

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009525.D
 Acq On : 11 May 2019 15:07
 Operator : JC/SP
 Sample : K2799-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: May 12 01:59:54 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	5.66	168	186510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103446	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	121947	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	5.50	113	89583	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	366265	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.13	95	118401	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	

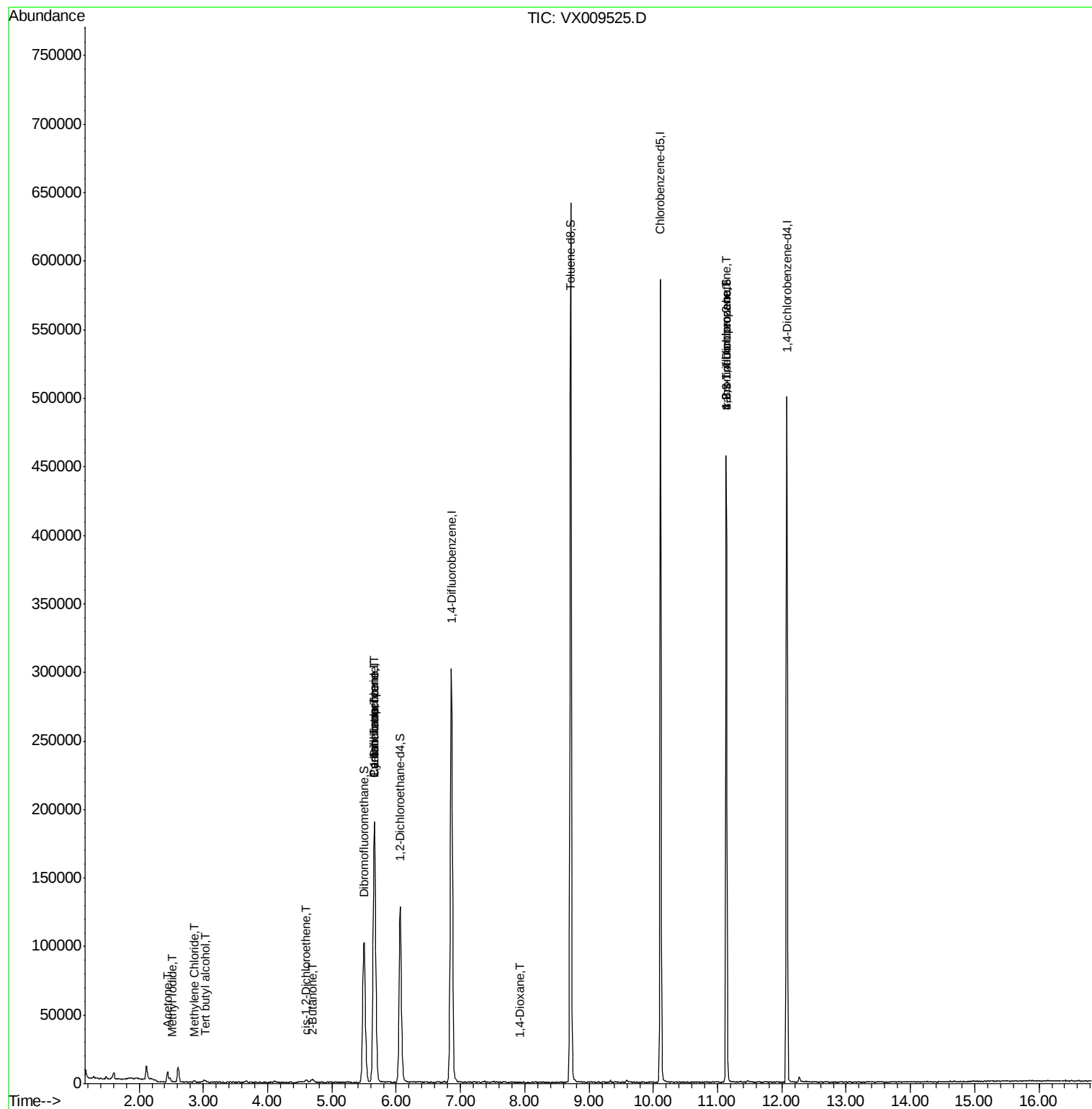
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.53	142	83	4.631	ug/l #	42
11) Tert butyl alcohol	3.03	59	1386	2.352	ug/l #	81
16) Acetone	2.45	43	8083	5.912	ug/l	97
20) Methylene Chloride	2.85	84	502	0.227	ug/l #	87
25) 2-Butanone	4.71	43	1183	0.557	ug/l #	89
27) cis-1,2-Dichloroethene	4.60	96	999	0.441	ug/l	98
28) Bromochloromethane	4.99	49	23	Below Cal	#	20
31) Cyclohexane	5.66	56	4138	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14077	5.123	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17585	7.044	ug/l #	15
49) 1,4-Dioxane	7.92	88	22	0.357	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59304	24.714	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59304	63.235	ug/l #	10

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

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MSVOA_X
ClientSampleId :
MW-5

Quant Time: May 12 01:59:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009525.D

Acq: 11 May 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

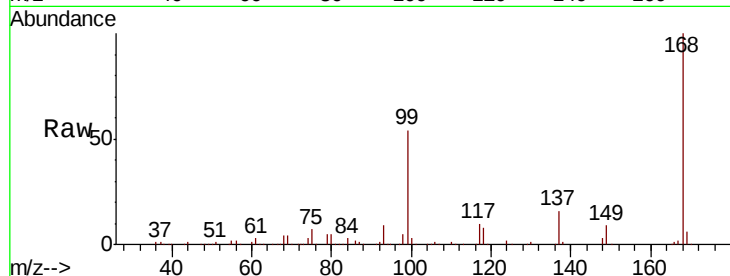
MW-5

Tot Ion:168 Resp: 186510

Ion Ratio Lower Upper

168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

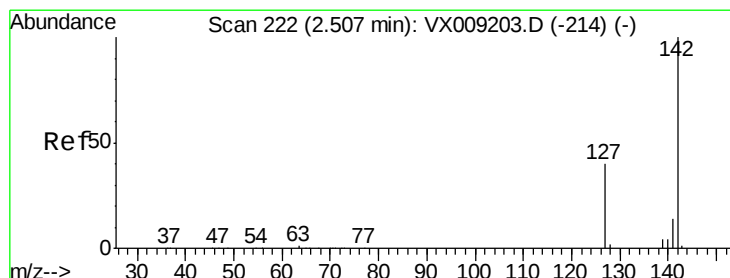
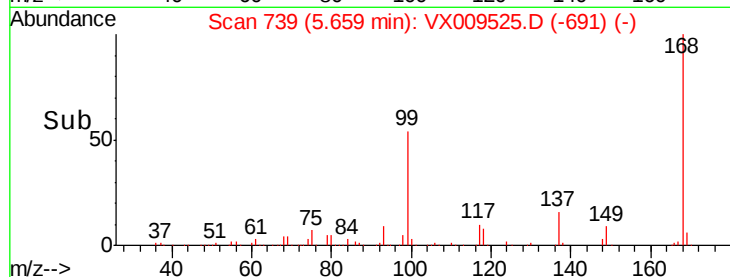
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.631 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009525.D

