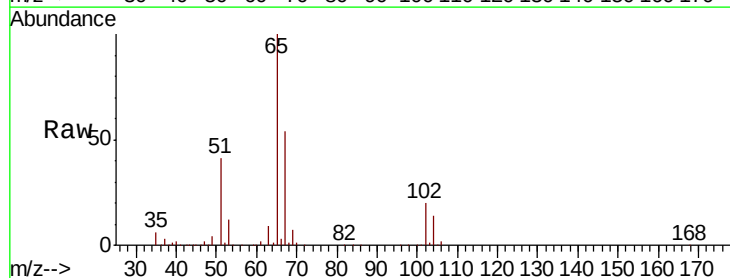


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

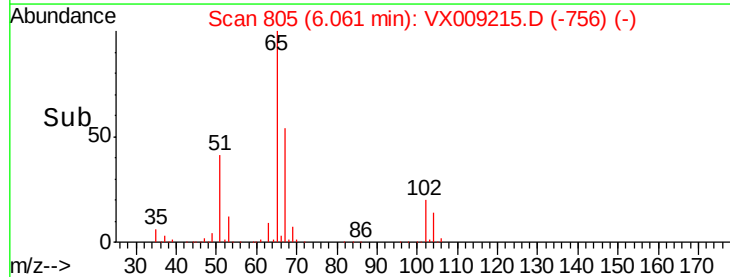
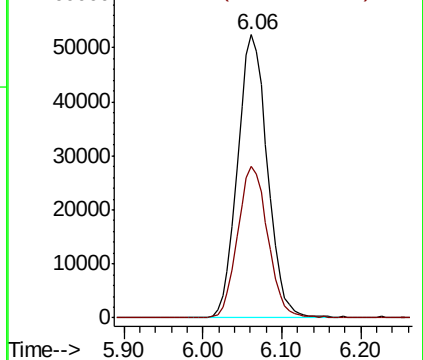


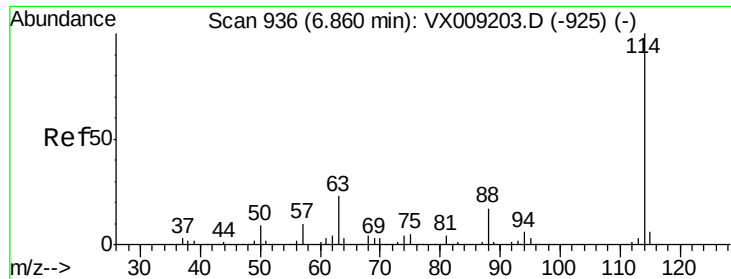
#33
1,2-Dichloroethane-d4
Concen: 47.616 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009215.D
Acq: 29 Apr 2019 18:19

Tgt Ion: 65 Resp: 138252
Ion Ratio Lower Upper
65 100
67 54.1 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: VX009215.D

Acq: 29 Apr 2019 18:19

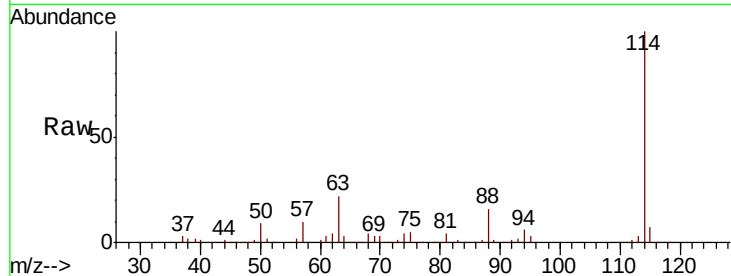
Instrument :

MSVOA_X

ClientSampleId :

