

Data File : VX009697.D
Acq On : 18 May 2019 06:16
Operator : JC/SP
Sample : K2901-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-9A_R2

Quant Time: May 20 04:14:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	169521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113457	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	5.50	113	83073	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.71	98	339753	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	112846	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	

Target Compounds

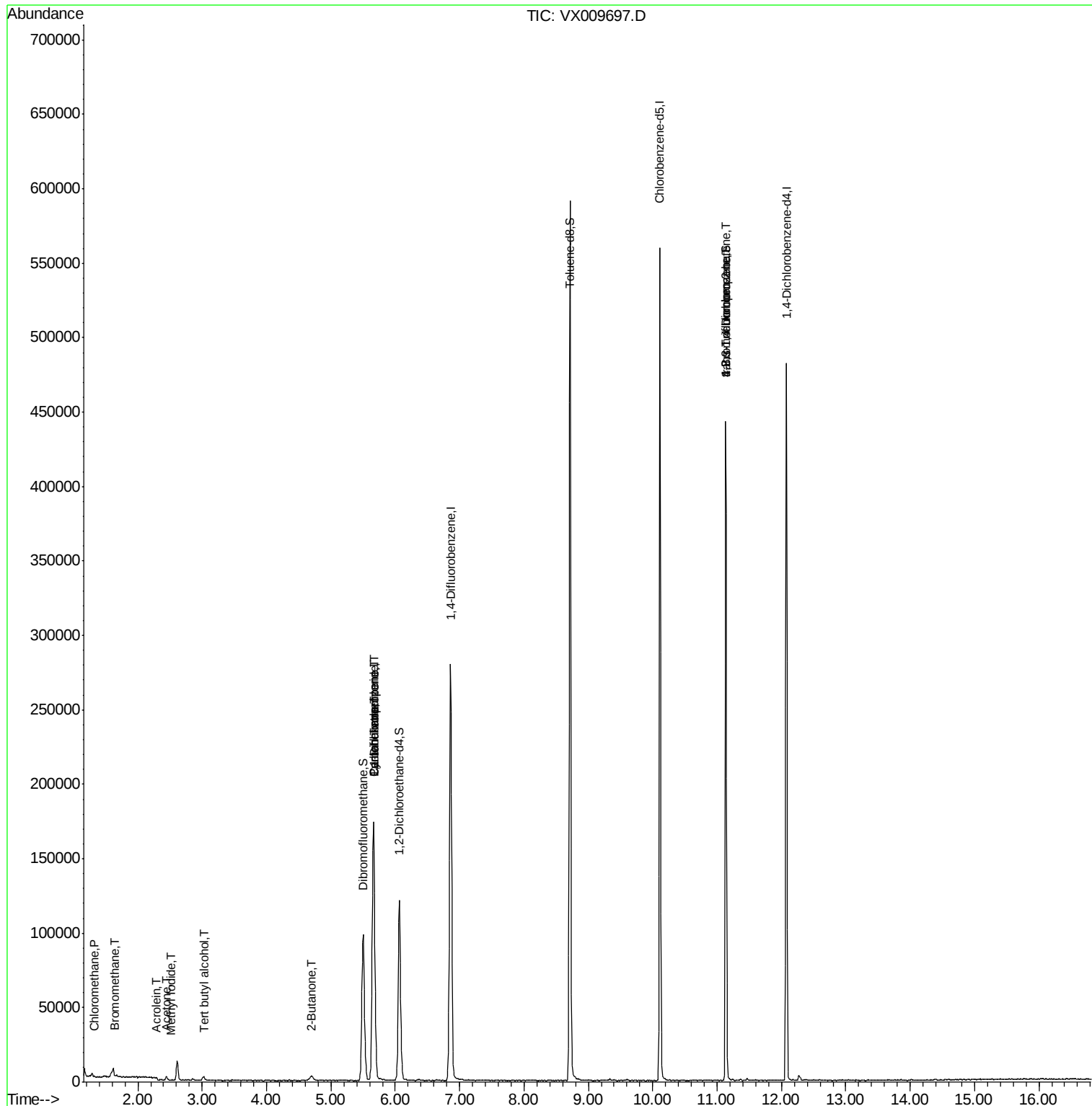
						Qvalue
3) Chloromethane	1.32	50	442	0.207	ug/l	97
5) Bromomethane	1.65	94	447	0.358	ug/l #	66
10) Methyl Iodide	2.52	142	140	4.663	ug/l #	42
11) Tert butyl alcohol	3.03	59	1817	3.392	ug/l #	76
13) Acrolein	2.29	56	122	0.251	ug/l	88
16) Acetone	2.45	43	3222	2.593	ug/l	98
25) 2-Butanone	4.70	43	541	0.280	ug/l #	53
28) Bromochloromethane	4.99	49	23	Below Cal	#	20
31) Cyclohexane	5.66	56	3915	1.144	ug/l #	4
36) 1,1-Dichloropropene	5.66	75	13329	5.282	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16015	6.985	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	58486	25.037	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58486	64.060	ug/l #	10

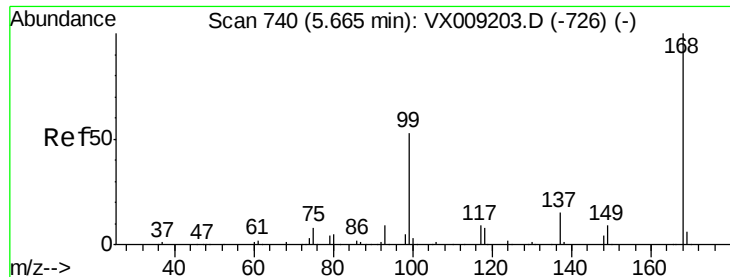
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

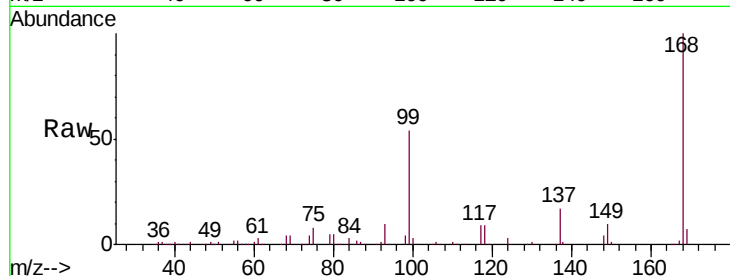
MW-9A_R2

Tgt Ion:168 Resp: 169521

Ion Ratio Lower Upper

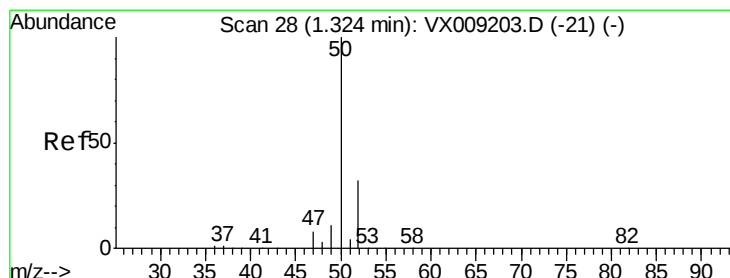
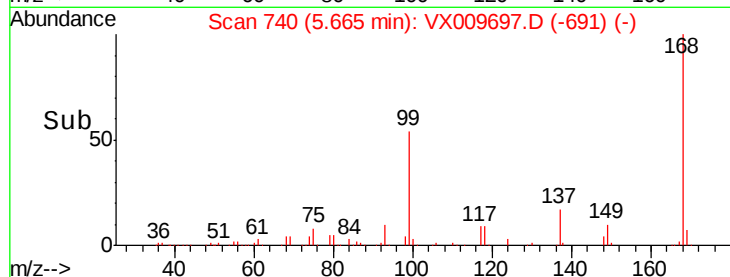
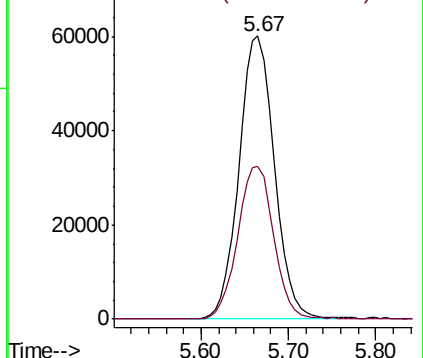
168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009697.D

