

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
 Data File : VX009218.D
 Acq On : 29 Apr 2019 19:29
 Operator : JC/SP
 Sample : K2594-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW174-190423

Quant Time: Apr 30 07:19:34 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	209926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106240	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	135816	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
35) Dibromofluoromethane	5.50	113	101649	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
50) Toluene-d8	8.71	98	415988	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	128116	41.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.30%	

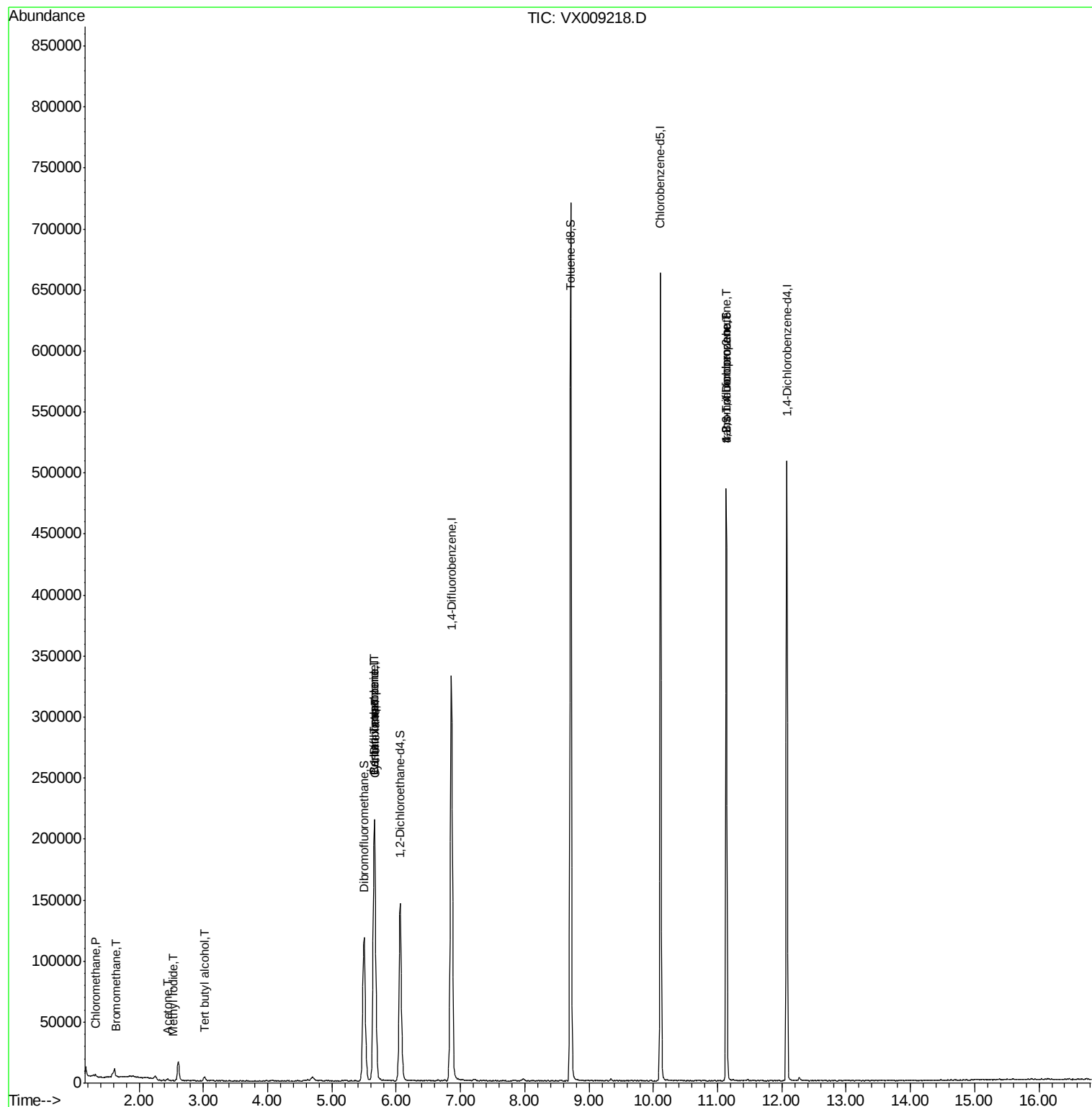
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1505	0.570	ug/l	94
5) Bromomethane	1.64	94	360	0.233	ug/l	100
10) Methyl Iodide	2.53	142	137	4.648	ug/l #	84
11) Tert butyl alcohol	3.01	59	2250	3.392	ug/l #	75
16) Acetone	2.45	43	1833	1.191	ug/l	92
28) Bromochloromethane	5.02	49	39	Below Cal	#	20
31) Cyclohexane	5.67	56	4629	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16450	5.307	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19225	6.826	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	65152	26.437	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65152	67.644	ug/l #	10

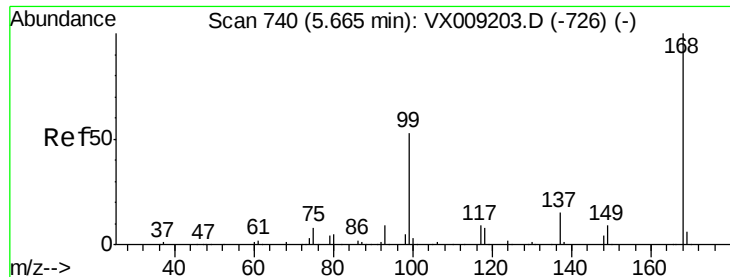
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
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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: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

