

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
 Data File : VX009220.D
 Acq On : 29 Apr 2019 20:16
 Operator : JC/SP
 Sample : K2594-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW002-190425

Quant Time: Apr 30 07:19:58 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	5.66	168	211579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128711	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	139264	48.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.44%		
35) Dibromofluoromethane	5.50	113	104178	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.92%		
50) Toluene-d8	8.71	98	426101	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.18%		
62) 4-Bromofluorobenzene	11.13	95	143717	45.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.14%		

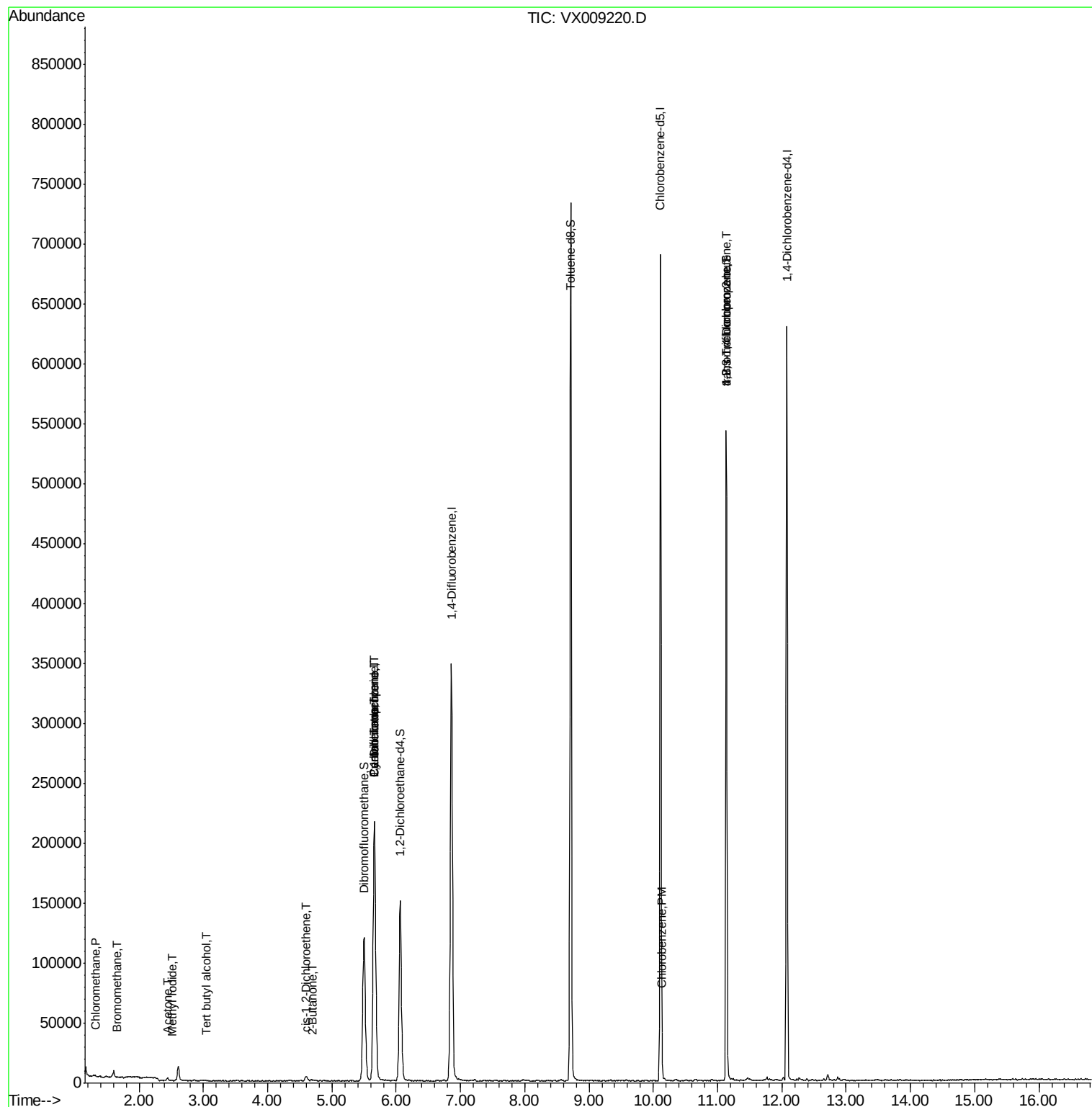
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	931	0.350	ug/l	96
5) Bromomethane	1.66	94	391	0.251	ug/l #	43
10) Methyl Iodide	2.51	142	112	4.638	ug/l #	42
11) Tert butyl alcohol	3.05	59	665	0.995	ug/l #	81
16) Acetone	2.45	43	2811	1.812	ug/l	95
25) 2-Butanone	4.70	43	1025	0.425	ug/l #	73
27) cis-1,2-Dichloroethene	4.59	96	2202	0.857	ug/l	95
28) Bromochloromethane	5.01	49	23	Below Cal	#	20
31) Cyclohexane	5.66	56	4902	1.148	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16366	5.149	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20000	6.926	ug/l #	15
65) Chlorobenzene	10.14	112	1420	0.235	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	71222	23.855	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71222	61.036	ug/l #	10

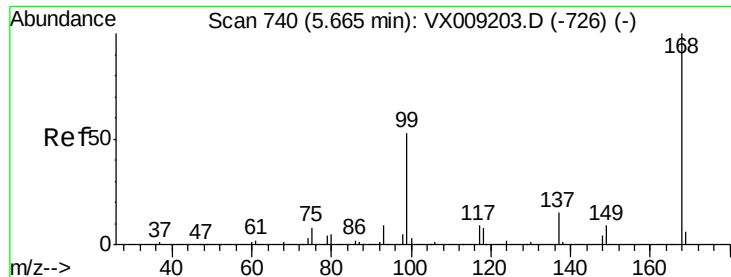
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 739

Delta R.T. -0.01 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

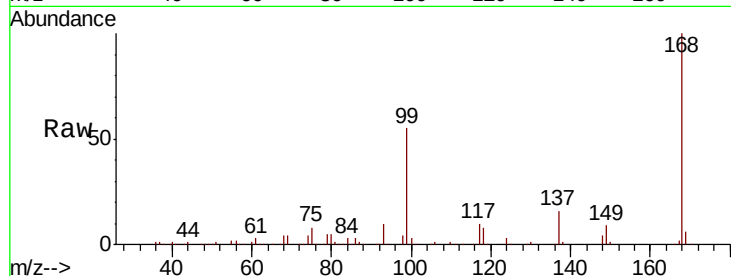
WP021MW002-190425

Tgt Ion:168 Resp: 211579

Ion Ratio Lower Upper

168 100

99 55.3 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

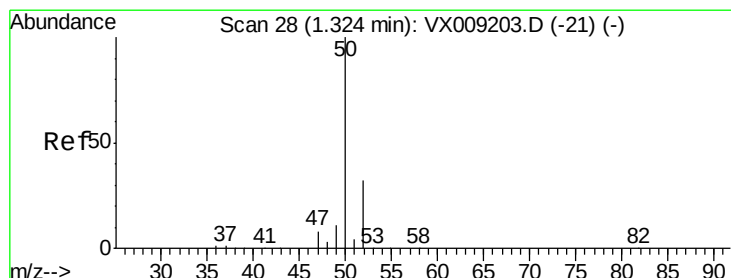
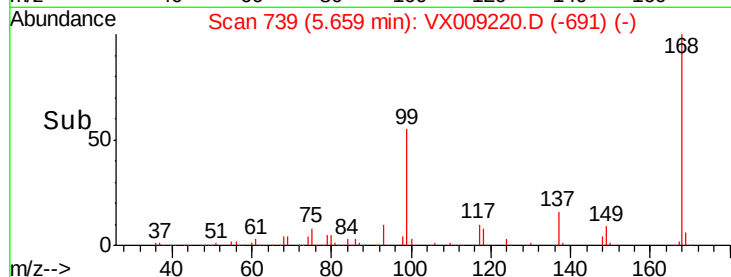
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.350 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009220.D

