

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
 Data File : VX009223.D
 Acq On : 29 Apr 2019 21:26
 Operator : JC/SP
 Sample : K2594-19 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-190425

Quant Time: Apr 30 07:21:51 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	5.66	168	211389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129743	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	138744	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.49	113	102751	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.71	98	428553	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	145677	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

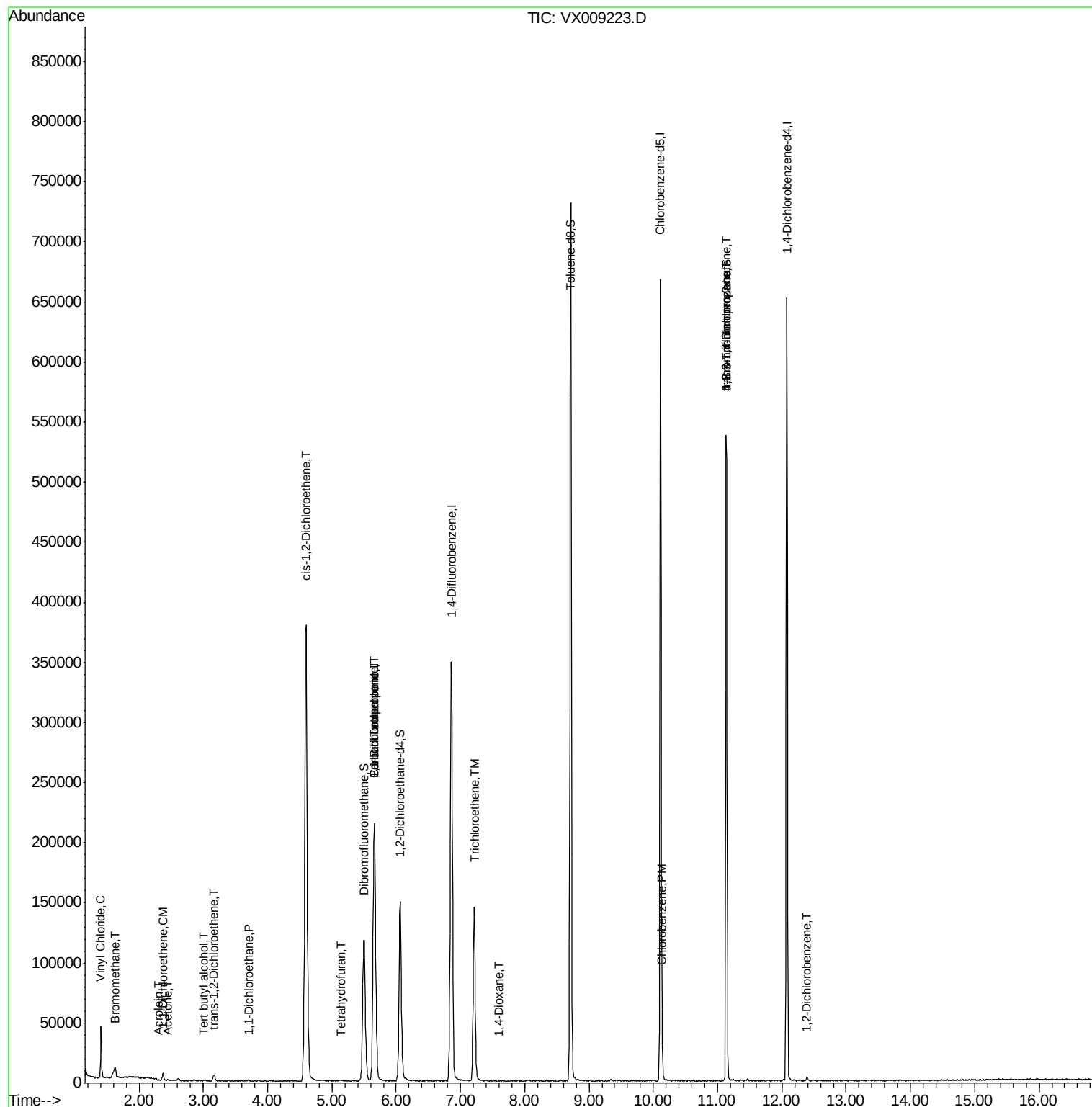
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	29643	11.430	ug/l	98
5) Bromomethane	1.64	94	658	0.423	ug/l	93
11) Tert butyl alcohol	3.01	59	264	0.395	ug/l	95
12) 1,1-Dichloroethene	2.37	96	1767	0.891	ug/l #	87
13) Acrolein	2.29	56	133	0.220	ug/l #	58
16) Acetone	2.45	43	1133	0.731	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	1948	0.906	ug/l	98
24) 1,1-Dichloroethane	3.70	63	1039	0.227	ug/l #	79
27) cis-1,2-Dichloroethene	4.60	96	237603	92.542	ug/l	89
28) Bromochloromethane	5.00	49	80	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	318	0.205	ug/l	96
36) 1,1-Dichloropropene	5.66	75	16235	5.099	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19772	6.835	ug/l #	16
44) Trichloroethene	7.21	130	55771	23.411	ug/l	93
49) 1,4-Dioxane	7.60	88	20	0.280	ug/l #	1
65) Chlorobenzene	10.14	112	8088	1.344	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	73439	24.402	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	73439	62.435	ug/l #	10
91) 1,2-Dichlorobenzene	12.40	146	907	0.213	ug/l	95

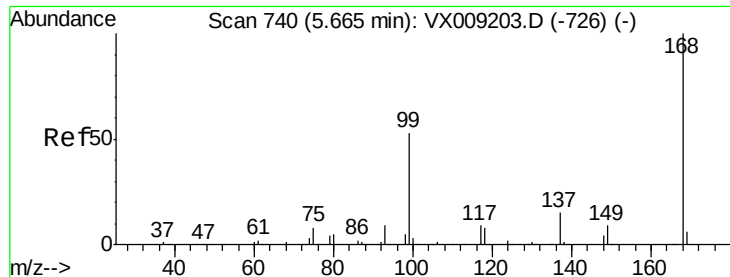
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

Instrument :

MSVOA_X

ClientSampleId :

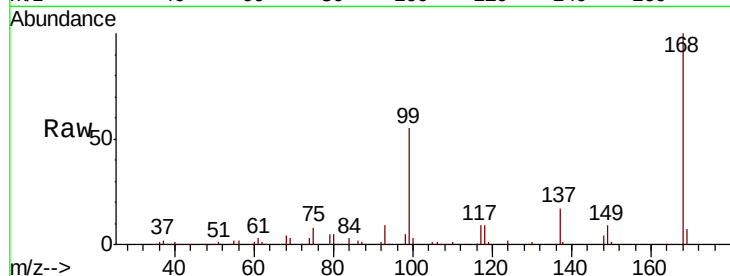
WP021MW347-190425

Tgt Ion:168 Resp: 211389

Ion Ratio Lower Upper

168 100

99 55.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

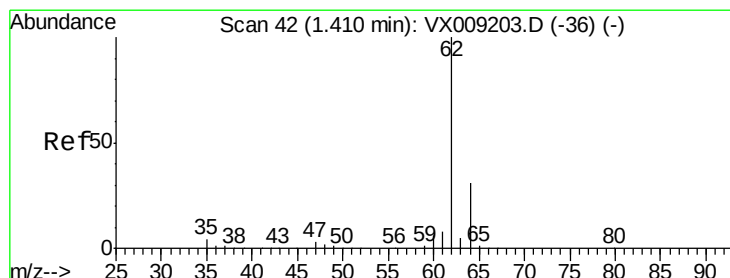
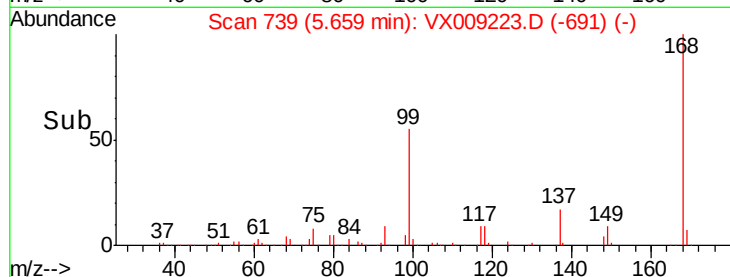
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 11.430 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009223.D

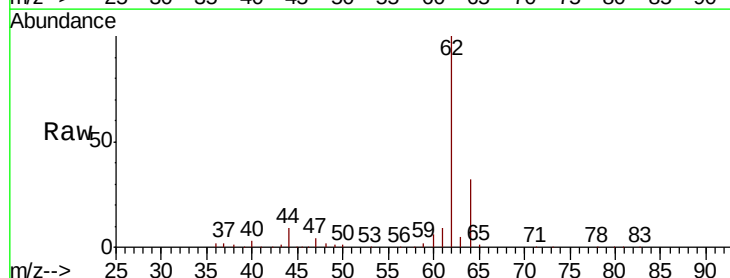
Acq: 29 Apr 2019 21:26

Tgt Ion: 62 Resp: 29643

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

30000

25000

20000

15000

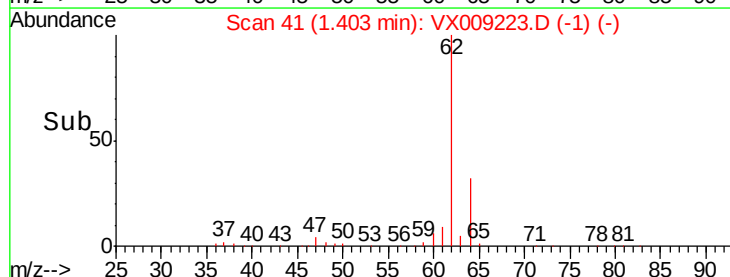
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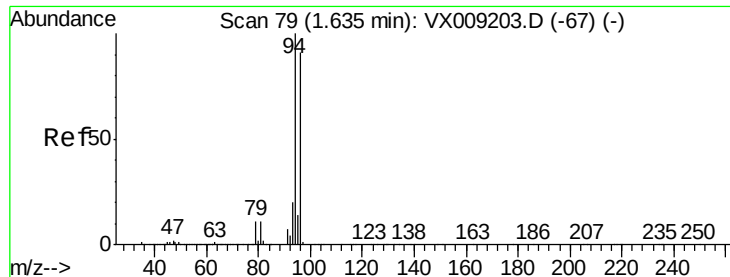
5000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 0.423 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