WP021MW011-190423

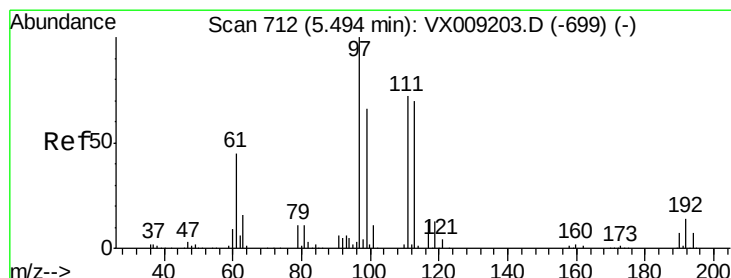
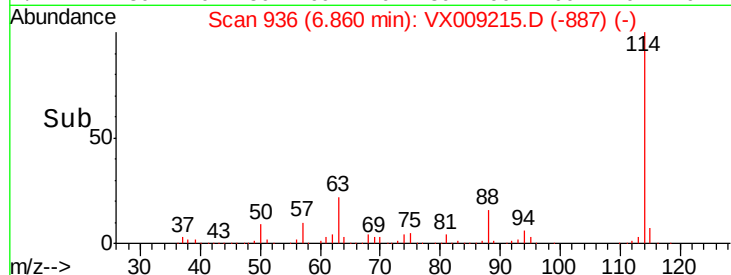
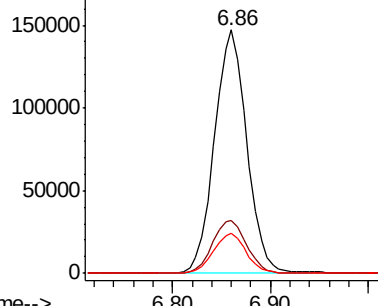
Tgt Ion:	114	Resp:	337417
Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	45.6
88	16.4	0.0	33.2



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: 48.519 ug/l

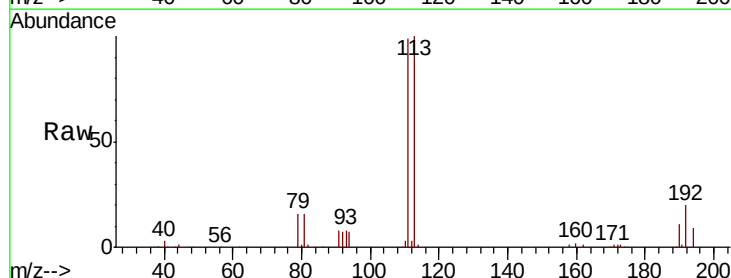
RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

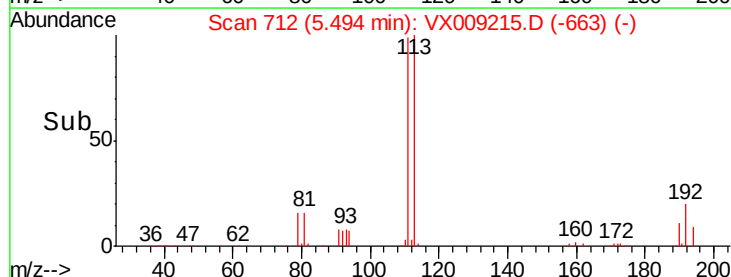
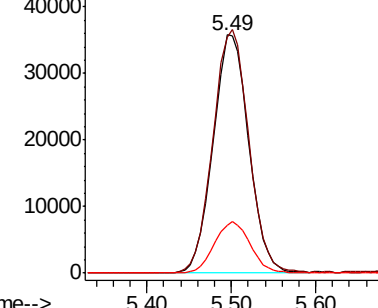
Tgt Ion:	113	Resp:	102916
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.8	124.2
192	21.7	17.0	25.6

