

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX042919\
 Data File : VX009217.D
 Acq On : 29 Apr 2019 19:06
 Operator : JC/SP
 Sample : K2594-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-190423

Quant Time: Apr 30 07:19:22 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	206856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337553	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124311	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	136364	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	5.50	113	102339	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	8.71	98	421316	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.13	95	138239	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	

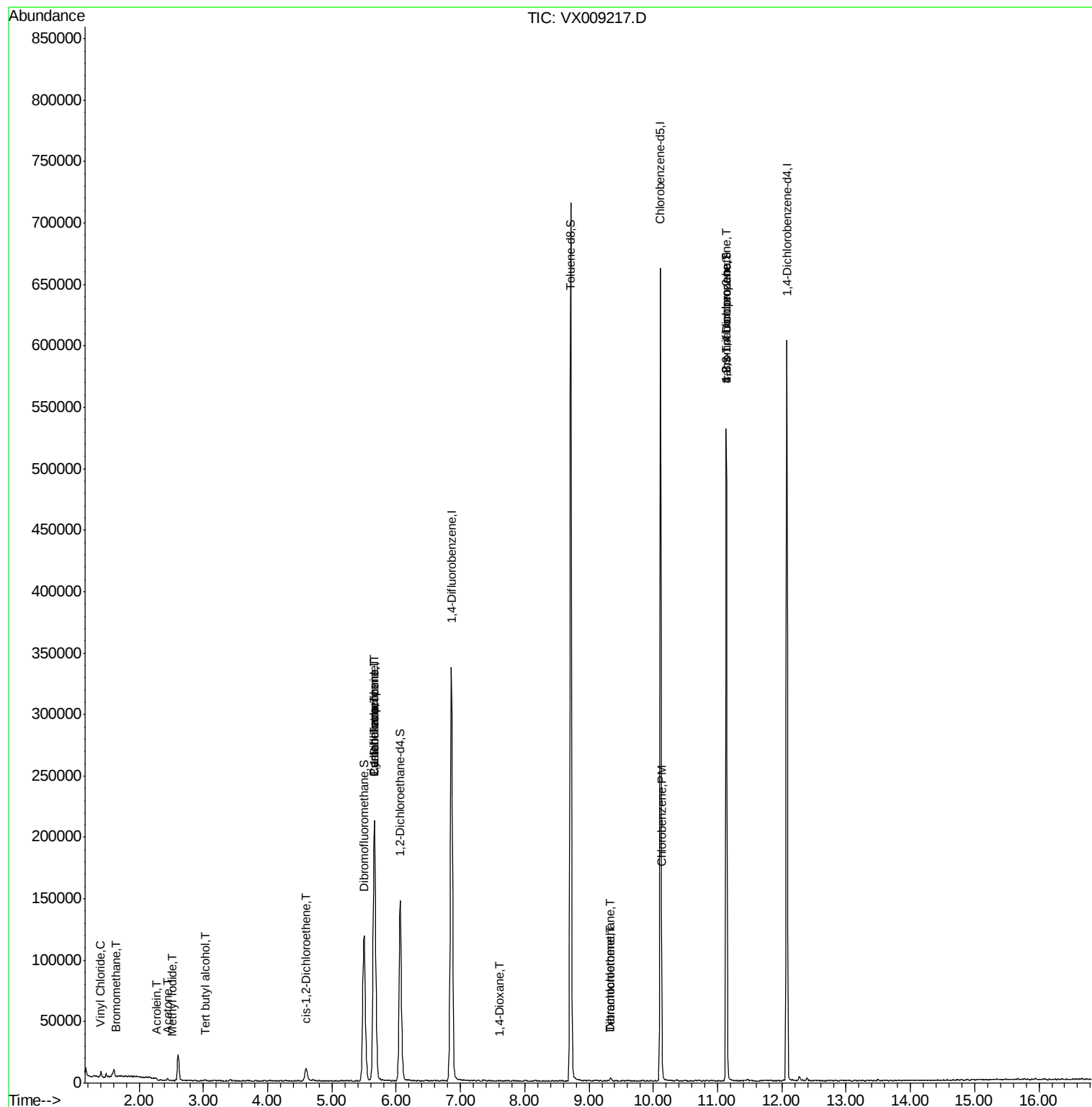
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3286	1.295	ug/l	97
5) Bromomethane	1.64	94	375	0.246	ug/l #	79
10) Methyl Iodide	2.51	142	130	4.646	ug/l #	62
11) Tert butyl alcohol	3.03	59	348	0.532	ug/l #	73
13) Acrolein	2.28	56	190	0.321	ug/l #	29
16) Acetone	2.45	43	2162	1.426	ug/l #	87
27) cis-1,2-Dichloroethene	4.60	96	6513	2.592	ug/l	90
28) Bromochloromethane	4.99	49	79	Below Cal	#	20
31) Cyclohexane	5.66	56	4547	1.089	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16224	5.172	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19608	6.880	ug/l #	15
49) 1,4-Dioxane	7.62	88	22	0.313	ug/l #	1
60) Dibromochloromethane	9.33	129	556	0.236	ug/l #	11
64) Tetrachloroethene	9.33	164	499	0.247	ug/l #	66
65) Chlorobenzene	10.13	112	1661	0.282	ug/l #	78
76) 1,2,3-Trichloropropane	11.13	75	71515	24.801	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71515	63.457	ug/l #	10

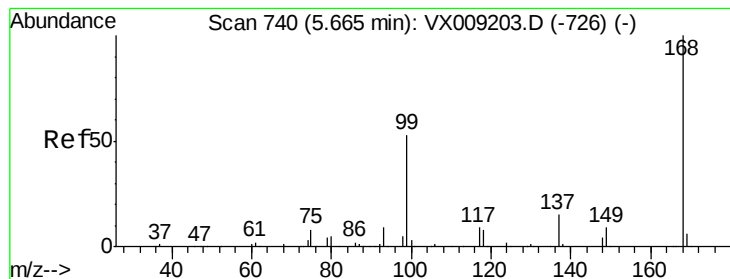
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
Data File : VX009217.D
Acq On : 29 Apr 2019 19:06
Operator : JC/SP
Sample : K2594-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-190423

Quant Time: Apr 30 07:19:22 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: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

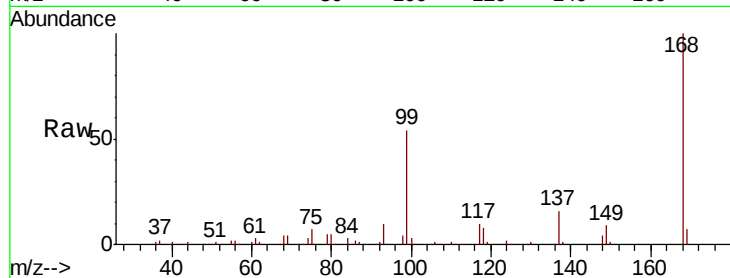
WP021MW173-190423

Tgt Ion:168 Resp: 206856

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

5.66

80000

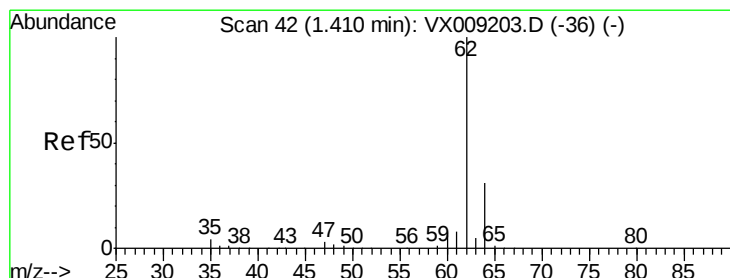
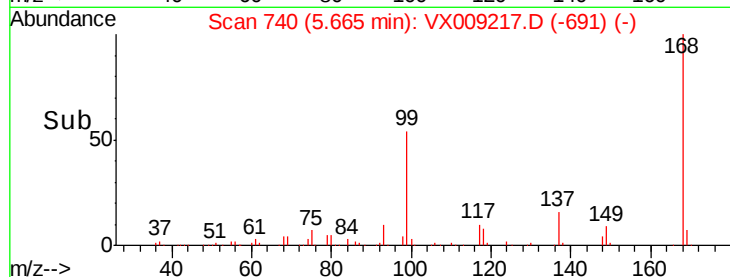
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.295 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009217.D