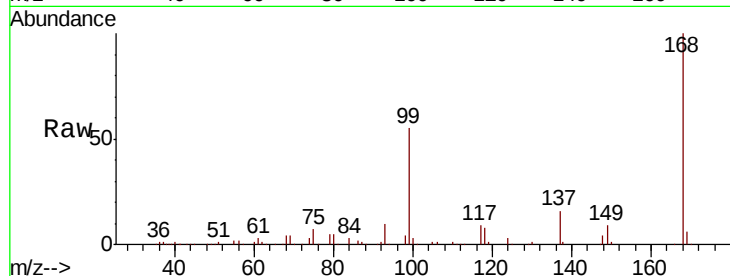
WP021MW174-190423

Tgt Ion:168 Resp: 209926

Ion Ratio Lower Upper

168 100

99 54.5 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

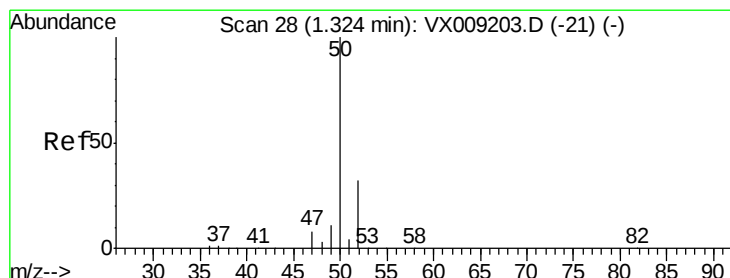
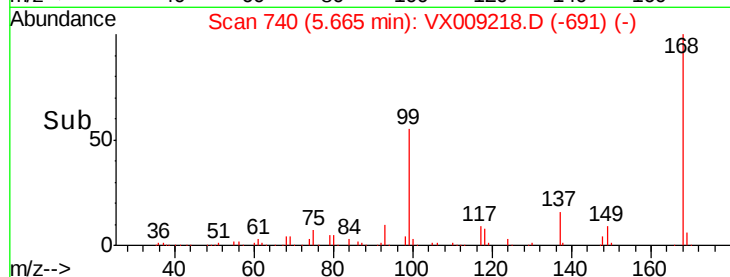
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.570 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009218.D

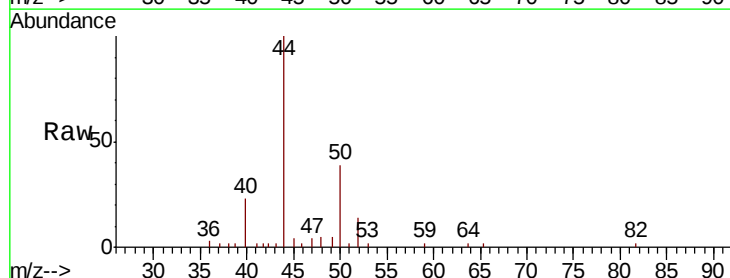
Acq: 29 Apr 2019 19:29

Tgt Ion: 50 Resp: 1505

Ion Ratio Lower Upper

50 100

52 35.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

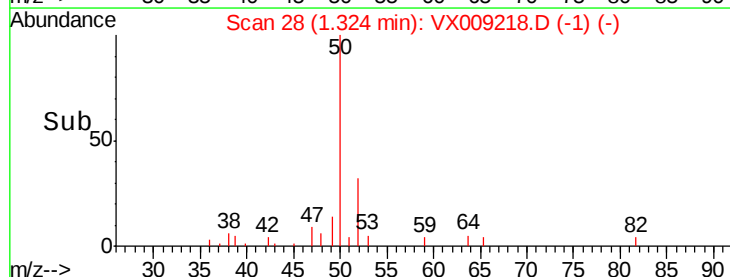
1500

1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

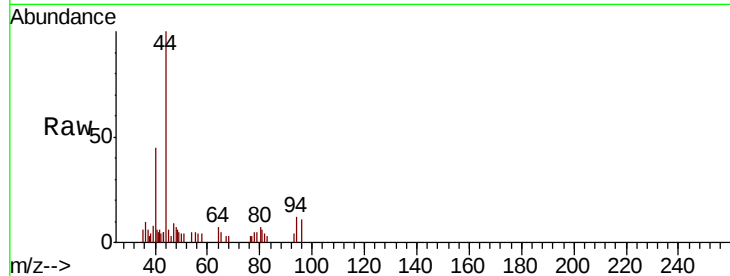
WP021MW174-190423

Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

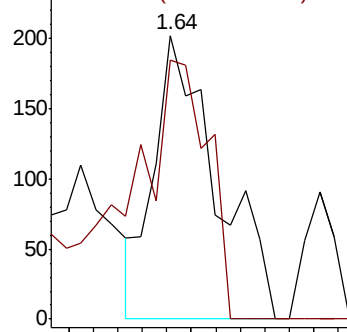
94 100

96 91.6 73.0 109.6

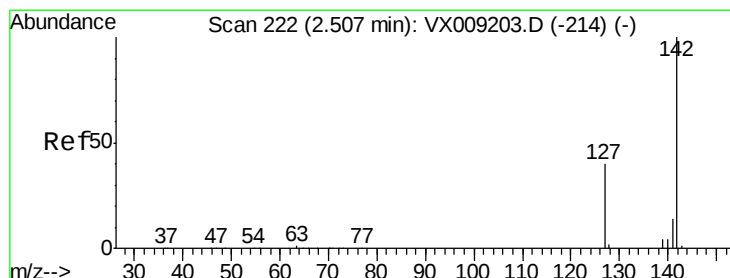
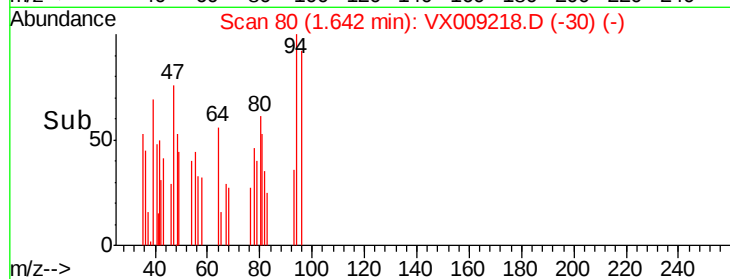


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.648 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

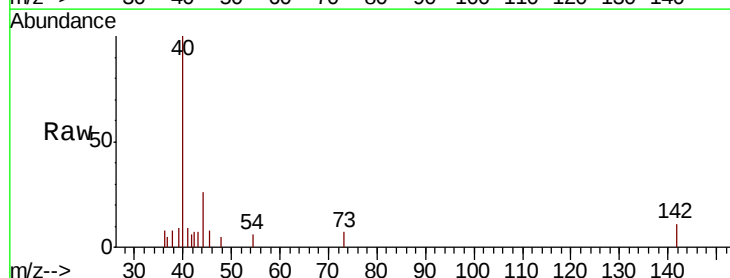
Tgt Ion: 142 Resp: 137

Ion Ratio Lower Upper

142 100

127 35.0 32.7 49.1

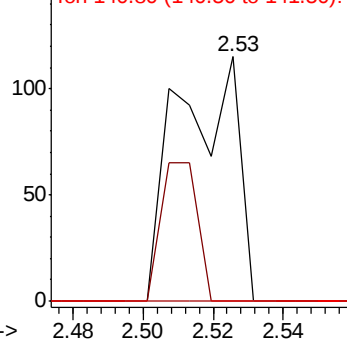
141 0.0 11.5 17.3#



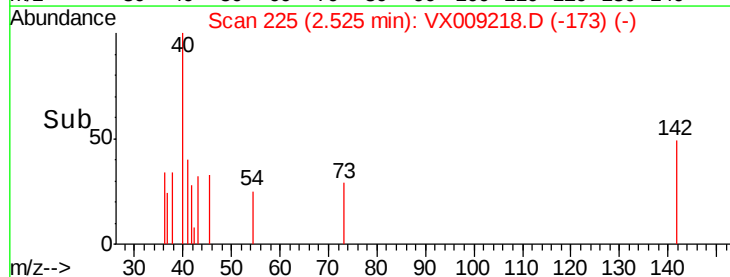
Abundance Ion 141.80 (141.50 to 142.50): V