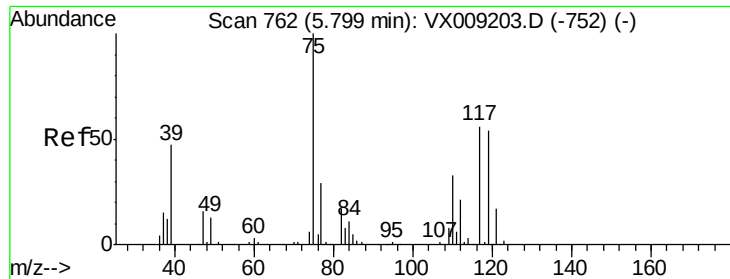


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

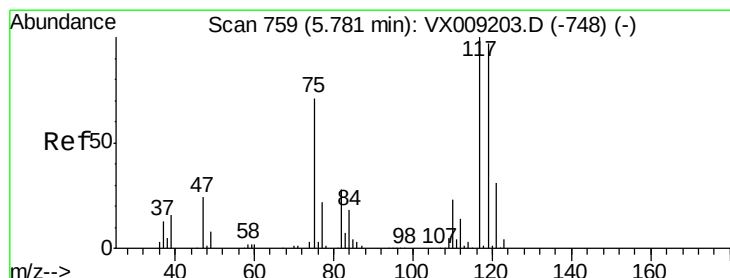
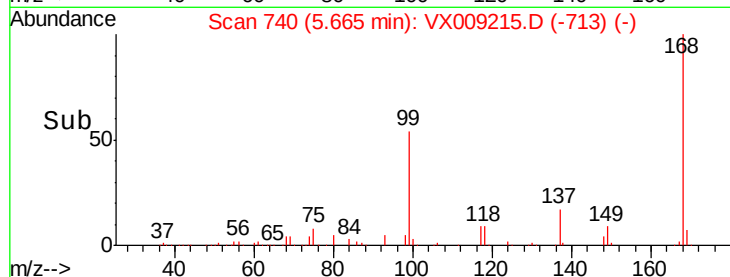
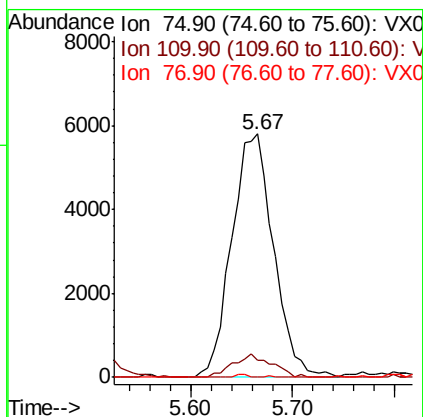
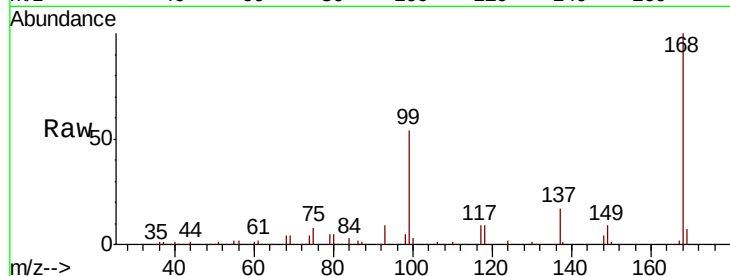




#36
 1,1-Dichloropropene
 Concen: 5.244 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009215.D
 Acq: 29 Apr 2019 18:19

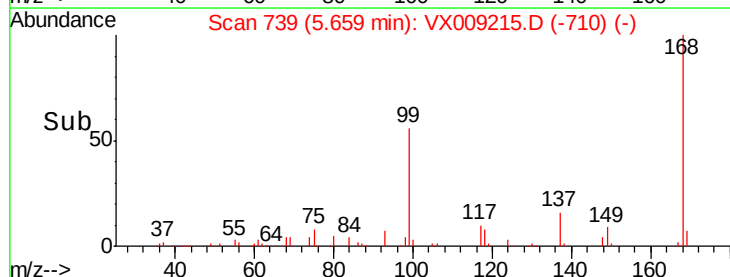
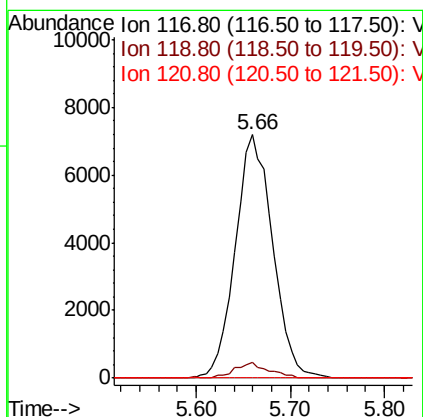
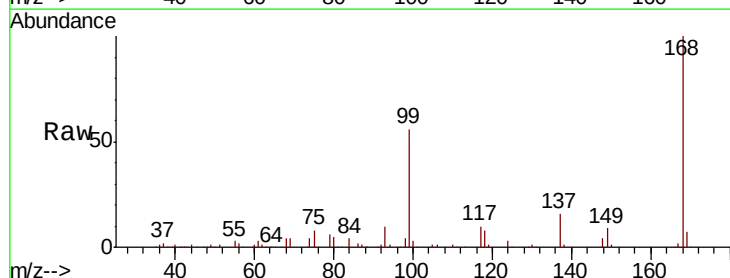
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW011-190423

