

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009560.D
 Acq On : 14 May 2019 14:30
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 15 01:53:49 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	196001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115267	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	125872	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	5.49	113	94421	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	8.71	98	386597	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	125660	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

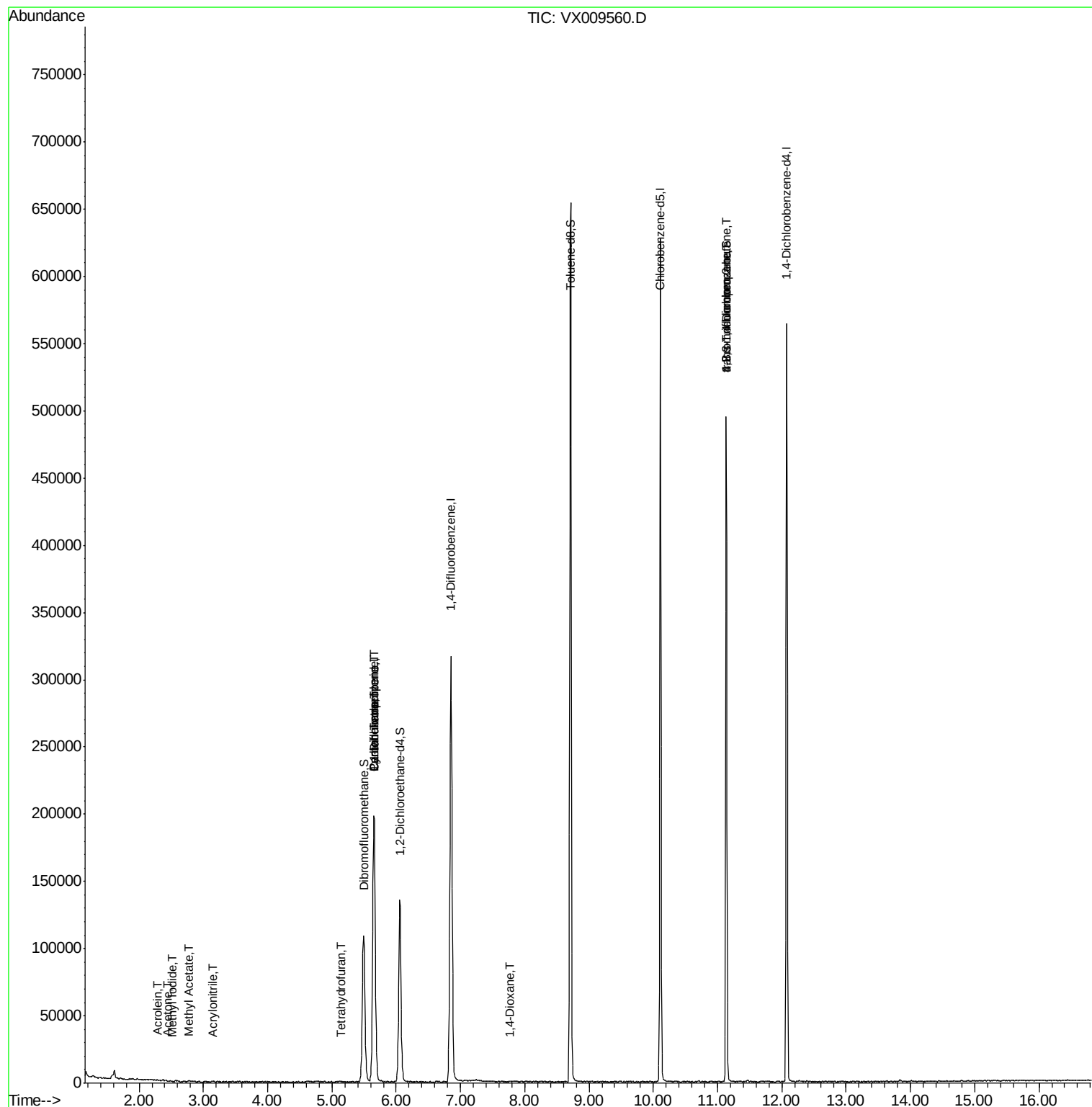
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	188	4.674	ug/l #	55
13) Acrolein	2.29	56	264	0.471	ug/l #	82
15) Acrylonitrile	3.14	53	386	0.255	ug/l #	80
16) Acetone	2.45	43	427	0.297	ug/l #	69
18) Methyl Acetate	2.78	43	1282	0.375	ug/l	95
28) Bromochloromethane	4.94	49	25	Below Cal	#	20
29) Tetrahydrofuran	5.13	42	331	0.230	ug/l #	56
31) Cyclohexane	5.65	56	4164	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14602	5.077	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18116	6.933	ug/l #	16
49) 1,4-Dioxane	7.76	88	43	0.667	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64569	24.149	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64569	61.789	ug/l #	10