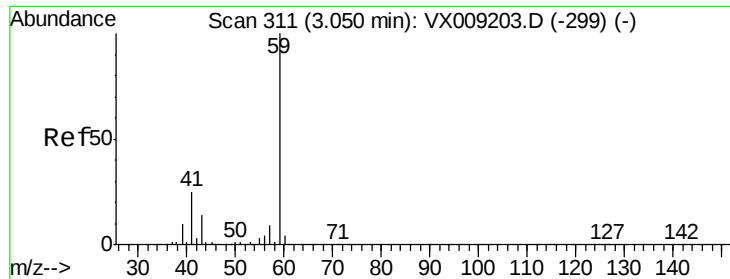
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

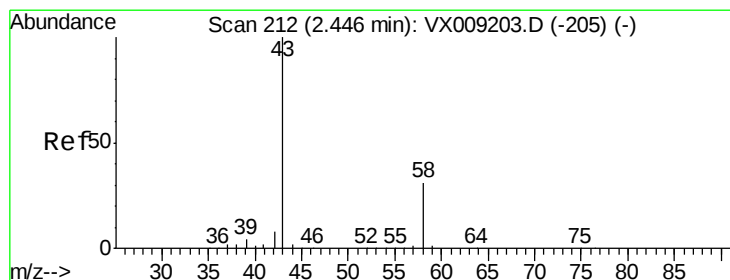
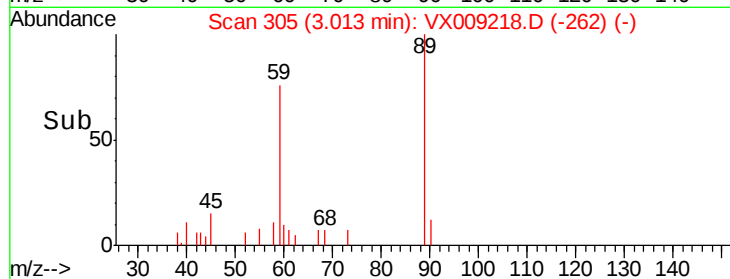
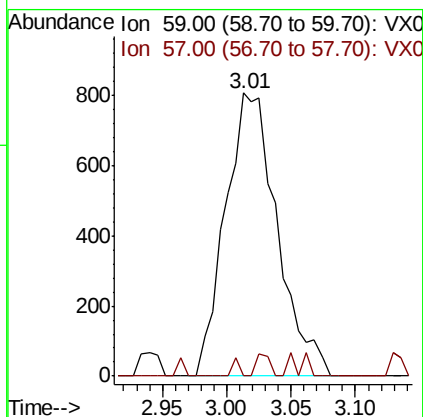
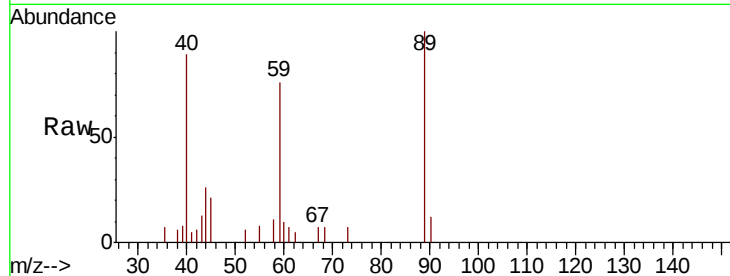




#11
Tert butyl alcohol
Concen: 3.392 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009218.D
Acq: 29 Apr 2019 19:29

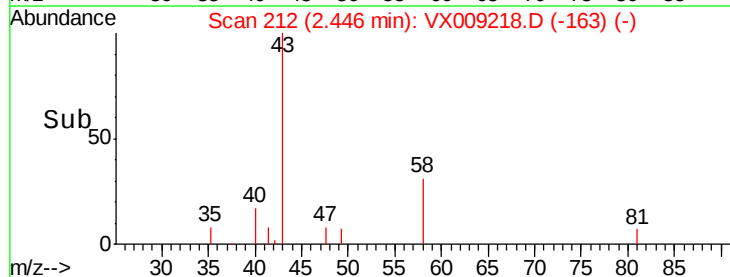
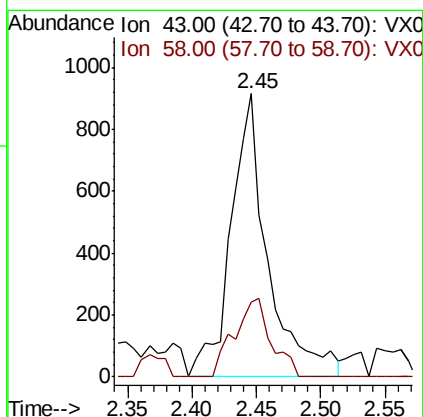
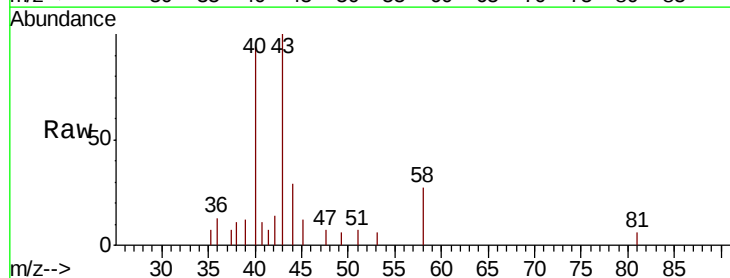
Instrument :
MSVOA_X
ClientSampleId :
WP021MW174-190423

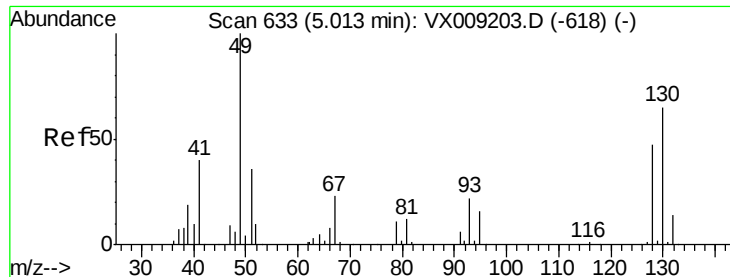
Tgt Ion: 59 Resp: 2250
Ion Ratio Lower Upper
59 100
57 0.8 8.2 12.2#