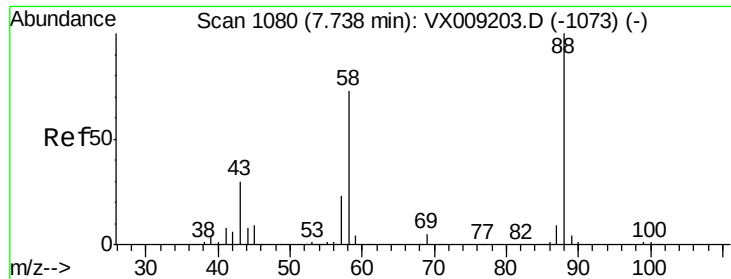
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.9	50.6#
77	0.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.991 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009215.D
 Acq: 29 Apr 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	77.5	116.3#
121	0.0	24.7	37.1#

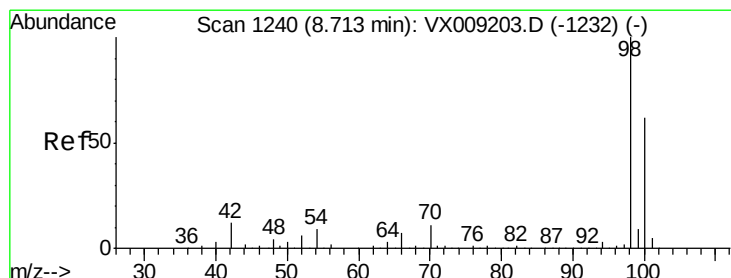
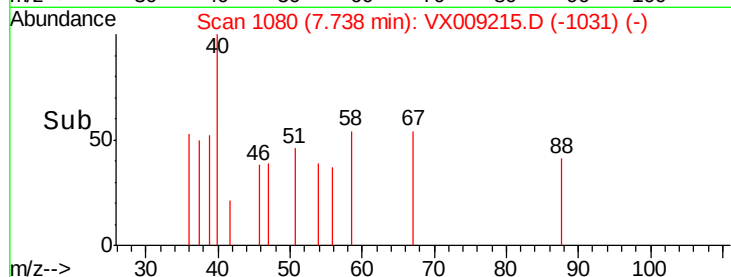
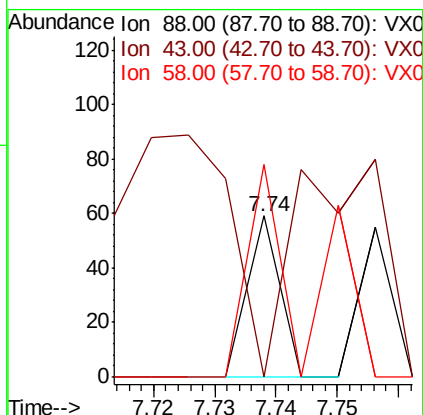
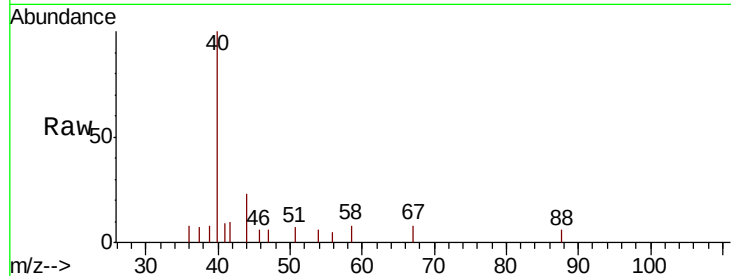




#49
1,4-Dioxane
Concen: 0.313 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009215.D
Acq: 29 Apr 2019 18:19