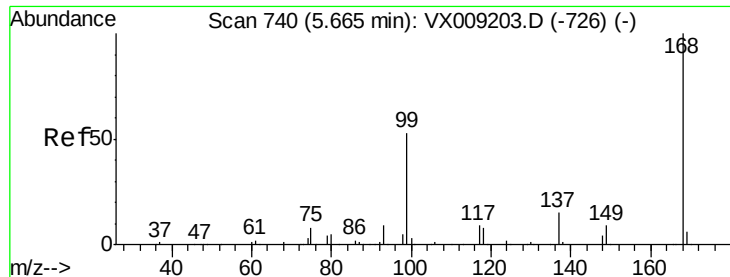
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009560.D

Acq: 14 May 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

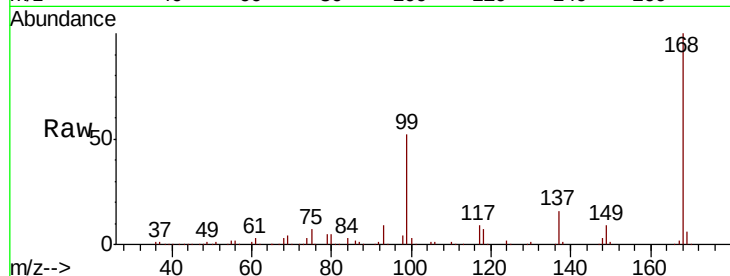
IBLK

Tot Ion:168 Resp: 196001

Ion Ratio Lower Upper

168 100

99 52.4 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

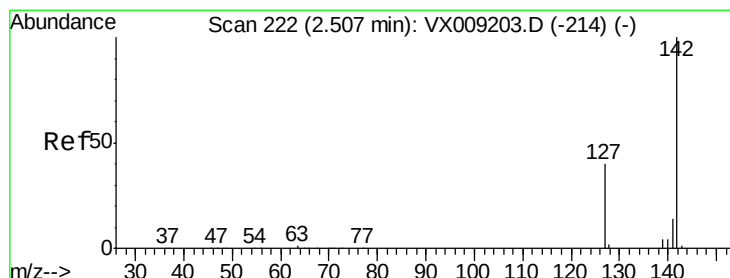
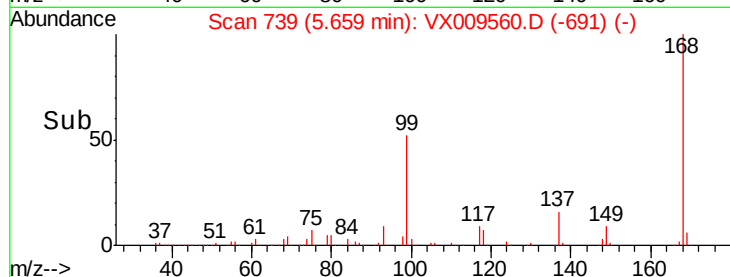
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.674 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