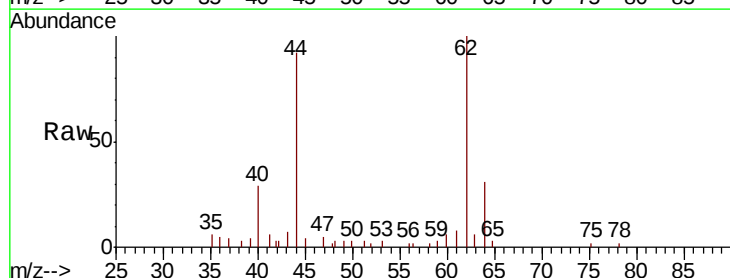
Acq: 29 Apr 2019 19:06

Tgt Ion: 62 Resp: 3286

Ion Ratio Lower Upper

62 100

64 28.9 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

3000

2500

2000

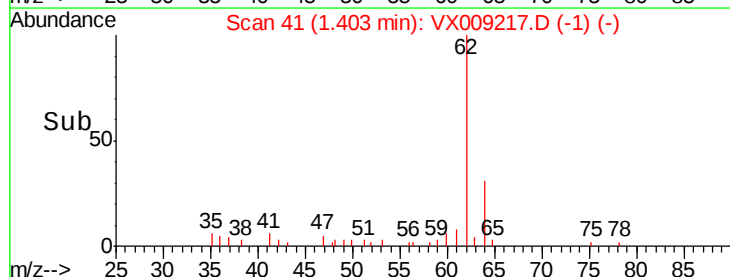
1500

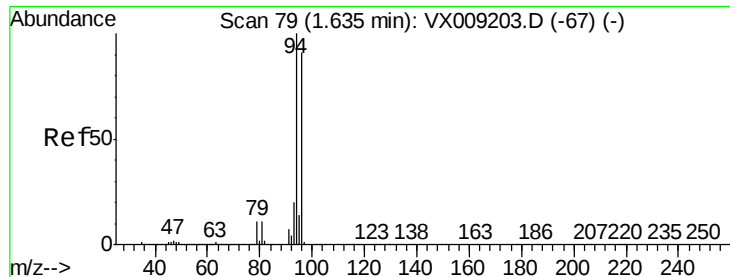
1000

500

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.246 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

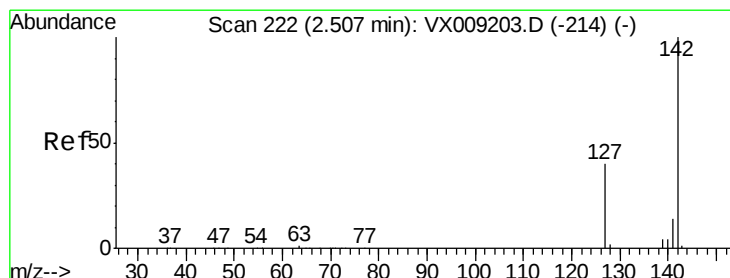
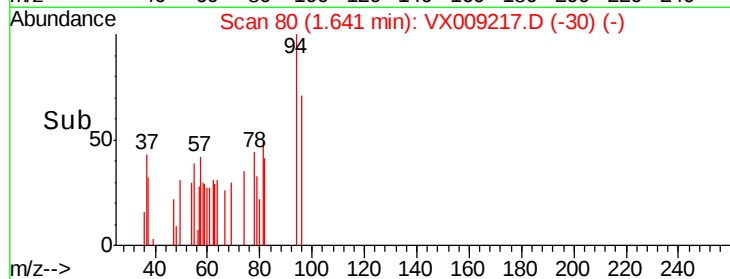
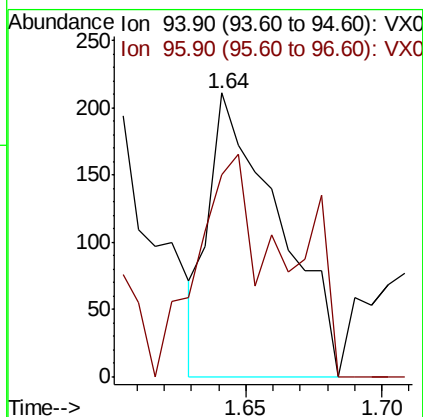
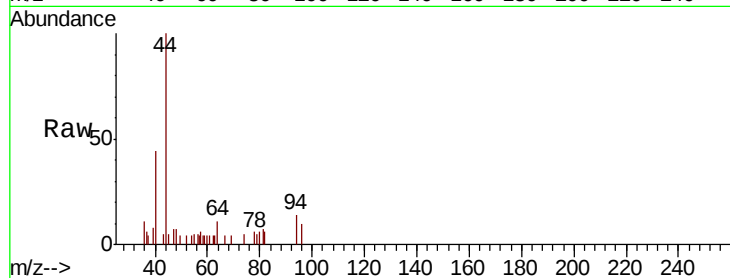
WP021MW173-190423

Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

94 100

96 71.1 73.0 109.6#



#10

Methyl Iodide

Concen: 4.646 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

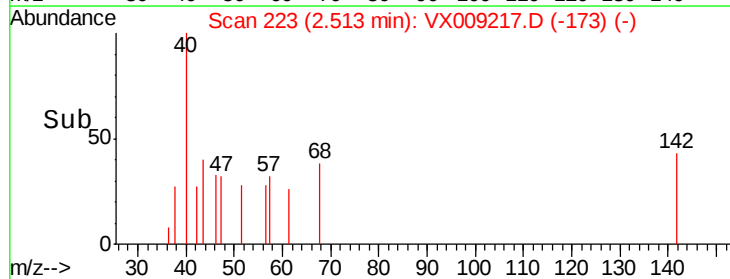
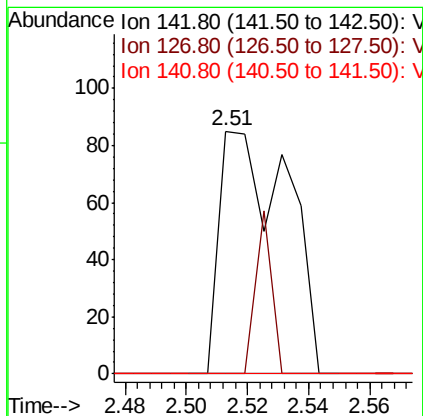
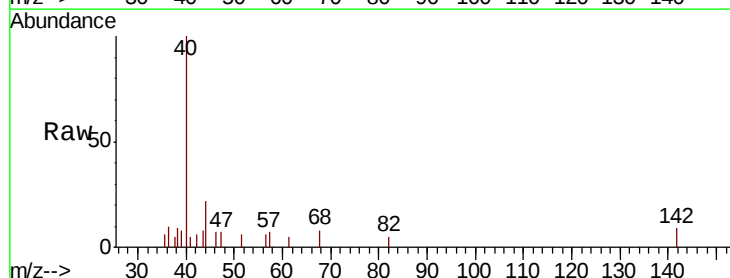
Tgt Ion: 142 Resp: 130