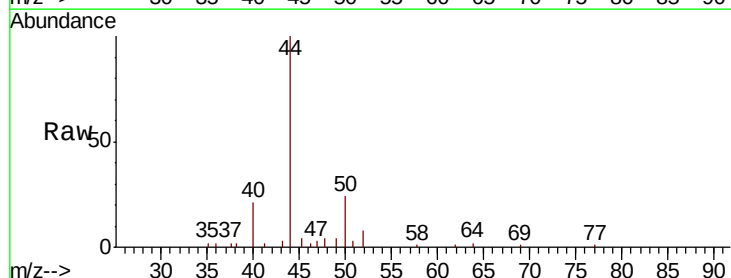
Acq: 29 Apr 2019 20:16

Tgt Ion: 50 Resp: 931

Ion Ratio Lower Upper

50 100

52 34.6 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

1000

800

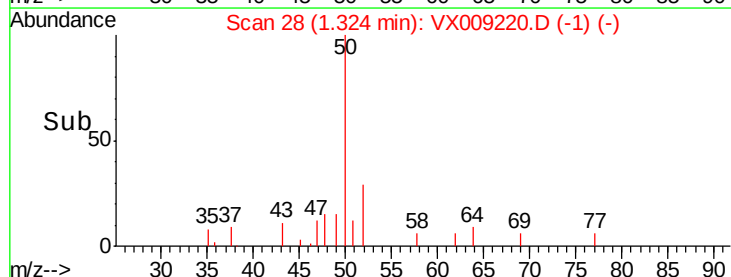
600

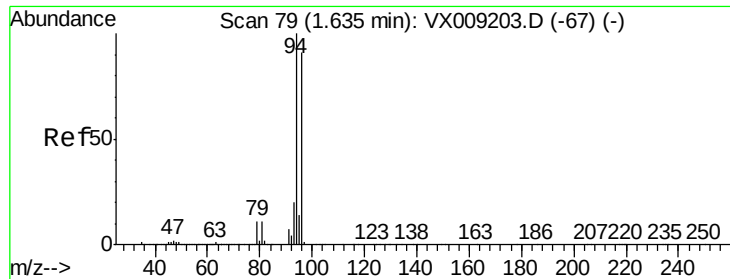
400

200

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

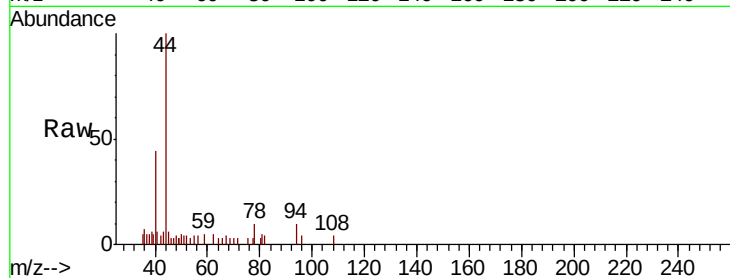
WP021MW002-190425

Tgt Ion: 94 Resp: 391

Ion Ratio Lower Upper

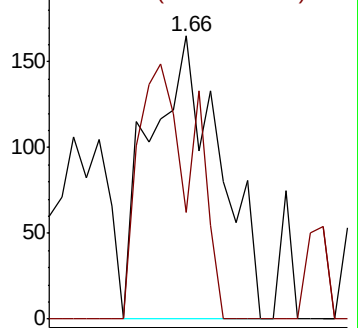
94 100

96 37.6 73.0 109.6#

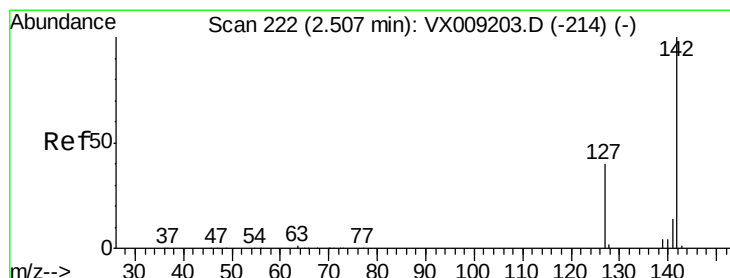
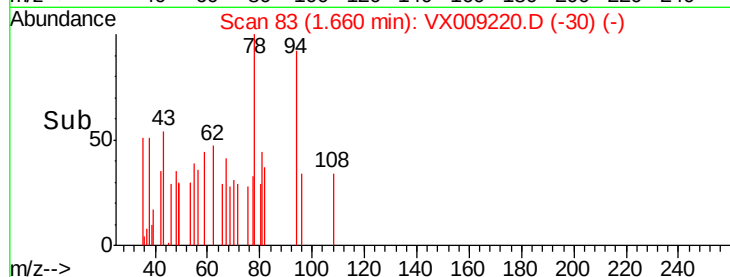


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.638 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

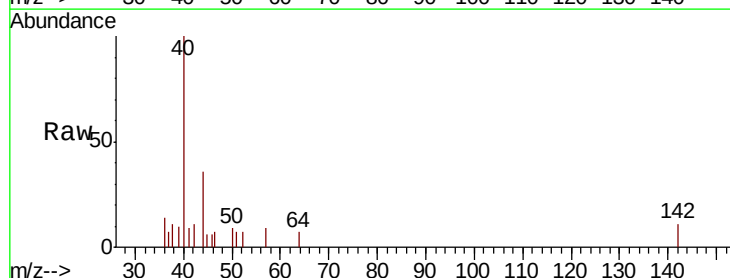
Tgt Ion: 142 Resp: 112

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

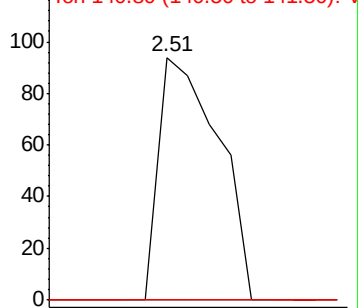
141 0.0 11.5 17.3#



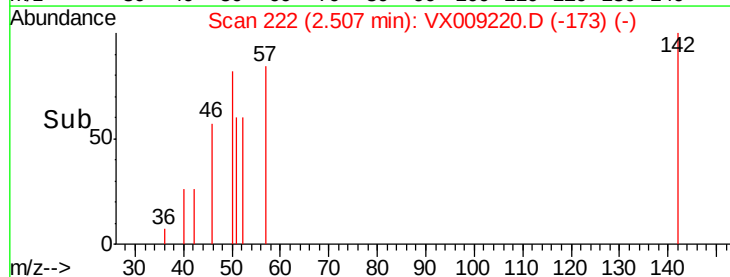
Abundance Ion 141.80 (141.50 to 142.50): V

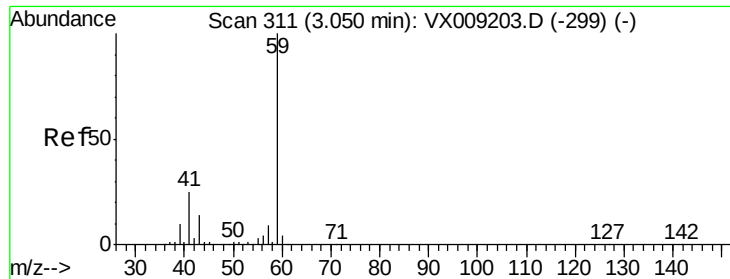
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