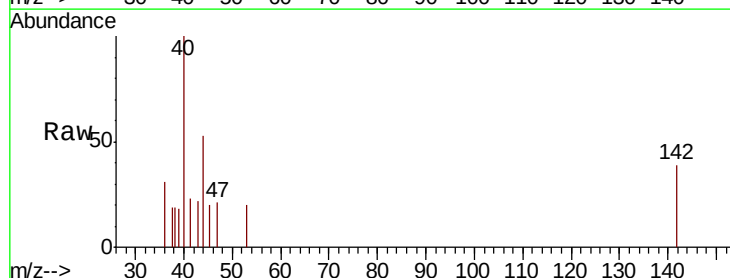
Tgt Ion:142 Resp: 188

Ion Ratio Lower Upper

142 100

127 10.6 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

2.52

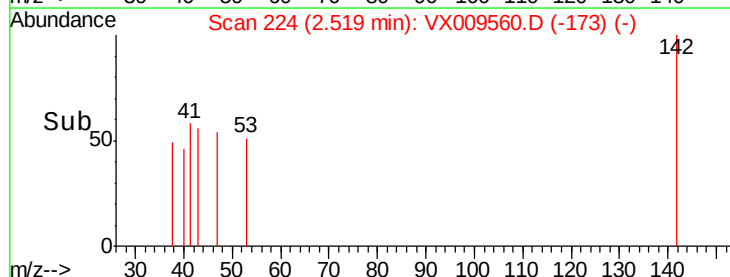
150

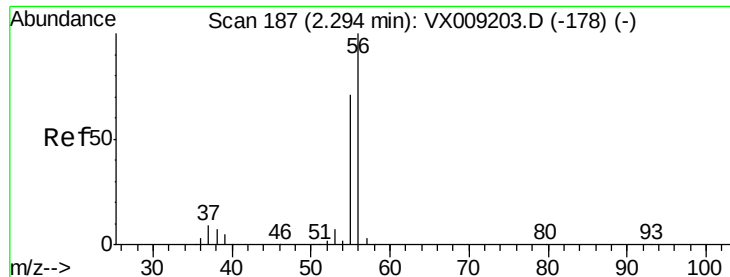
100

50

0

Time--> 2.50 2.55





#13

Acrolein

Concen: 0.471 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

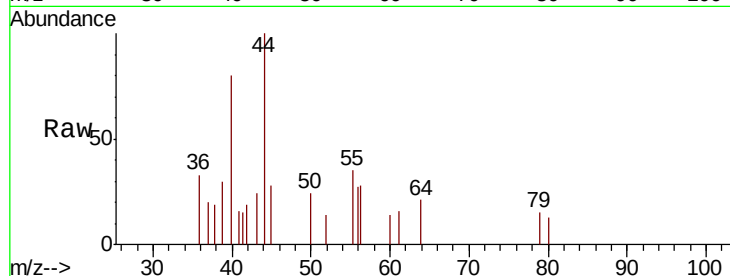
IBLK

Tot Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 56.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

200

150

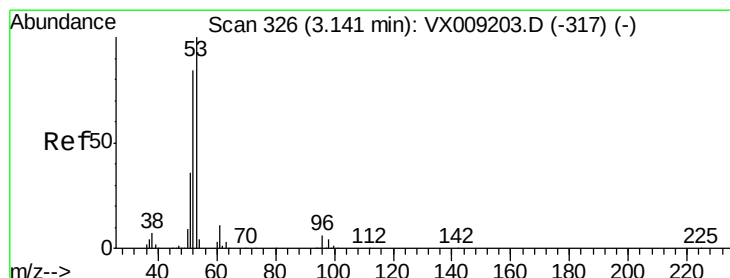
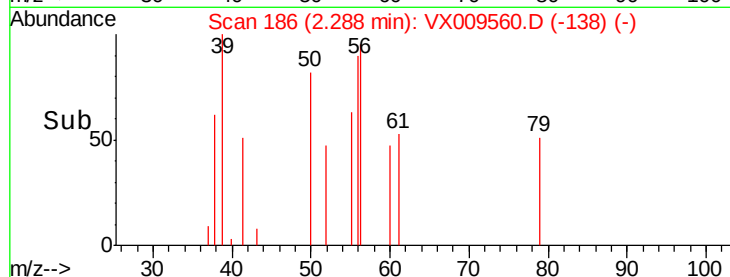
100