Acq: 11 May 2019 15:07

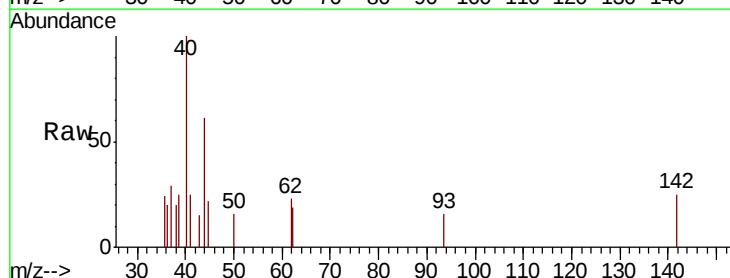
Tgt Ion:142 Resp: 83

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

2.53

100

80

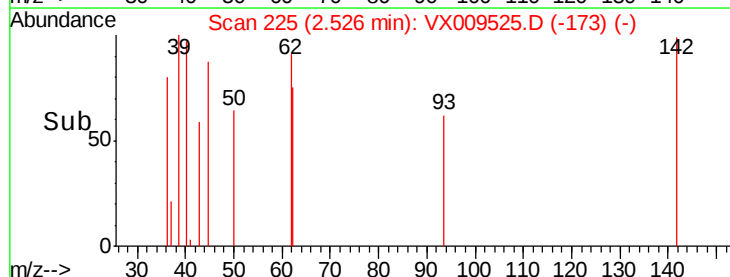
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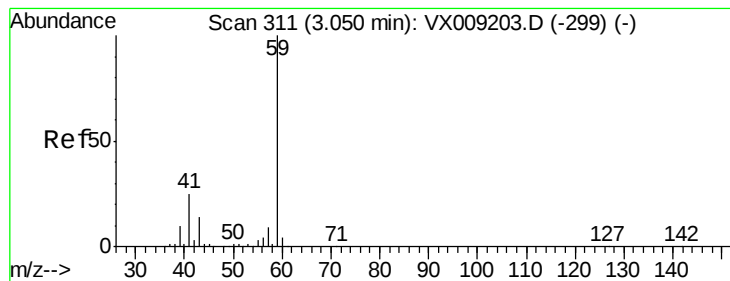
40

20

0

Time--> 2.50 2.52 2.54



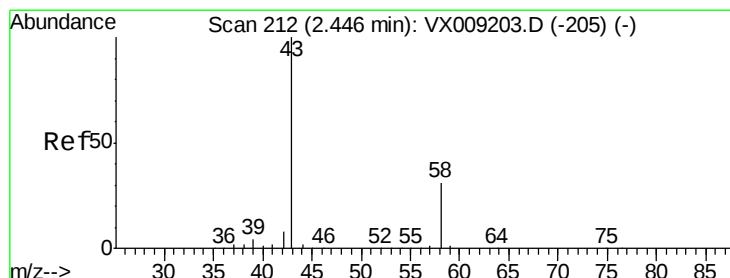
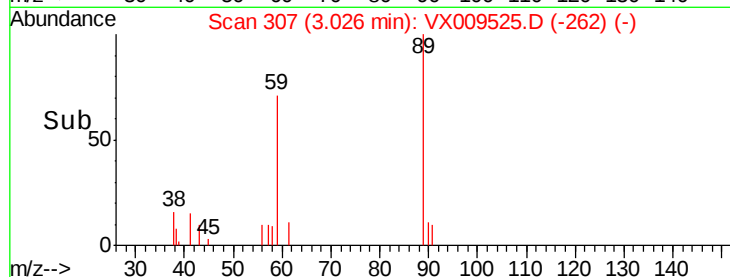
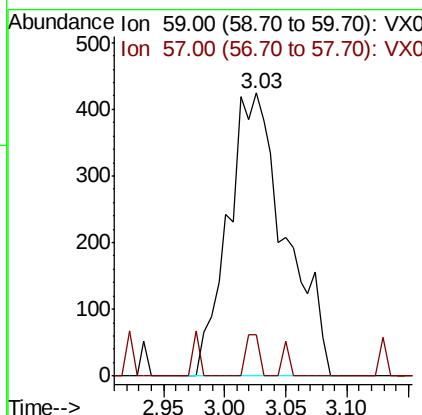
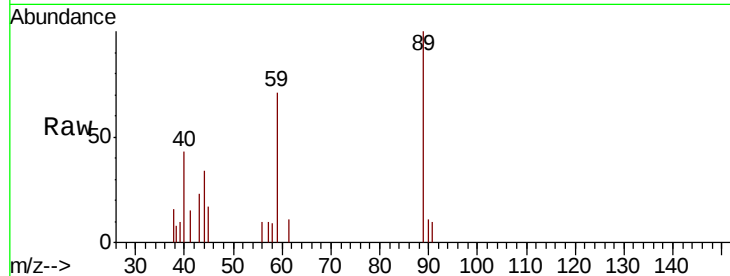


#11

Tert butyl alcohol
 Concen: 2.352 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX009525.D
 Acq: 11 May 2019 15:07

Instrument :
 MSVOA_X
 ClientSampleID :
 MW-5

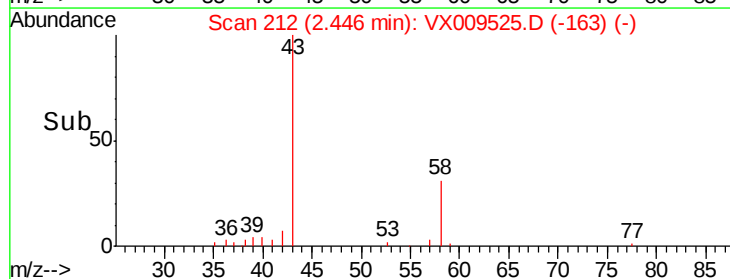
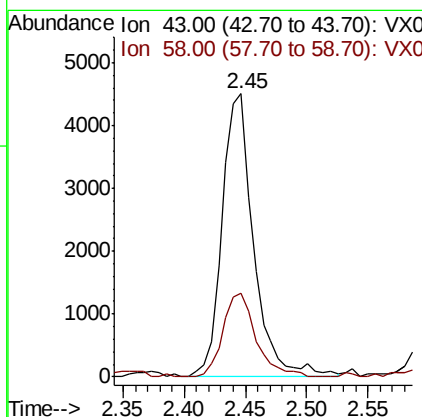
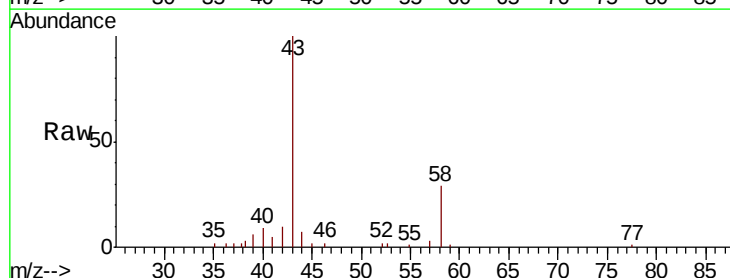
Tot Ion: 59 Resp: 1386
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.2 12.2#

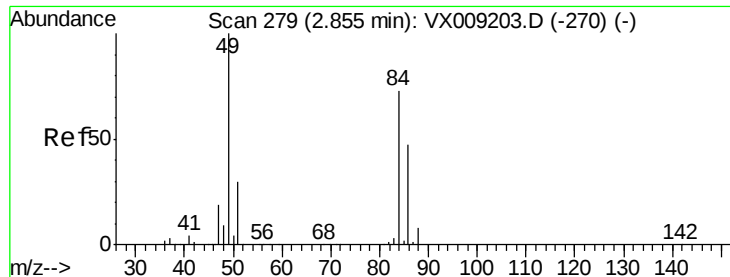


#16

Acetone
 Concen: 5.912 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX009525.D
 Acq: 11 May 2019 15:07