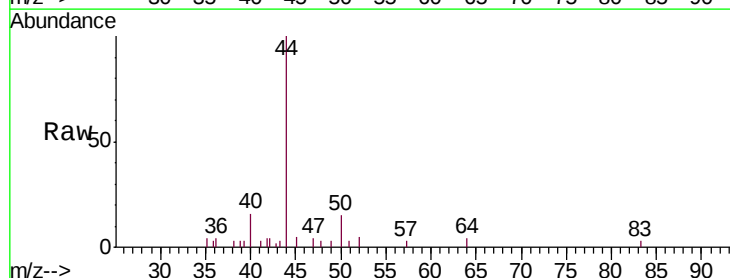
Acq: 18 May 2019 06:16

Tgt Ion: 50 Resp: 442

Ion Ratio Lower Upper

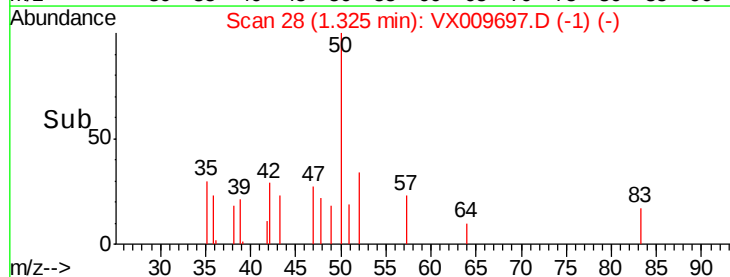
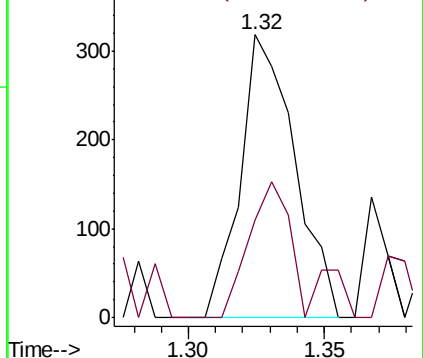
50 100

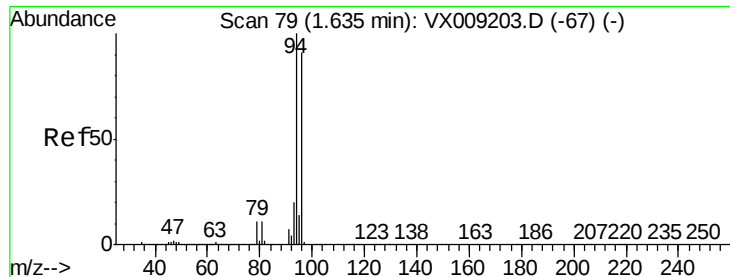
52 34.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampled :

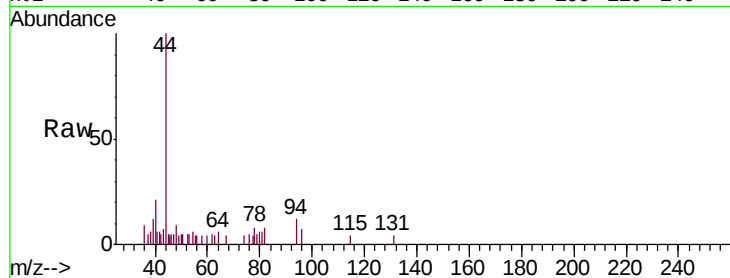
MW-9A_R2

Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

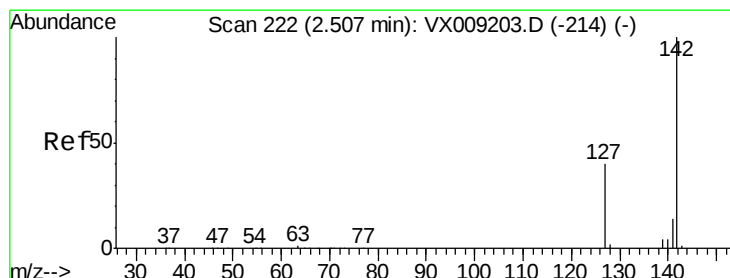
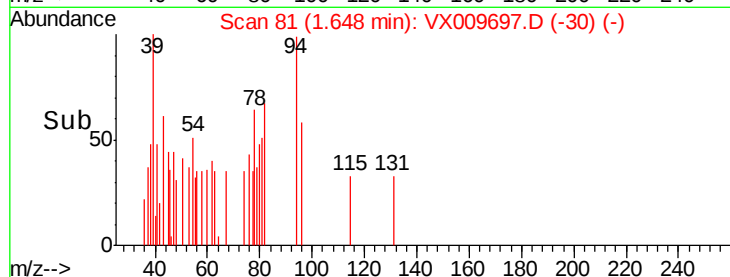
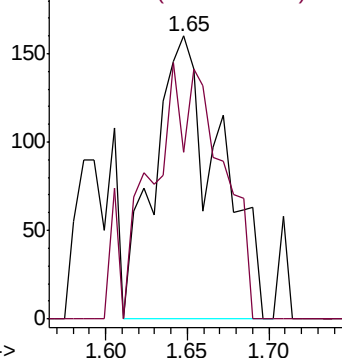
94 100

96 58.8 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.663 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

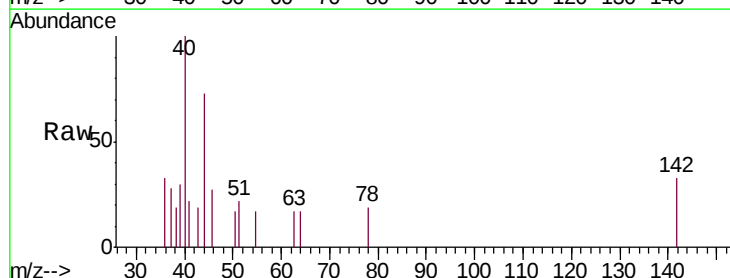
Tgt Ion: 142 Resp: 140

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

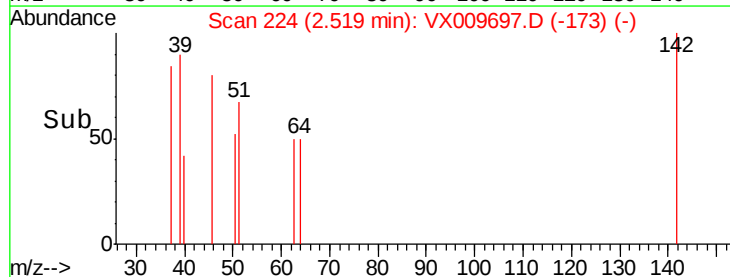
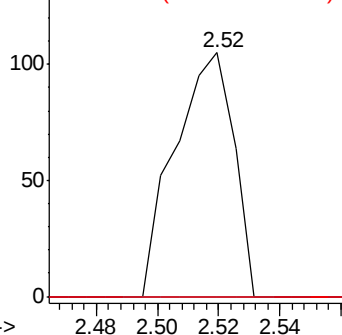
141 0.0 11.5 17.3#