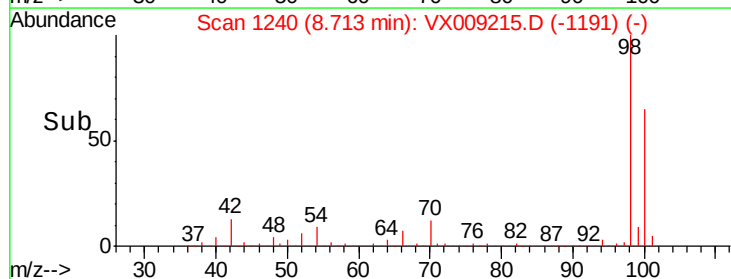
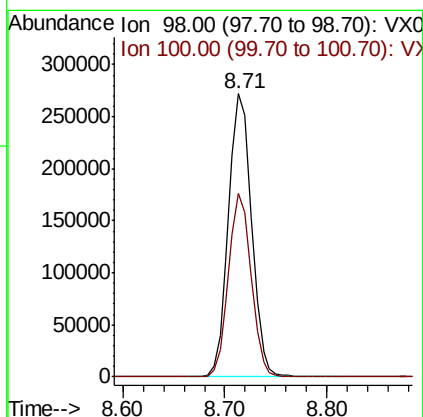
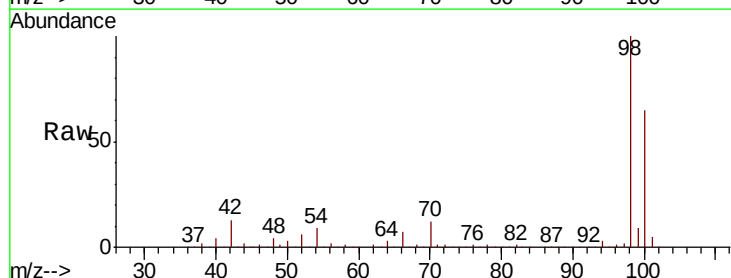
Instrument :
MSVOA_X
ClientSampleId :
WP021MW011-190423

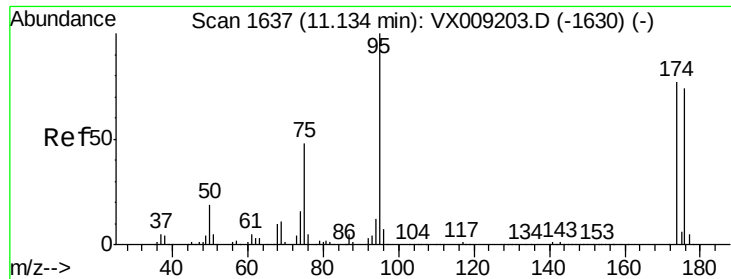
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 513.6 28.6 42.8#
58 236.4 61.7 92.5#



#50
Toluene-d8
Concen: 49.758 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009215.D
Acq: 29 Apr 2019 18:19

Tgt Ion: 98 Resp: 426102
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 44.977 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

WP021MW011-190423

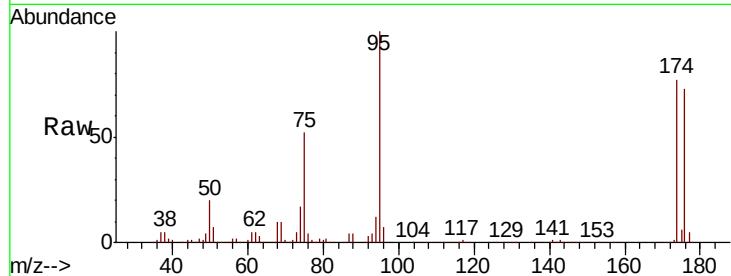
Tgt Ion: 95 Resp: 139955

Ion Ratio Lower Upper

95 100

174 81.1 0.0 161.6

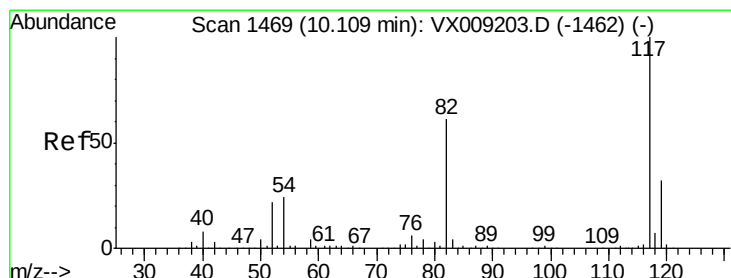
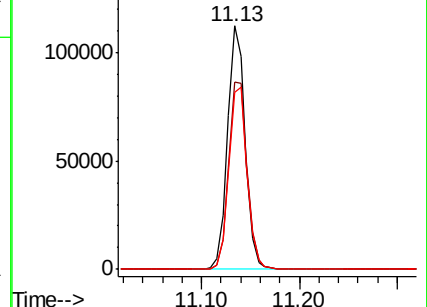
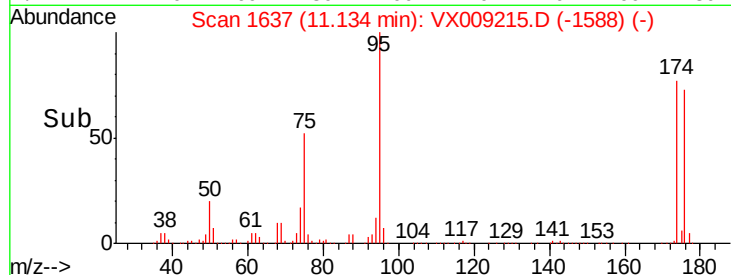
176 77.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009215.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009215.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009215.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