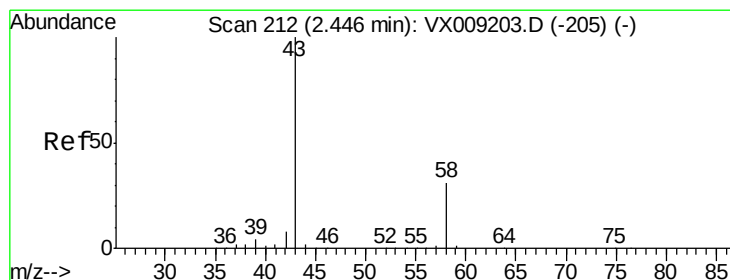
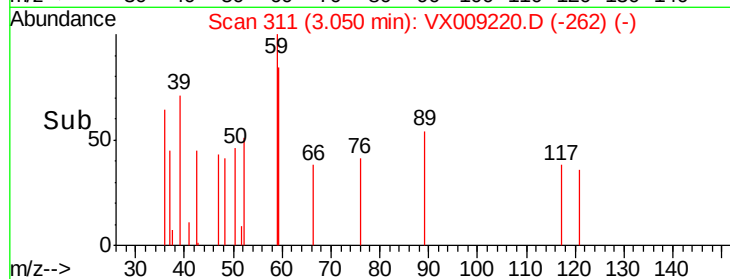
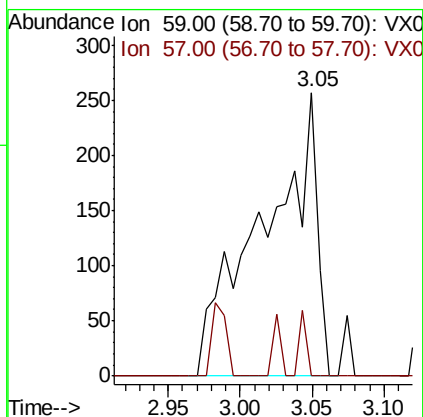
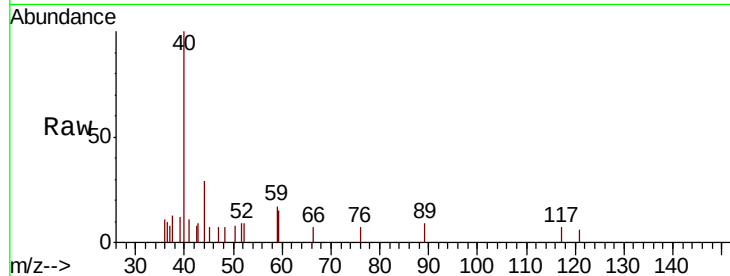




#11
Tert butyl alcohol
Concen: 0.995 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009220.D
Acq: 29 Apr 2019 20:16

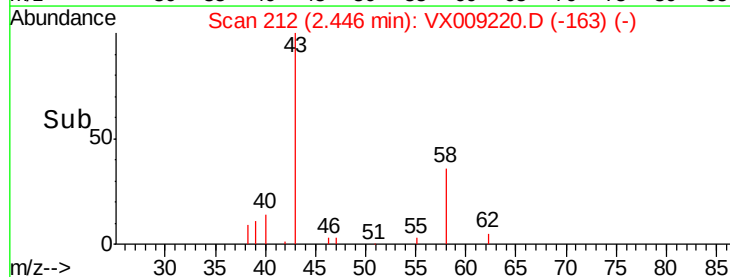
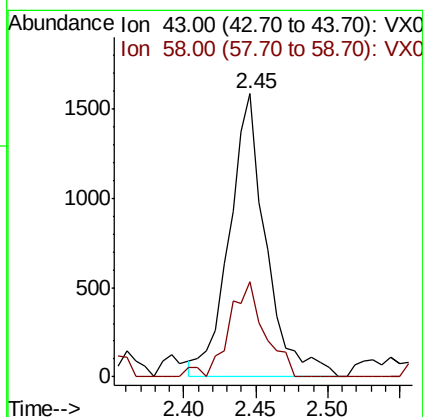
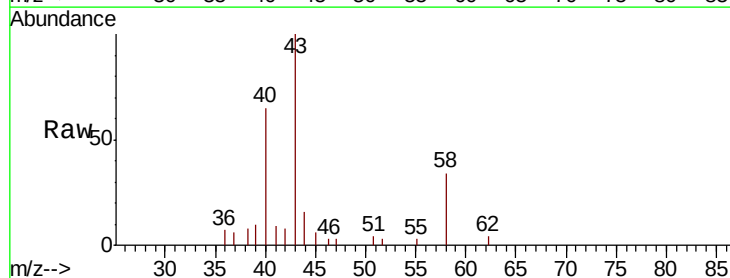
Instrument :
MSVOA_X
ClientSampleId :
WP021MW002-190425

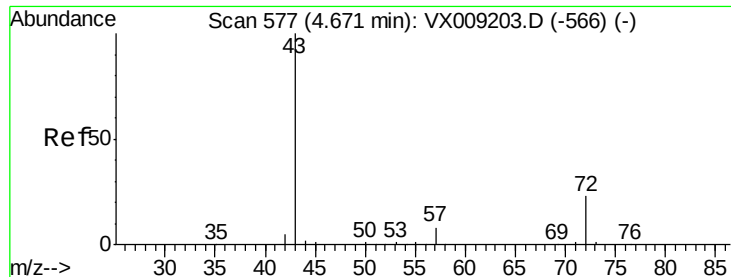
Tgt Ion: 59 Resp: 665
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.2#



#16
Acetone
Concen: 1.812 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009220.D
Acq: 29 Apr 2019 20:16

Tgt Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
58 33.7 24.9 37.3





#25

2-Butanone

Concen: 0.425 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

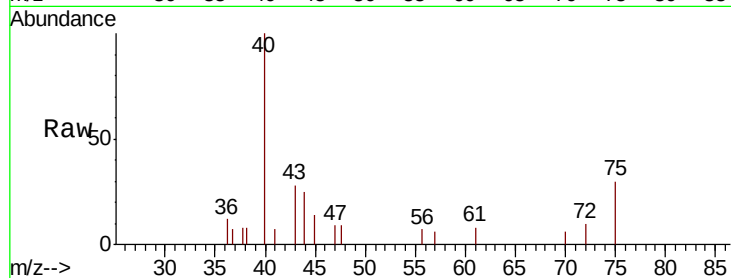
WP021MW002-190425

Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

72 35.5 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

250

200

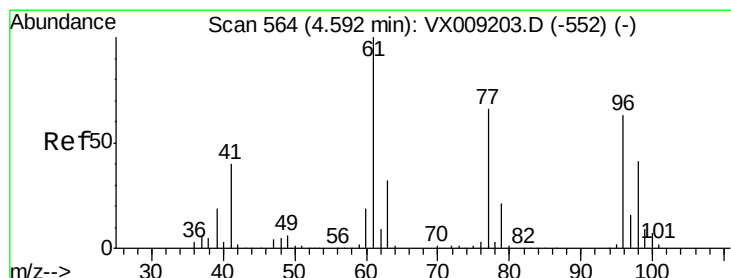
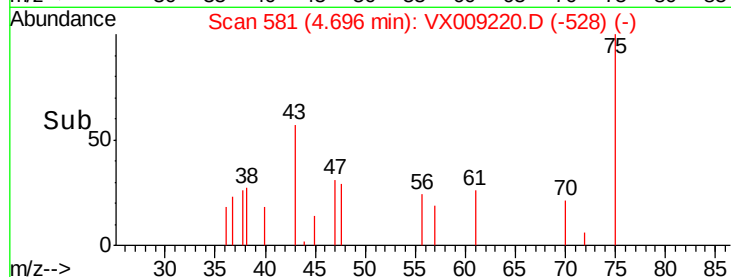
150