Tgt Ion: 43 Resp: 8083
 Ion Ratio Lower Upper
 43 100
 58 29.4 24.9 37.3



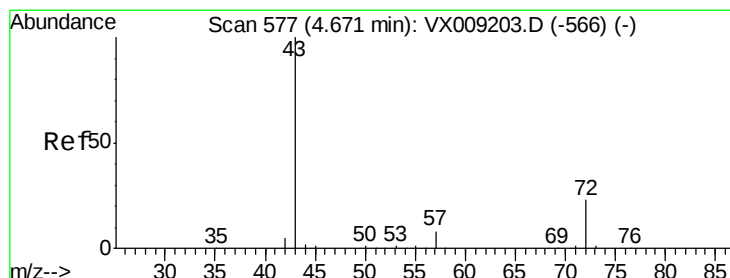
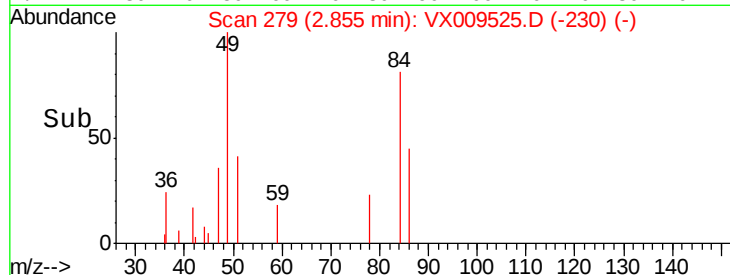
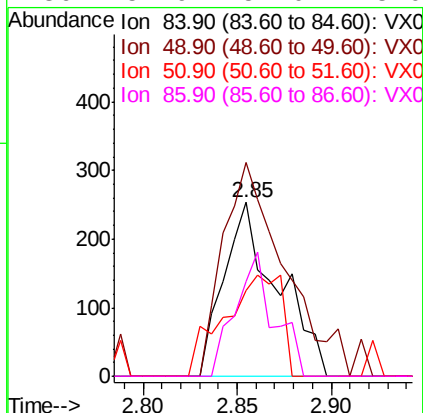
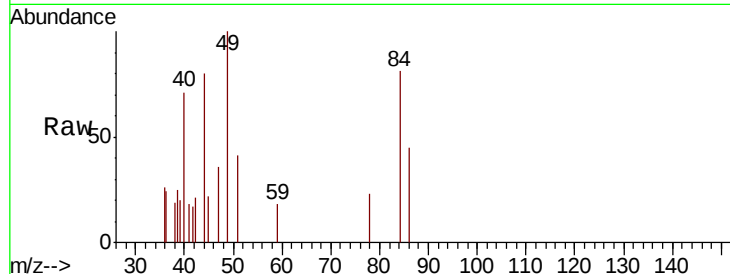


#20
Methvlene Chloride
Concen: 0.227 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009525.D
Acq: 11 May 2019 15:07

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion: 84 Resp: 502

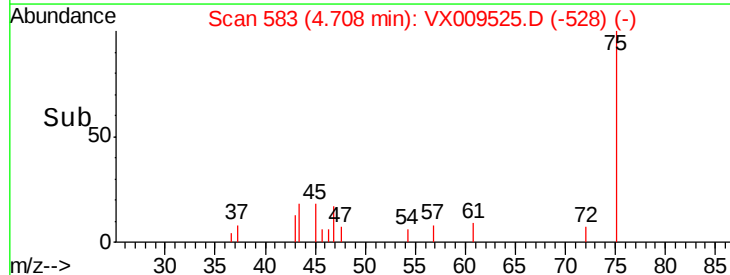
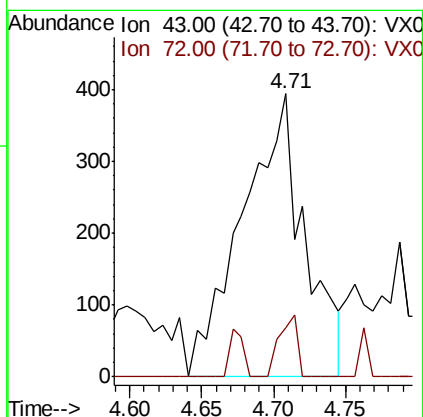
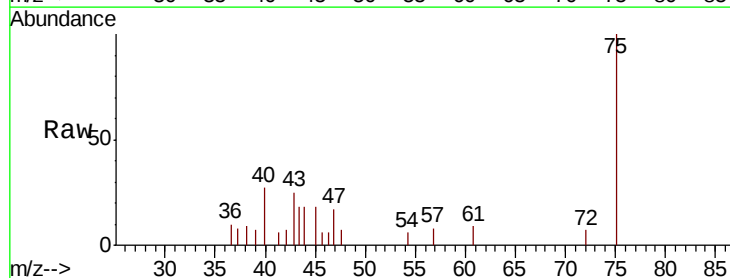
Ion	Ratio	Lower	Upper
84	100		
49	122.9	109.9	164.9
51	49.8	32.7	49.1#
86	54.9	52.0	78.0

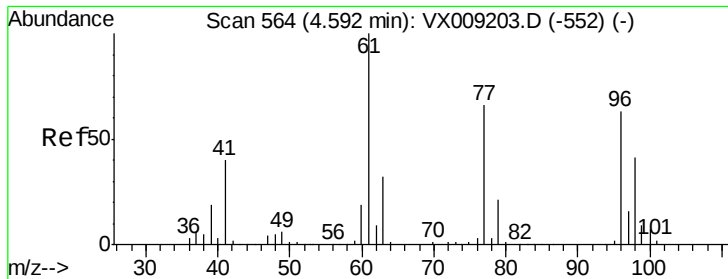


#25
2-Butanone
Concen: 0.557 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.04 min
Lab File: VX009525.D
Acq: 11 May 2019 15:07