#16
Acetone
Concen: 1.191 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009218.D
Acq: 29 Apr 2019 19:29

Tgt Ion: 43 Resp: 1833
Ion Ratio Lower Upper
43 100
58 26.6 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

WP021MW174-190423

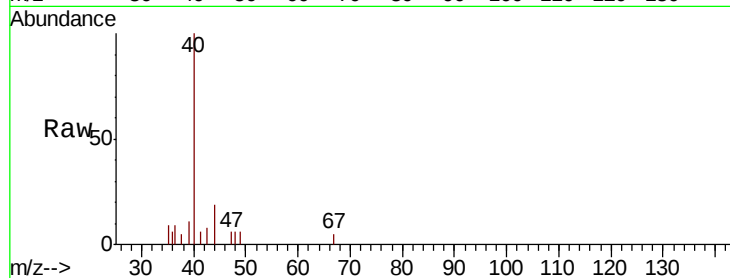
Tgt Ion: 49 Resp: 39

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

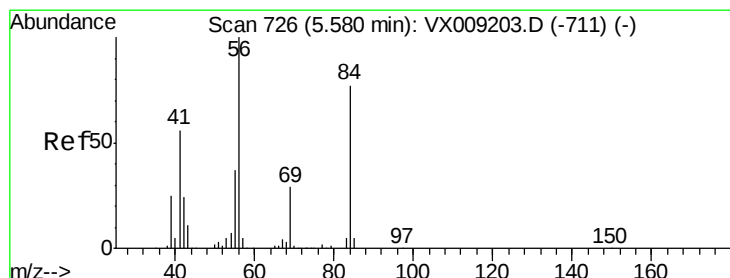
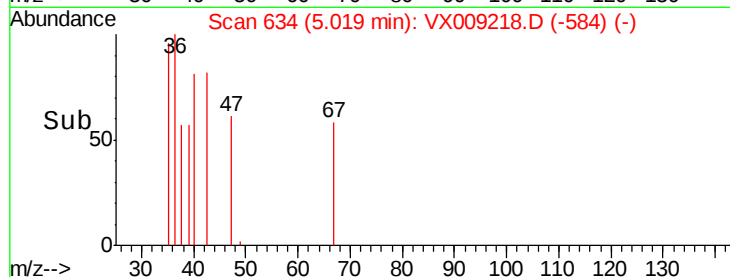
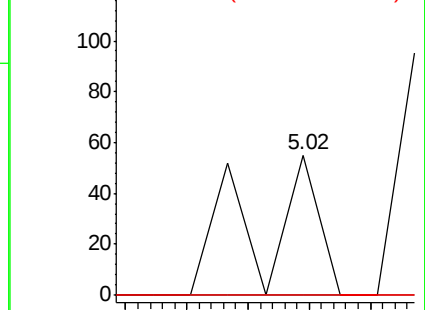
130 0.0 51.2 76.8#



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



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.09 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

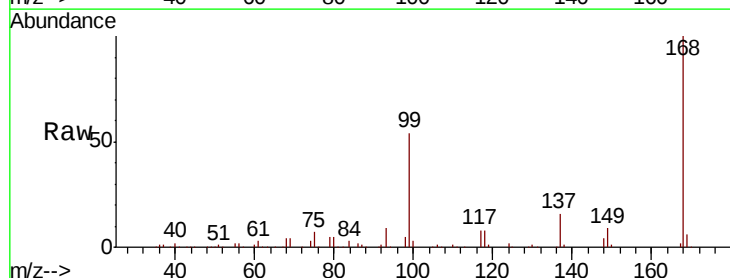
Tgt Ion: 56 Resp: 4629

Ion Ratio Lower Upper

56 100

69 150.9 23.4 35.0#

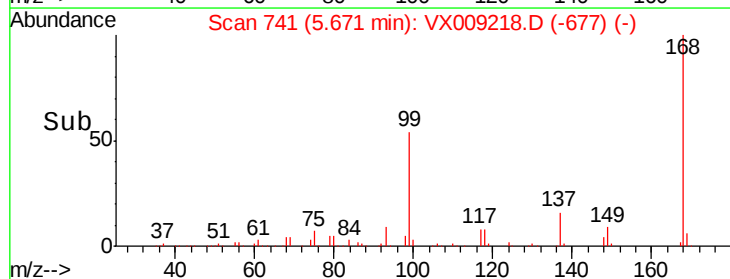
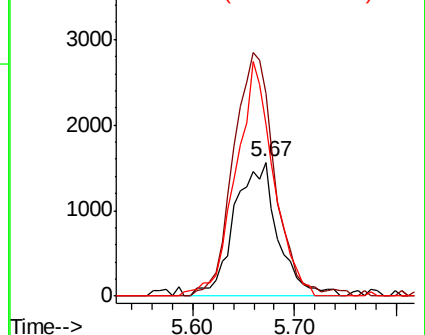
84 128.9 61.9 92.9#



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: 47.393 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