Instrument :

MSVOA_X

ClientSampleId :

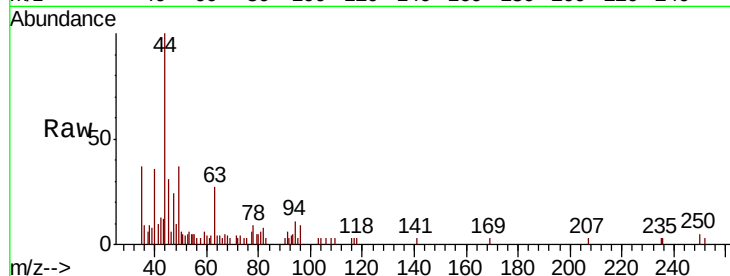
WP021MW347-190425

Tgt Ion: 94 Resp: 658

Ion Ratio Lower Upper

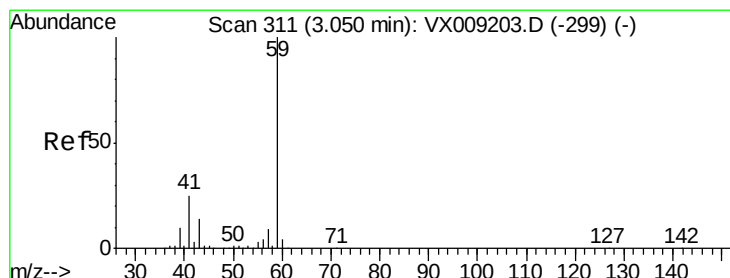
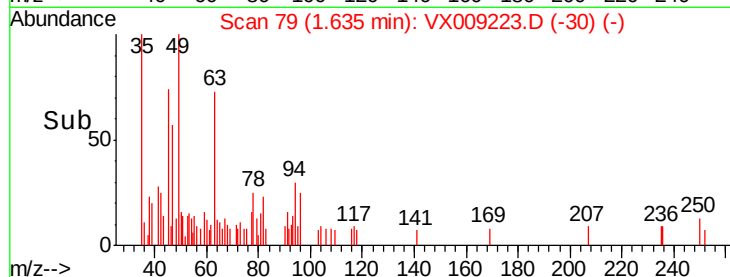
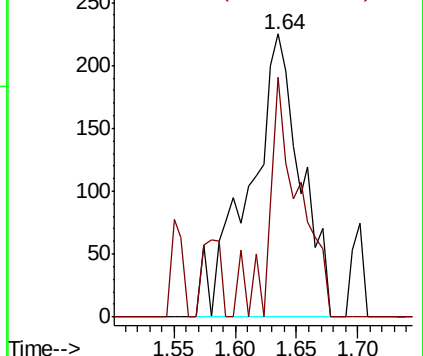
94 100

96 84.9 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.395 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX009223.D

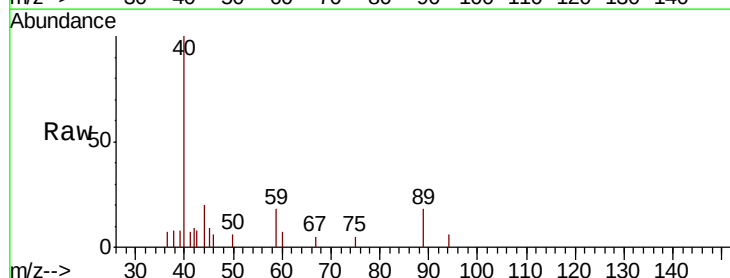
Acq: 29 Apr 2019 21:26

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

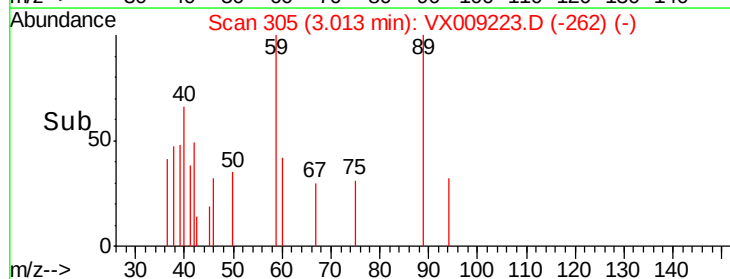
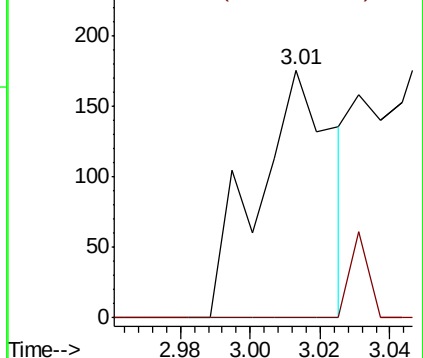
59 100

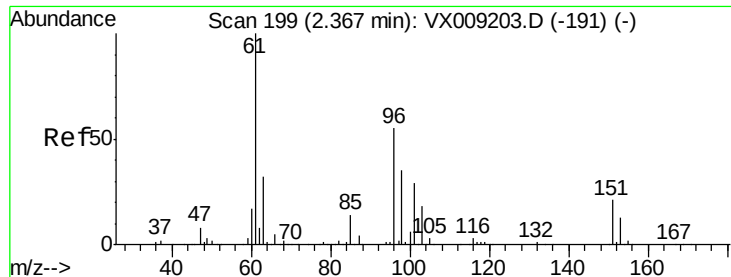
57 8.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

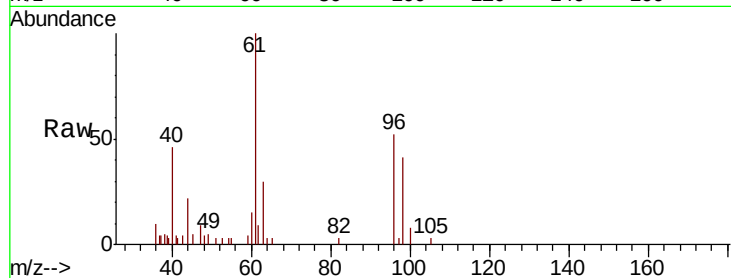




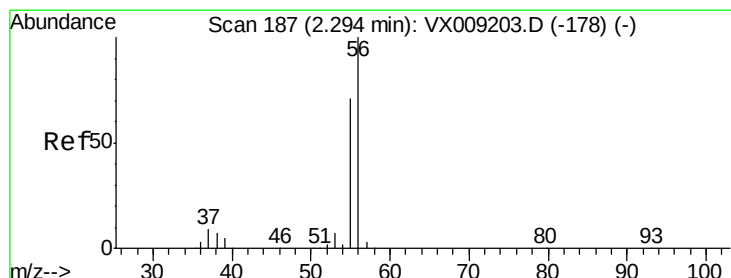
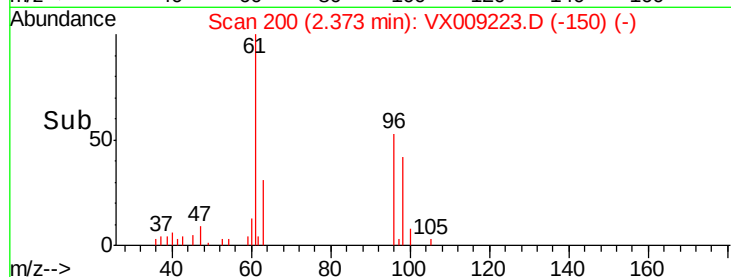
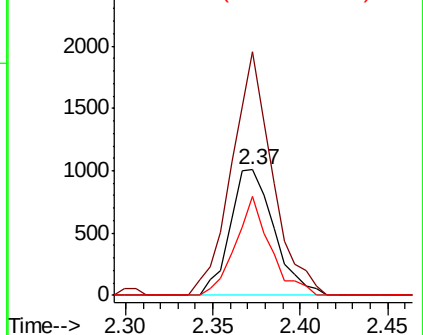
#12
 1,1-Dichloroethene
 Concen: 0.891 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-190425

Tgt Ion: 96 Resp: 1767
 Ion Ratio Lower Upper
 96 100
 61 194.0 144.3 216.5
 98 79.1 50.3 75.5#