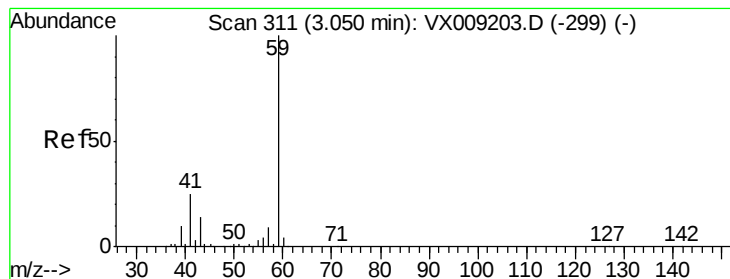


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



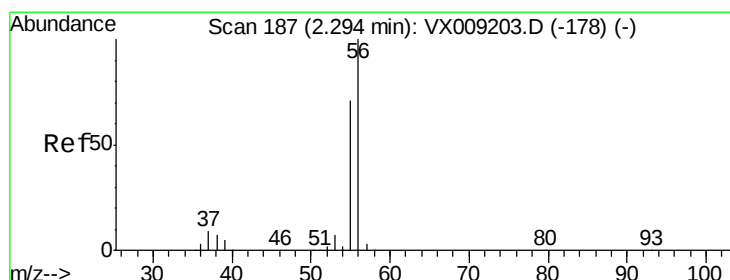
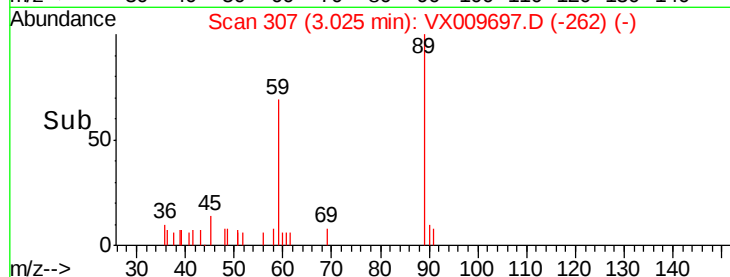
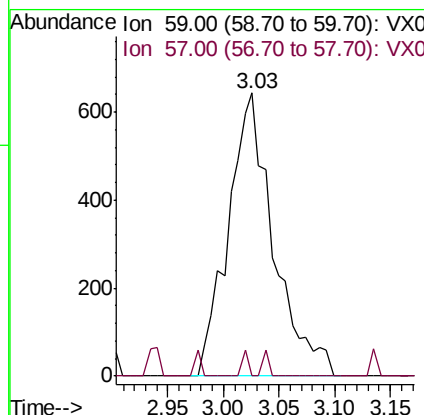
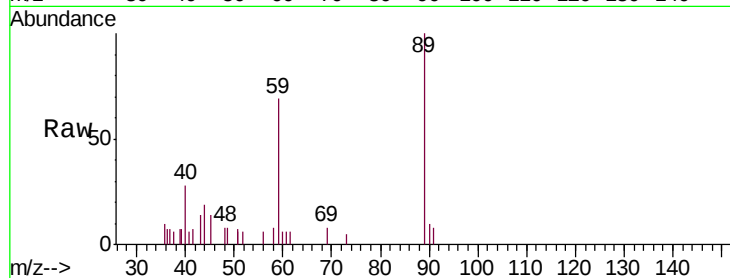


#11

Tert butyl alcohol
 Concen: 3.392 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009697.D
 Acq: 18 May 2019 06:16

Instrument :
 MSVOA_X
 ClientSampled :
 MW-9A_R2

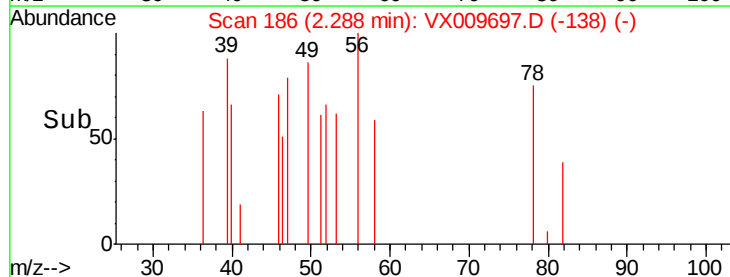
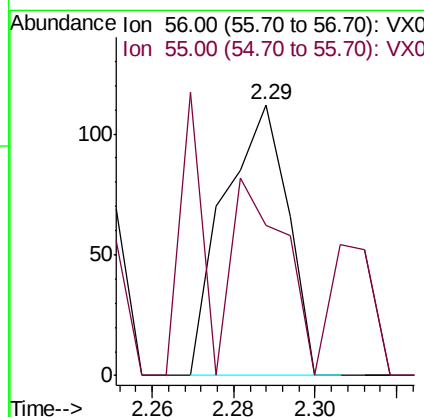
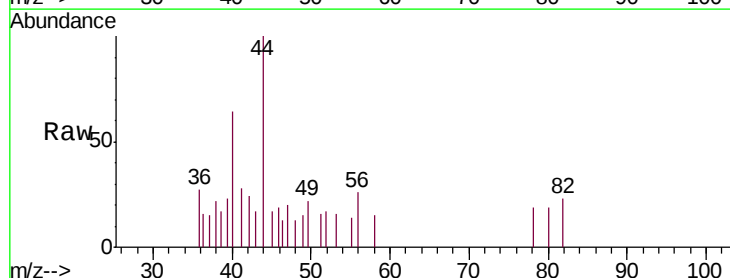
Tgt Ion: 59 Resp: 1817
 Ion Ratio Lower Upper
 59 100
 57 1.2 8.2 12.2#

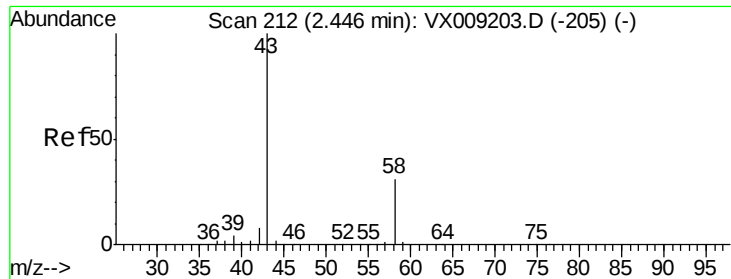


#13

Acrolein
 Concen: 0.251 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009697.D
 Acq: 18 May 2019 06:16