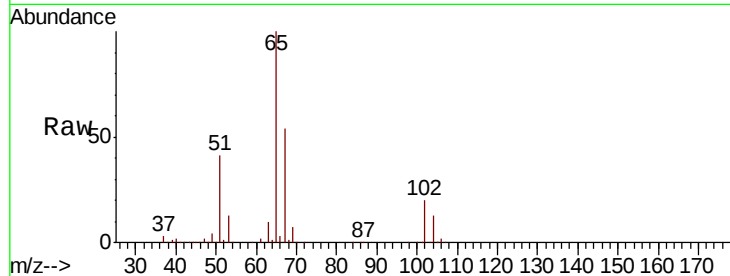
WP021MW174-190423

Tgt Ion: 65 Resp: 135816

Ion Ratio Lower Upper

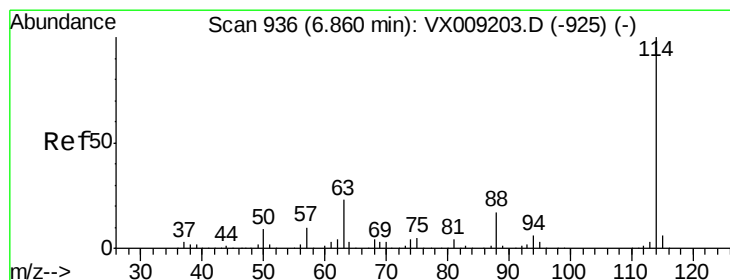
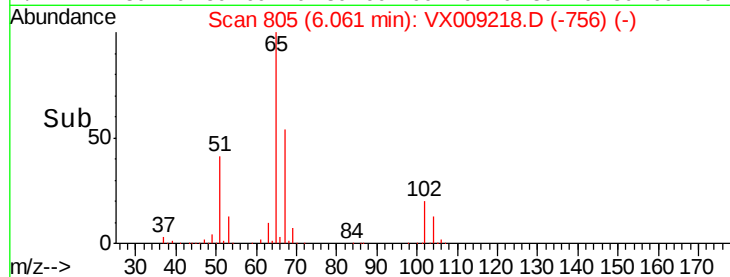
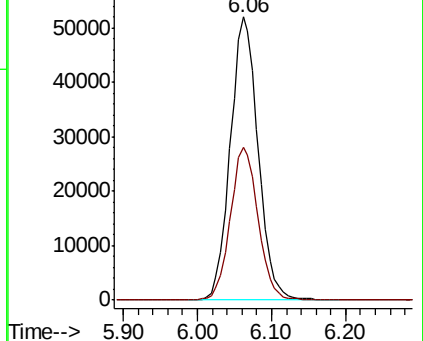
65 100

67 54.0 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: VX009218.D

Acq: 29 Apr 2019 19:29

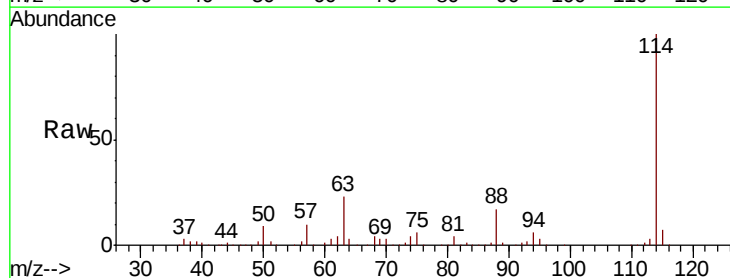
Tgt Ion: 114 Resp: 333572

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

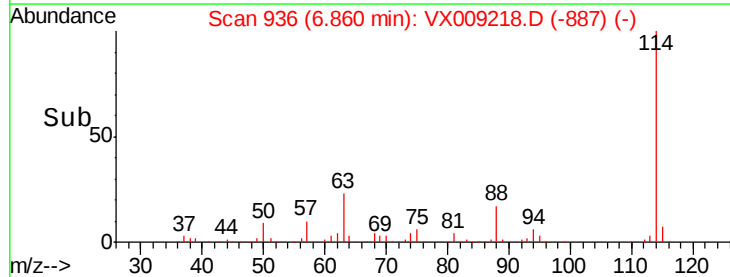
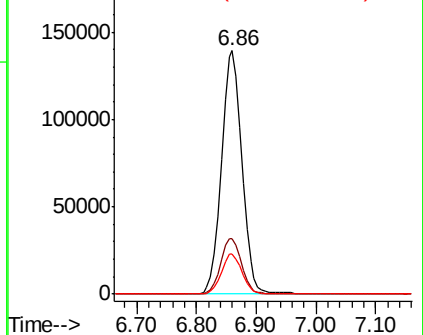
88 16.6 0.0 33.2

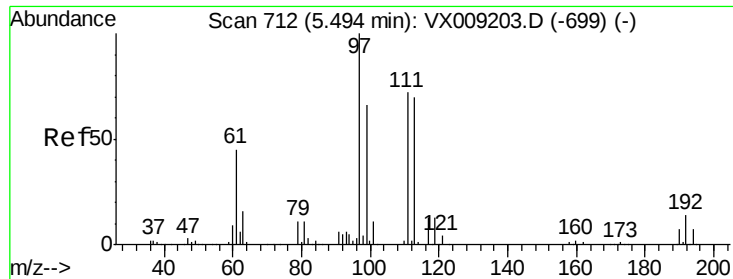


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

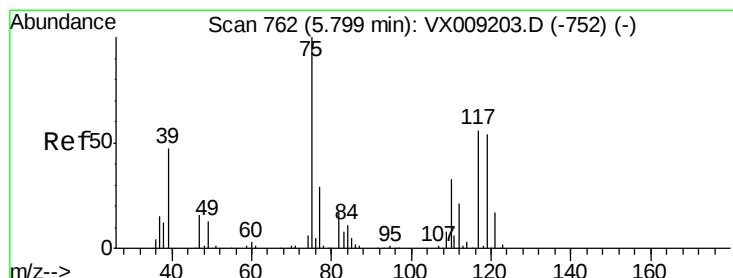
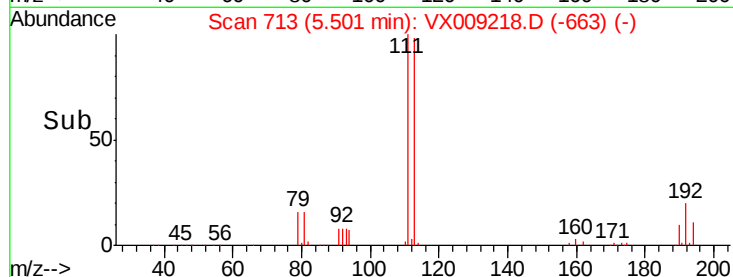
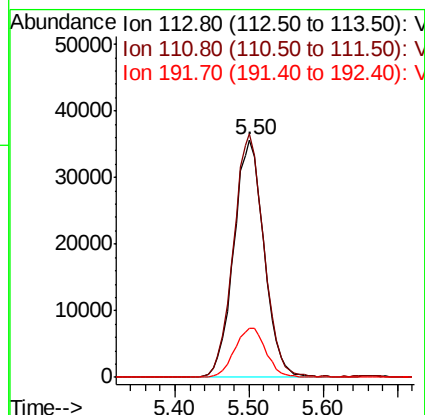
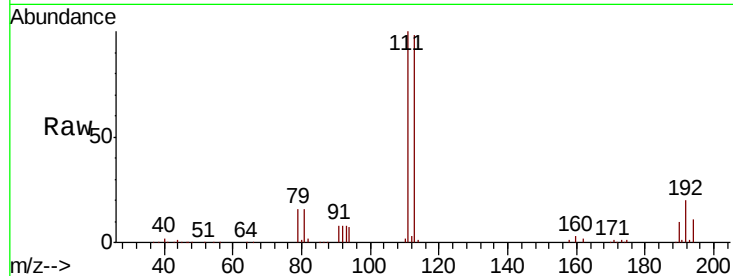




#35
 Dibromofluoromethane
 Concen: 48.474 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009218.D
 Acq: 29 Apr 2019 19:29