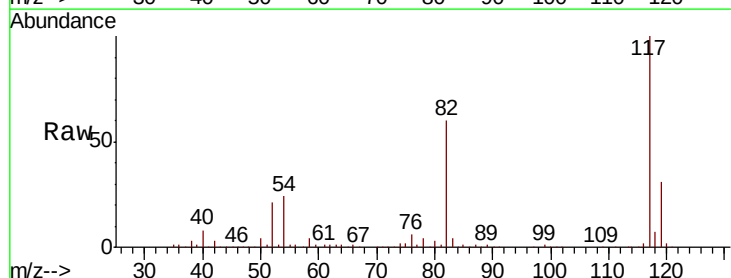
Tgt Ion: 117 Resp: 296737

Ion Ratio Lower Upper

117 100

82 60.4 48.8 73.2

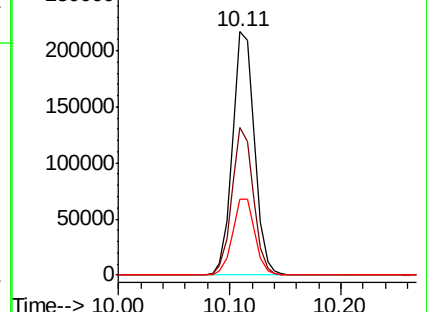
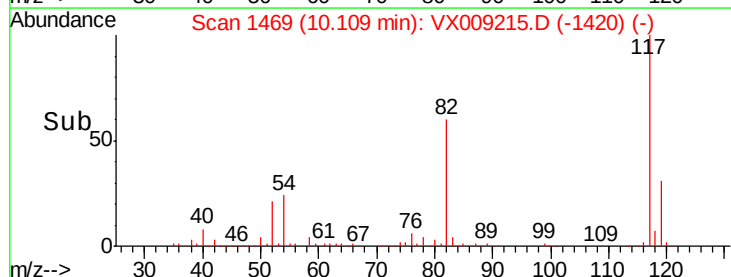
119 31.2 25.8 38.6

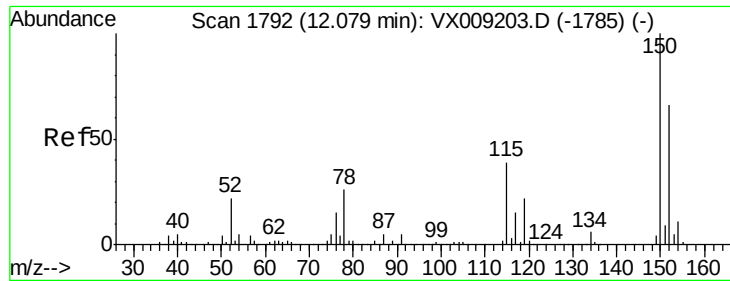


Abundance Ion 116.90 (116.60 to 117.60): VX009215.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009215.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009215.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009215.D