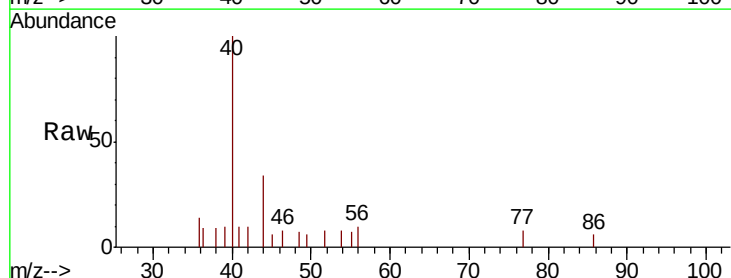


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

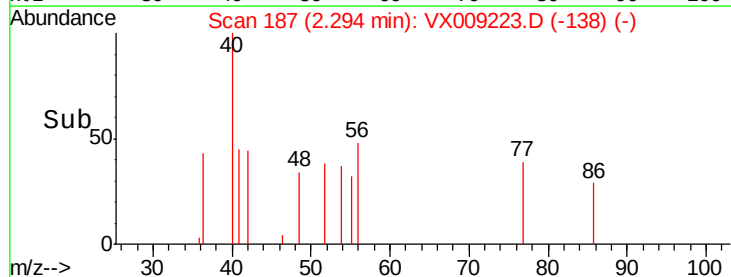
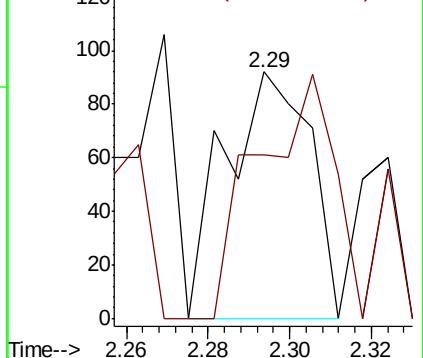


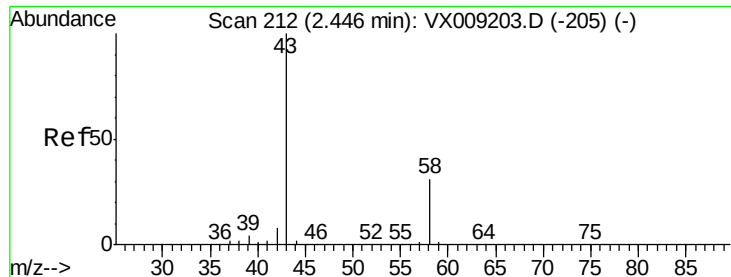
#13
 Acrolein
 Concen: 0.220 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

Tgt Ion: 56 Resp: 133
 Ion Ratio Lower Upper
 56 100
 55 105.3 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: 0.731 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

Instrument :

MSVOA_X

ClientSampleId :

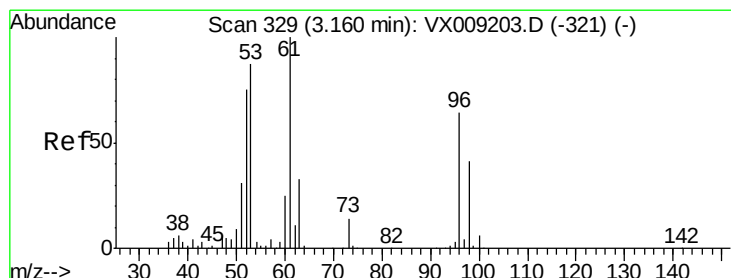
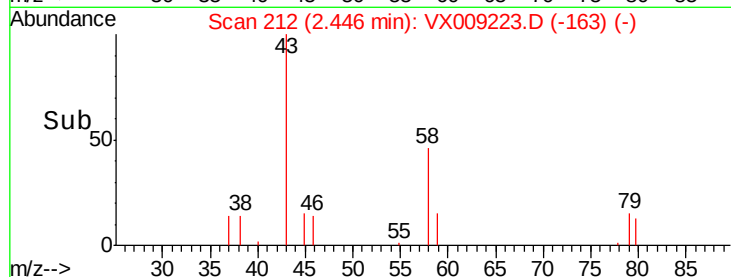
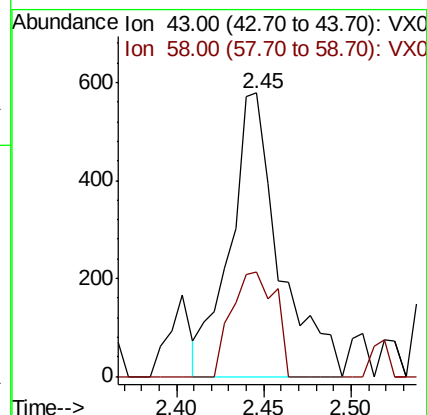
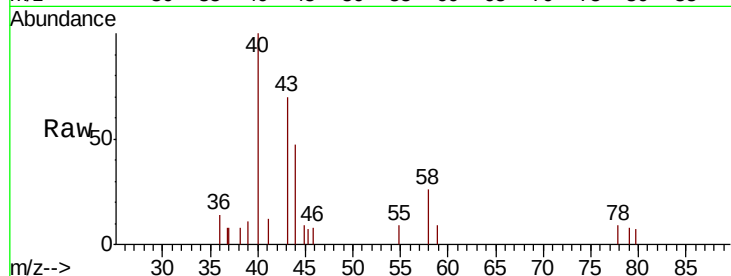
WP021MW347-190425

Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

58 37.0 24.9 37.3



#21

trans-1,2-Dichloroethene

Concen: 0.906 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

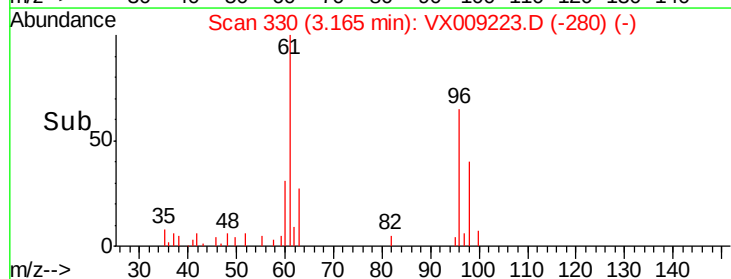
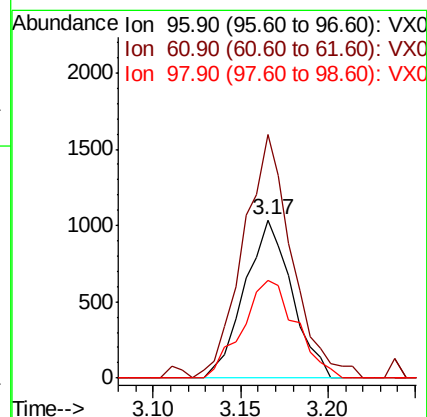
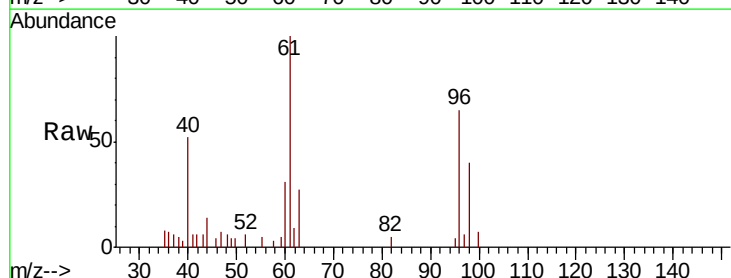
Tgt Ion: 96 Resp: 1948

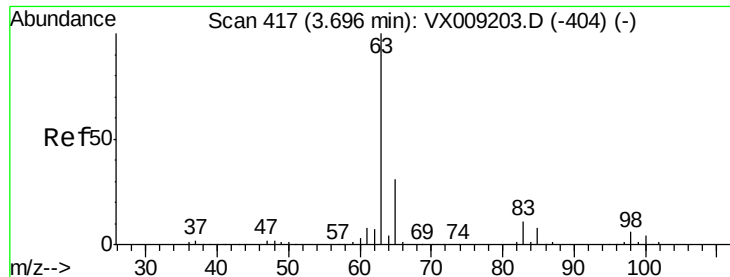
Ion Ratio Lower Upper

96 100

61 153.8 124.5 186.7

98 61.5 50.4 75.6





#24

1,1-Dichloroethane

Concen: 0.227 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

Instrument :

MSVOA_X

ClientSampleId :

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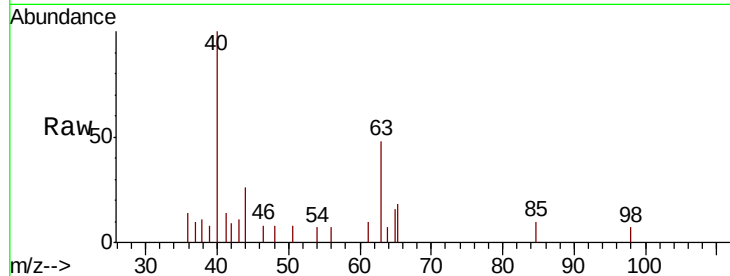
Tgt Ion: 63 Resp: 1039