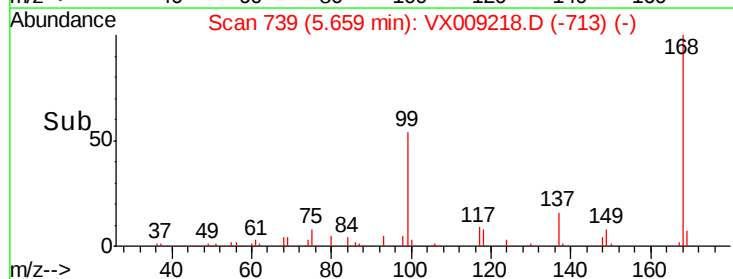
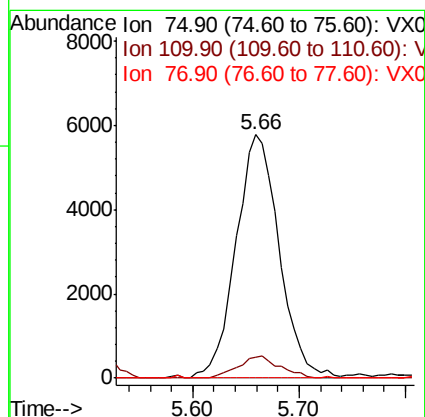
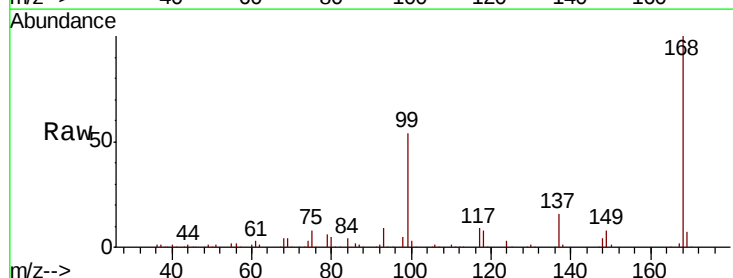
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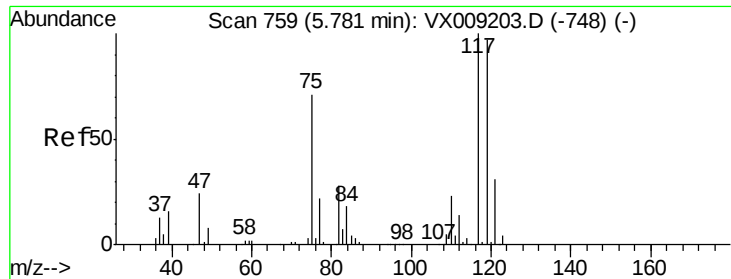
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	21.3	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 5.307 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009218.D
 Acq: 29 Apr 2019 19:29

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





#38

Carbon Tetrachloride

Concen: 6.826 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

WP021MW174-190423

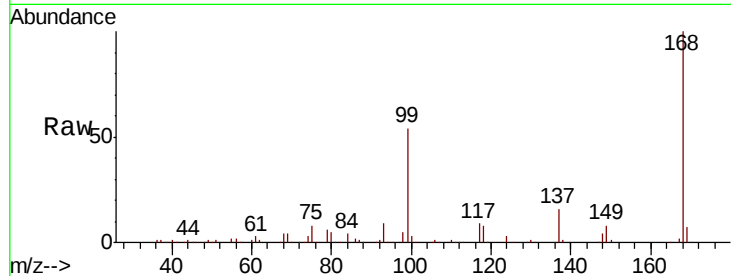
Tgt Ion: 117 Resp: 19225

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

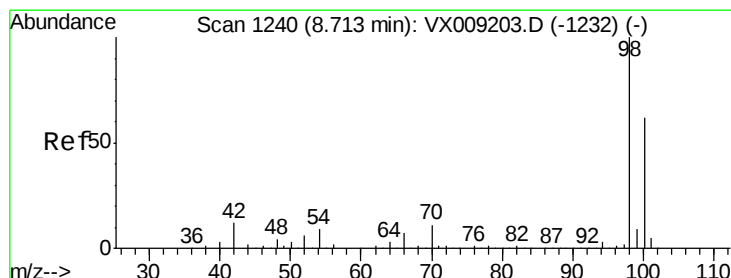
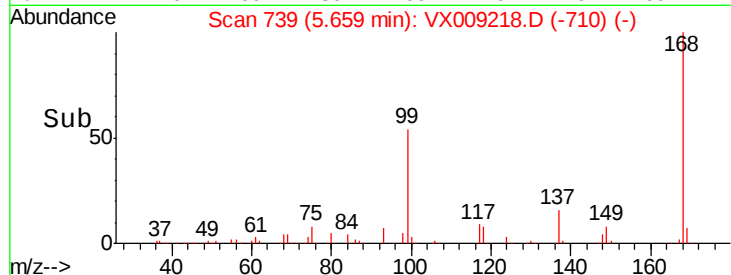
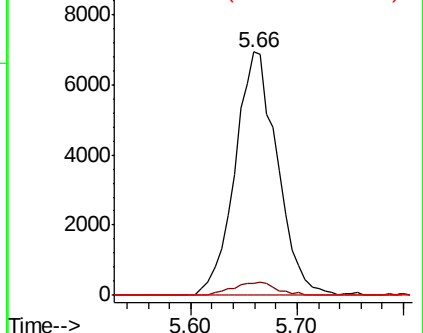
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.136 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009218.D

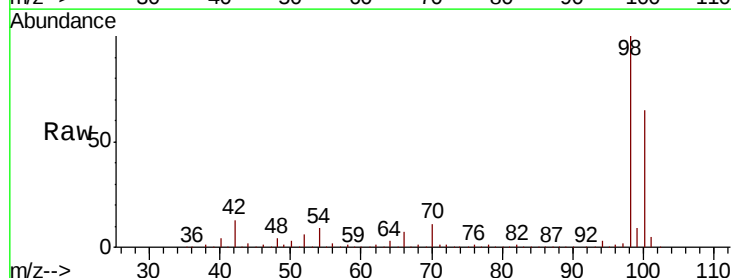
Acq: 29 Apr 2019 19:29

Tgt Ion: 98 Resp: 415988

Ion Ratio Lower Upper

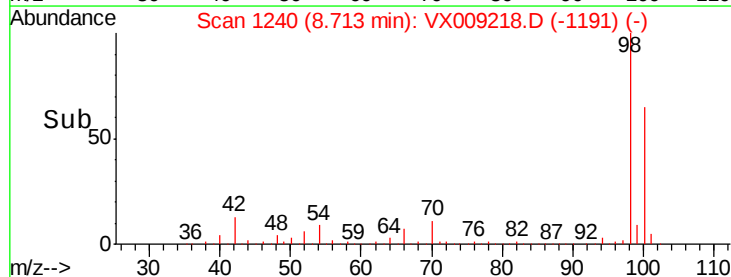
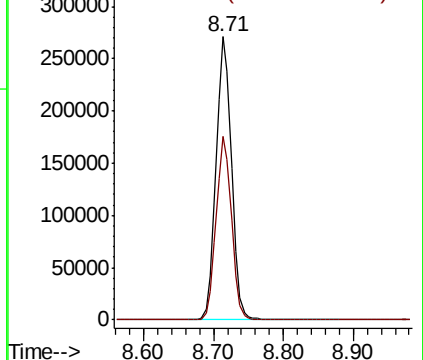
98 100