Tgt Ion: 43 Resp: 1183

Ion	Ratio	Lower	Upper
43	100		
72	17.5	18.2	27.2#



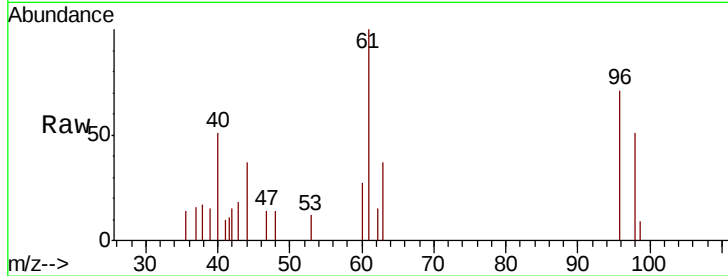


#27

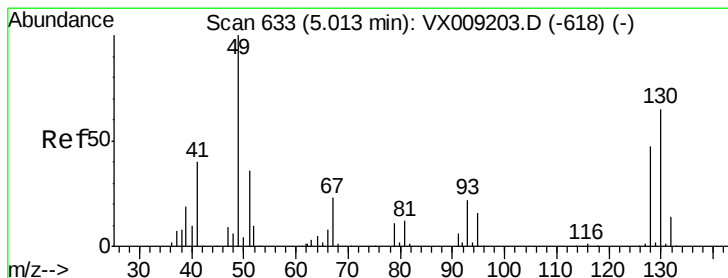
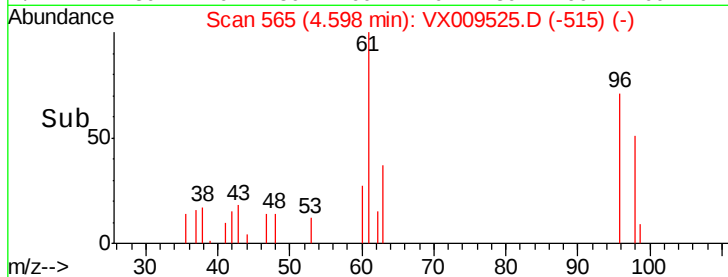
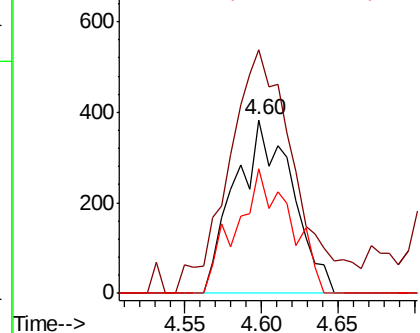
cis-1,2-Dichloroethene
 Concen: 0.441 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009525.D
 Acq: 11 May 2019 15:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	324.0
98	68.2	0.0	130.4



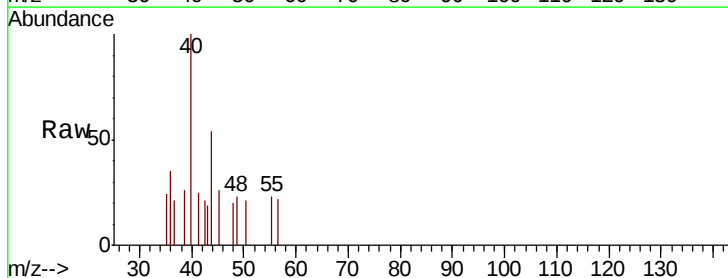
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



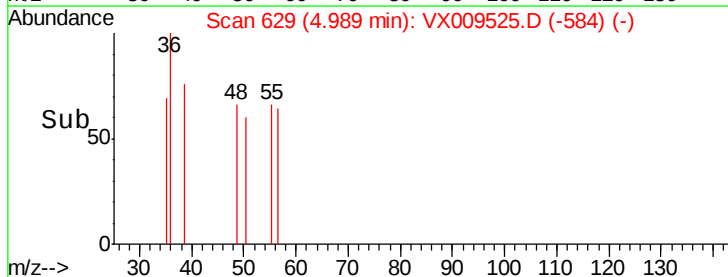
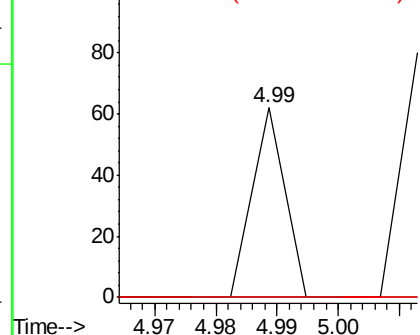
#28

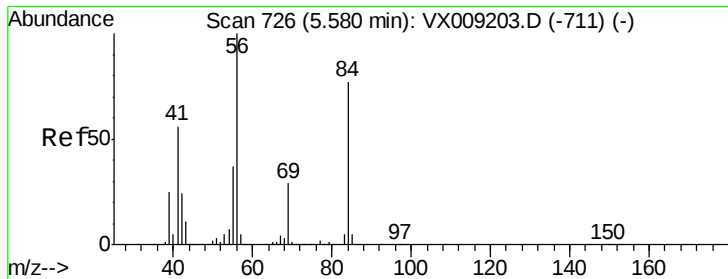
Bromochloromethane
 Concen: Below Cal
 RT: 4.99 min Scan# 629
 Delta R.T. -0.02 min
 Lab File: VX009525.D
 Acq: 11 May 2019 15:07

Tgt 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

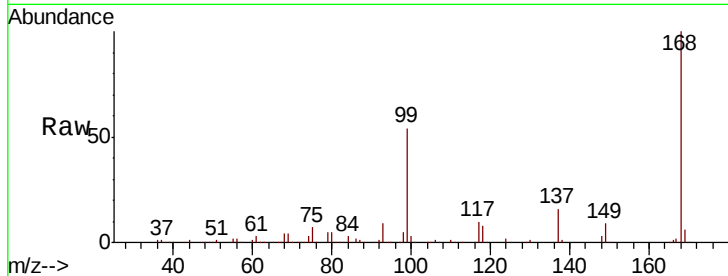




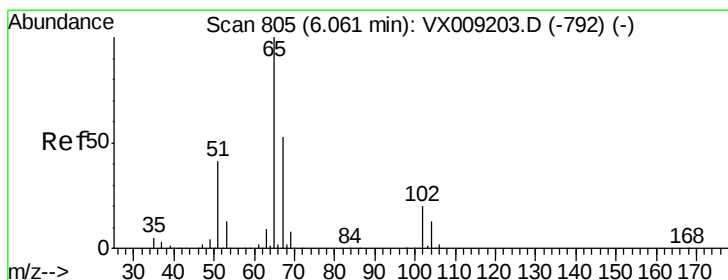
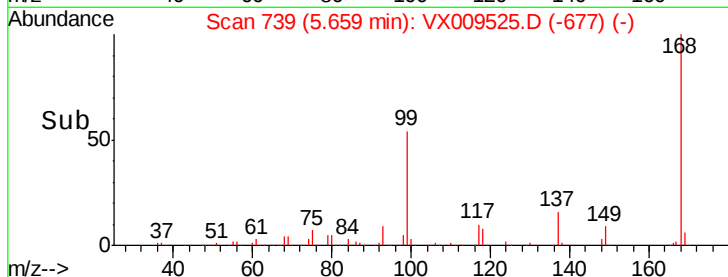
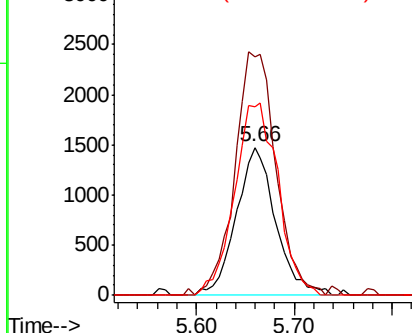
#31
Cyclohexane
Concen: 1.099 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009525.D
Acq: 11 May 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion: 56 Resp: 4138
Ion Ratio Lower Upper
56 100
69 157.0 23.4 35.0#
84 127.4 61.9 92.9#