Tgt Ion: 56 Resp: 122
 Ion Ratio Lower Upper
 56 100
 55 60.7 56.6 85.0





#16

Acetone

Concen: 2.593 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

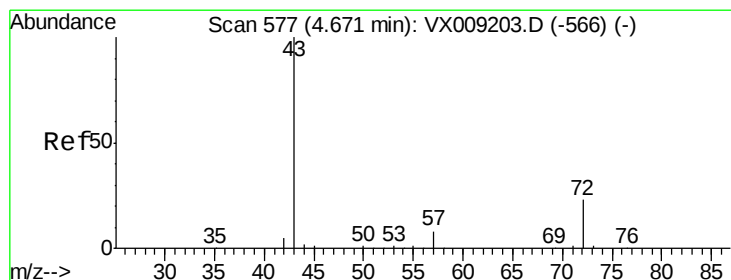
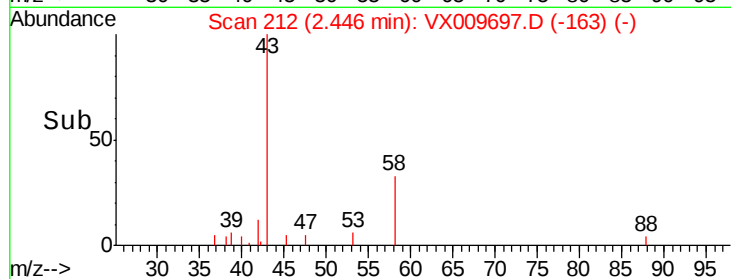
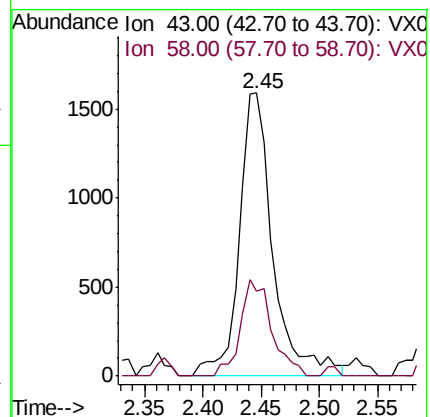
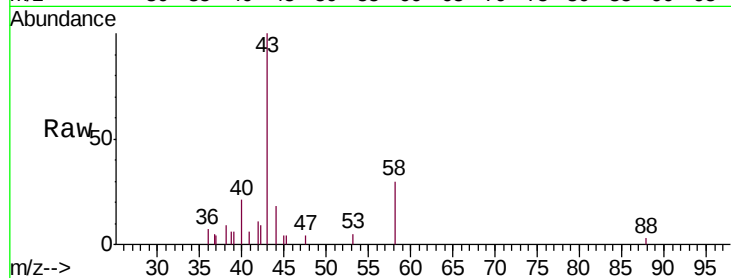
MW-9A_R2

Tgt Ion: 43 Resp: 3222

Ion Ratio Lower Upper

43 100

58 30.0 24.9 37.3



#25

2-Butanone

Concen: 0.280 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX009697.D

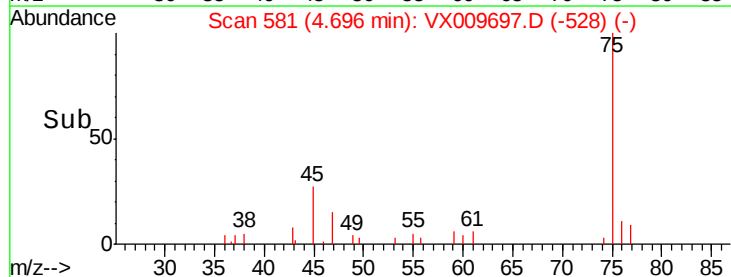
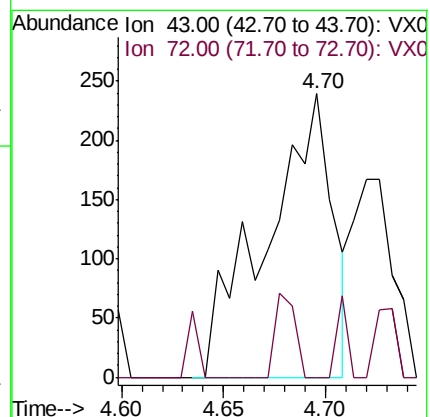
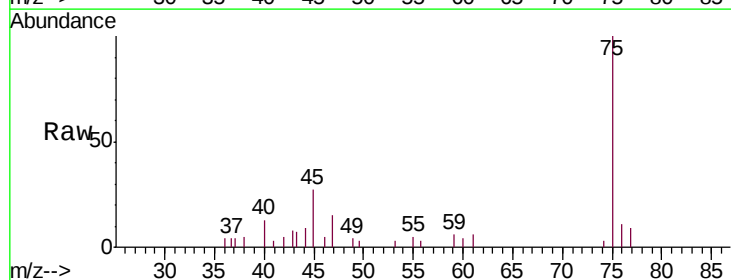
Acq: 18 May 2019 06:16

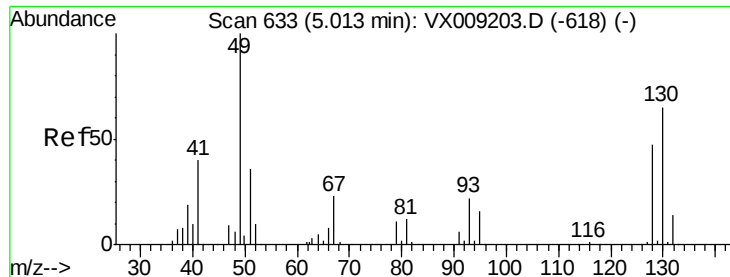
Tgt Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

MW-9A_R2

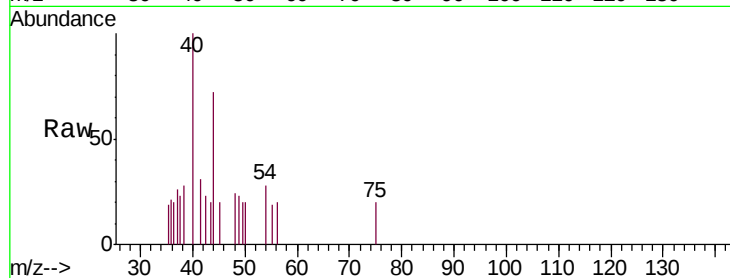
Tgt Ion: 49 Resp: 23

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

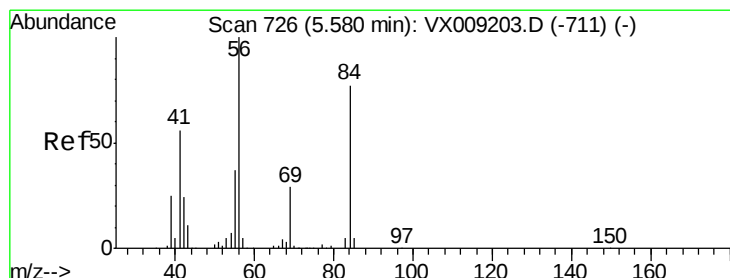
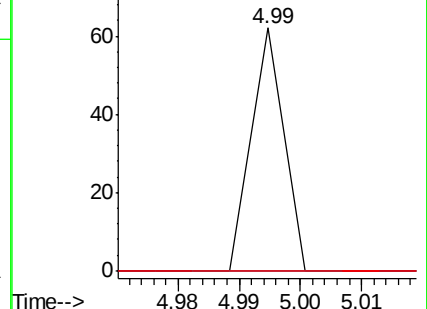
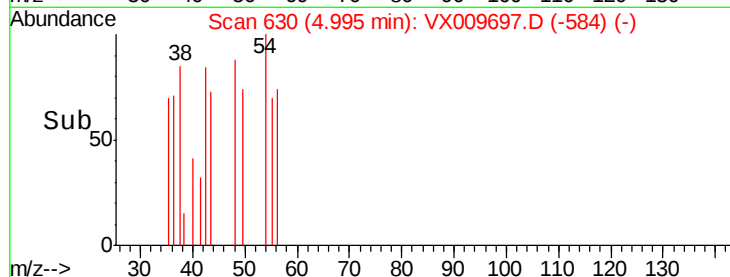
130 0.0 51.2 76.8#



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: 1.144 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