50

0

2.25 2.30

Time-->



#15

Acrylonitrile

Concen: 0.255 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

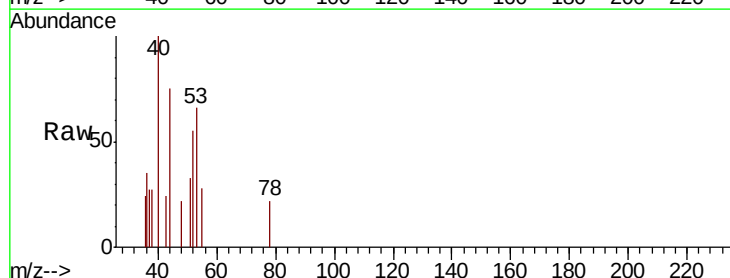
Tgt Ion: 53 Resp: 386

Ion Ratio Lower Upper

53 100

52 64.5 66.9 100.3#

51 44.6 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

200

150

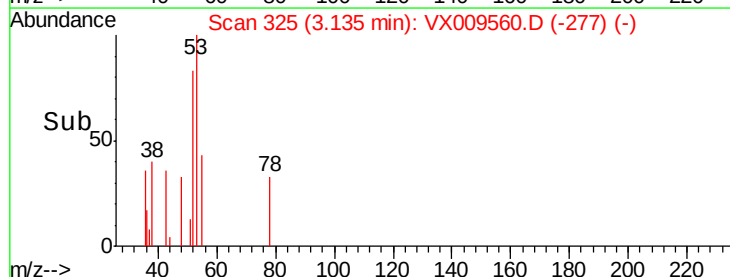
100

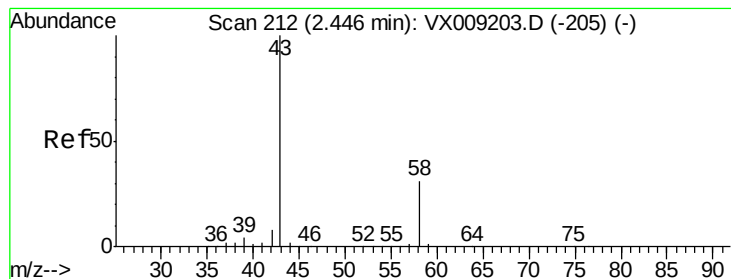
50

0

3.10 3.15 3.20

Time-->





#16

Acetone

Concen: 0.297 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