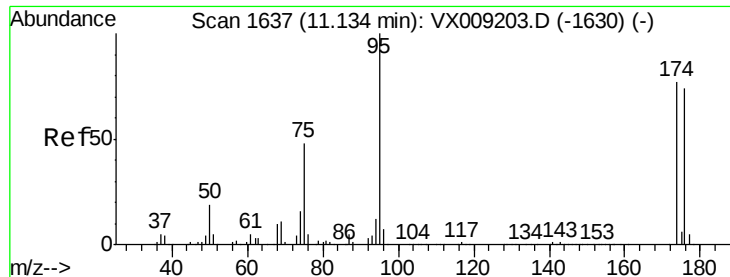
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.647 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

WP021MW174-190423

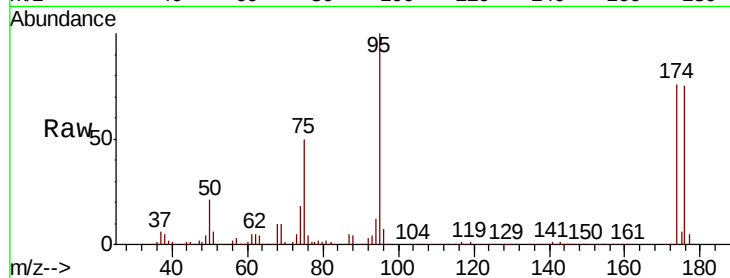
Tgt Ion: 95 Resp: 128116

Ion Ratio Lower Upper

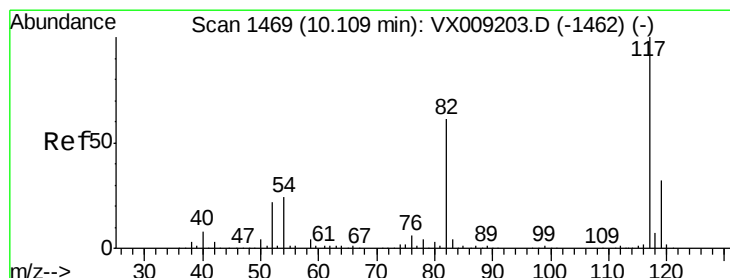
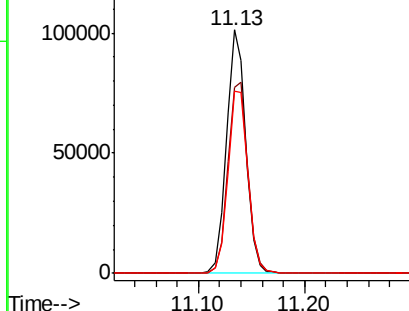
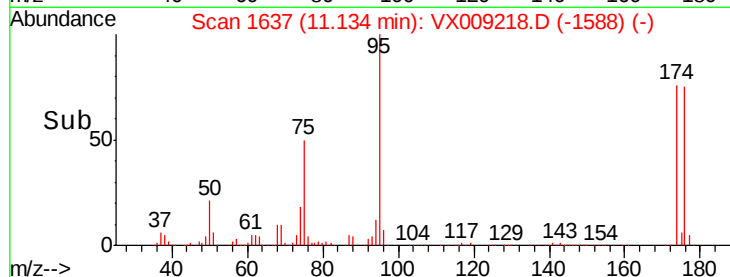
95 100

174 81.9 0.0 161.6

176 78.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009218.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

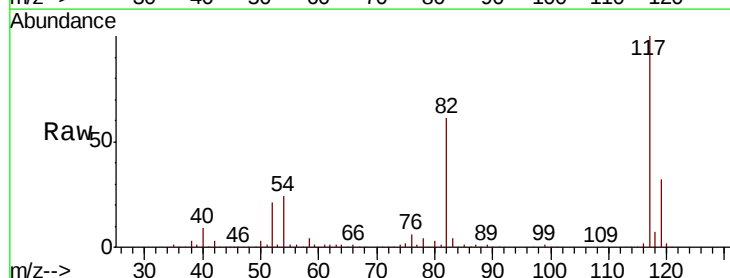
Tgt Ion: 117 Resp: 282088

Ion Ratio Lower Upper

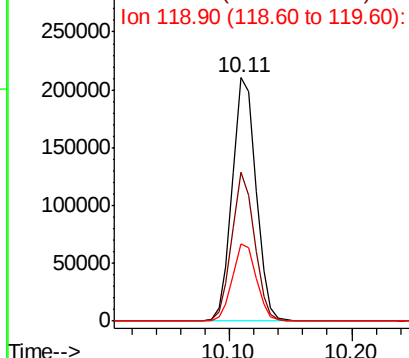
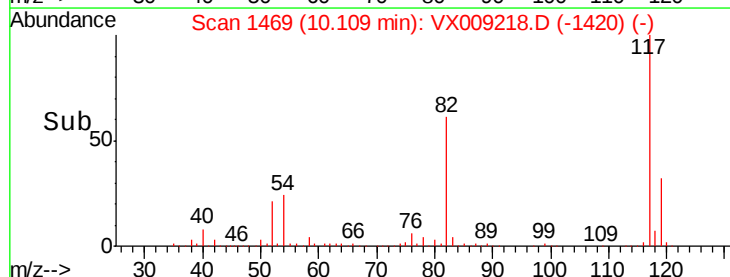
117 100

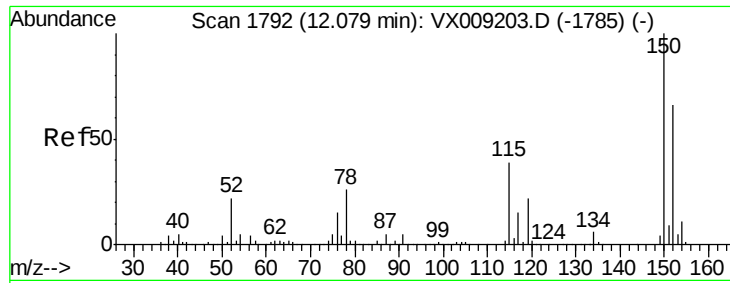
82 61.2 48.8 73.2

119 31.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009218.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: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