Acq: 29 Apr 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

WP021MW011-190423

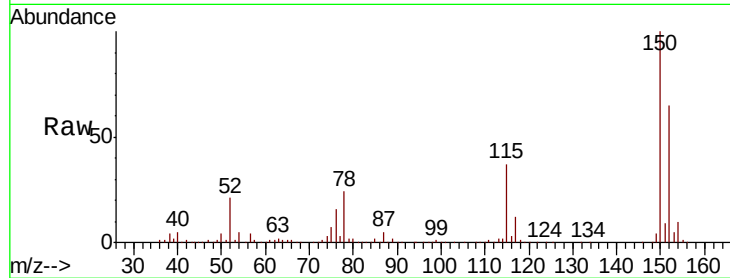
Tgt Ion:152 Resp: 125129

Ion Ratio Lower Upper

152 100

115 59.5 41.2 123.6

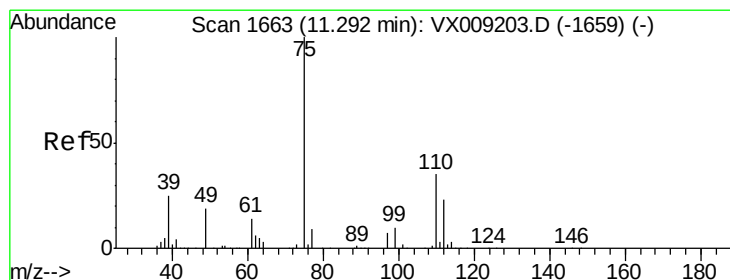
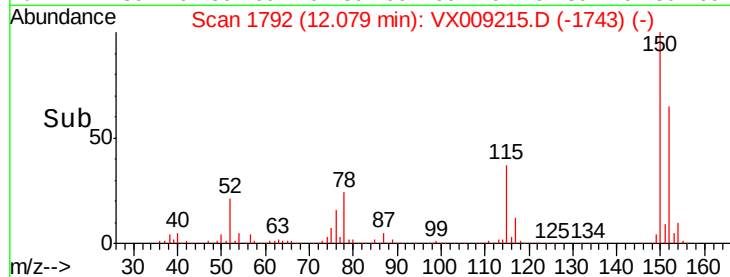
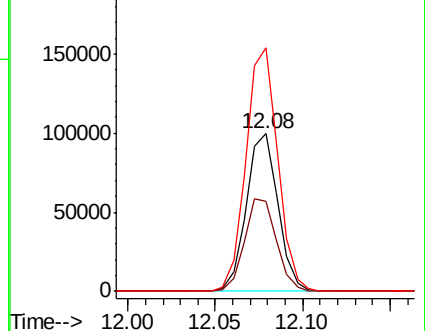
150 155.4 0.0 346.4



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: 24.681 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009215.D

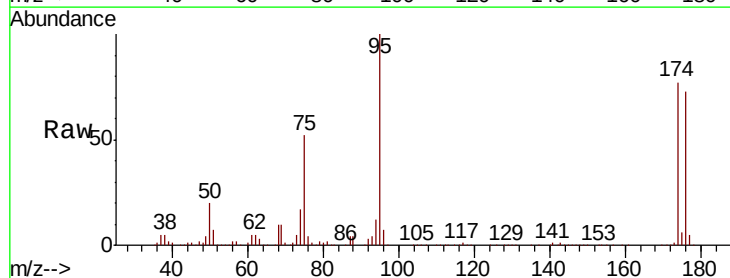
Acq: 29 Apr 2019 18:19

Tgt Ion: 75 Resp: 71638

Ion Ratio Lower Upper

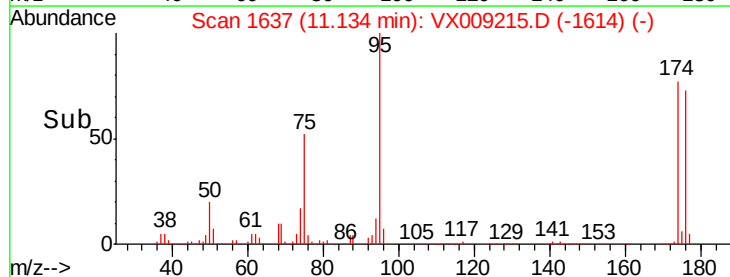
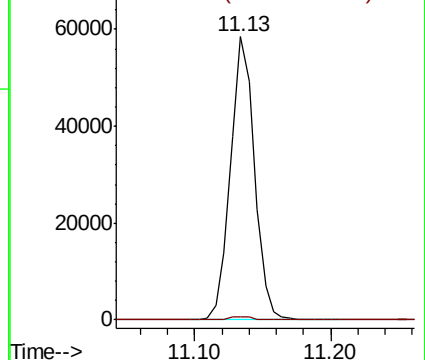
75 100