100

50

0

Time--> 4.60 4.65 4.70 4.75 4.80



#27

cis-1,2-Dichloroethene

Concen: 0.857 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

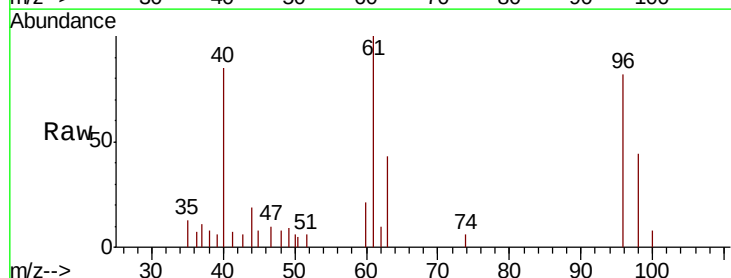
Tgt Ion: 96 Resp: 2202

Ion Ratio Lower Upper

96 100

61 158.4 0.0 324.0

98 73.3 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

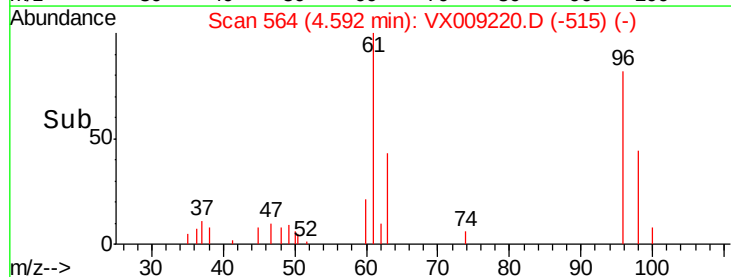
1500

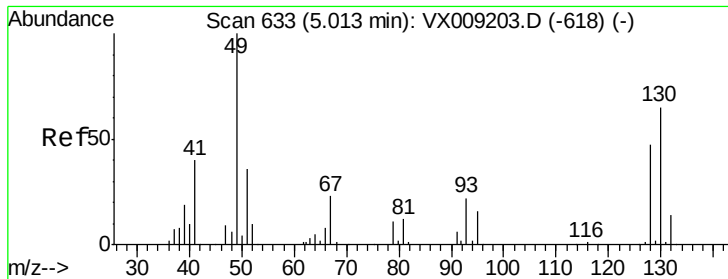
1000

500

0

Time--> 4.50 4.55 4.60 4.65





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

WP021MW002-190425

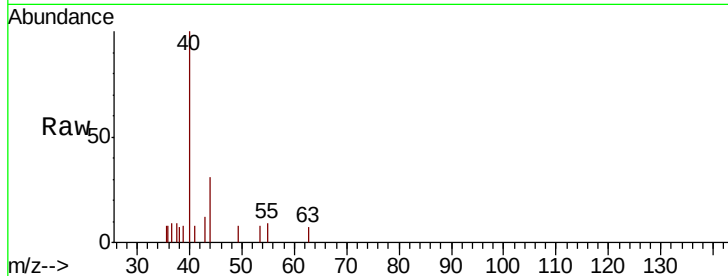
Tgt Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

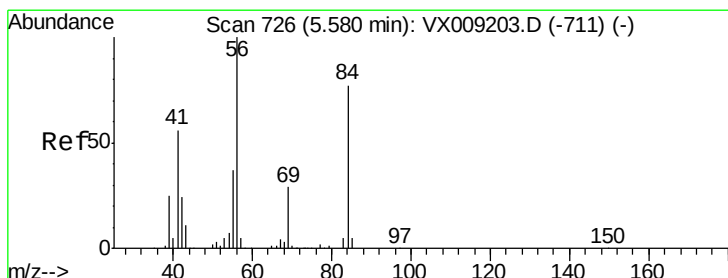
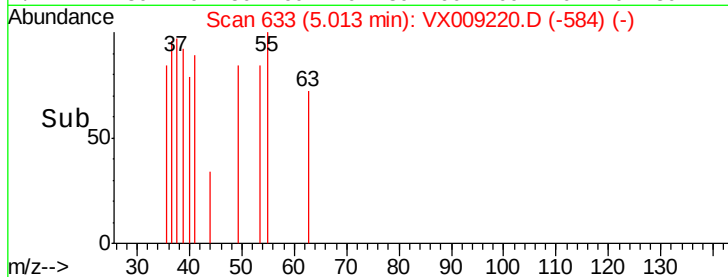
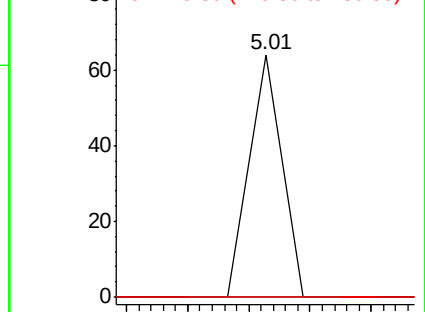
130 0.0 51.2 76.8#



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: 1.148 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

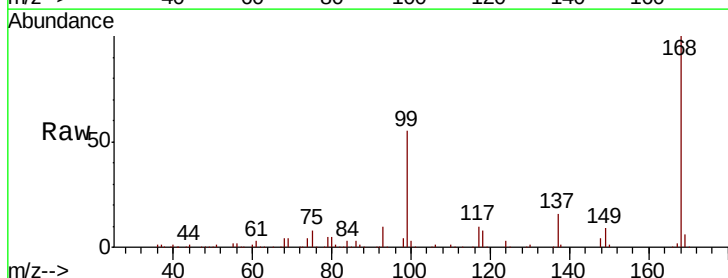
Tgt Ion: 56 Resp: 4902

Ion Ratio Lower Upper

56 100

69 179.1 23.4 35.0#

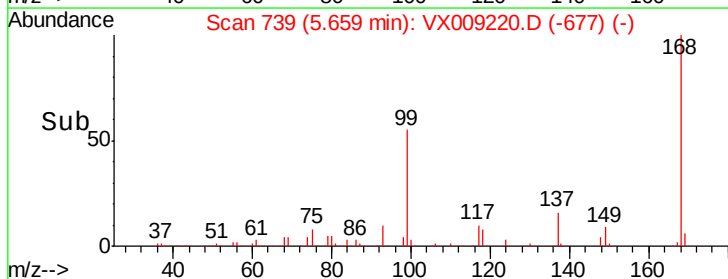
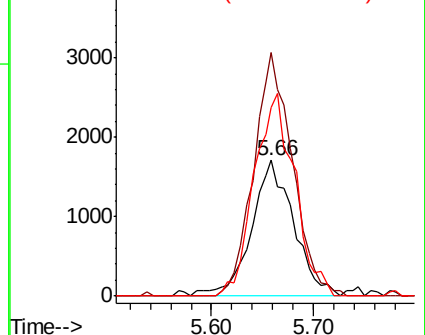
84 138.5 61.9 92.9#