Ion Ratio Lower Upper

63 100

98 15.1 3.0 9.2#

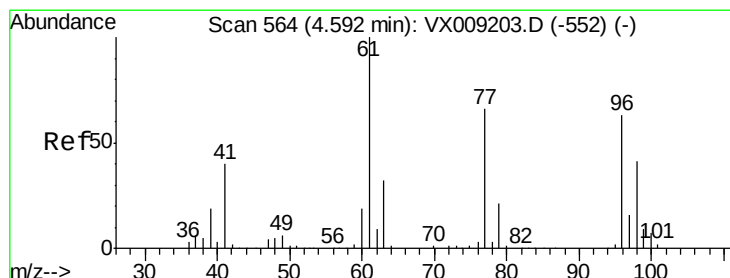
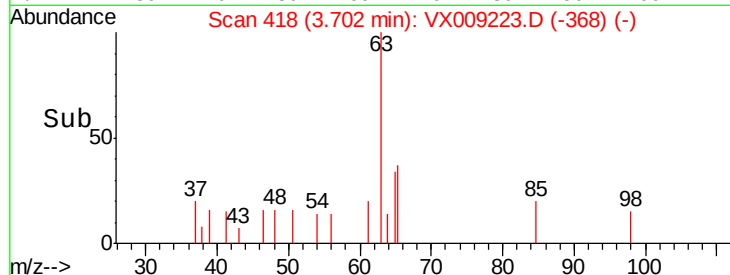
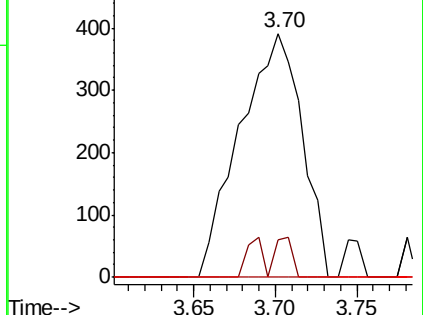
100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 92.542 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

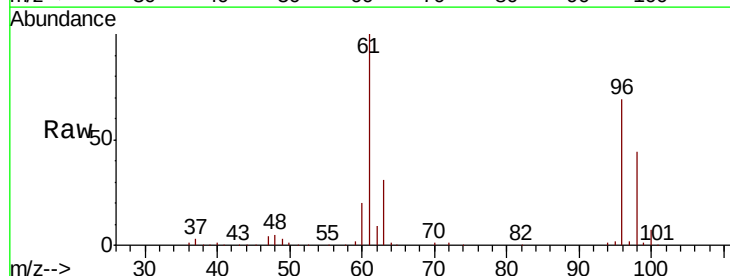
Tgt Ion: 96 Resp: 237603

Ion Ratio Lower Upper

96 100

61 142.4 0.0 324.0

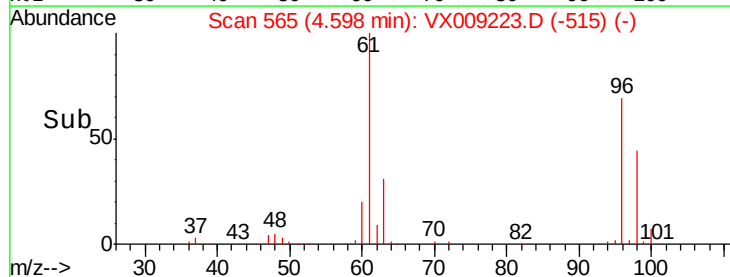
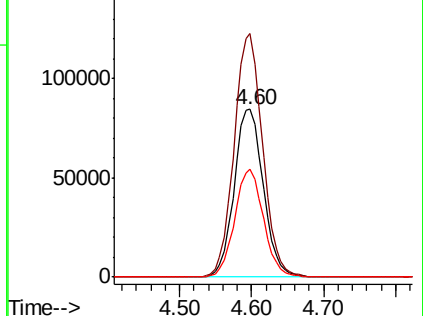
98 63.3 0.0 130.4

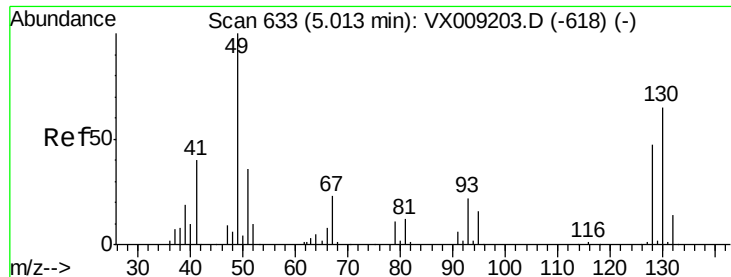


Abundance Ion 95.90 (95.60 to 96.60): VX0

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: VX009223.D

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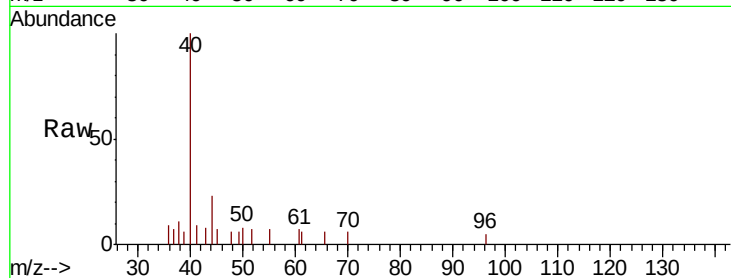
Tgt Ion: 49 Resp: 80

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

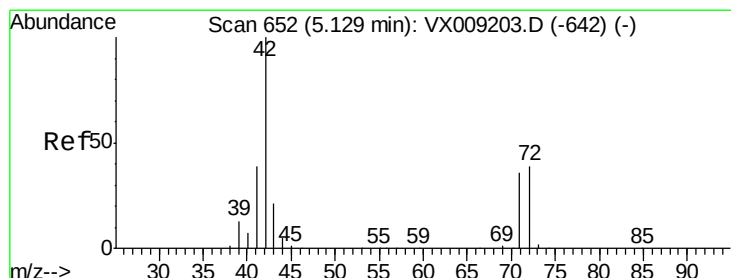
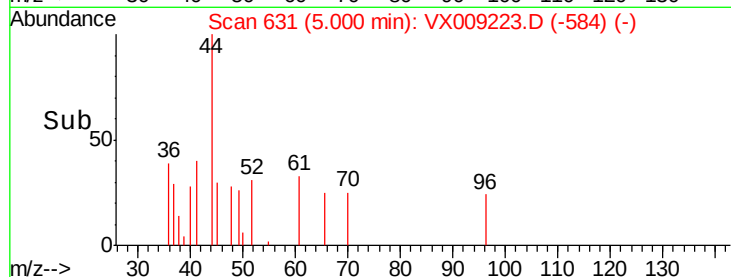
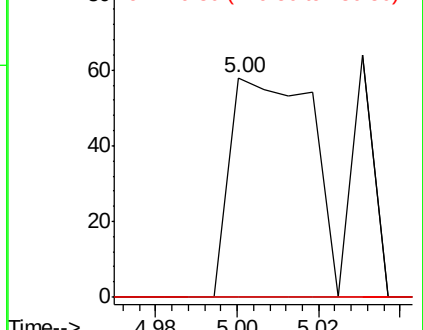
130 0.0 51.2 76.8#



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: 0.205 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

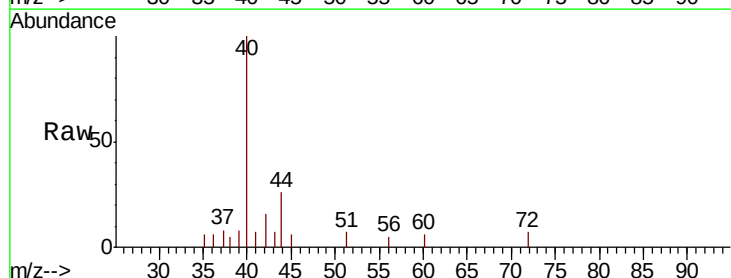
Tgt Ion: 42 Resp: 318

Ion Ratio Lower Upper

42 100

72 42.1 30.4 45.6

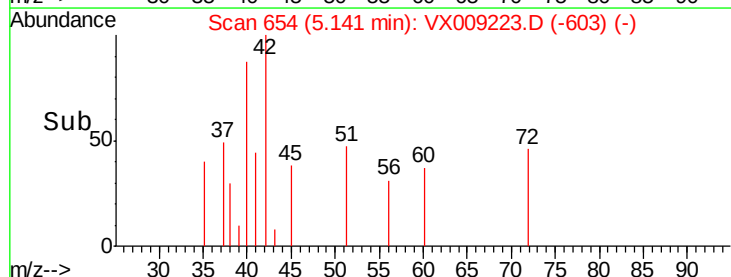
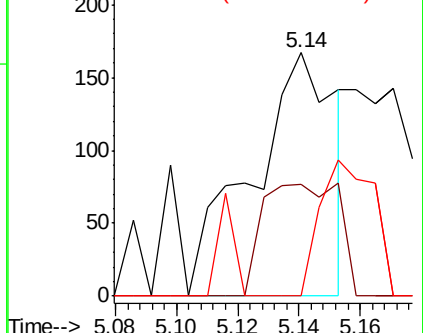
71 35.8 28.6 43.0