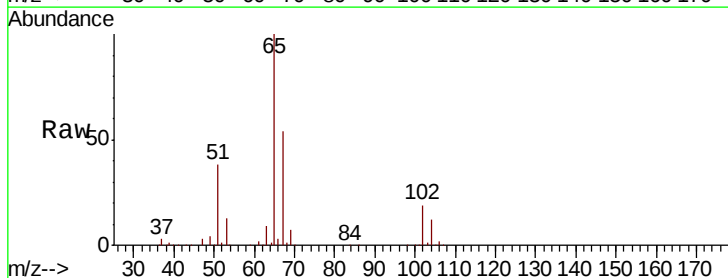


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

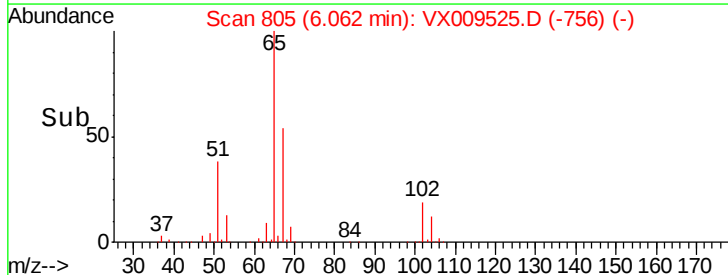
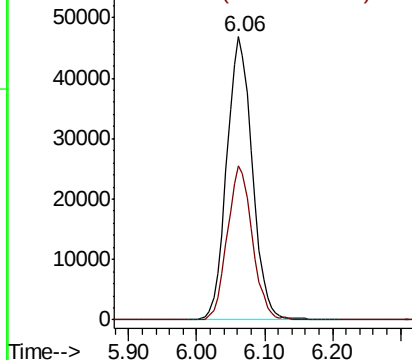


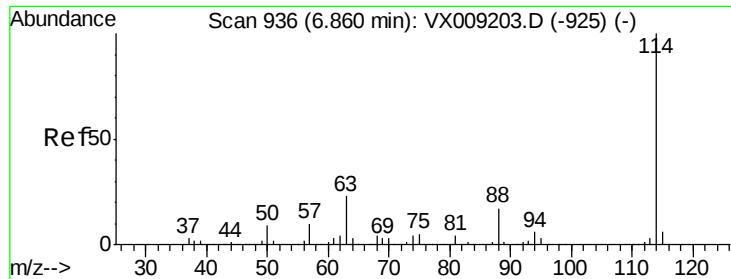
#33
1,2-Dichloroethane-d4
Concen: 47.896 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009525.D
Acq: 11 May 2019 15:07

Tgt Ion: 65 Resp: 121947
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

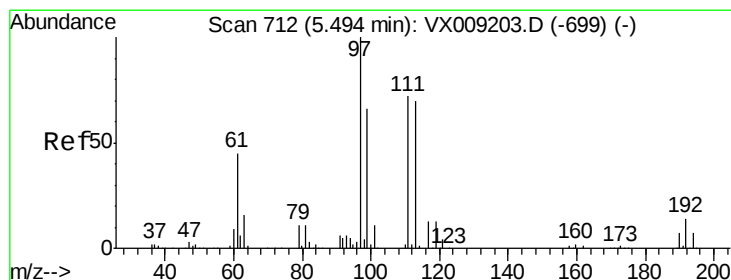
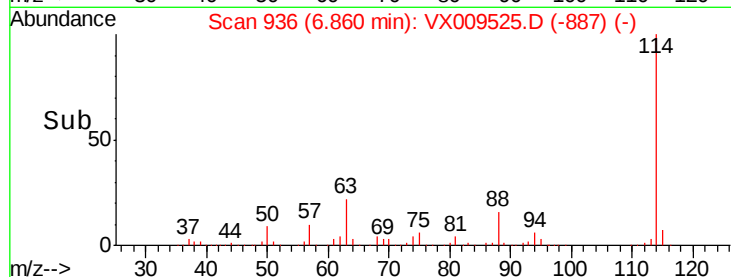
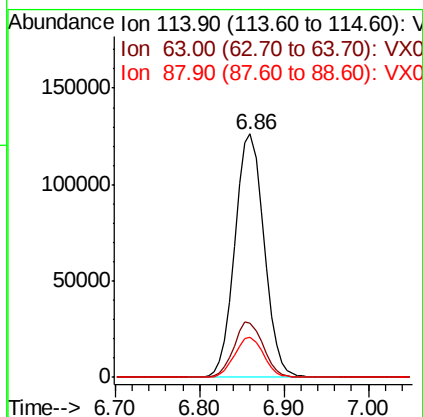
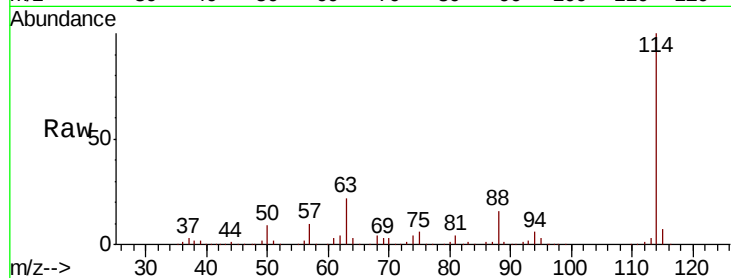




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009525.D
 Acq: 11 May 2019 15:07

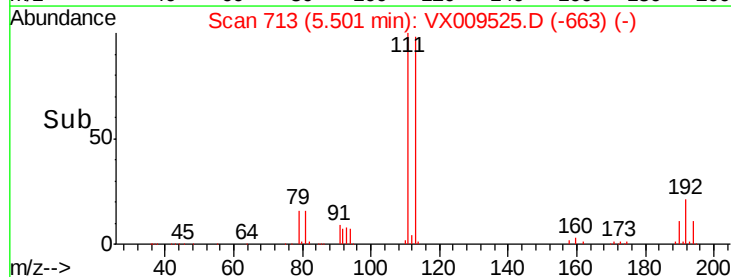
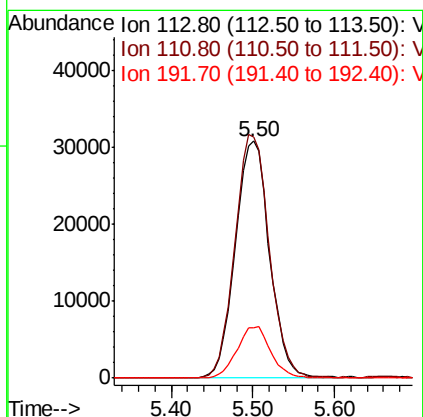
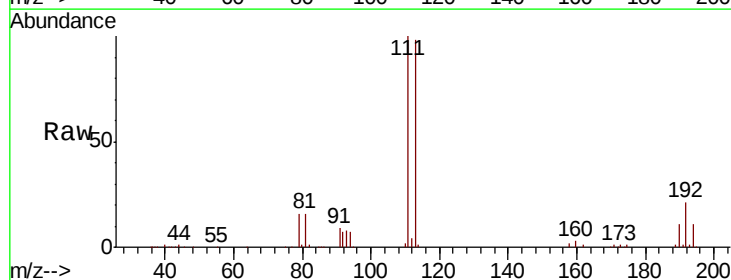
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

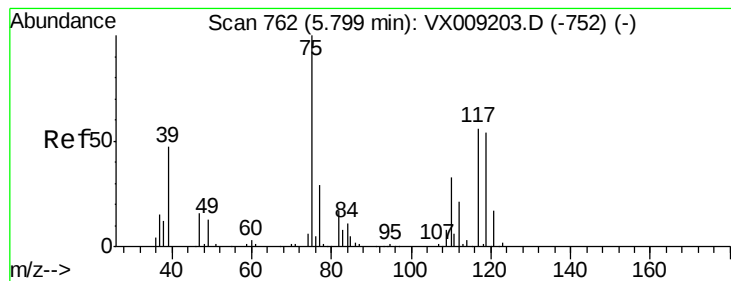
Tot Ion:114 Resp: 295659
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.6
 88 16.4 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.198 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009525.D
 Acq: 11 May 2019 15:07