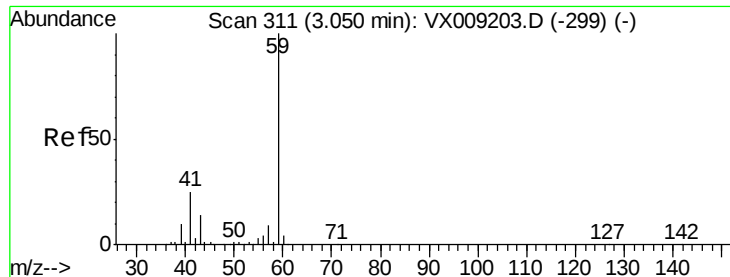
Ion Ratio Lower Upper

142 100

127 16.2 32.7 49.1#

141 0.0 11.5 17.3#



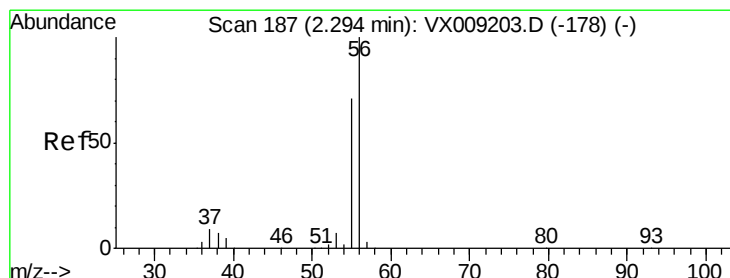
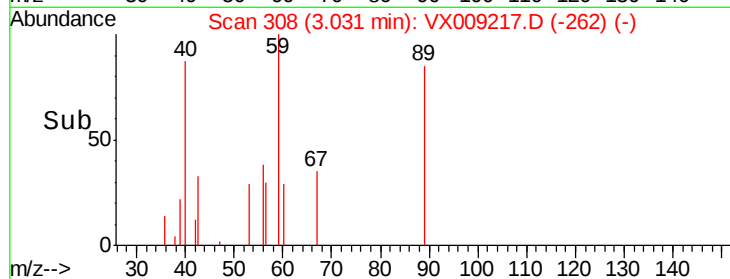
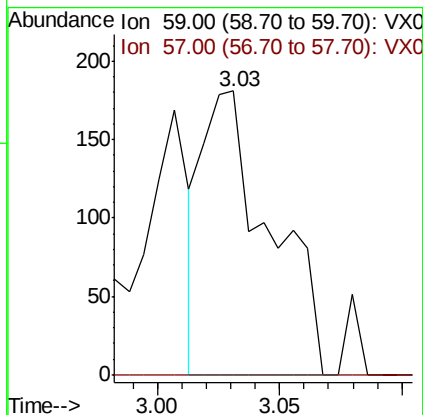
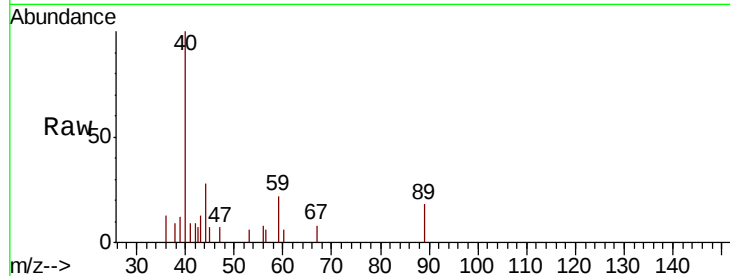


#11

Tert butyl alcohol
Concen: 0.532 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009217.D
Acq: 29 Apr 2019 19:06

Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-190423

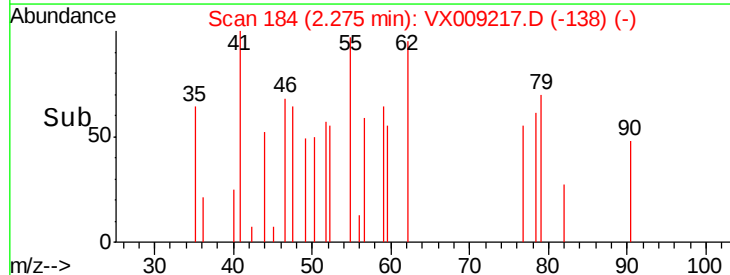
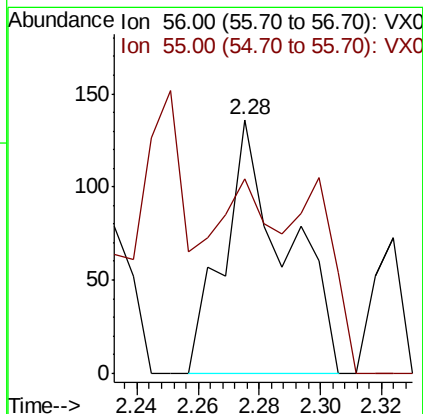
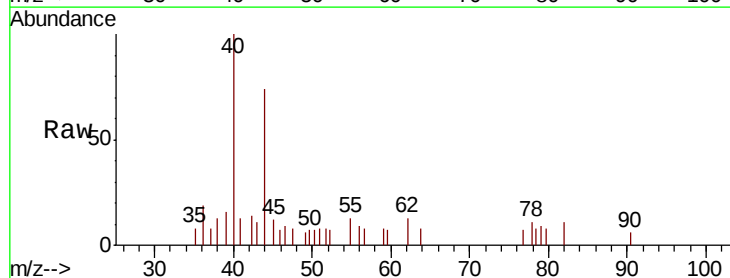
Tgt Ion: 59 Resp: 348
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

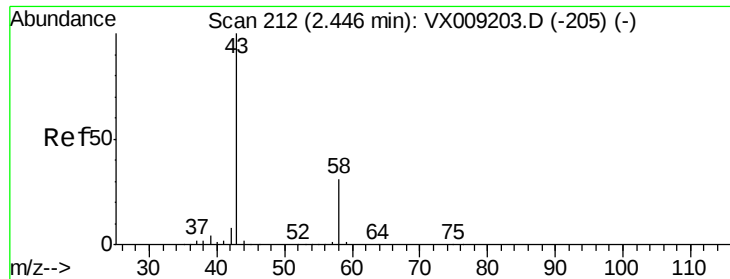


#13

Acrolein
Concen: 0.321 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX009217.D
Acq: 29 Apr 2019 19:06

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 12.1 56.6 85.0#





#16

Acetone

Concen: 1.426 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

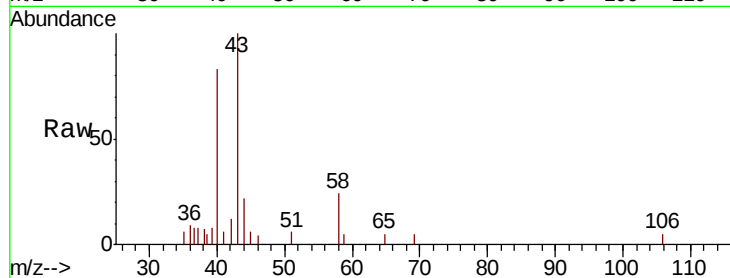
WP021MW173-190423

Tgt Ion: 43 Resp: 2162

Ion Ratio Lower Upper

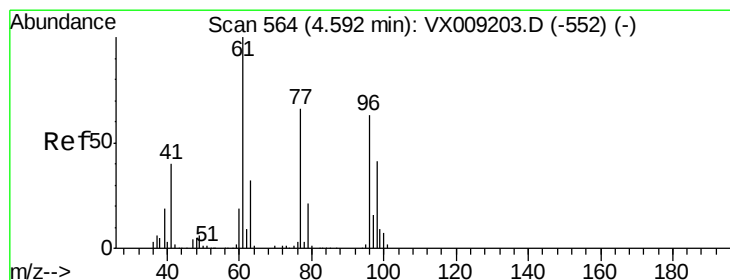
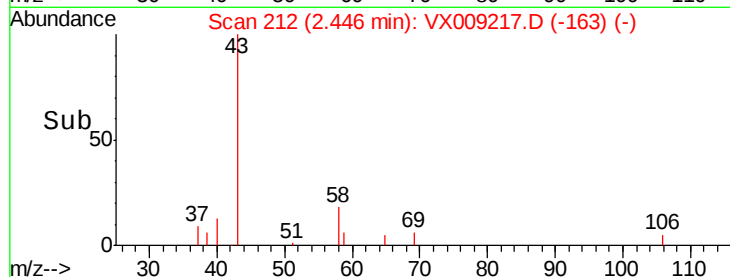
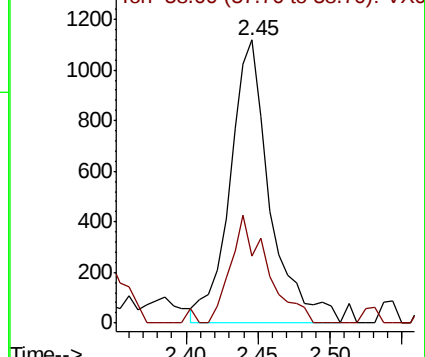
43 100

58 23.8 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: 2.592 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

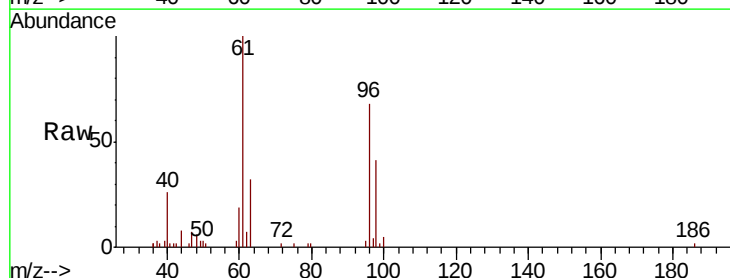
Tgt Ion: 96 Resp: 6513

Ion Ratio Lower Upper

96 100

61 143.3 0.0 324.0

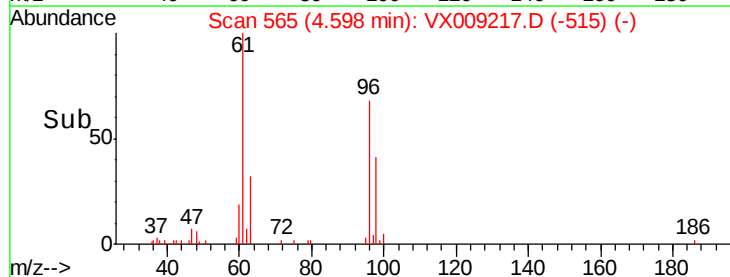
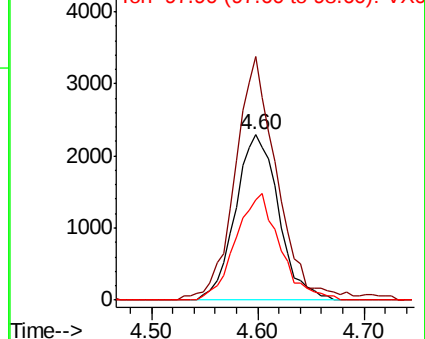
98 66.3 0.0 130.4