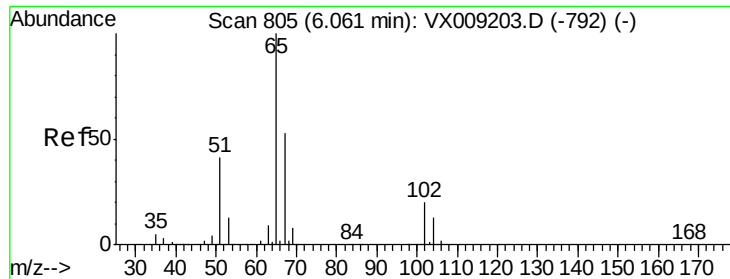


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

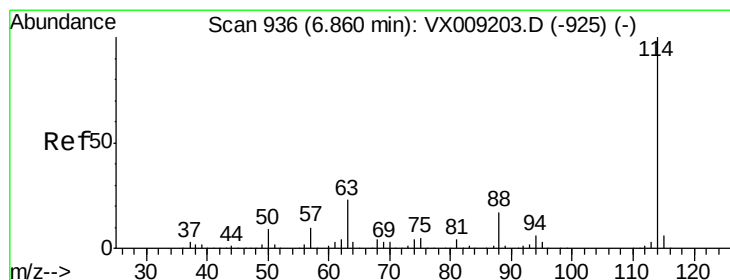
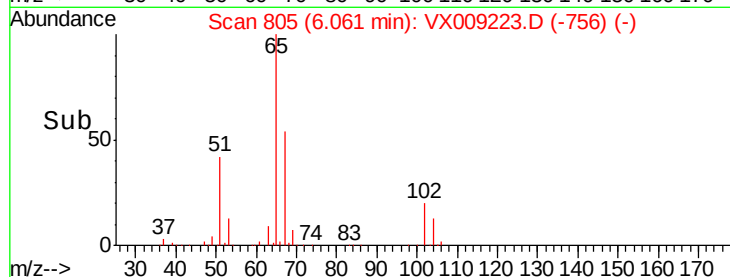
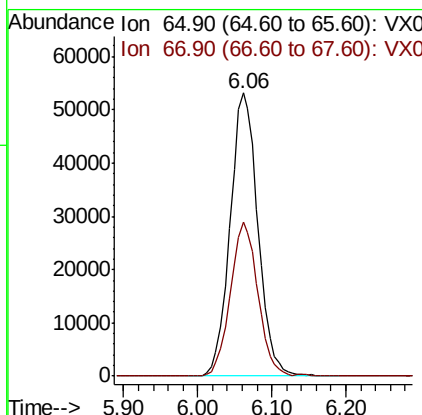
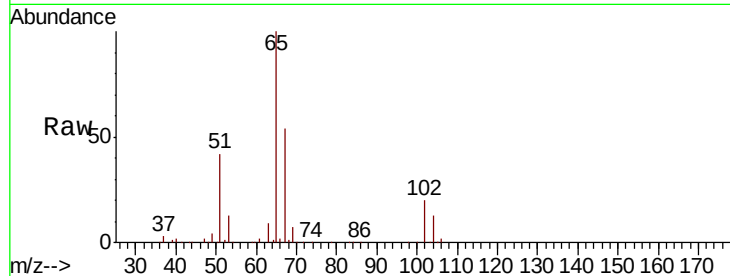




#33
 1,2-Dichloroethane-d4
 Concen: 48.080 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

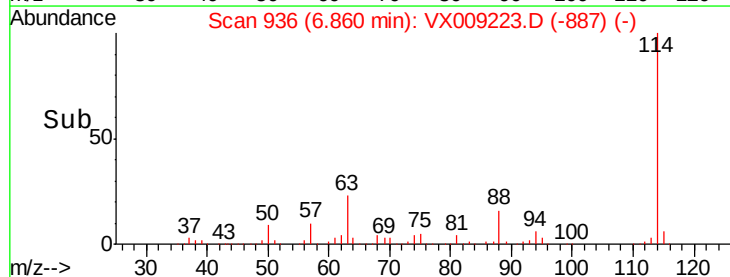
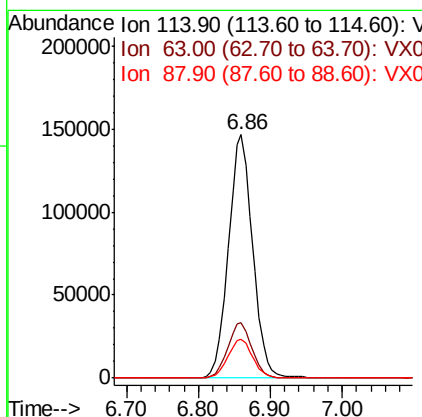
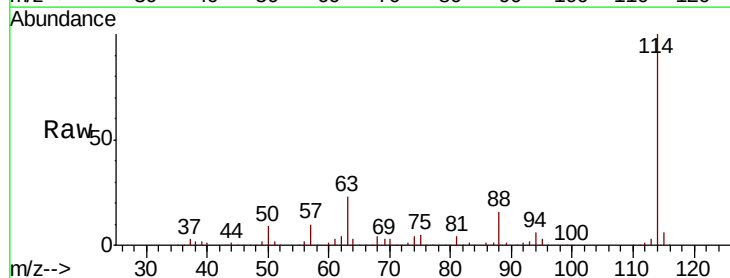
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-190425

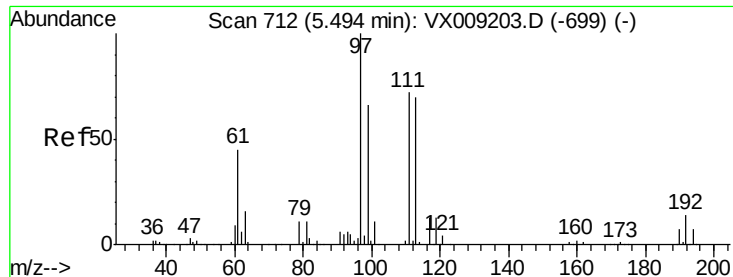
Tgt Ion: 65 Resp: 138744
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

Tgt Ion: 114 Resp: 342624
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.705 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

Instrument :

MSVOA_X

ClientSampleId :

WP021MW347-190425

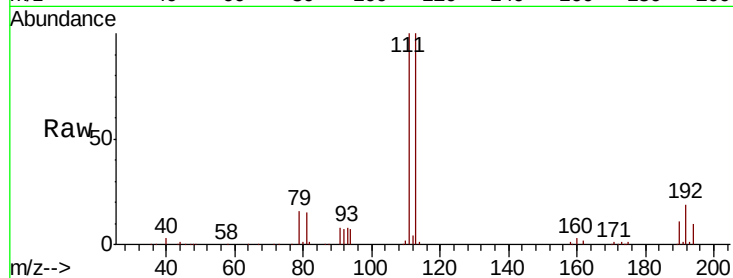
Tgt Ion:113 Resp: 102751

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

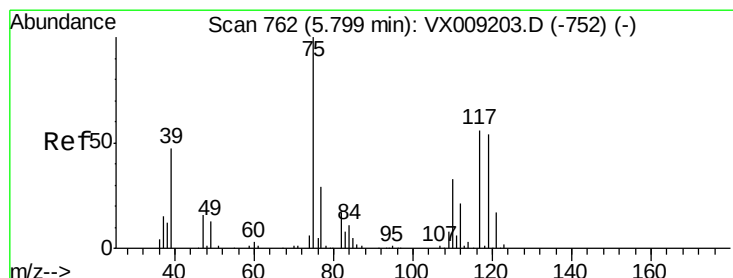
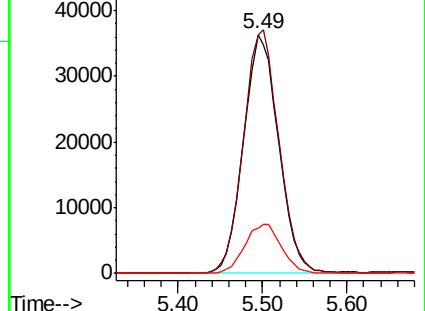
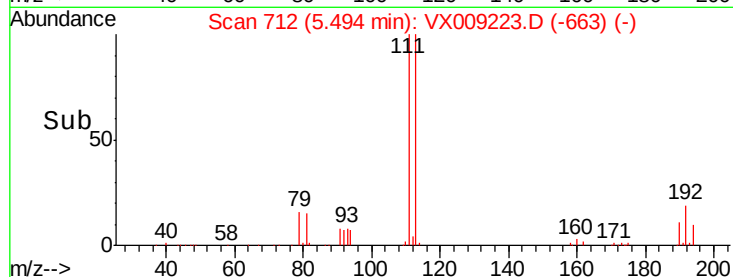
192 21.6 17.0 25.6



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: 5.099 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

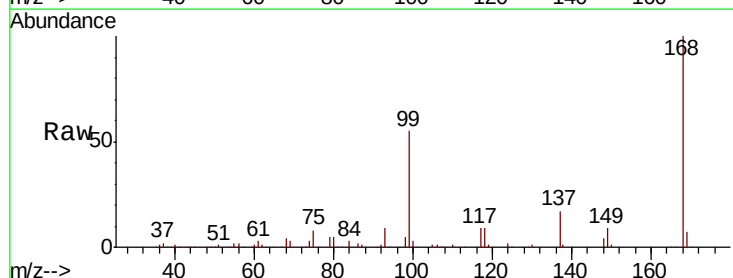
Tgt Ion: 75 Resp: 16235

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

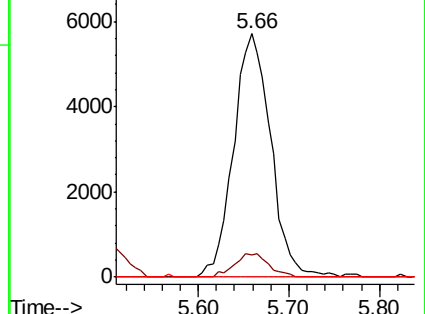
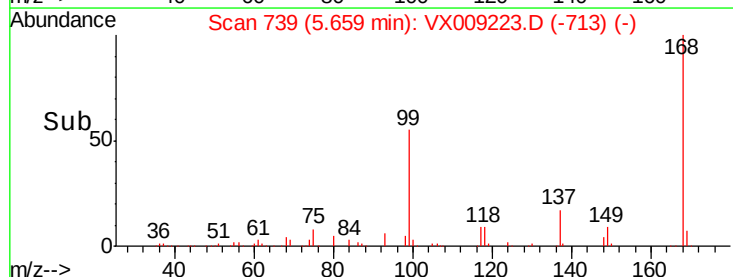
77 0.0 24.8 37.2#