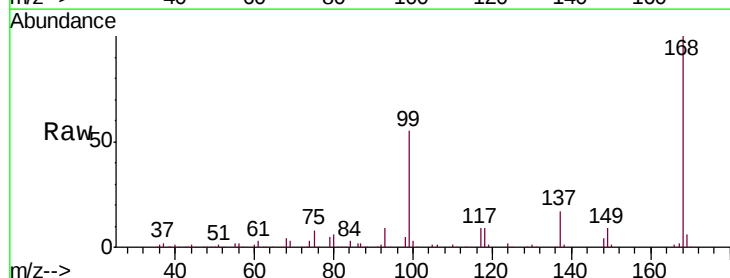
Tgt Ion: 56 Resp: 3915

Ion Ratio Lower Upper

56 100

69 138.0 23.4 35.0#

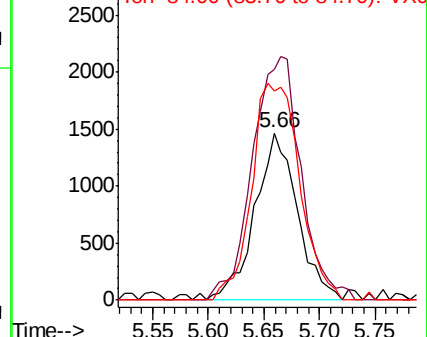
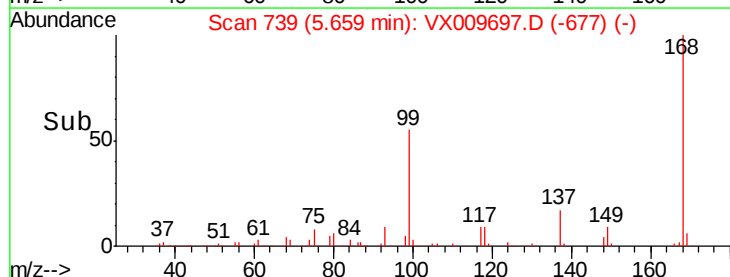
84 125.6 61.9 92.9#

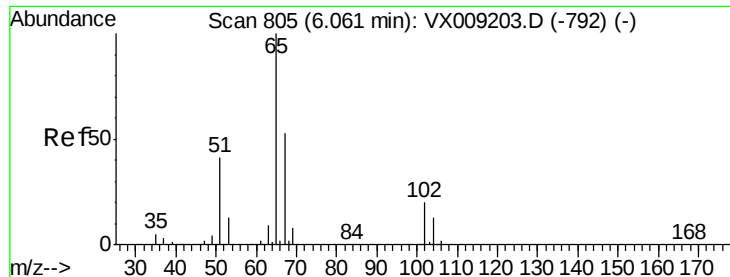


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

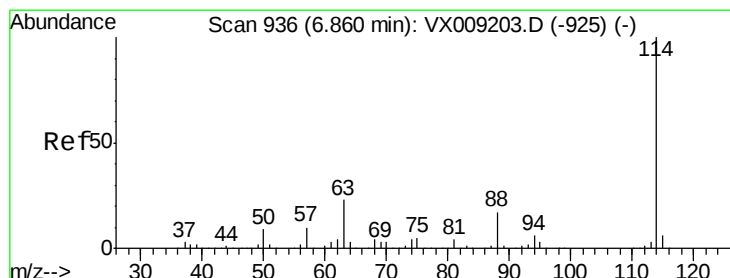
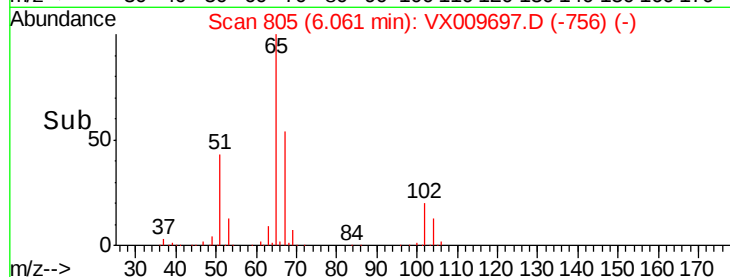
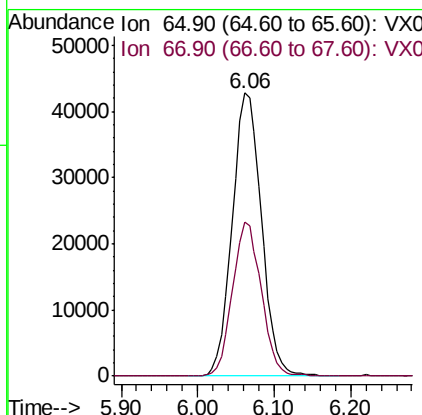
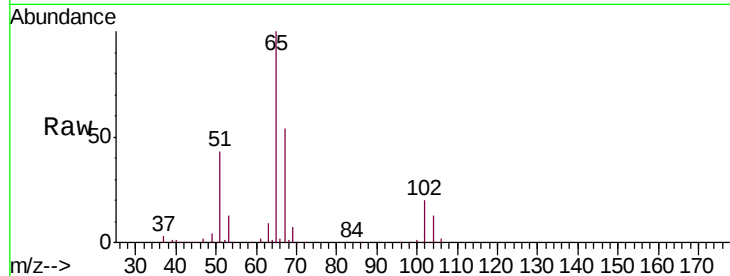




#33
 1,2-Dichloroethane-d4
 Concen: 49.027 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009697.D
 Acq: 18 May 2019 06:16

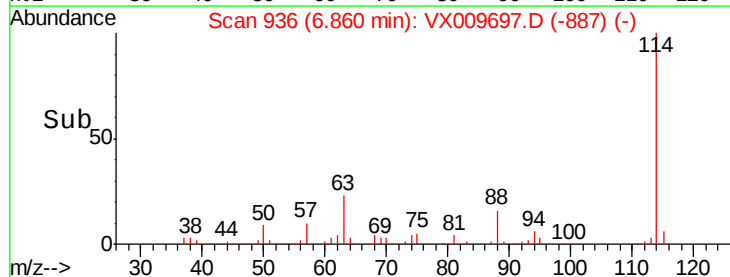
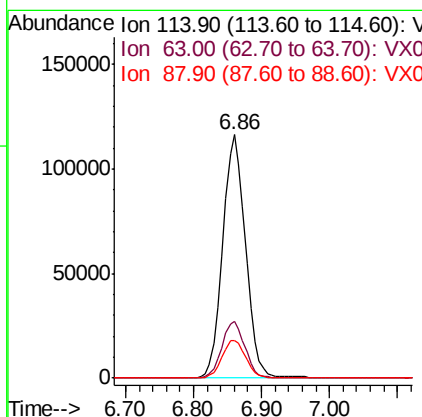
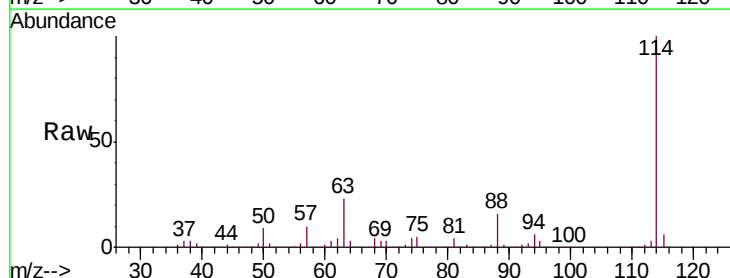
Instrument :
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 MW-9A_R2