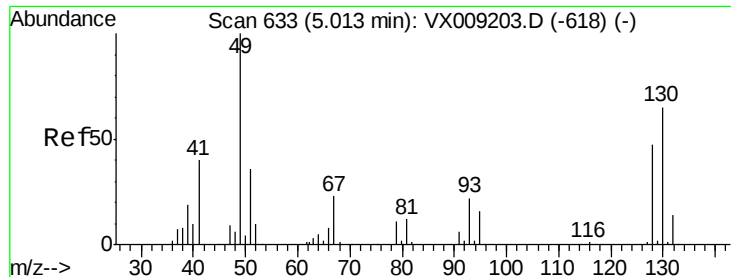


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-190423

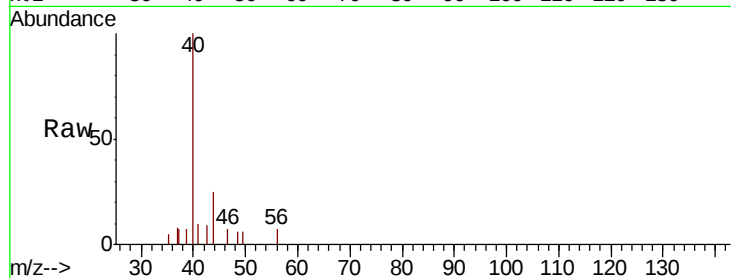
Tgt Ion: 49 Resp: 79

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

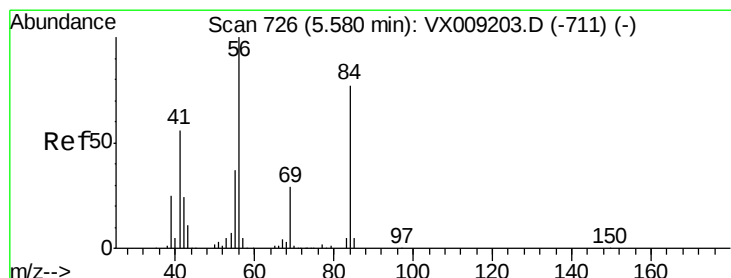
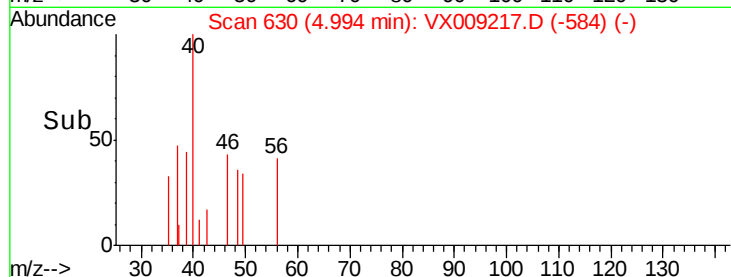
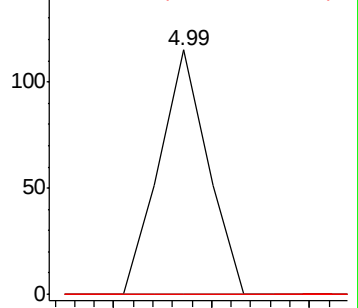
130 0.0 51.2 76.8#



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: 1.089 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

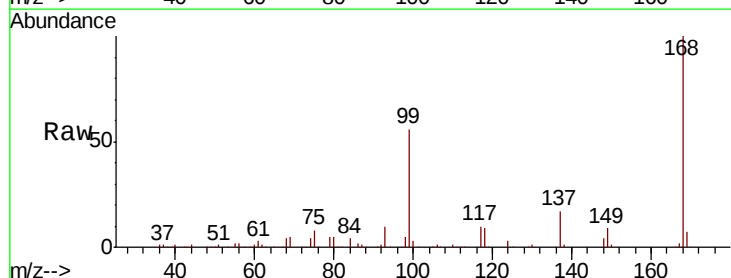
Tgt Ion: 56 Resp: 4547

Ion Ratio Lower Upper

56 100

69 200.6 23.4 35.0#

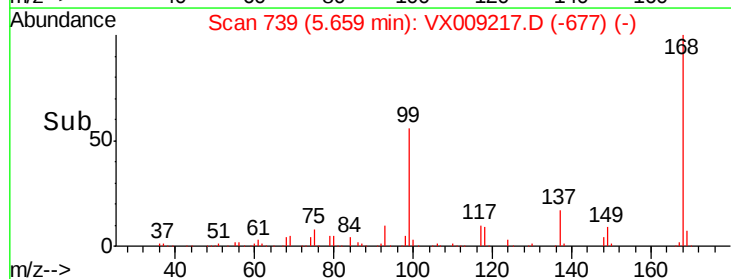
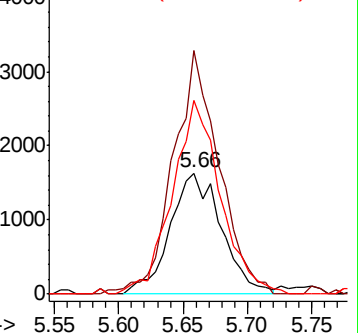
84 156.6 61.9 92.9#



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: 48.290 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

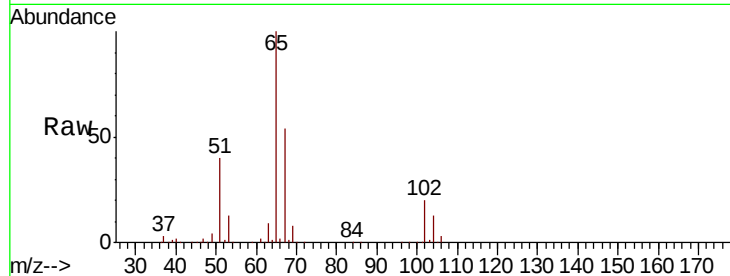
WP021MW173-190423

Tgt Ion: 65 Resp: 136364

Ion Ratio Lower Upper

65 100

67 54.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

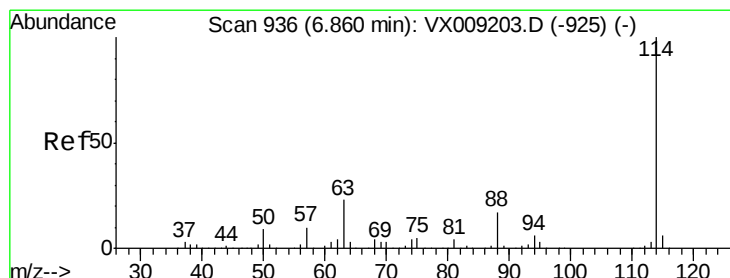
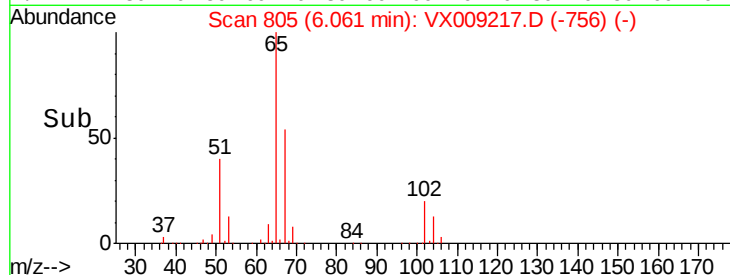
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

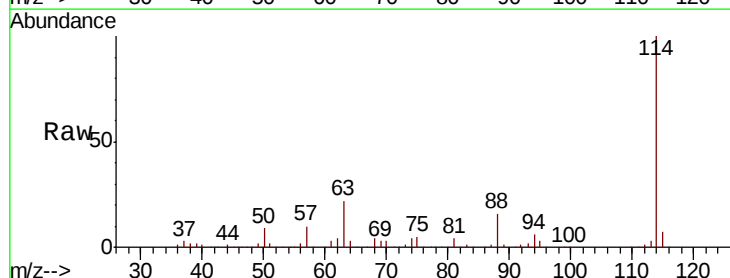
Tgt Ion: 114 Resp: 337553

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.0 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