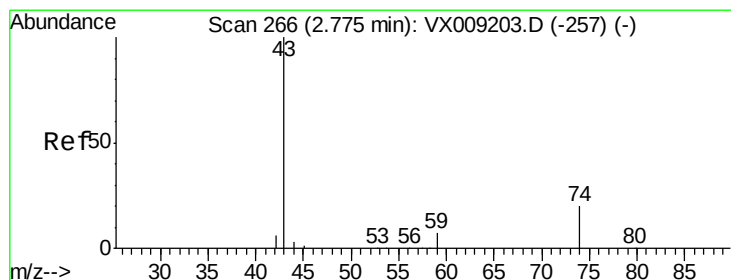
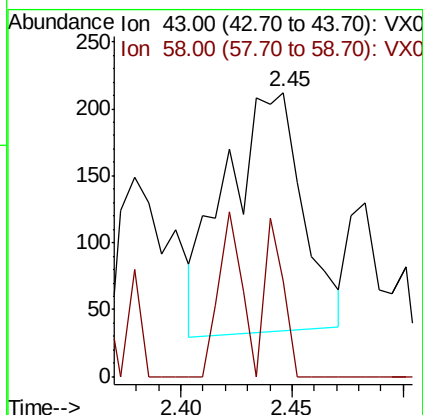
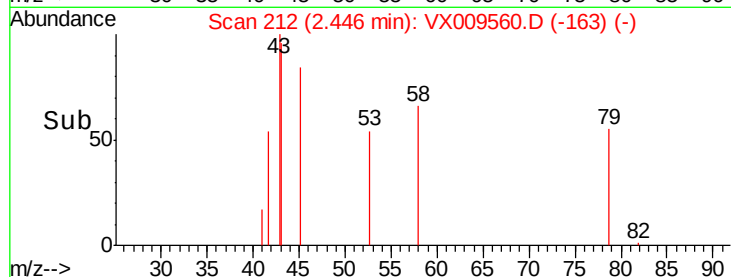
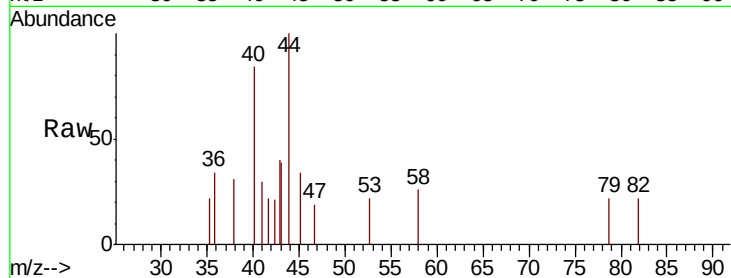
IBLK

Tot Ion: 43 Resp: 427

Ion Ratio Lower Upper

43 100

58 48.3 24.9 37.3#



#18

Methyl Acetate

Concen: 0.375 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009560.D

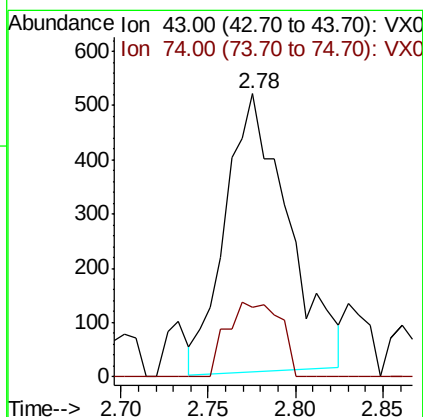
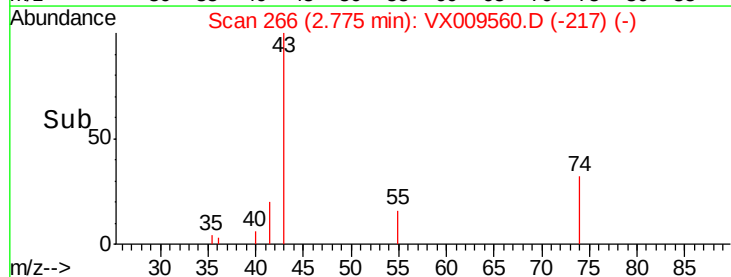
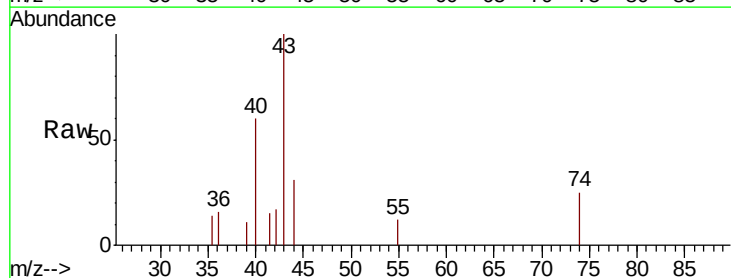
Acq: 14 May 2019 14:30