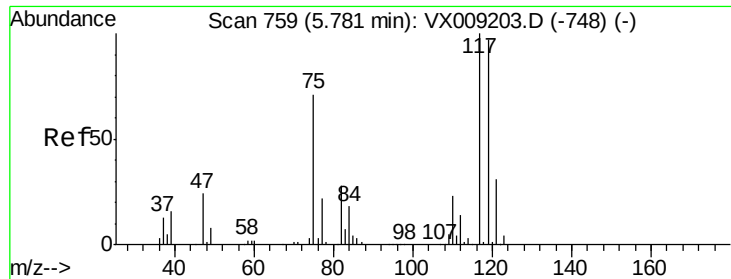


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

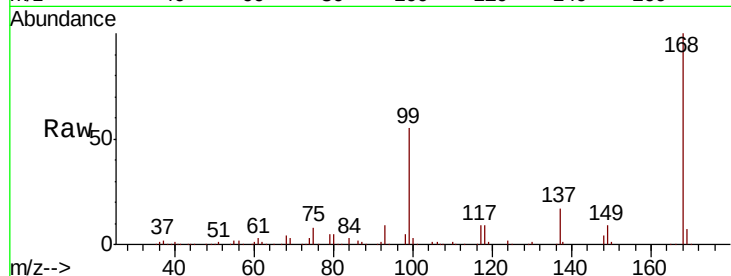




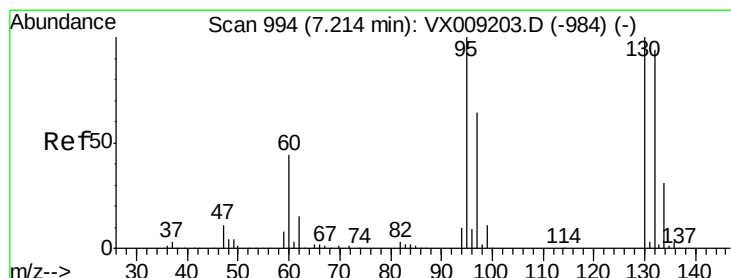
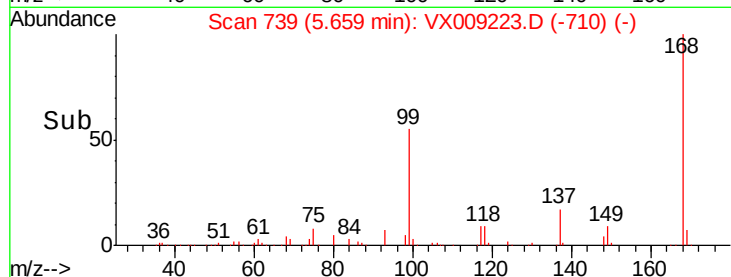
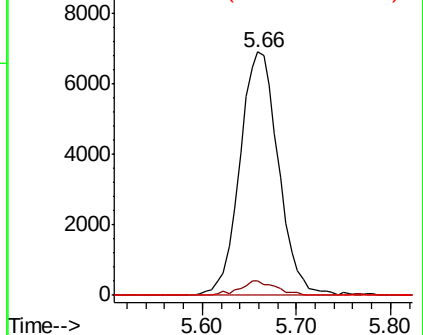
#38
Carbon Tetrachloride
Concen: 6.835 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009223.D
Acq: 29 Apr 2019 21:26

Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-190425

Tgt Ion:117 Resp: 19772
Ion Ratio Lower Upper
117 100
119 6.1 77.5 116.3#
121 0.0 24.7 37.1#

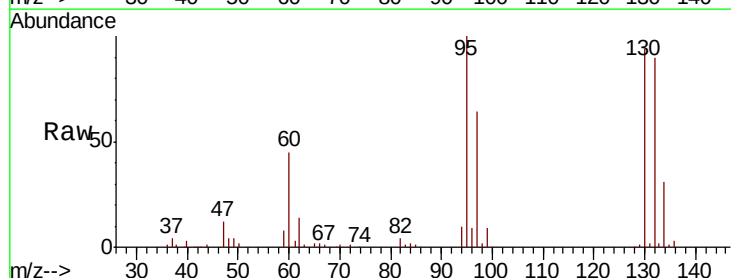


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

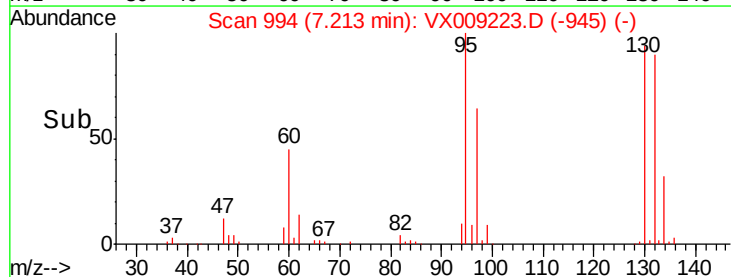
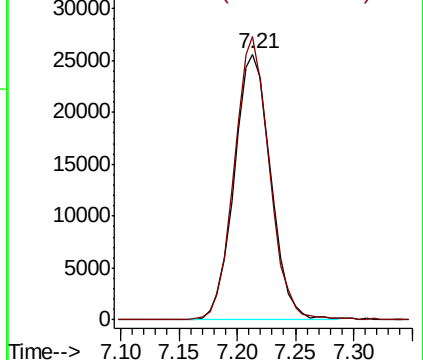


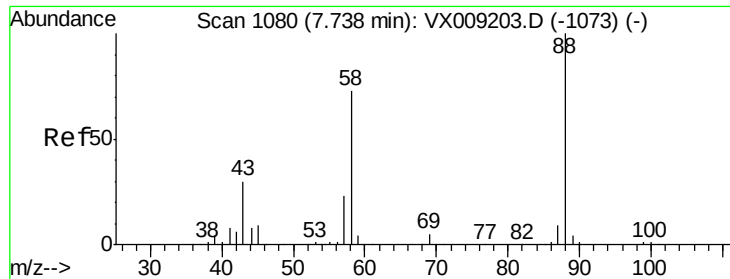
#44
Trichloroethene
Concen: 23.411 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009223.D
Acq: 29 Apr 2019 21:26

Tgt Ion:130 Resp: 55771
Ion Ratio Lower Upper
130 100
95 106.4 0.0 199.2



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

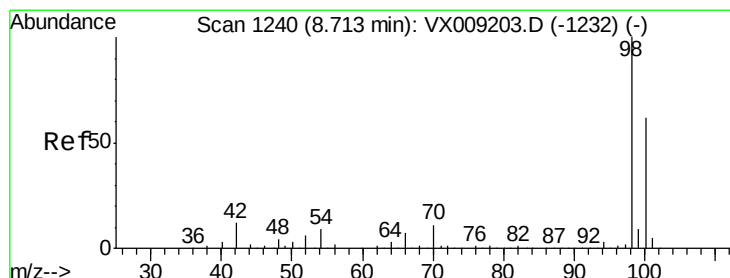
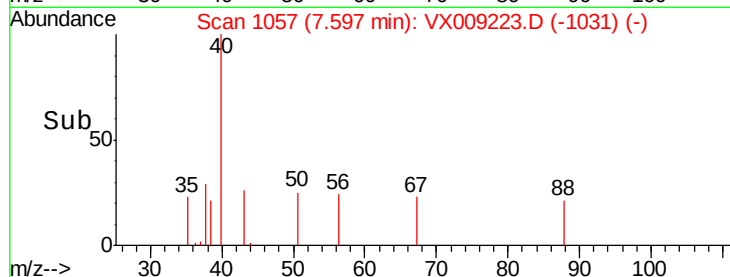
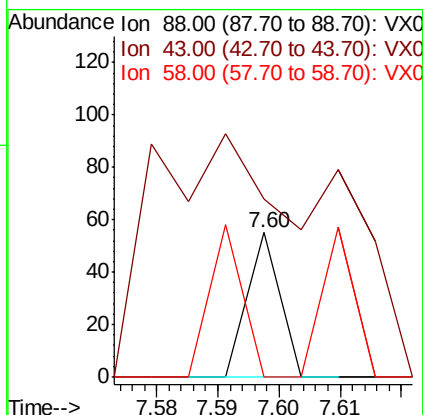
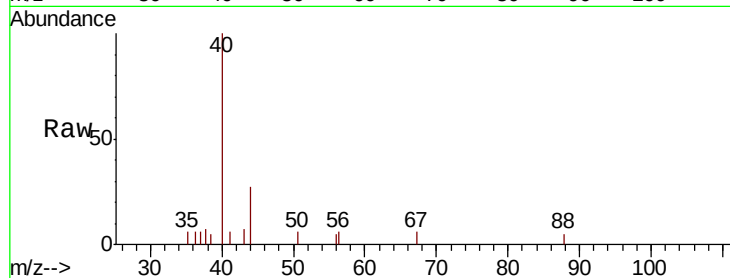




#49
 1,4-Dioxane
 Concen: 0.280 ug/l
 RT: 7.60 min Scan# 1057
 Delta R.T. -0.14 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