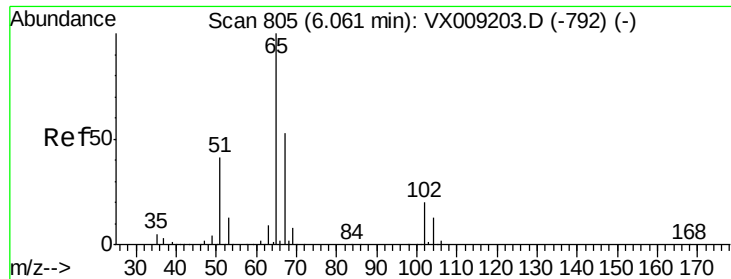


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

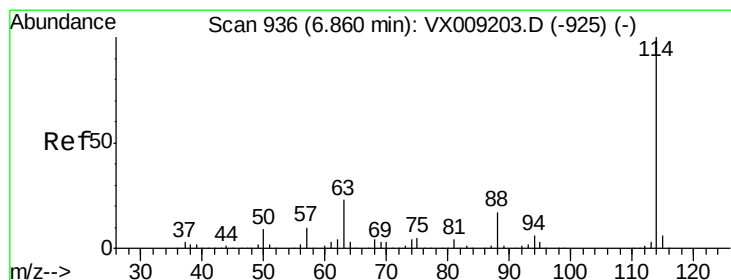
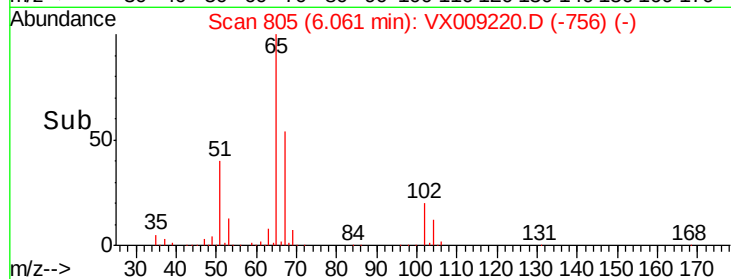
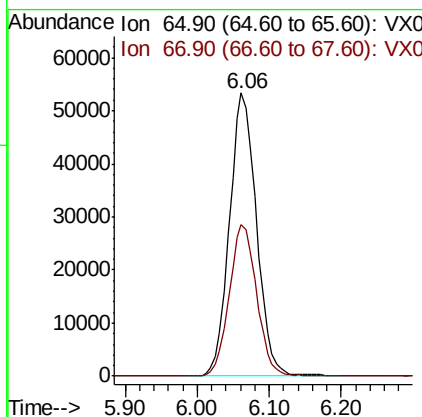
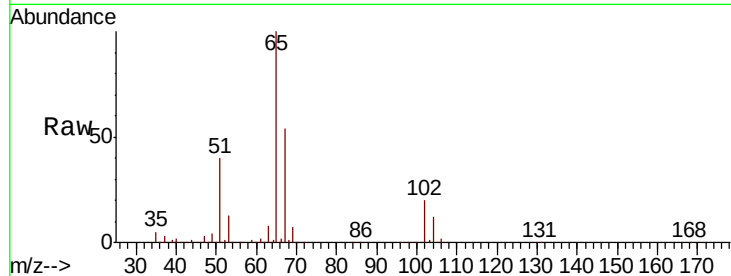




#33
 1,2-Dichloroethane-d4
 Concen: 48.217 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009220.D
 Acq: 29 Apr 2019 20:16

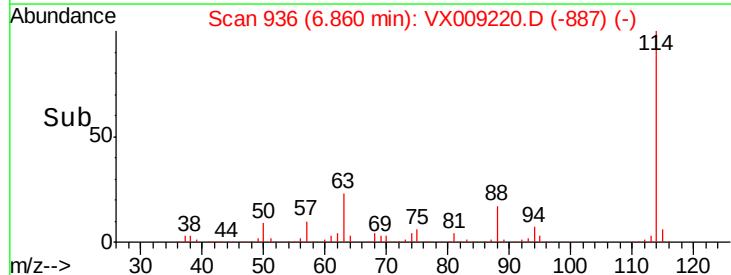
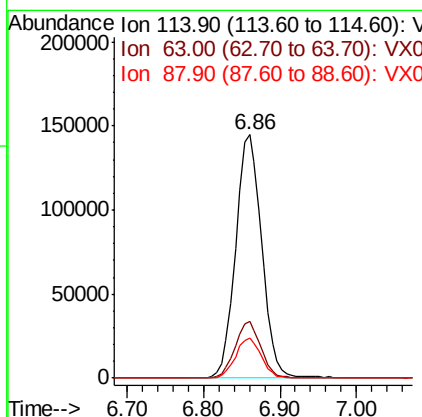
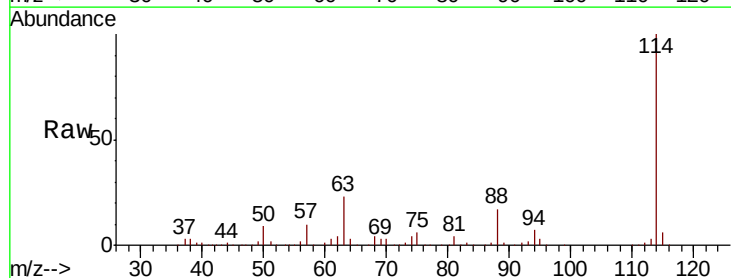
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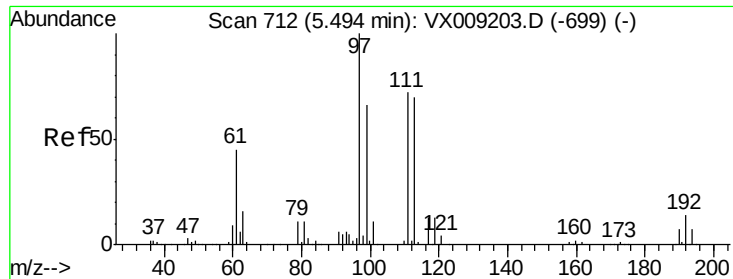
Tgt Ion: 65 Resp: 139264
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009220.D
 Acq: 29 Apr 2019 20:16

Tgt Ion: 114 Resp: 341998
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.6 0.0 33.2

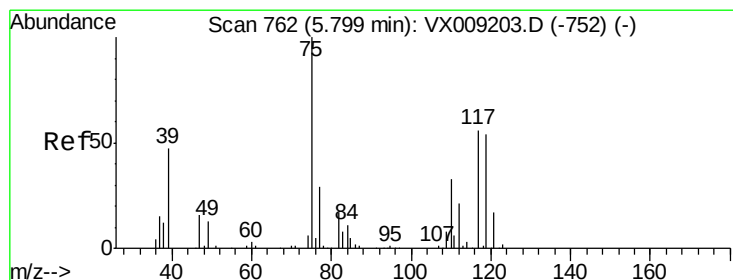
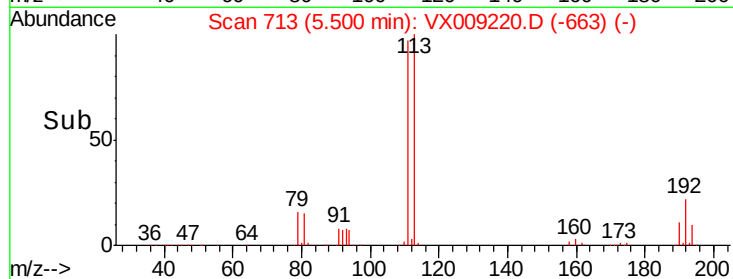
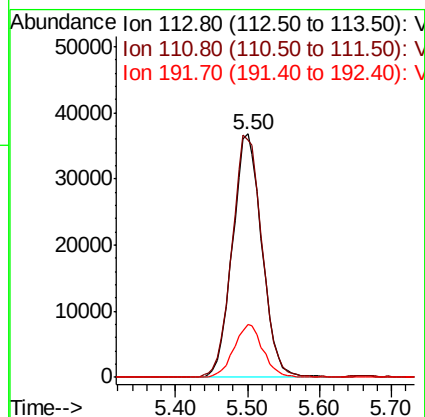
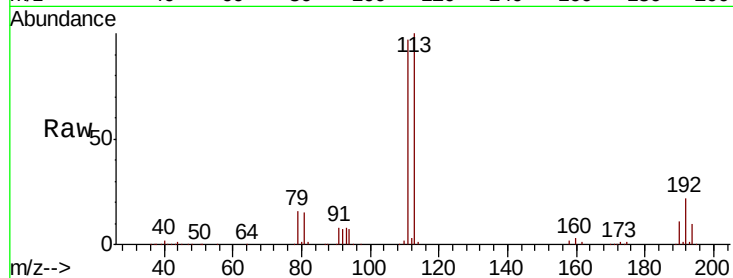