6.86

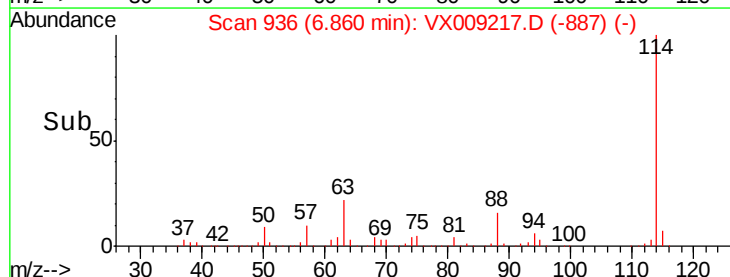
150000

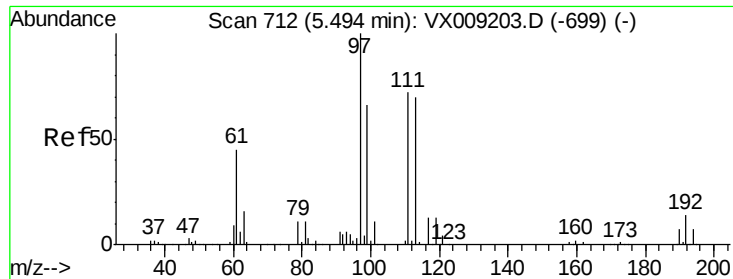
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

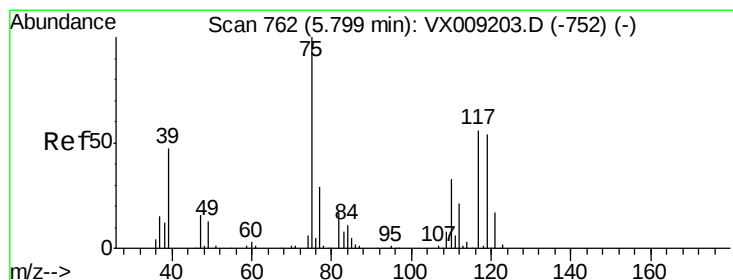
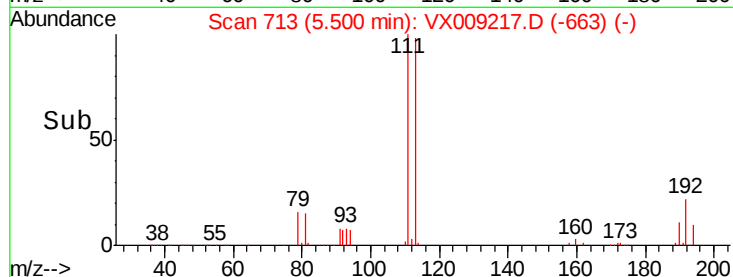
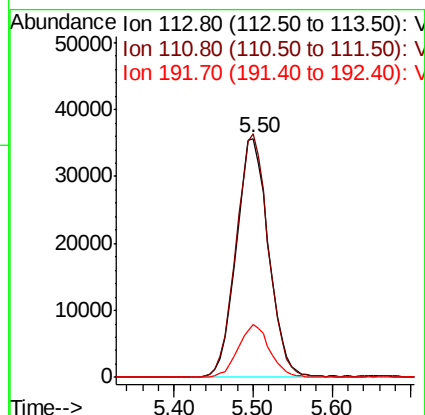
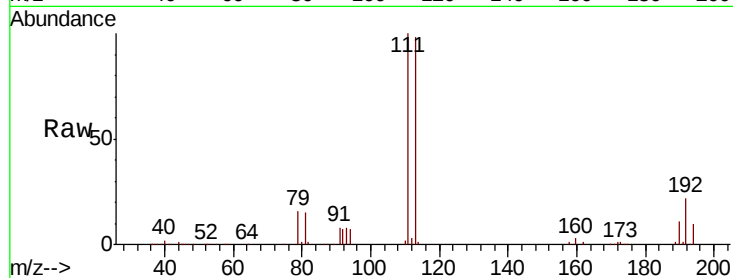




#35
 Dibromofluoromethane
 Concen: 48.228 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009217.D
 Acq: 29 Apr 2019 19:06

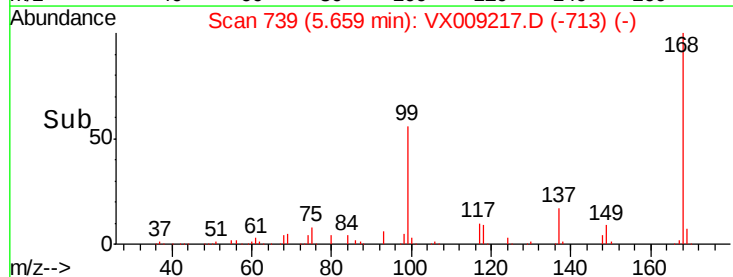
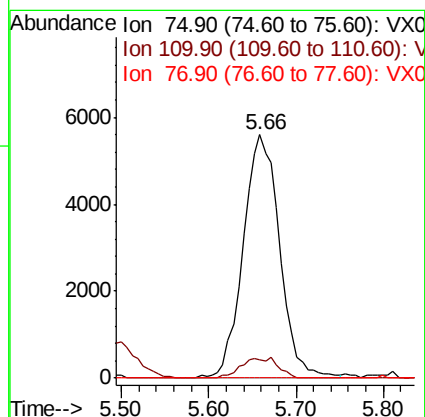
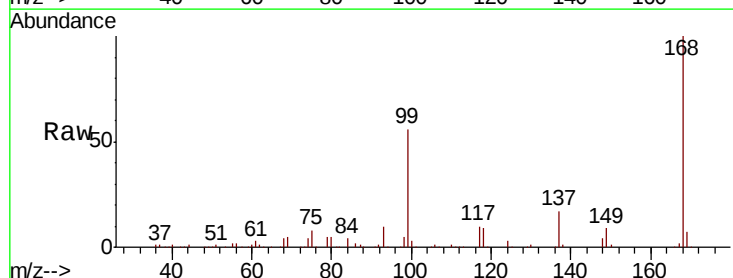
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-190423

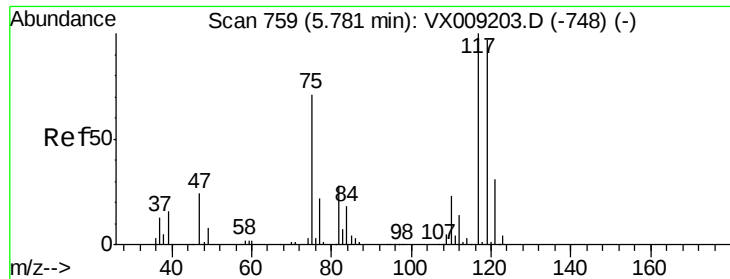
Tgt Ion:113 Resp: 102339
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.8 124.2
 192 21.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.172 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009217.D
 Acq: 29 Apr 2019 19:06

Tgt Ion: 75 Resp: 16224
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.8 37.2#

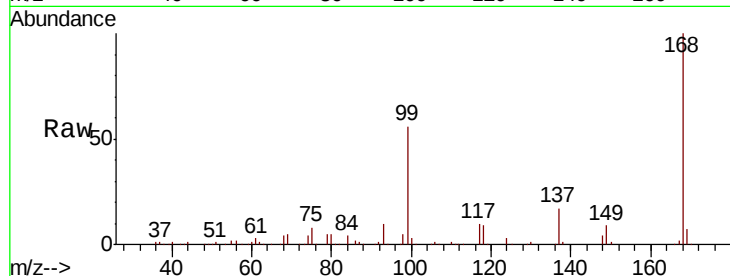




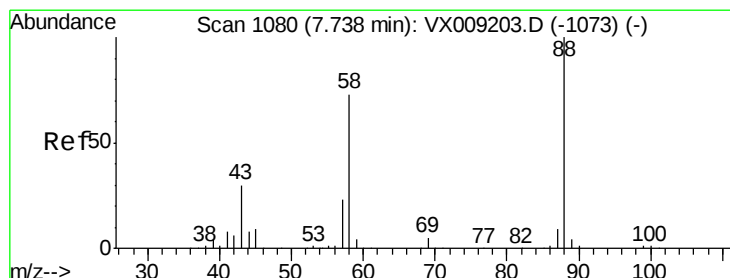
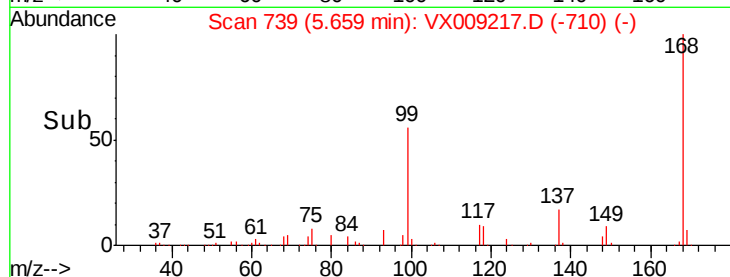
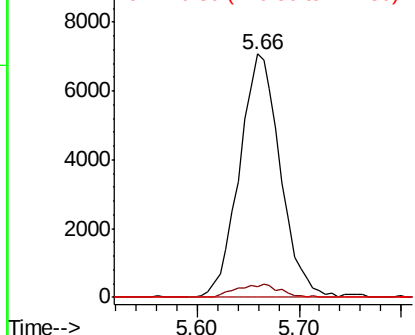
#38
Carbon Tetrachloride
Concen: 6.880 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009217.D
Acq: 29 Apr 2019 19:06

Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-190423

Tgt Ion: 117 Resp: 19608
Ion Ratio Lower Upper
117 100
119 4.4 77.5 116.3#
121 0.0 24.7 37.1#

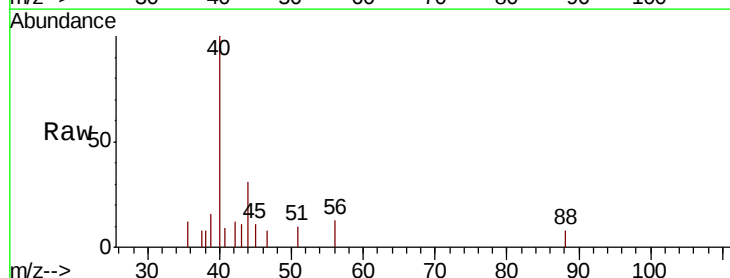


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

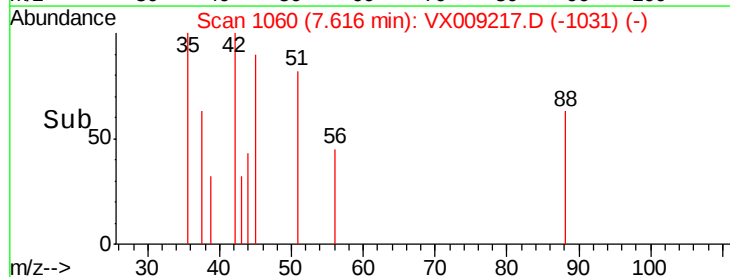
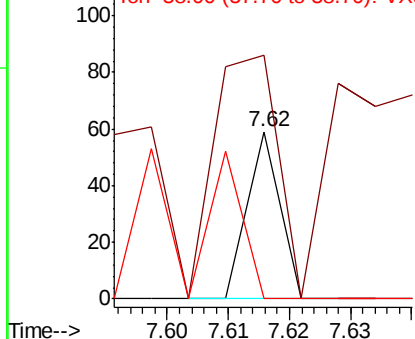


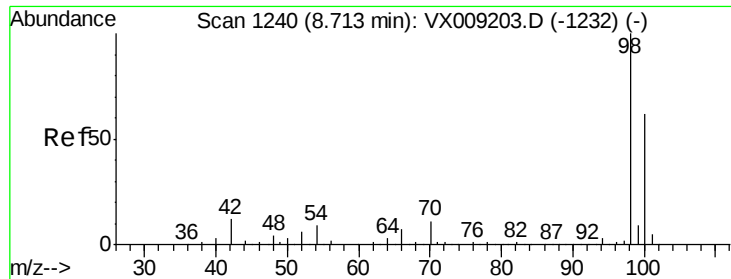
#49
1,4-Dioxane
Concen: 0.313 ug/l
RT: 7.62 min Scan# 1060
Delta R.T. -0.12 min
Lab File: VX009217.D
Acq: 29 Apr 2019 19:06

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 277.3 28.6 42.8#
58 172.7 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

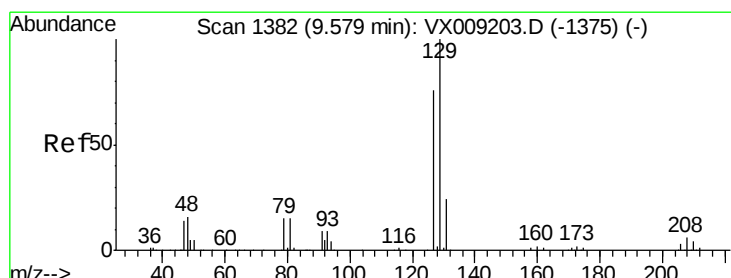
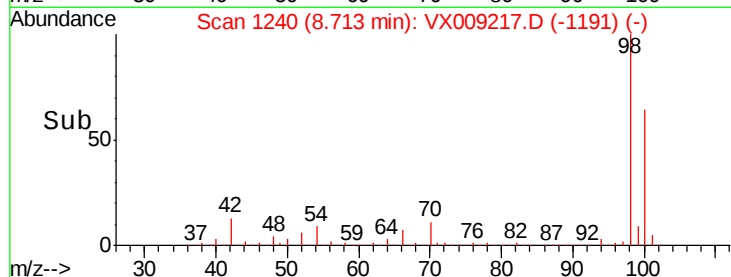
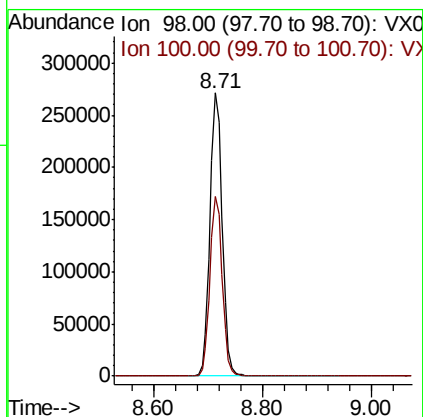
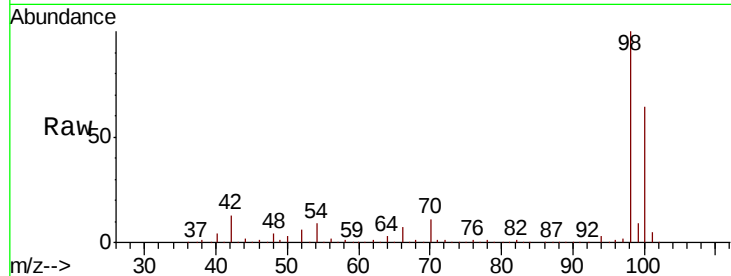




#50
Toluene-d8
Concen: 49.179 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009217.D
Acq: 29 Apr 2019 19:06

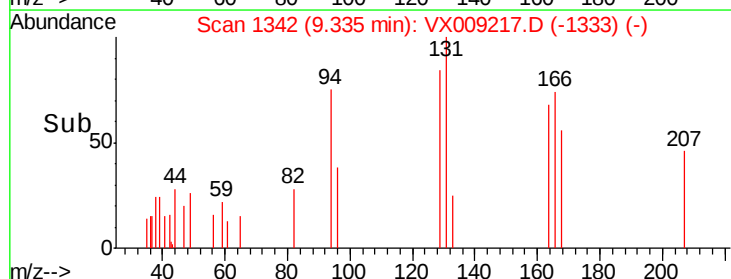
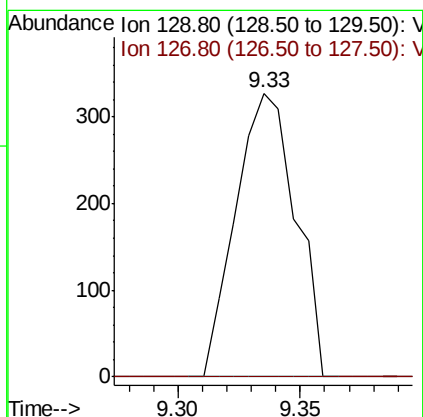
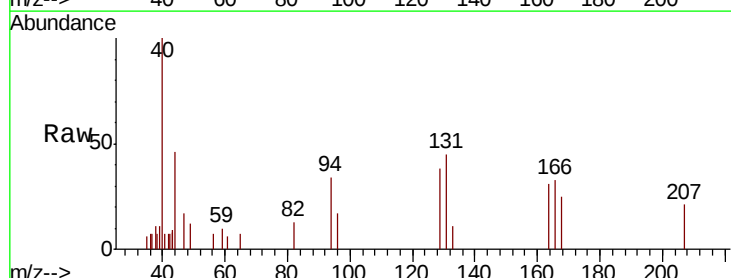
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-190423