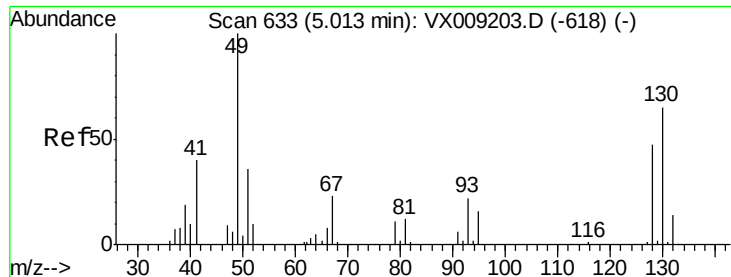
Tgt Ion: 43 Resp: 1282

Ion Ratio Lower Upper

43 100

74 22.6 16.2 24.4





#28

Bromochloromethane

Concen: Below Cal

RT: 4.94 min Scan# 621

Delta R.T. -0.07 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

IBLK

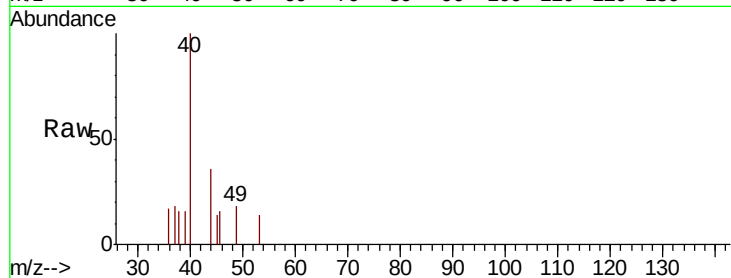
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

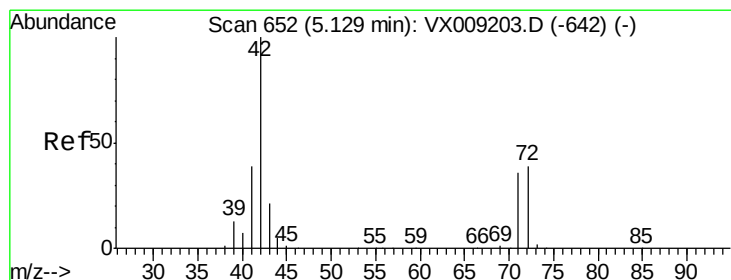
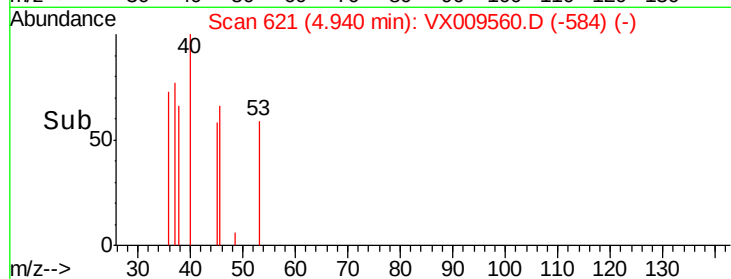
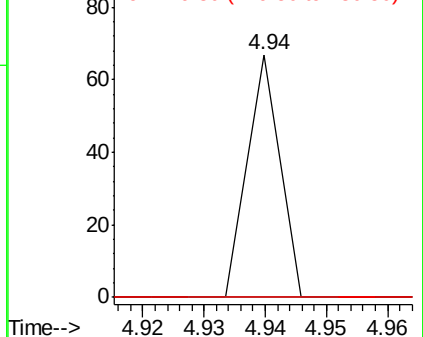
130 0.0 51.2 76.8#