#35
 Dibromofluoromethane
 Concen: 48.456 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009220.D
 Acq: 29 Apr 2019 20:16

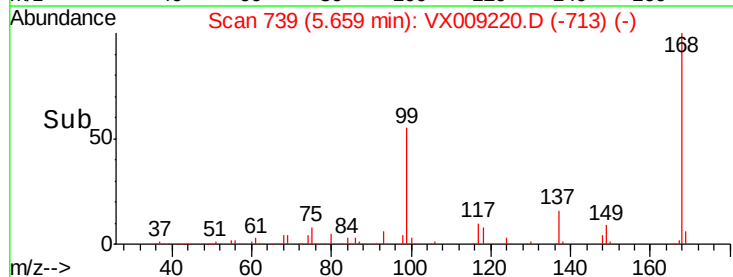
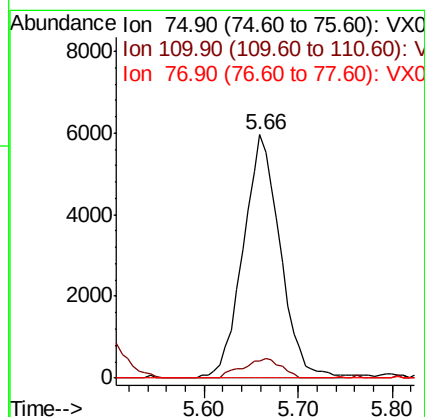
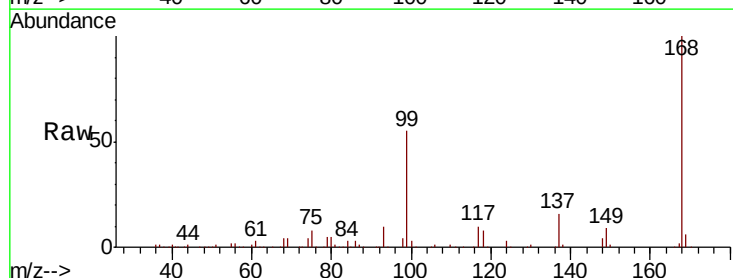
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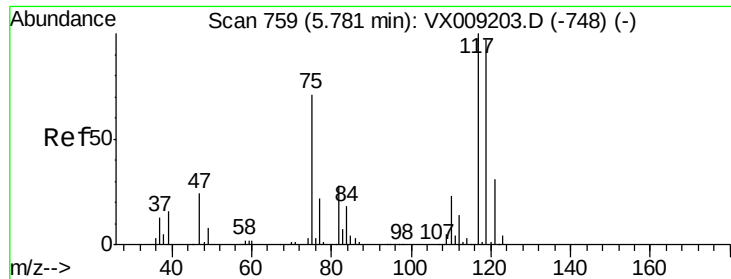
Tgt Ion:113 Resp: 104178
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.8 124.2
 192 21.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009220.D
 Acq: 29 Apr 2019 20:16

Tgt Ion: 75 Resp: 16366
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.0 24.8 37.2#

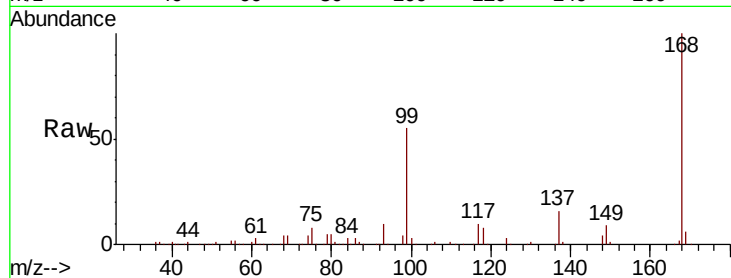




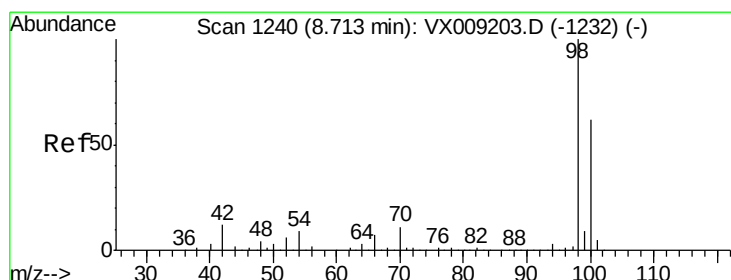
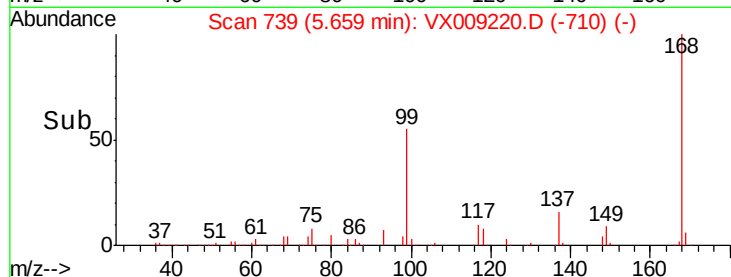
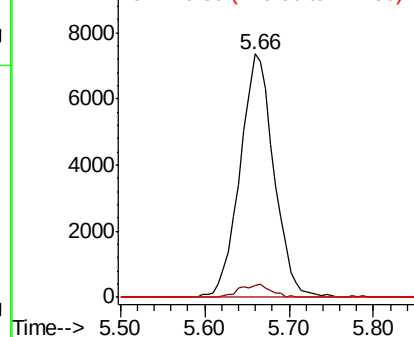
#38
Carbon Tetrachloride
Concen: 6.926 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009220.D
Acq: 29 Apr 2019 20:16

Instrument :
MSVOA_X
ClientSampleId :
WP021MW002-190425

Tgt Ion: 117 Resp: 20000
Ion Ratio Lower Upper
117 100
119 5.0 77.5 116.3#
121 0.0 24.7 37.1#

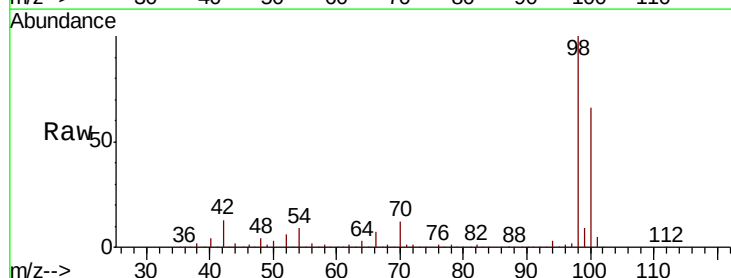


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

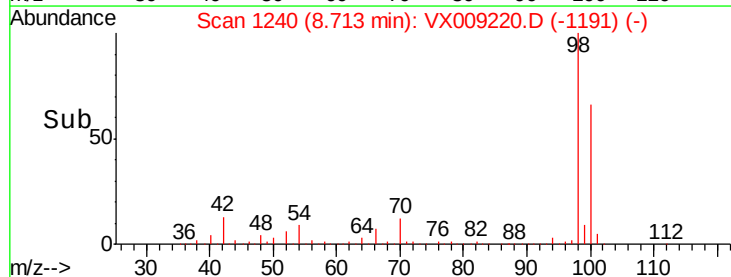
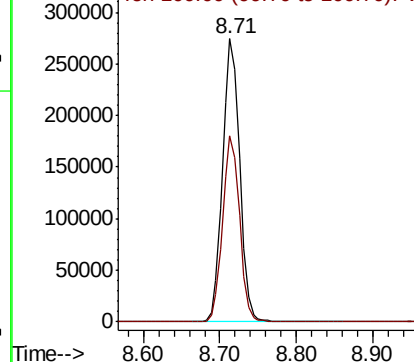