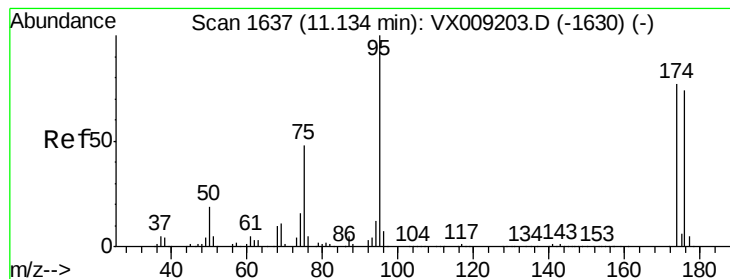
Tgt Ion: 98 Resp: 421316
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#60
Dibromochloromethane
Concen: 0.236 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009217.D
Acq: 29 Apr 2019 19:06

Tgt Ion: 129 Resp: 556
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 44.408 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-190423

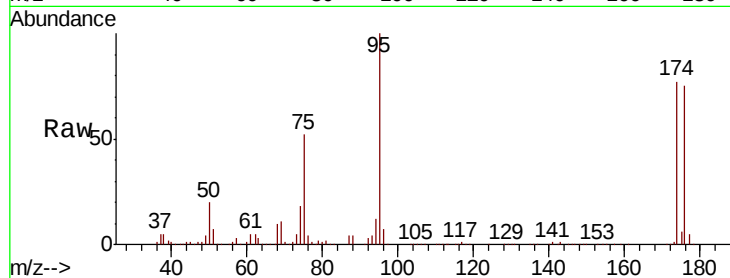
Tgt Ion: 95 Resp: 138239

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

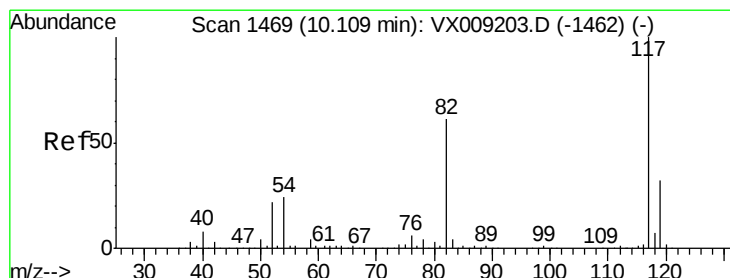
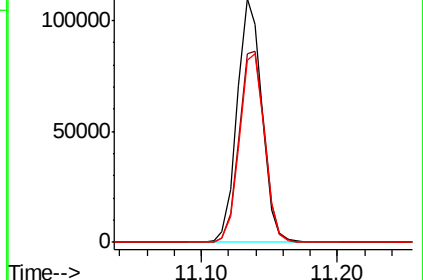
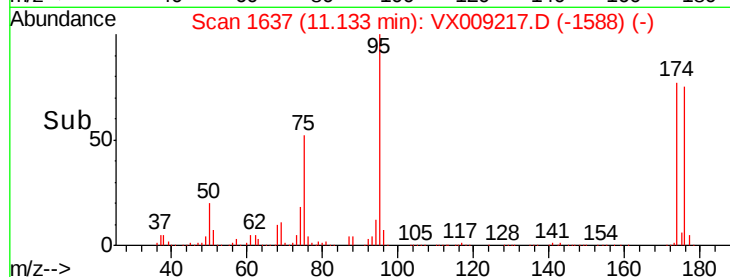
176 78.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009217.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009217.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009217.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

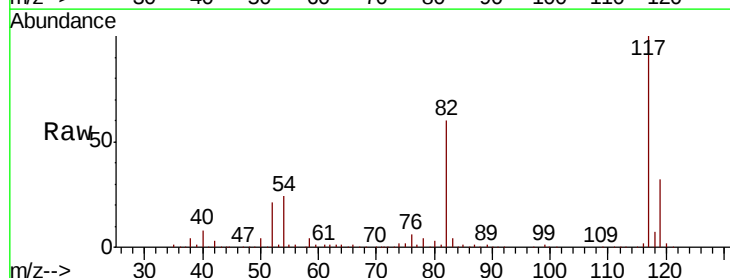
Tgt Ion: 117 Resp: 293984

Ion Ratio Lower Upper

117 100

82 60.2 48.8 73.2

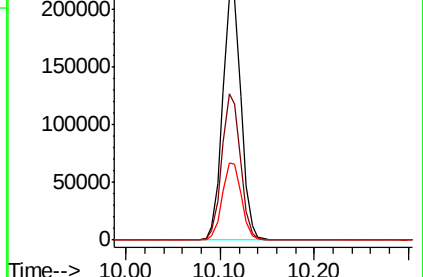
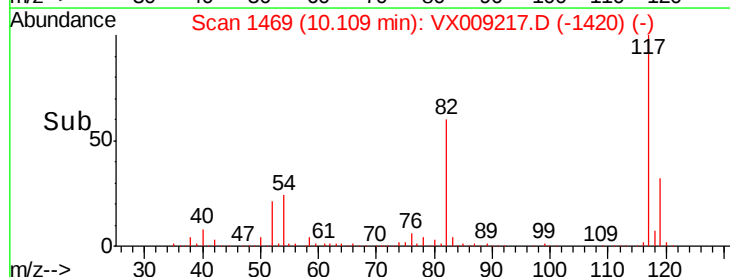
119 31.6 25.8 38.6

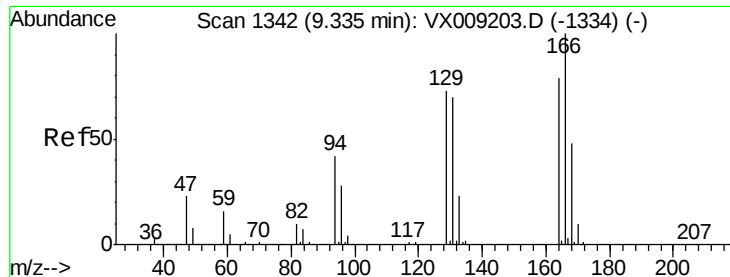


Abundance Ion 116.90 (116.60 to 117.60): VX009217.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009217.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009217.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.247 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-190423

Tgt Ion:164 Resp: 499

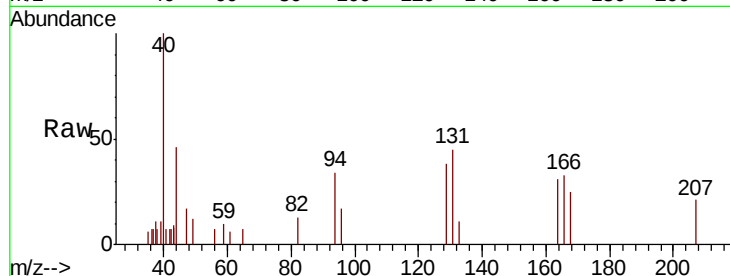
Ion Ratio Lower Upper

164 100

166 108.7 101.2 151.8

129 123.9 74.3 111.5#

131 147.0 71.0 106.6#



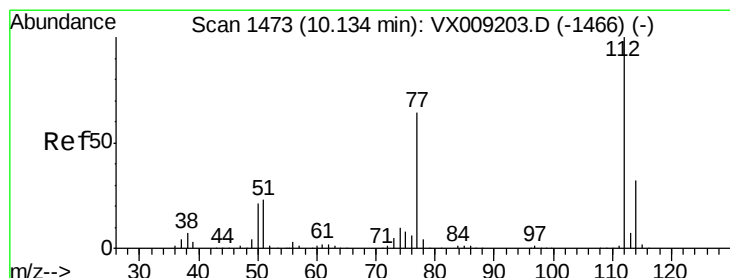
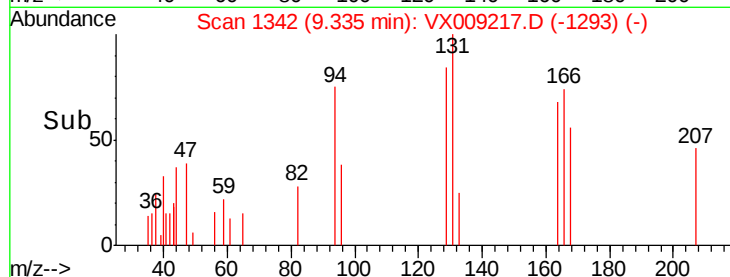
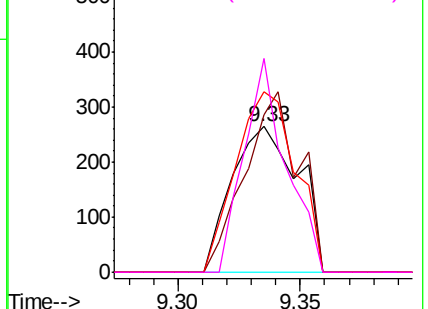
Abundance