Tgt Ion:113 Resp: 89583
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 21.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.123 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009525.D

Acq: 11 May 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

MW-5

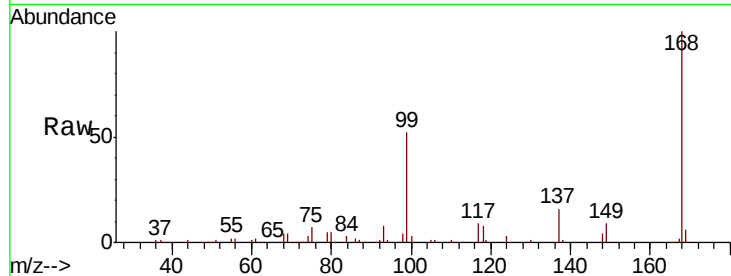
Tot Ion: 75 Resp: 14077

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.6#

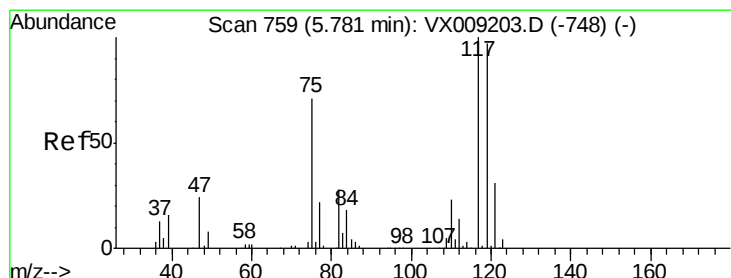
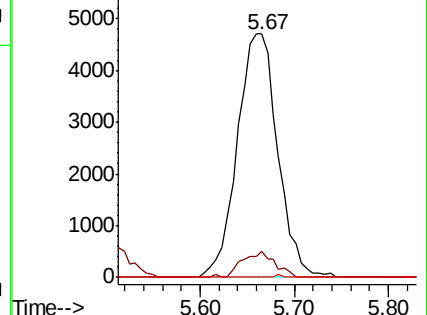
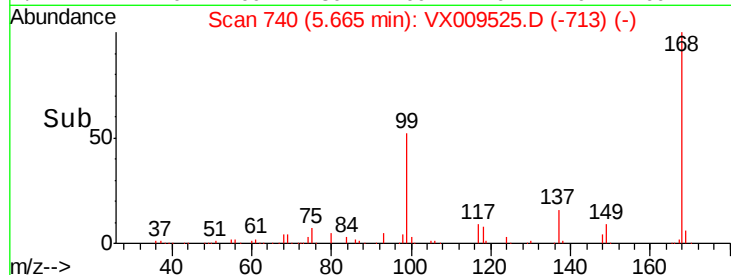
77 0.1 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.044 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009525.D

Acq: 11 May 2019 15:07

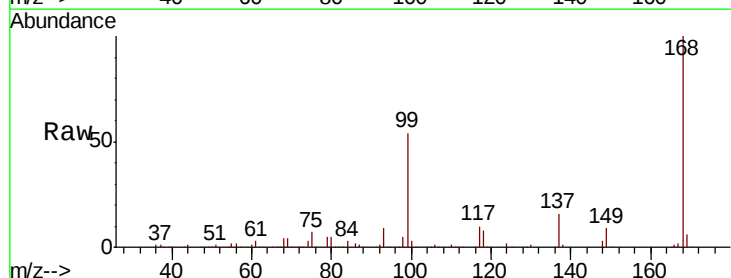
Tgt Ion: 117 Resp: 17585

Ion Ratio Lower Upper

117 100

119 4.3 77.5 116.3#

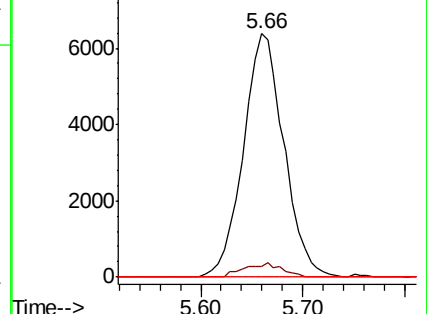
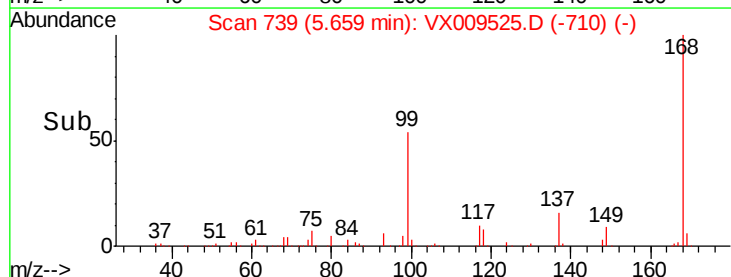
121 0.0 24.7 37.1#

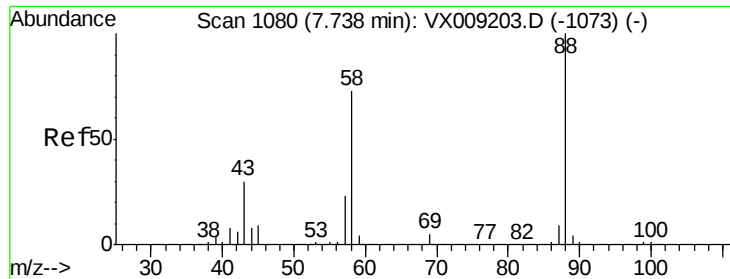


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.357 ug/l

RT: 7.92 min Scan# 1110

Delta R.T. 0.18 min

Lab File: VX009525.D

Acq: 11 May 2019 15:07

Instrument :

MSVOA_X

ClientSampled :

MW-5

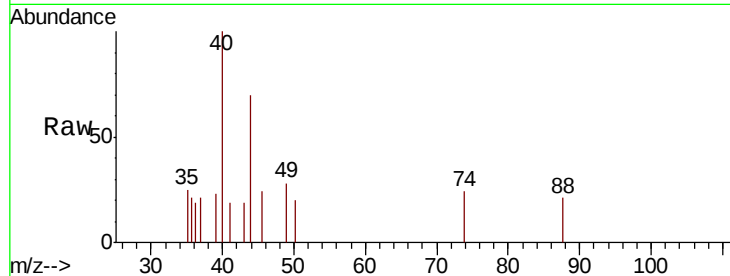
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 436.4 28.6 42.8#

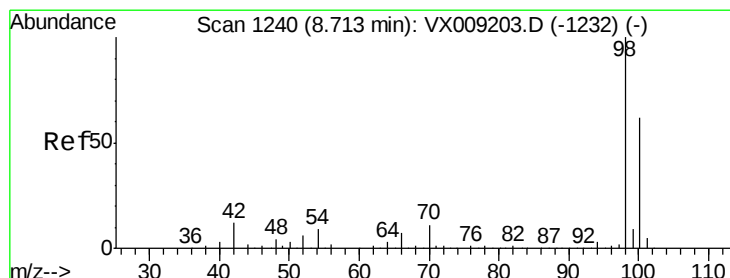
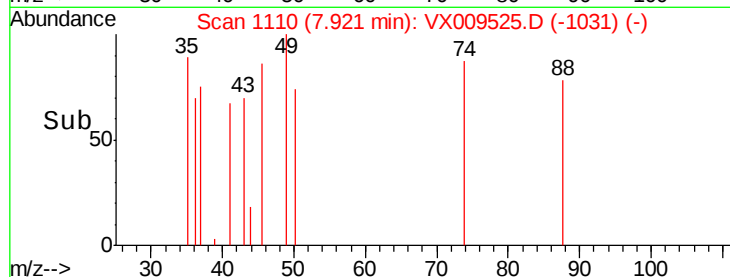
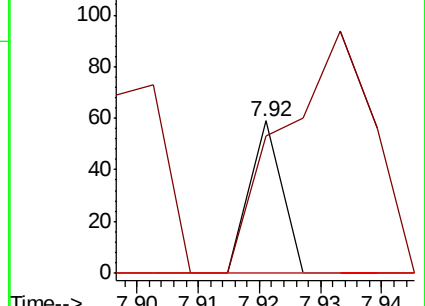
58 0.0 61.7 92.5#