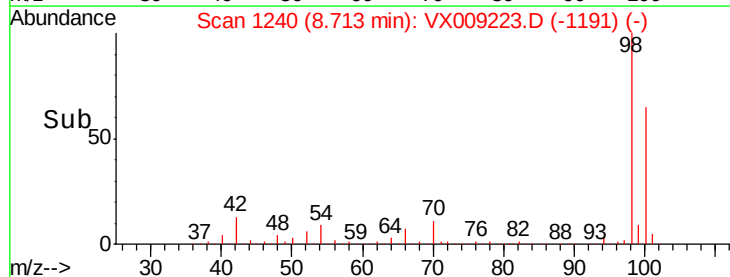
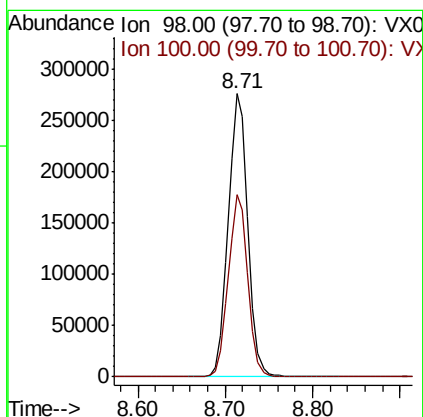
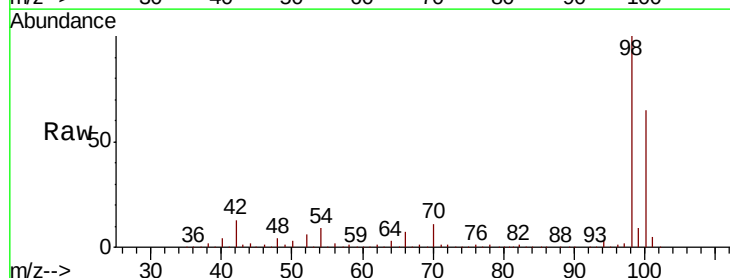
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-190425

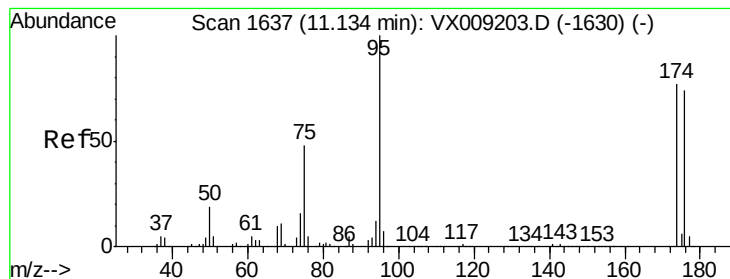
Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 1060.0 28.6 42.8#
 58 105.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.283 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

Tgt Ion: 98 Resp: 428553
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.105 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

Instrument :

MSVOA_X

ClientSampleId :

WP021MW347-190425

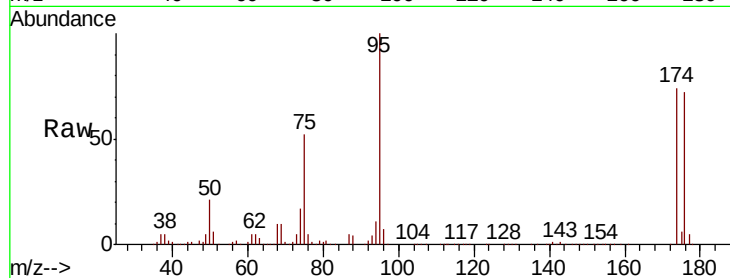
Tgt Ion: 95 Resp: 145677

Ion Ratio Lower Upper

95 100

174 79.6 0.0 161.6

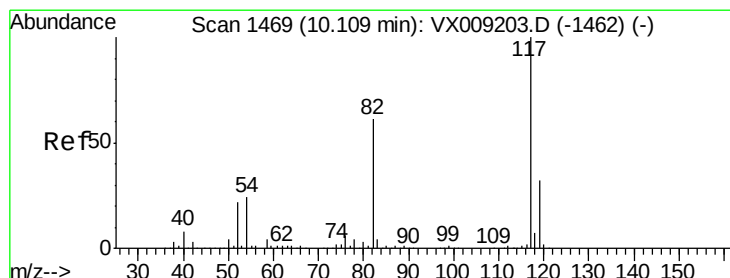
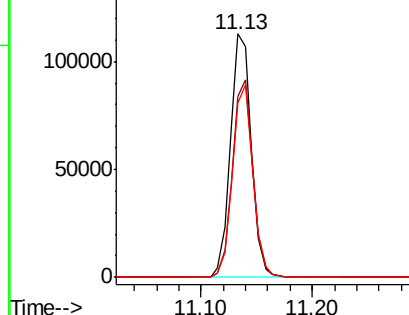
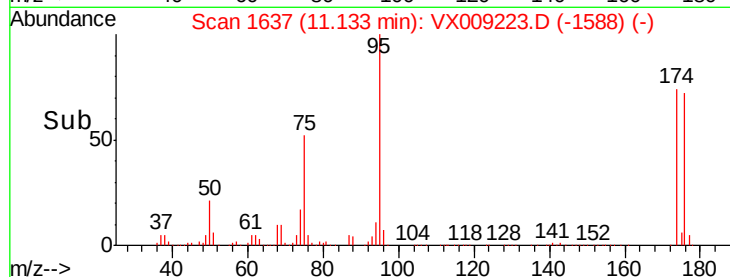
176 77.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009223.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009223.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009223.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009223.D

Acq: 29 Apr 2019 21:26

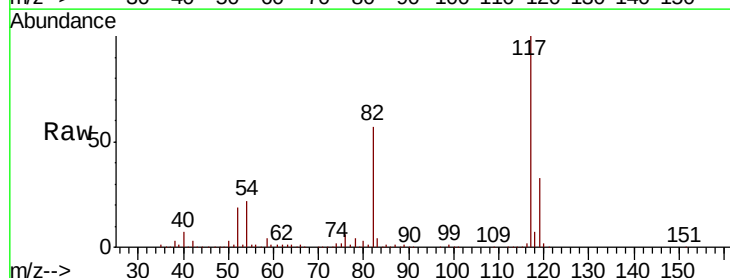
Tgt Ion: 117 Resp: 300825

Ion Ratio Lower Upper

117 100

82 57.3 48.8 73.2

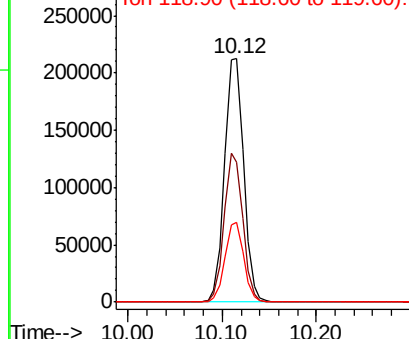
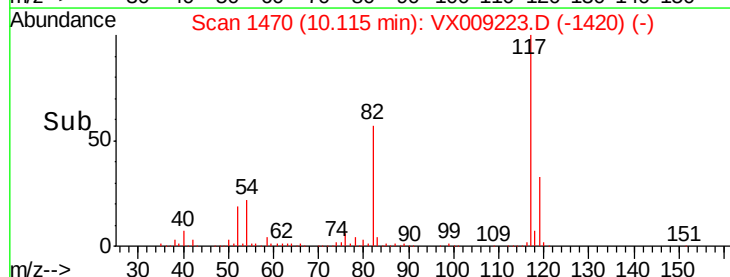
119 32.7 25.8 38.6

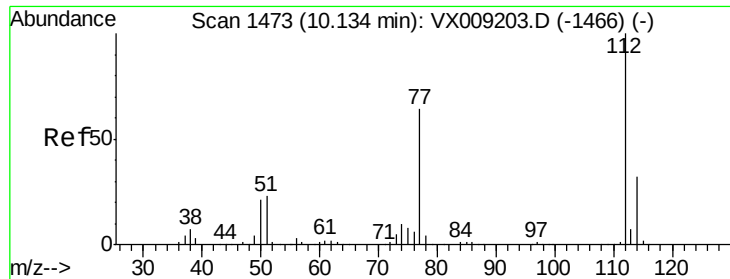


Abundance Ion 116.90 (116.60 to 117.60): VX009223.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009223.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009223.D (-1420) (-)

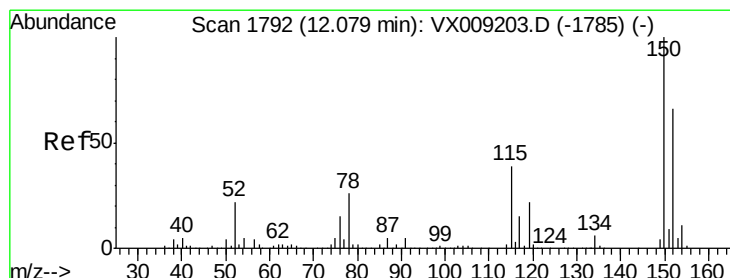
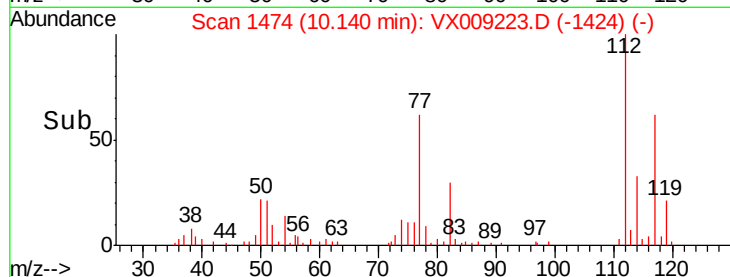
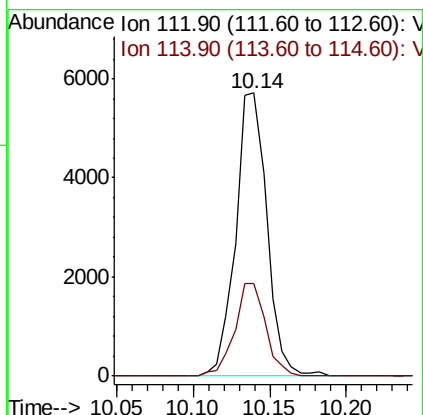
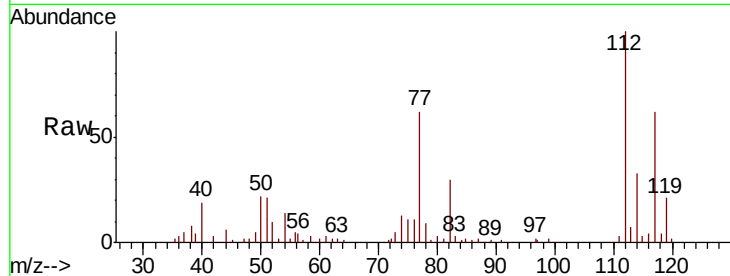