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



#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

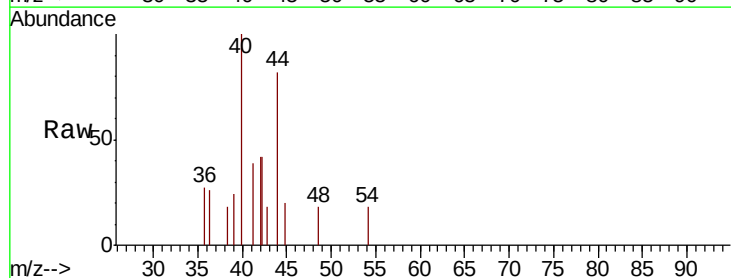
Tgt Ion: 42 Resp: 331

Ion Ratio Lower Upper

42 100

72 20.8 30.4 45.6#

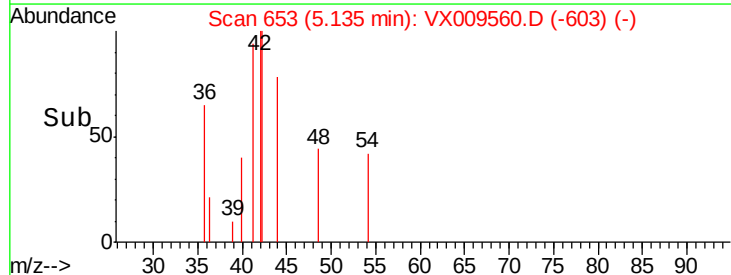
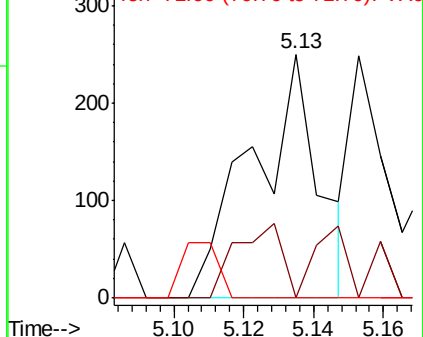
71 0.0 28.6 43.0#