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: 48.811 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009525.D

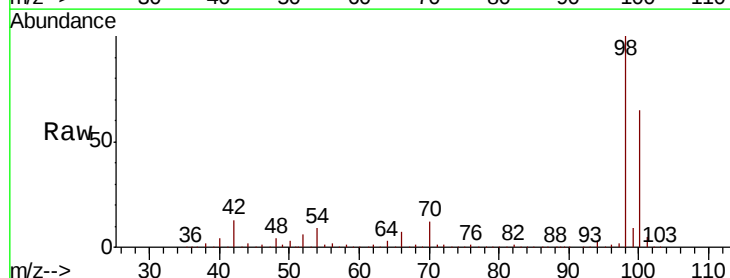
Acq: 11 May 2019 15:07

Tgt Ion: 98 Resp: 366265

Ion Ratio Lower Upper

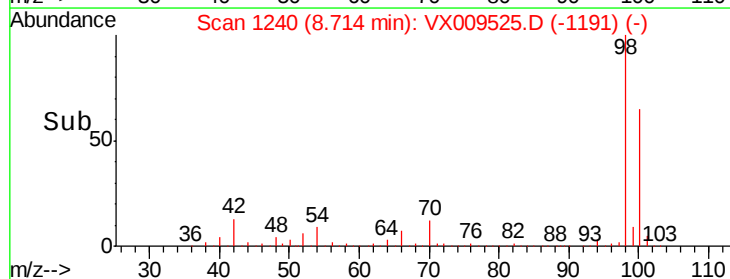
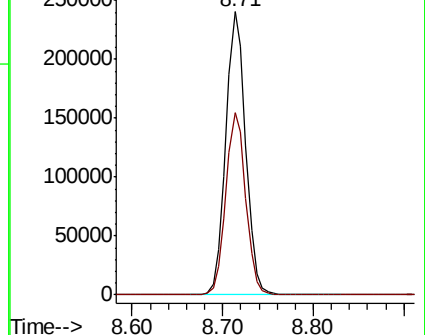
98 100

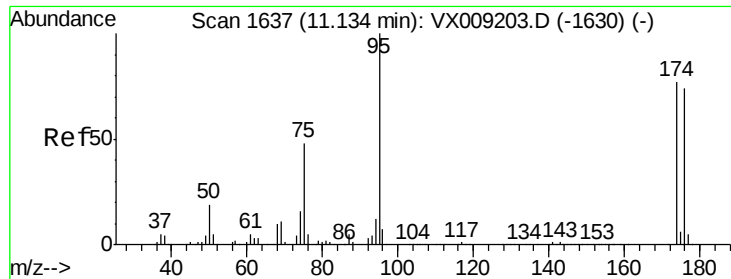
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.425 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009525.D

Acq: 11 May 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

MW-5

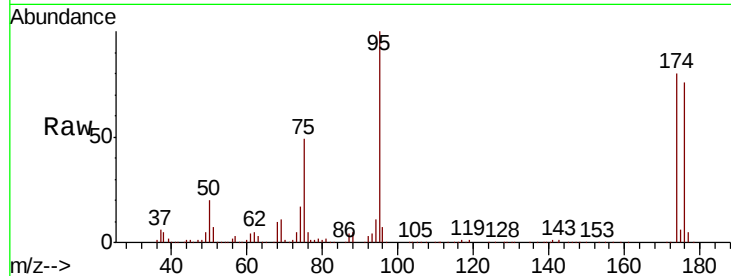
Tot Ion: 95 Resp: 118401

Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.6

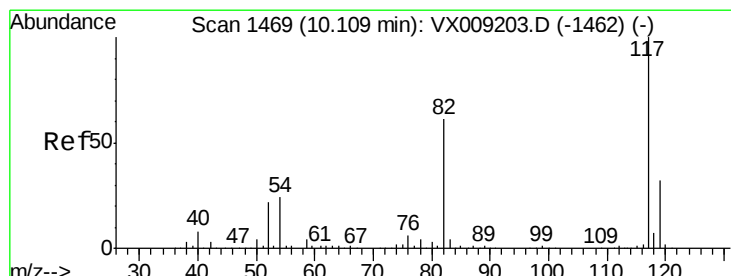
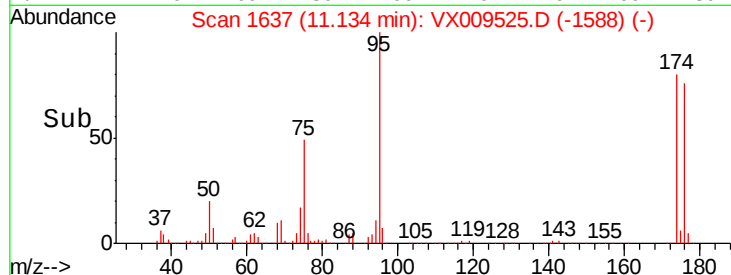
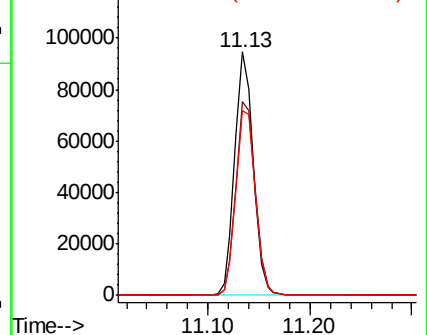
176 80.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009525.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009525.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009525.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009525.D

Acq: 11 May 2019 15:07

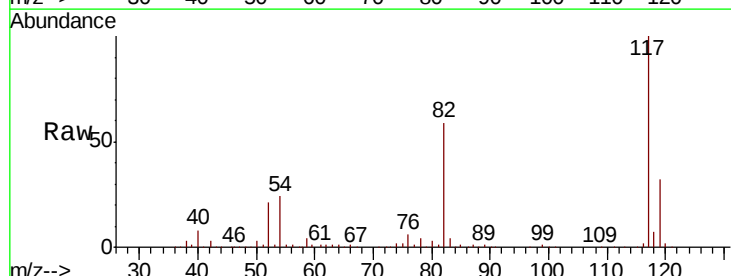
Tgt Ion: 117 Resp: 255258

Ion Ratio Lower Upper

117 100

82 59.4 48.8 73.2

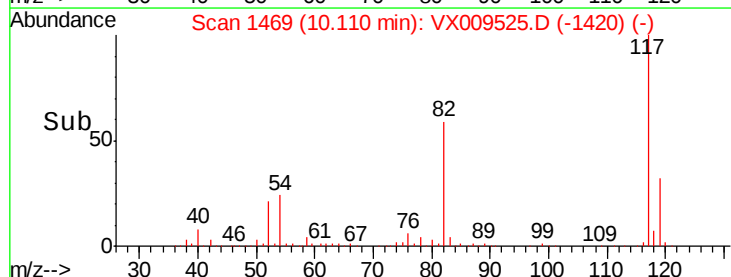
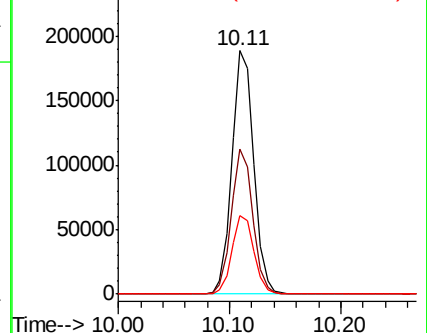
119 32.2 25.8 38.6