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



#65

Chlorobenzene

Concen: 0.282 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009217.D

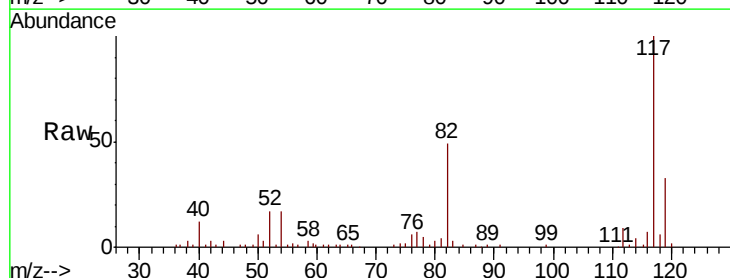
Acq: 29 Apr 2019 19:06

Tgt Ion:112 Resp: 1661

Ion Ratio Lower Upper

112 100

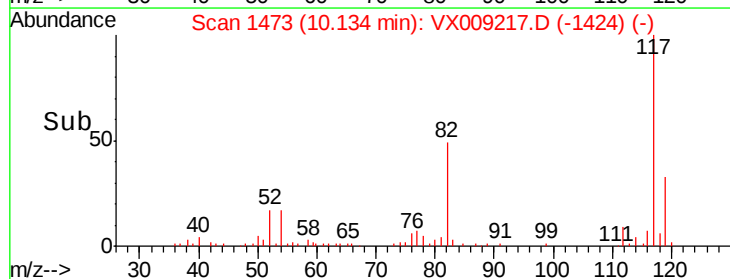
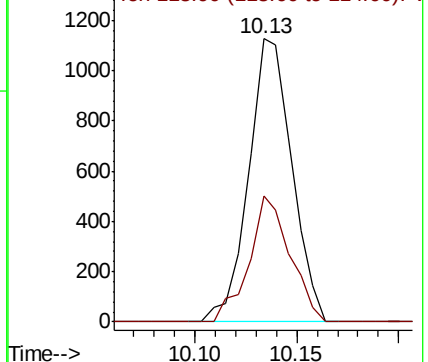
114 44.3 25.5 38.3#

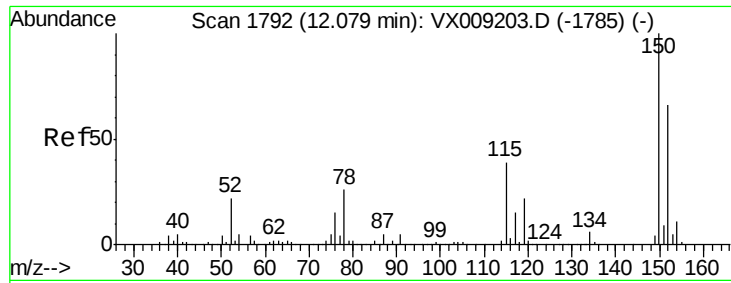


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-190423

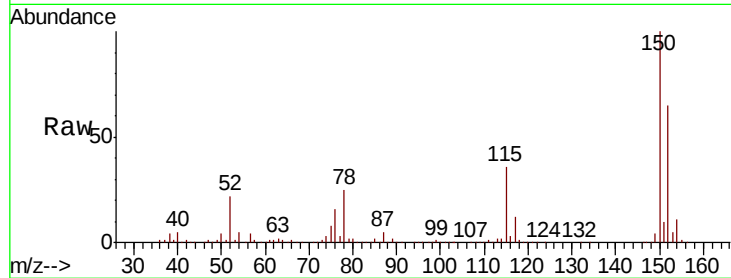
Tgt Ion:152 Resp: 124311

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

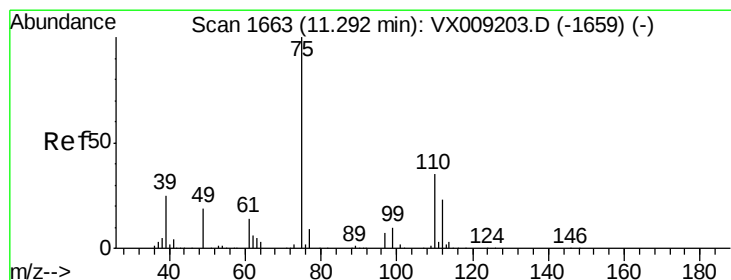
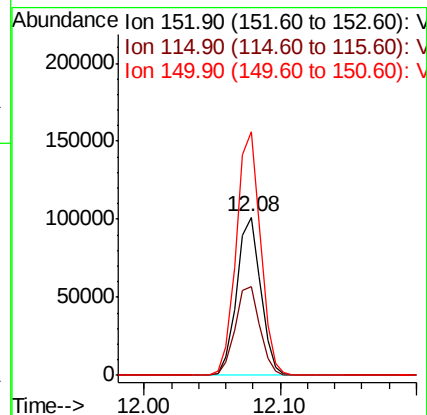
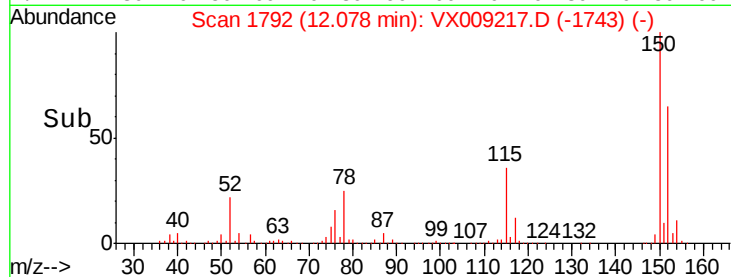
150 156.1 0.0 346.4



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: 24.801 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009217.D

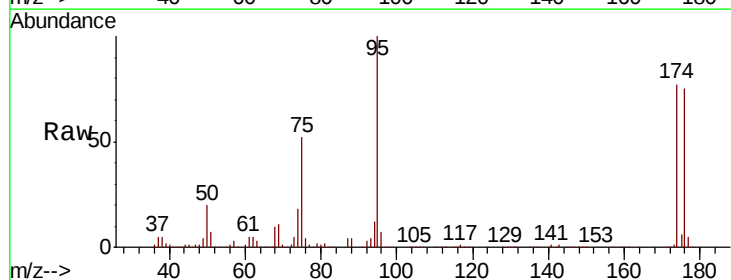
Acq: 29 Apr 2019 19:06

Tgt Ion: 75 Resp: 71515

Ion Ratio Lower Upper

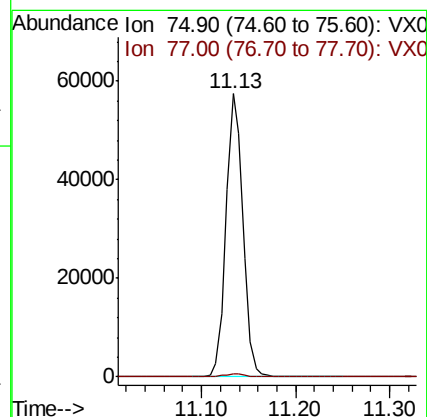
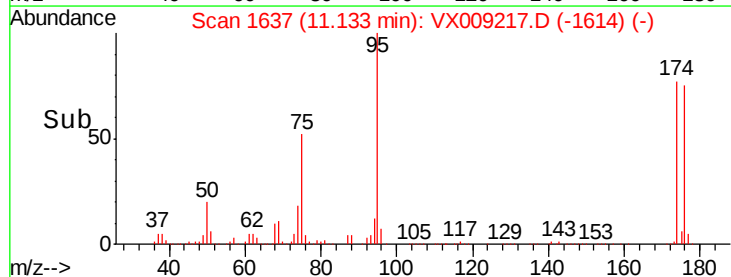
75 100

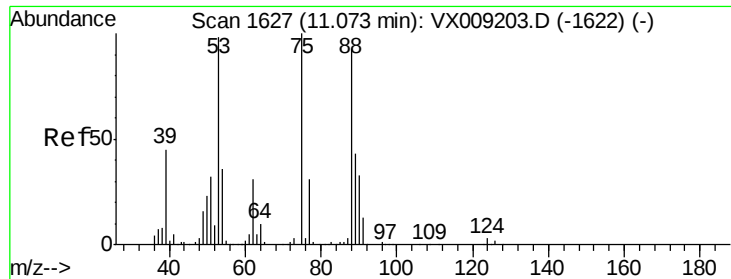
77 1.4 22.1 66.1#



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: 63.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009217.D

Acq: 29 Apr 2019 19:06

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-190423

Tgt Ion: 75 Resp: 71515

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