#65
Chlorobenzene
Concen: 1.344 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009223.D
Acq: 29 Apr 2019 21:26

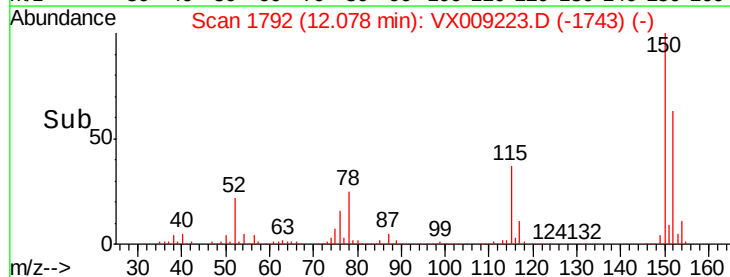
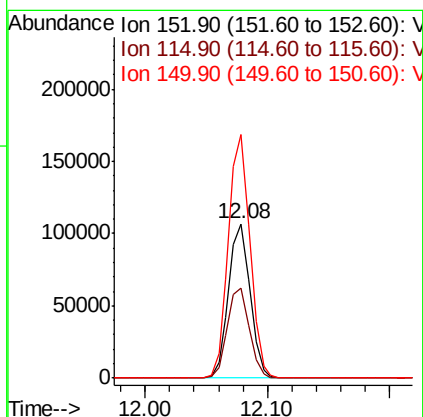
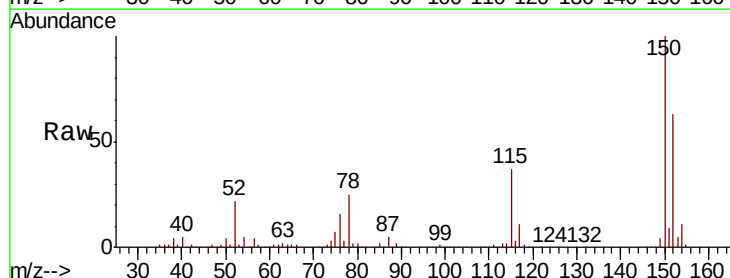
Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-190425

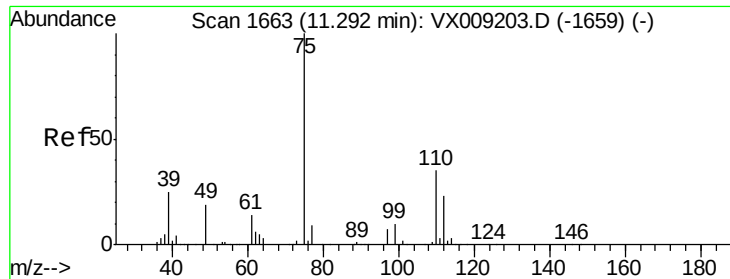
Tgt Ion:112 Resp: 8088
Ion Ratio Lower Upper
112 100
114 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009223.D
Acq: 29 Apr 2019 21:26

Tgt Ion:152 Resp: 129743
Ion Ratio Lower Upper
152 100
115 59.6 41.2 123.6
150 158.2 0.0 346.4

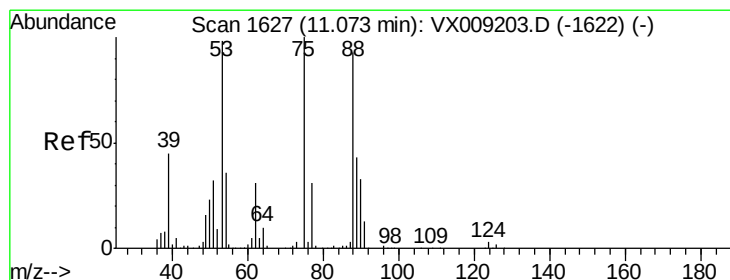
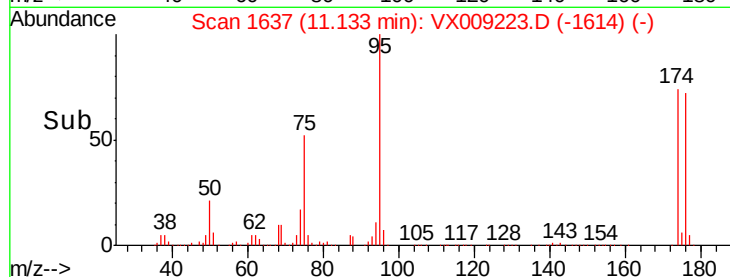
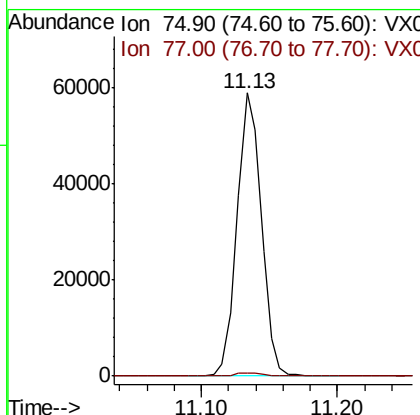
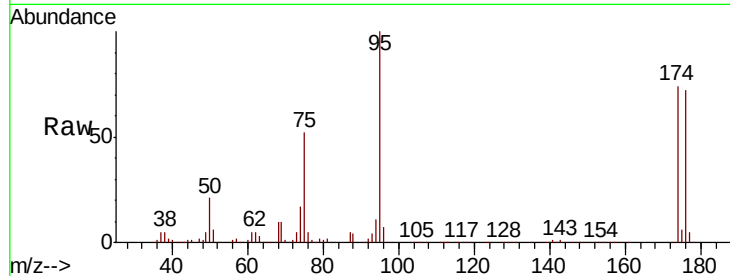




#76
 1,2,3-Trichloropropane
 Concen: 24.402 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

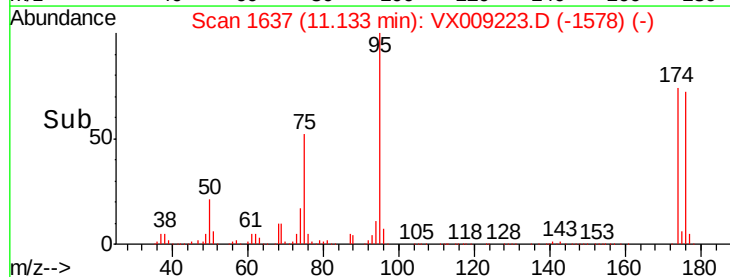
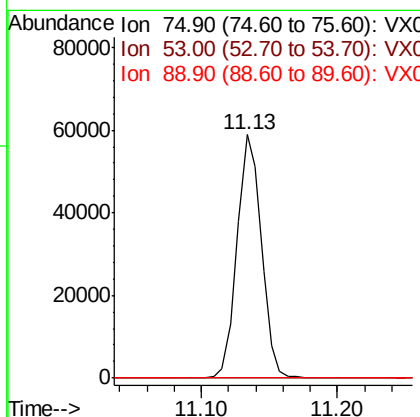
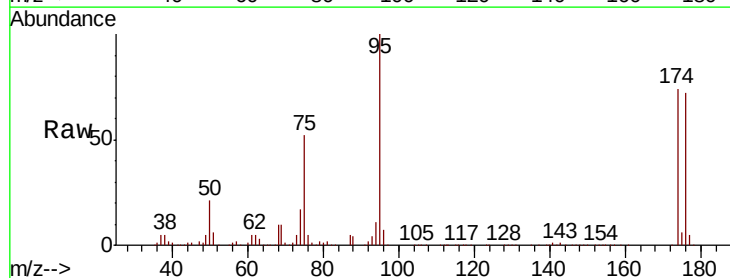
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-190425

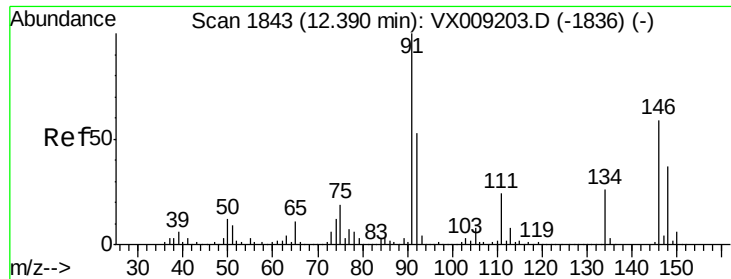
Tgt Ion: 75 Resp: 73439
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.435 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

Tgt Ion: 75 Resp: 73439
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#





#91
 1,2-Dichlorobenzene
 Concen: 0.213 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX009223.D
 Acq: 29 Apr 2019 21:26

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-190425

Tgt Ion:146 Resp: 907
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.8 62.4
 148 68.2 31.9 95.9