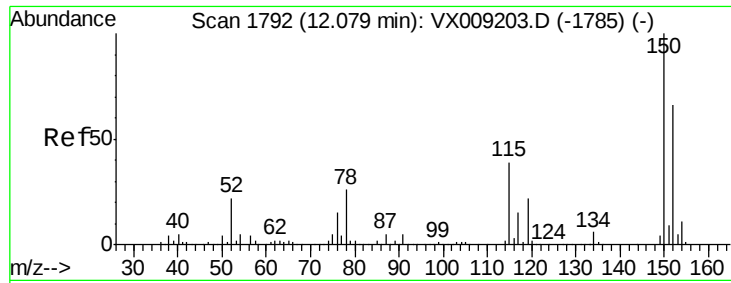


Abundance Ion 116.90 (116.60 to 117.60): VX009525.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009525.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009525.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: VX009525.D

Acq: 11 May 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

MW-5

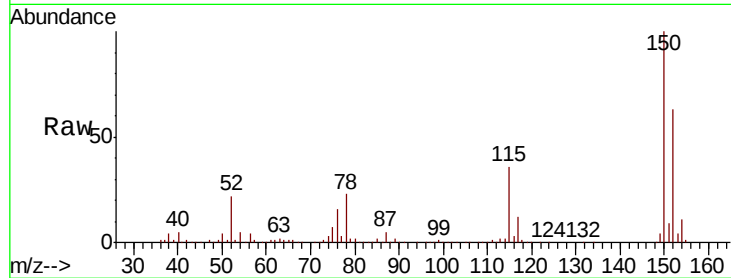
Tot Ion:152 Resp: 103446

Ion Ratio Lower Upper

152 100

115 59.1 41.2 123.6

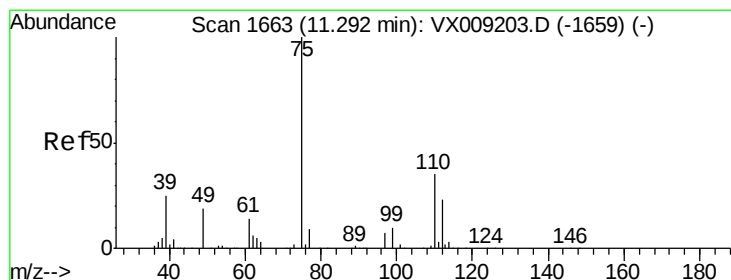
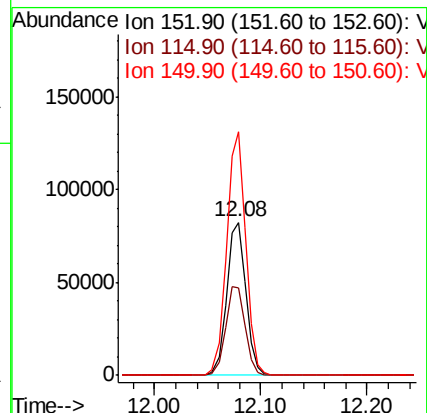
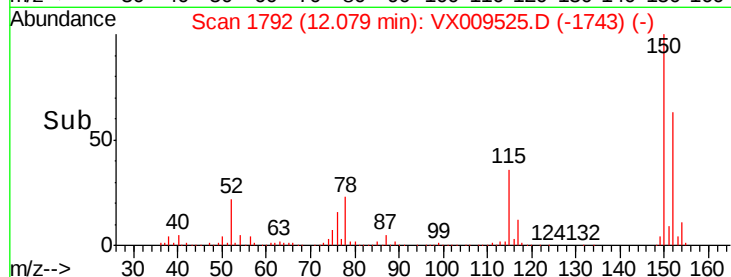
150 157.6 0.0 346.4



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: 24.714 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009525.D

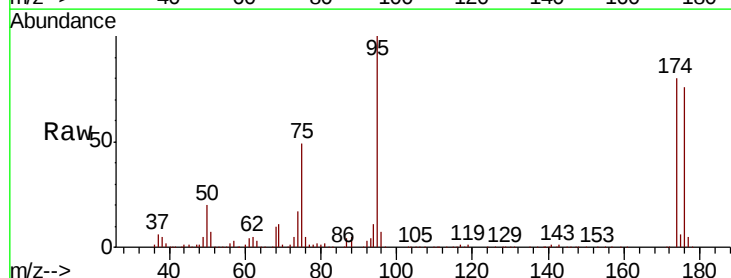
Acq: 11 May 2019 15:07

Tgt Ion: 75 Resp: 59304

Ion Ratio Lower Upper

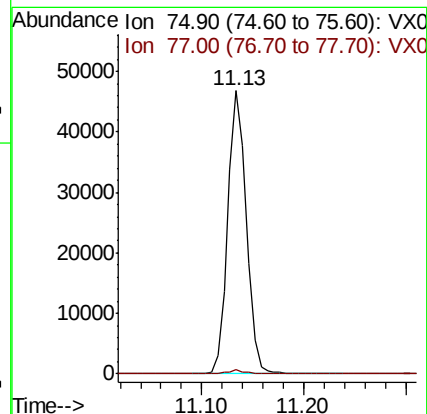
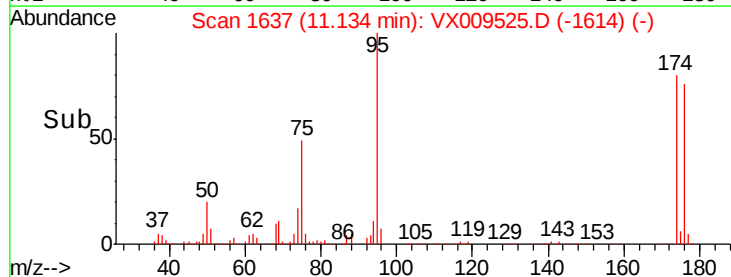
75 100

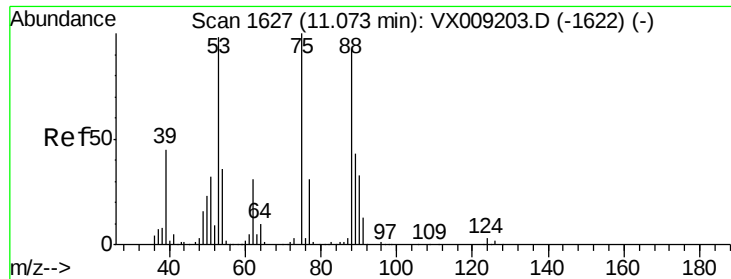
77 1.5 22.1 66.1#



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: 63.235 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009525.D

Acq: 11 May 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tot Ion: 75 Resp: 59304

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