WP021MW174-190423

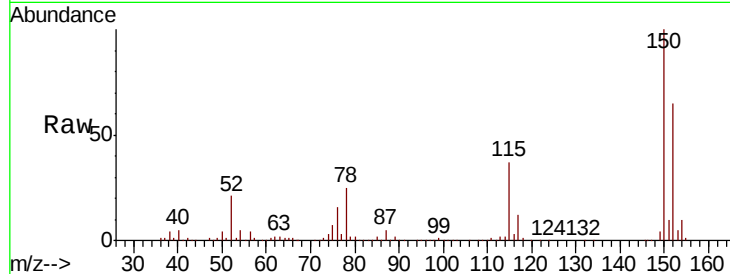
Tgt Ion:152 Resp: 106240

Ion Ratio Lower Upper

152 100

115 59.9 41.2 123.6

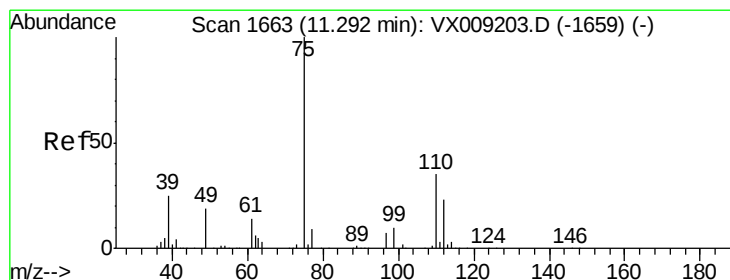
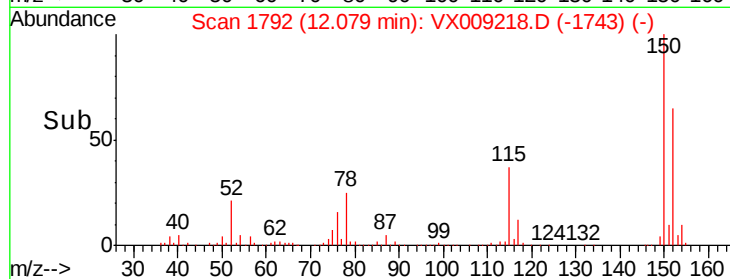
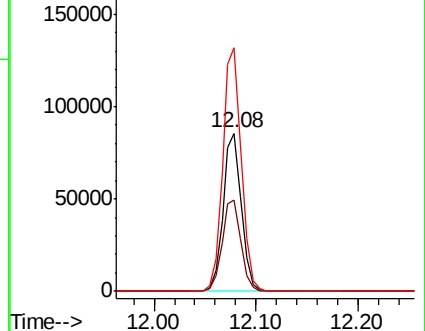
150 157.4 0.0 346.4



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: 26.437 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009218.D

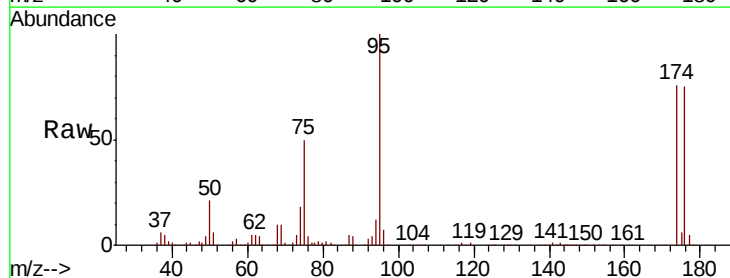
Acq: 29 Apr 2019 19:29

Tgt Ion: 75 Resp: 65152

Ion Ratio Lower Upper

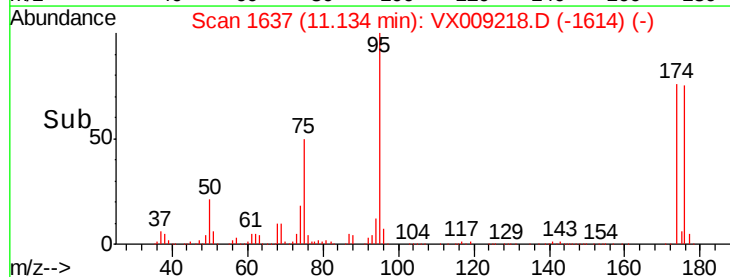
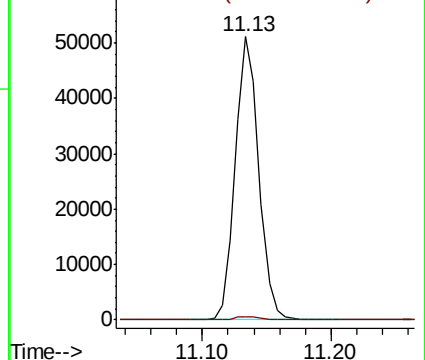
75 100

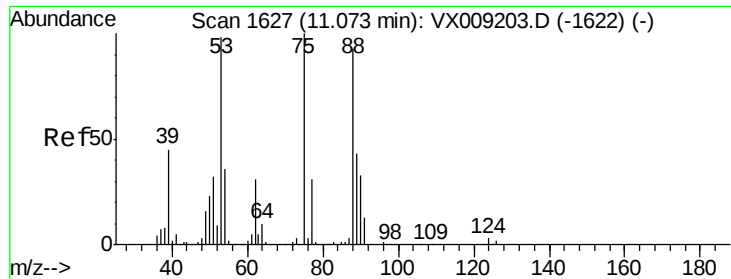
77 1.3 22.1 66.1#



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: 67.644 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009218.D

Acq: 29 Apr 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

WP021MW174-190423

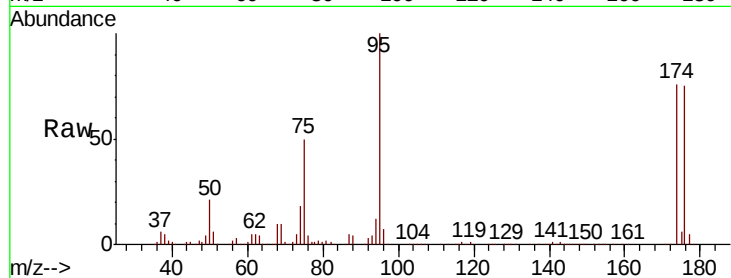
Tgt Ion: 75 Resp: 65152

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.1 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