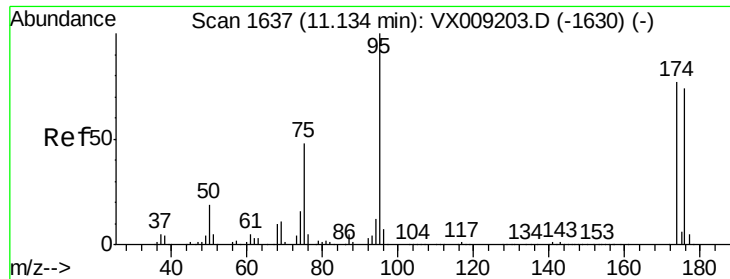
#50
Toluene-d8
Concen: 49.091 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009220.D
Acq: 29 Apr 2019 20:16

Tgt Ion: 98 Resp: 426101
Ion Ratio Lower Upper
98 100
100 64.9 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: 45.568 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

Instrument :

MSVOA_X

ClientSampleId :

WP021MW002-190425

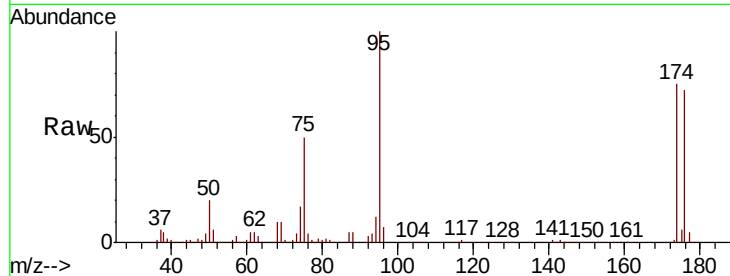
Tgt Ion: 95 Resp: 143717

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.6

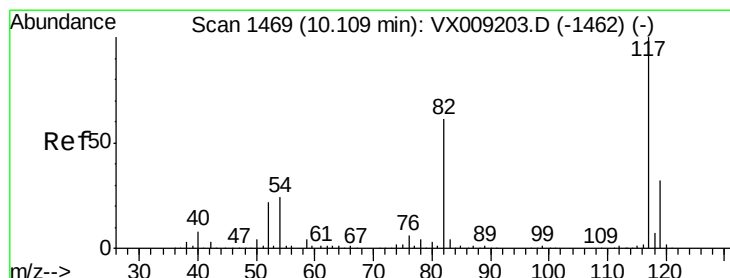
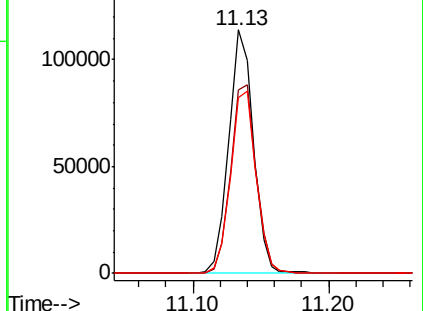
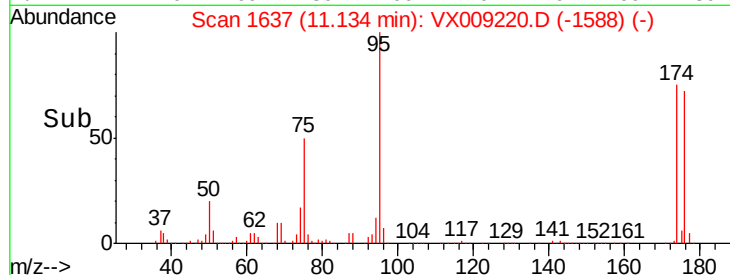
176 77.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009220.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009220.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009220.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009220.D

Acq: 29 Apr 2019 20:16

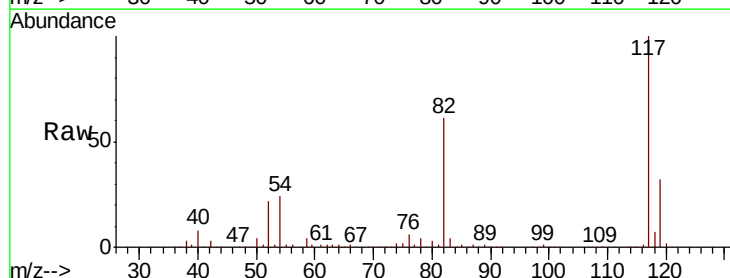
Tgt Ion: 117 Resp: 302261

Ion Ratio Lower Upper

117 100

82 60.9 48.8 73.2

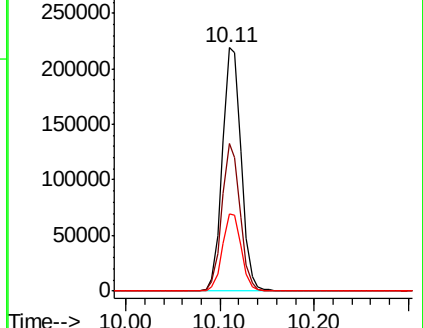
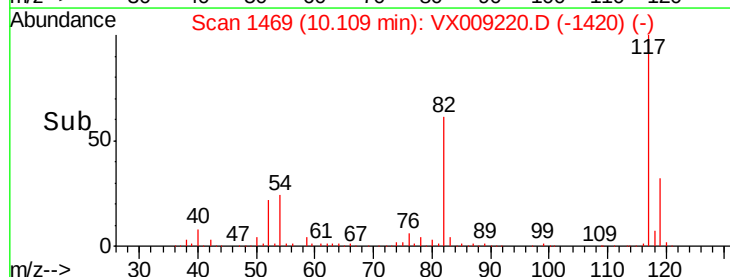
119 32.0 25.8 38.6

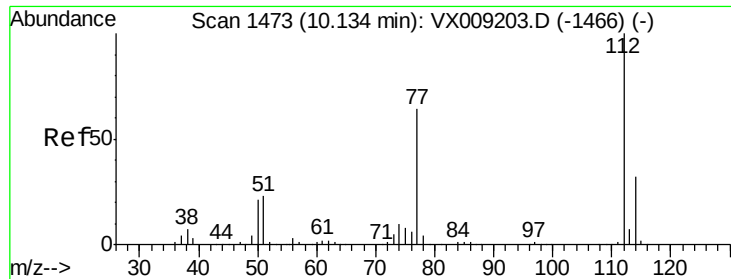


Abundance Ion 116.90 (116.60 to 117.60): VX009220.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009220.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009220.D (-1420) (-)