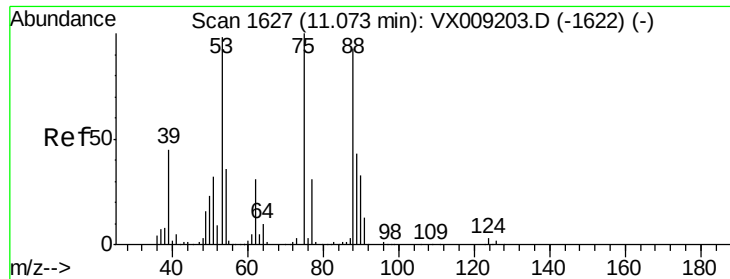
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

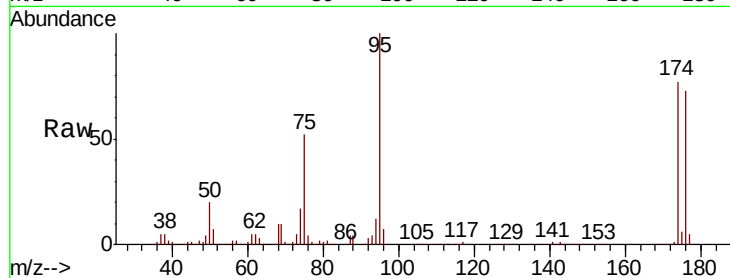




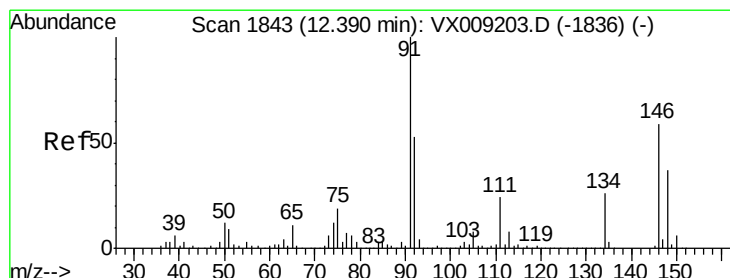
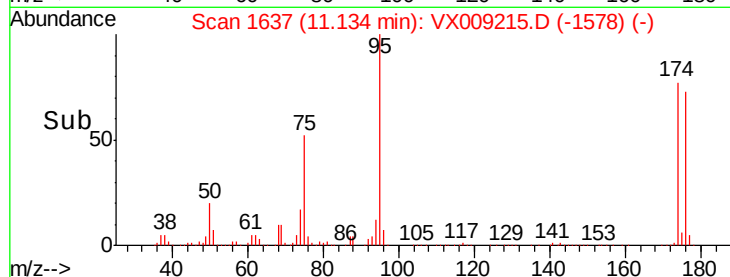
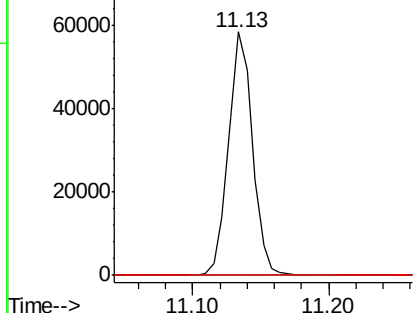
#81
trans-1,4-Dichloro-2-butene
Concen: 63.150 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009215.D
Acq: 29 Apr 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
WP021MW011-190423

Tgt Ion: 75 Resp: 71638
Ion Ratio Lower Upper
75 100
53 0.1 79.0 118.6#
89 0.0 34.7 52.1#

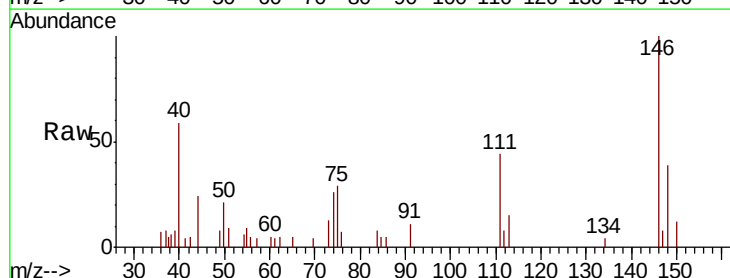


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#91
1,2-Dichlorobenzene
Concen: 0.428 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009215.D
Acq: 29 Apr 2019 18:19

Tgt Ion: 146 Resp: 1755
Ion Ratio Lower Upper
146 100
111 46.0 20.8 62.4
148 55.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