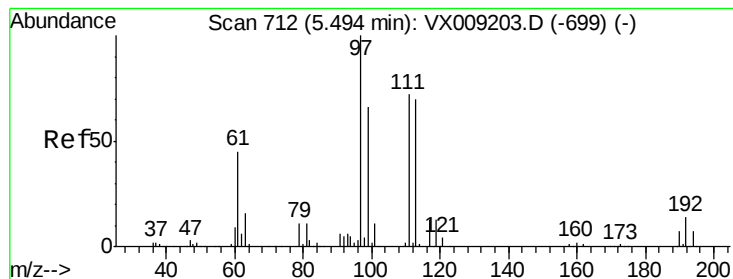
Tgt Ion: 65 Resp: 113457
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009697.D
 Acq: 18 May 2019 06:16

Tgt Ion: 114 Resp: 271554
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.663 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

MW-9A_R2

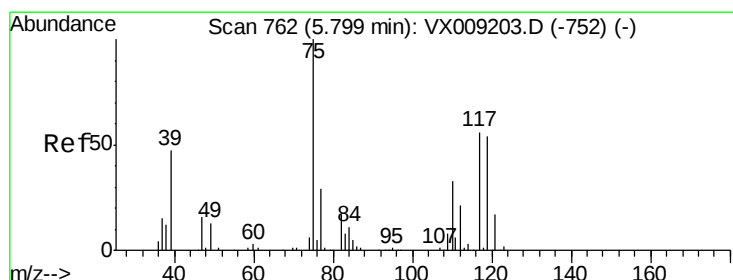
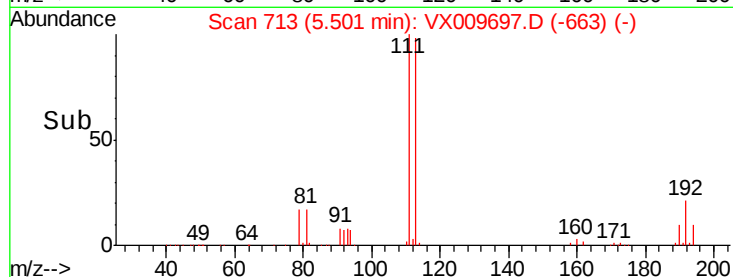
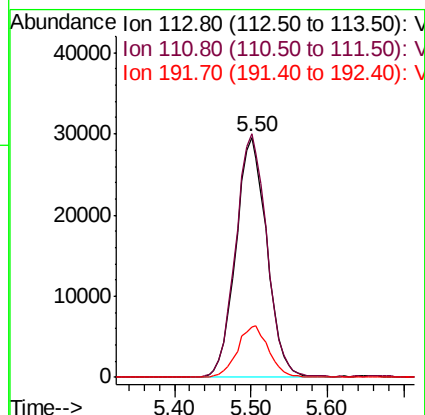
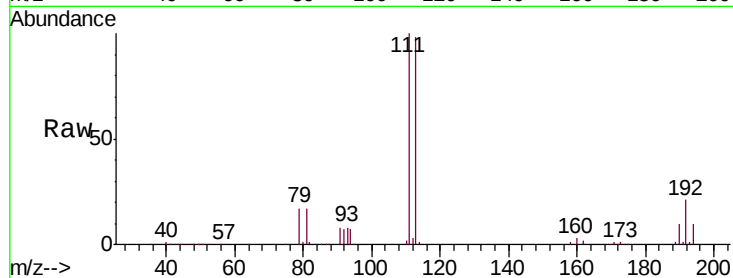
Tgt Ion:113 Resp: 83073

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 21.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.282 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

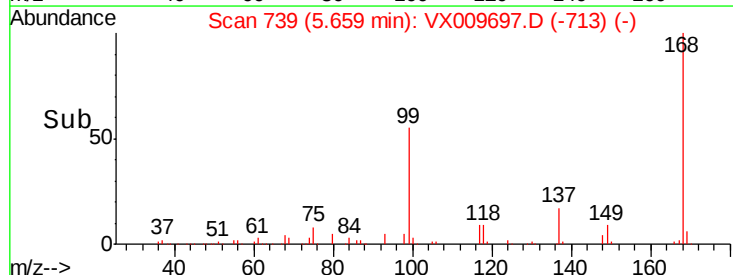
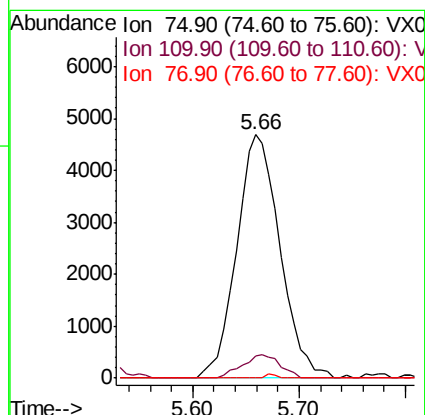
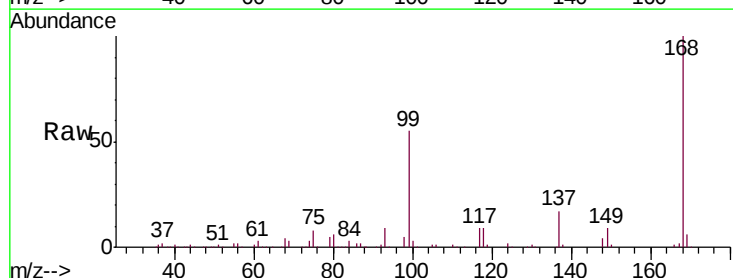
Tgt Ion: 75 Resp: 13329

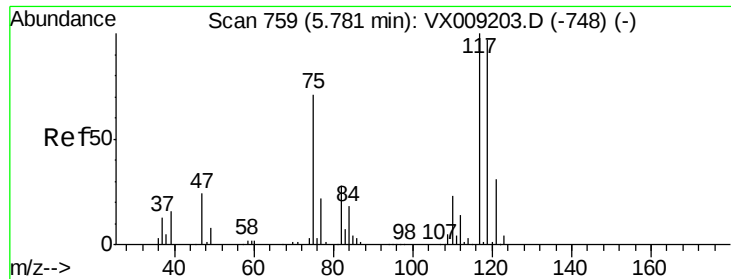
Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.6#

77 0.4 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.985 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