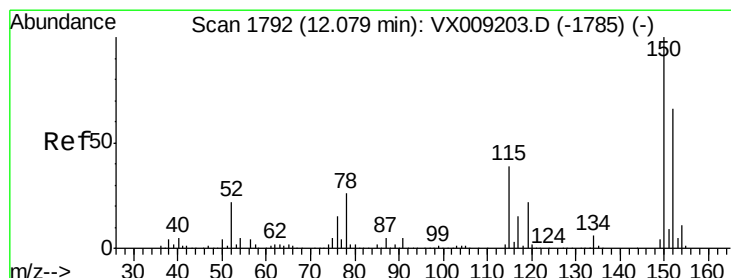
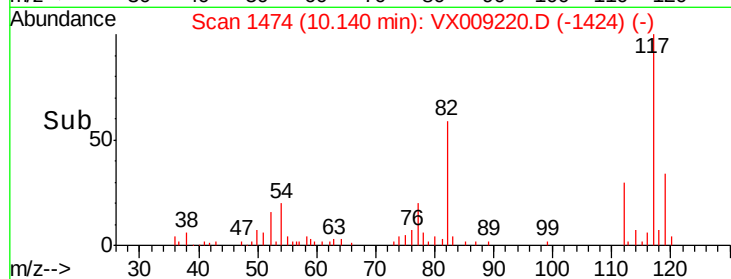
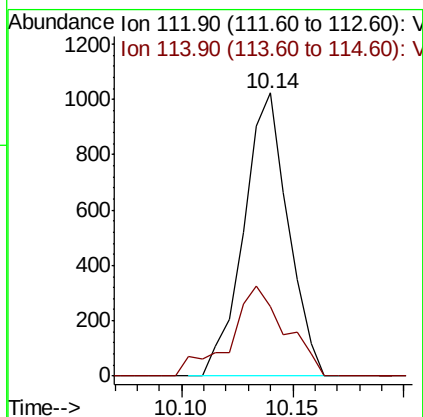
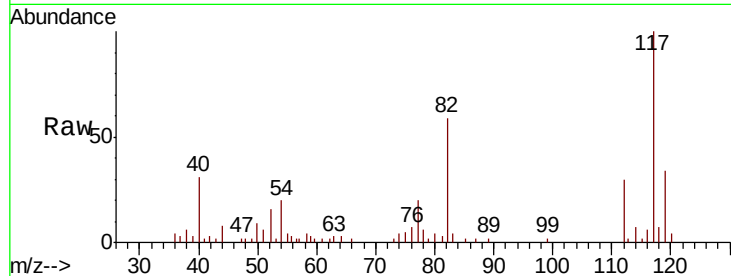




#65
Chlorobenzene
Concen: 0.235 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009220.D
Acq: 29 Apr 2019 20:16

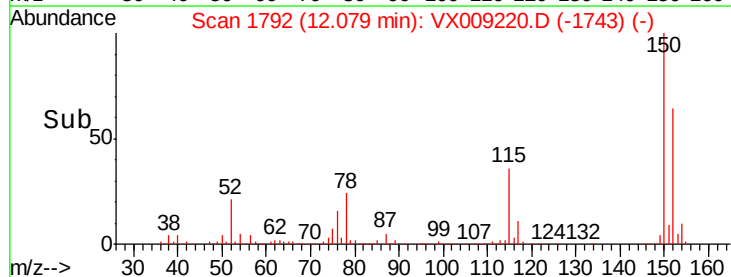
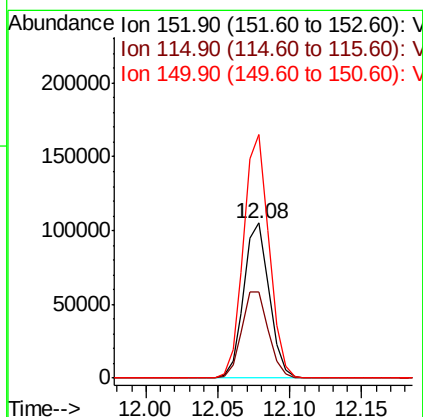
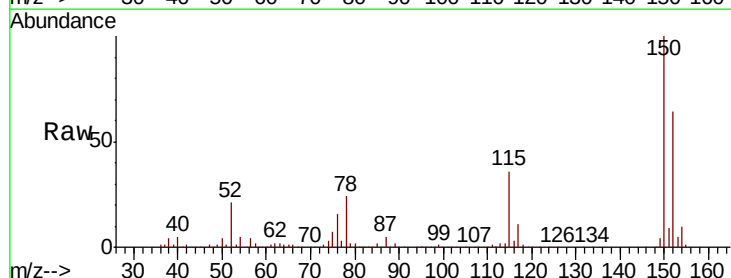
Instrument :
MSVOA_X
ClientSampleId :
WP021MW002-190425

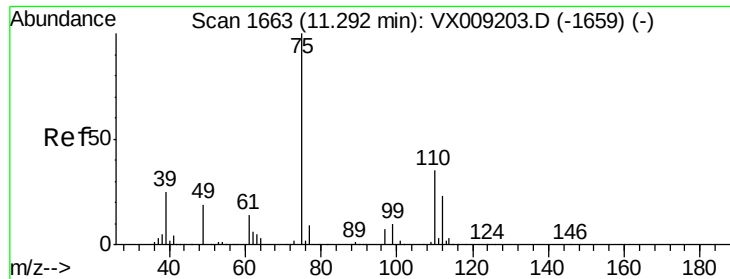
Tgt Ion:112 Resp: 1420
Ion Ratio Lower Upper
112 100
114 24.5 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009220.D
Acq: 29 Apr 2019 20:16

Tgt Ion:152 Resp: 128711
Ion Ratio Lower Upper
152 100
115 58.6 41.2 123.6
150 157.5 0.0 346.4

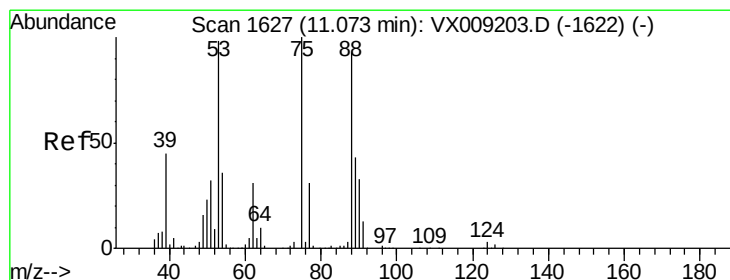
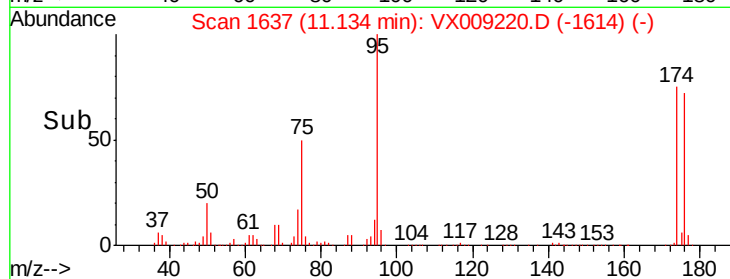
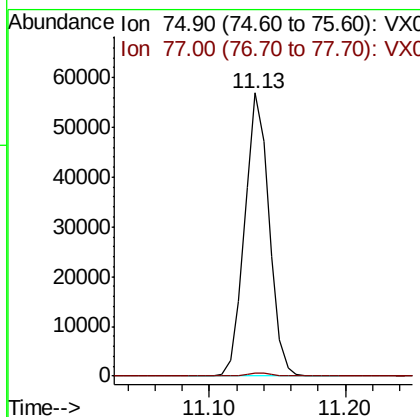
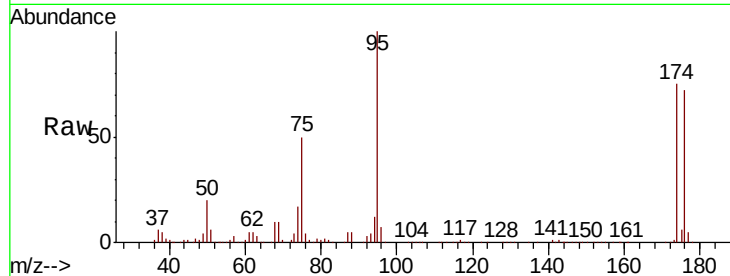




#76
 1,2,3-Trichloropropane
 Concen: 23.855 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009220.D
 Acq: 29 Apr 2019 20:16

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW002-190425

Tgt Ion: 75 Resp: 71222
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.036 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009220.D
 Acq: 29 Apr 2019 20:16

Tgt Ion: 75 Resp: 71222
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