MW-9A_R2

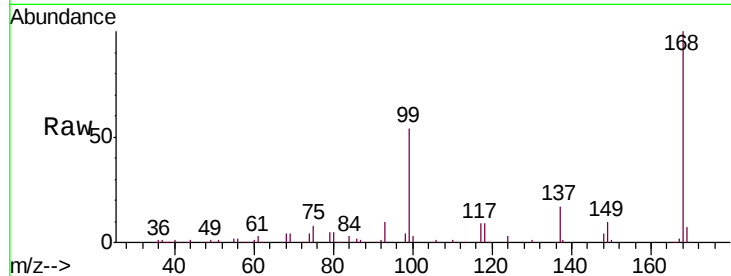
Tgt Ion:117 Resp: 16015

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

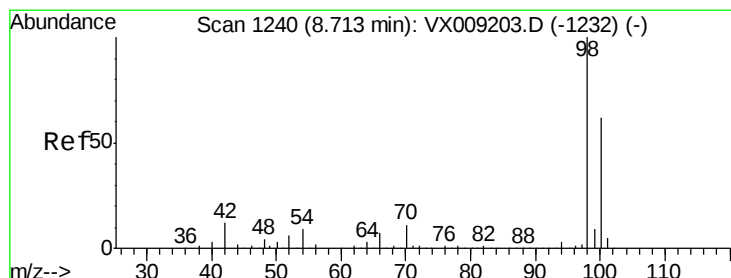
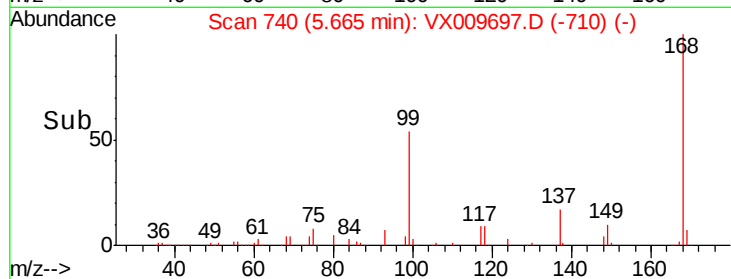
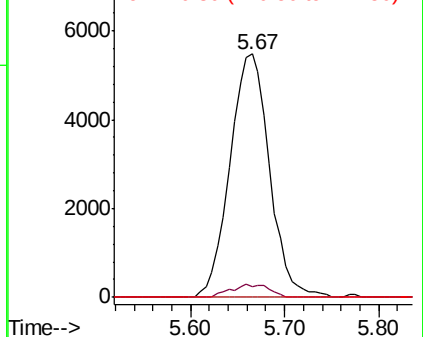
121 0.0 24.7 37.1#



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: 49.297 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009697.D

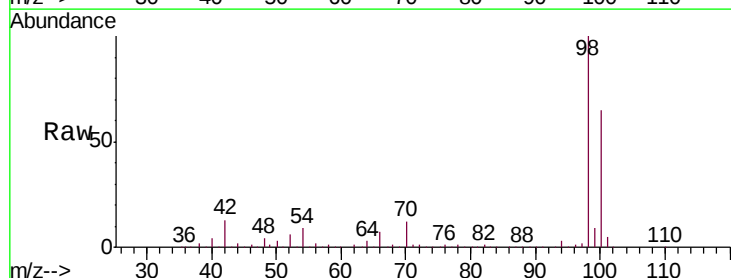
Acq: 18 May 2019 06:16

Tgt Ion: 98 Resp: 339753

Ion Ratio Lower Upper

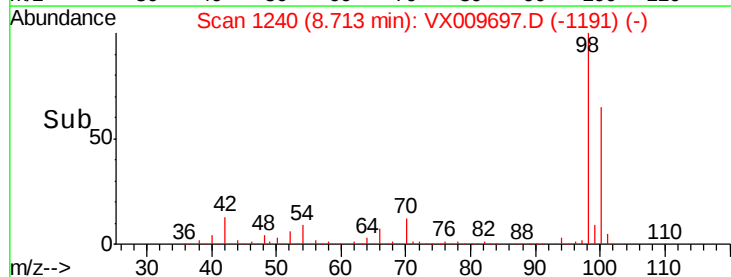
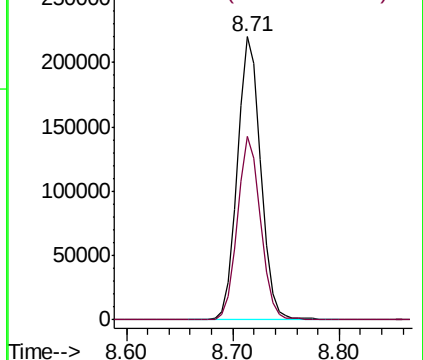
98 100

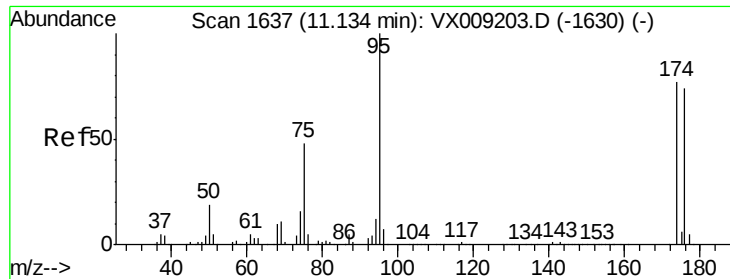
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.061 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

MW-9A_R2

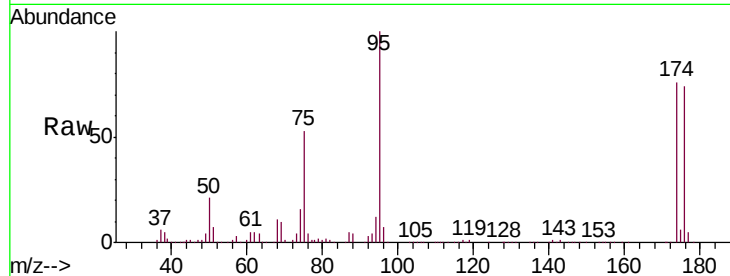
Tgt Ion: 95 Resp: 112846

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

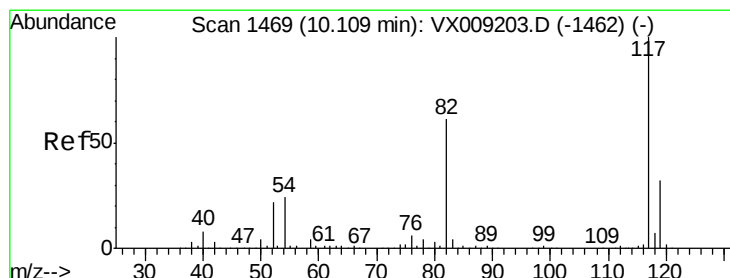
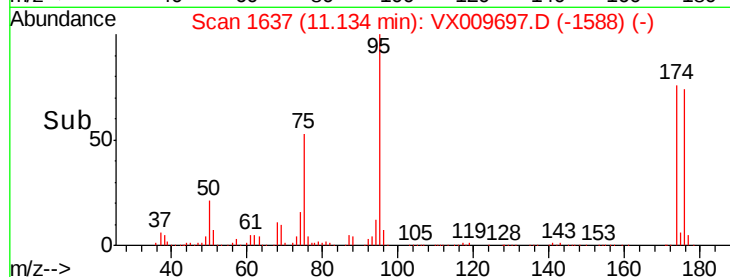
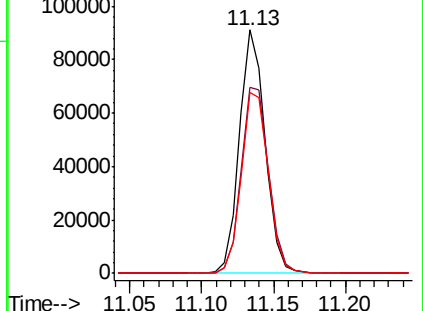
176 78.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009697.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009697.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009697.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

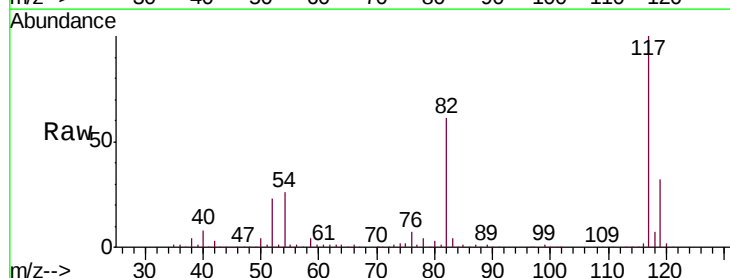
Tgt Ion: 117 Resp: 238885

Ion Ratio Lower Upper

117 100

82 60.8 48.8 73.2

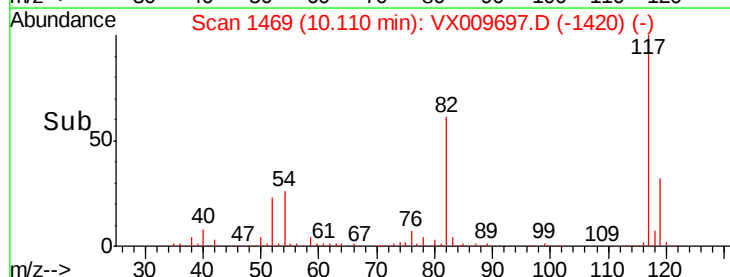
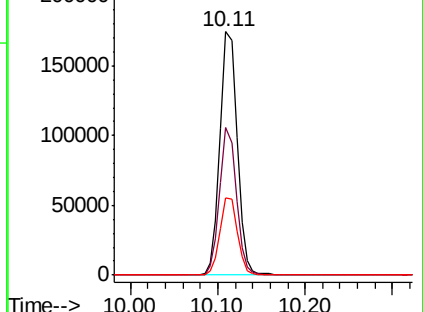
119 31.6 25.8 38.6

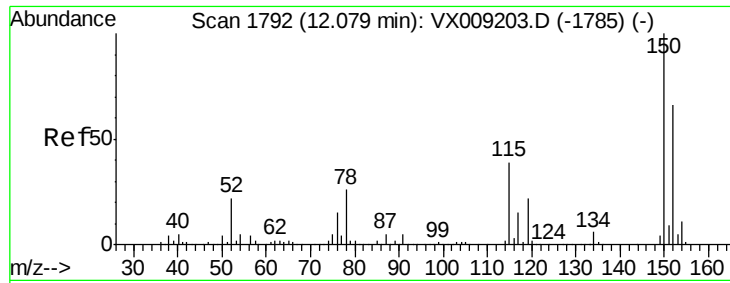


Abundance Ion 116.90 (116.60 to 117.60): VX009697.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009697.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009697.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: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

MW-9A_R2

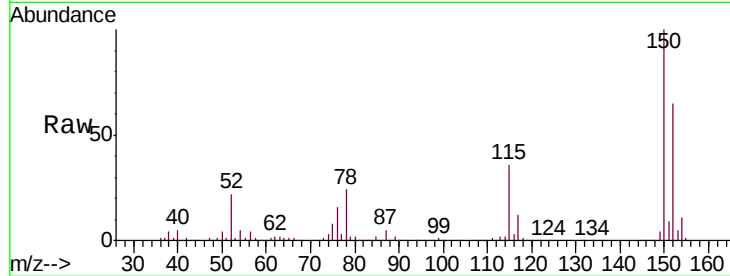
Tgt Ion:152 Resp: 100706

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

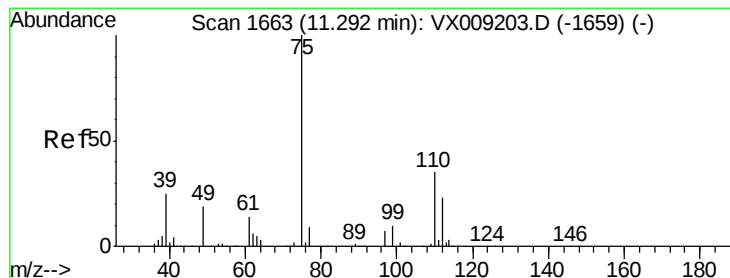
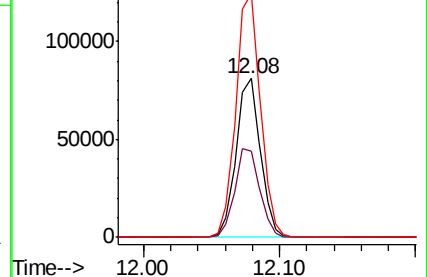
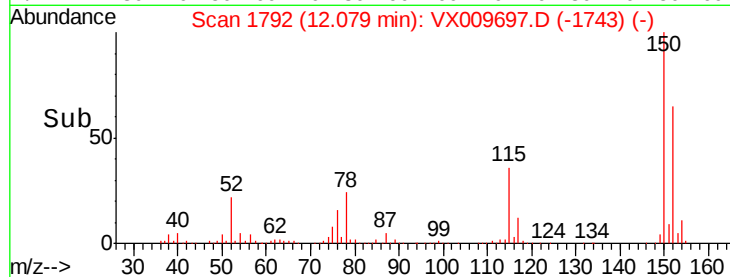
150 155.3 0.0 346.4



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: 25.037 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009697.D

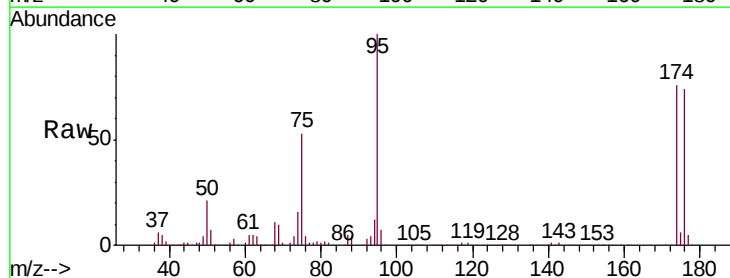
Acq: 18 May 2019 06:16

Tgt Ion: 75 Resp: 58486

Ion Ratio Lower Upper

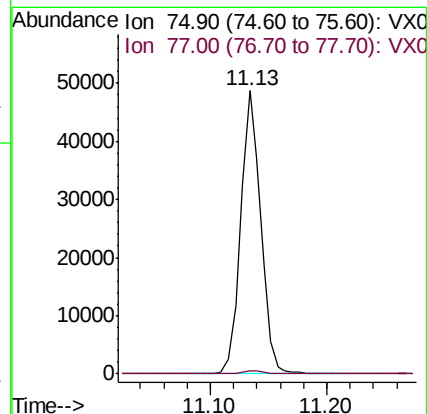
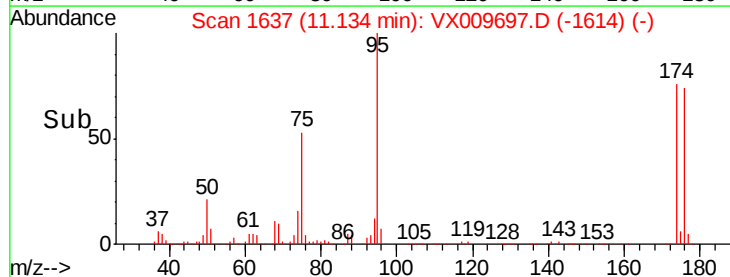
75 100

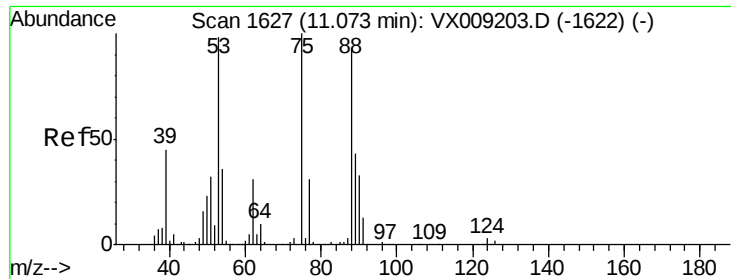
77 1.3 22.1 66.1#



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: 64.060 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009697.D

Acq: 18 May 2019 06:16

Instrument :

MSVOA_X

ClientSampleId :

MW-9A_R2

Tgt Ion: 75 Resp: 58486

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