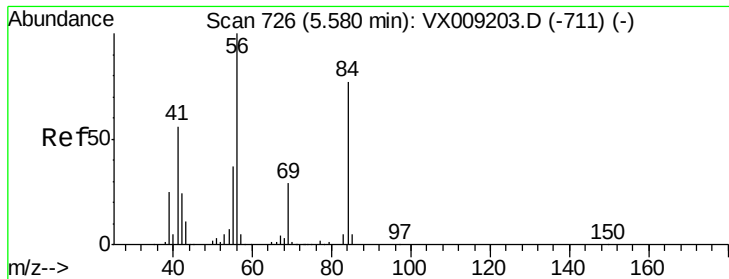


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

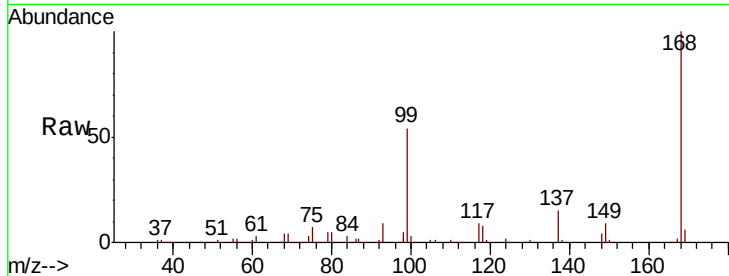




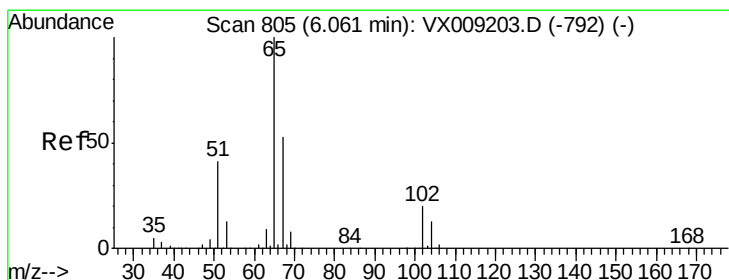
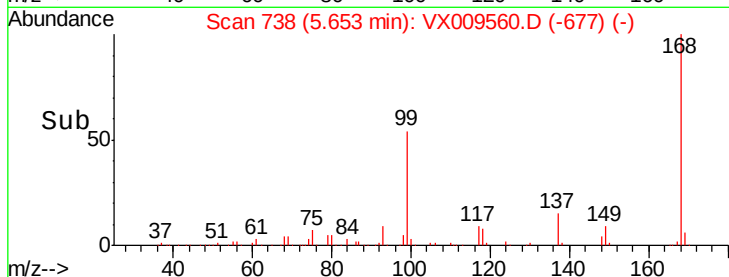
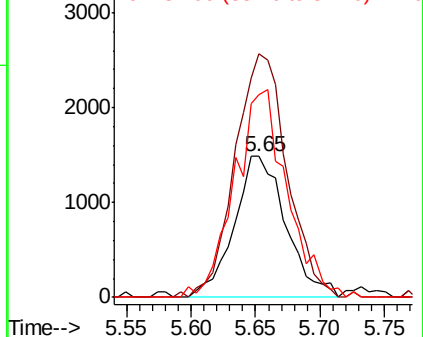
#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009560.D
Acq: 14 May 2019 14:30

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion: 56 Resp: 4164
Ion Ratio Lower Upper
56 100
69 172.9 23.4 35.0#
84 137.2 61.9 92.9#

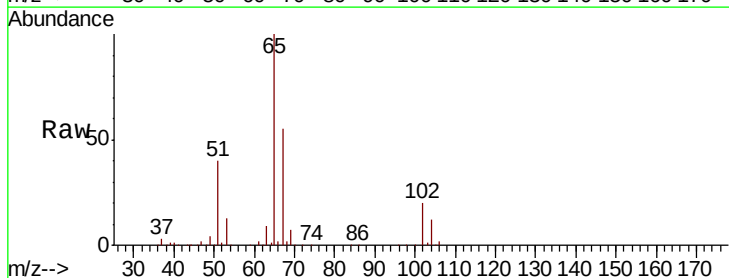


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

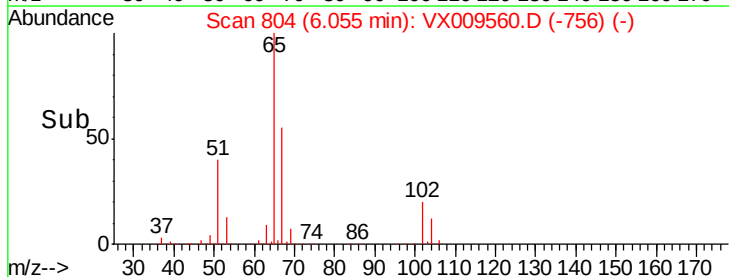
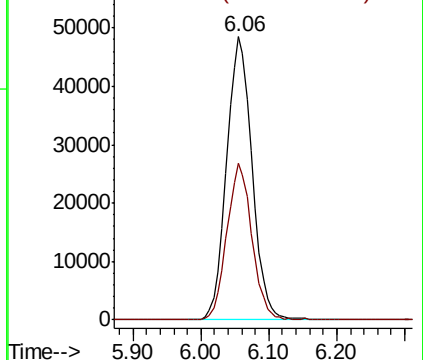


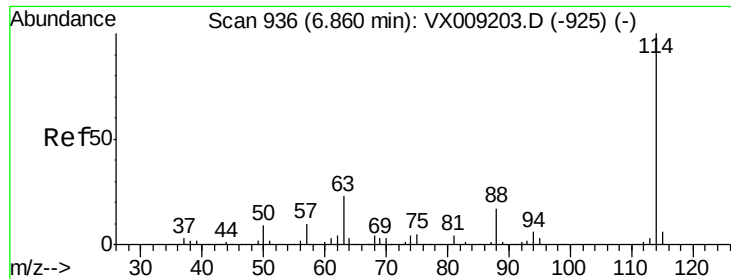
#33
1,2-Dichloroethane-d4
Concen: 47.044 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX009560.D
Acq: 14 May 2019 14:30

Tgt Ion: 65 Resp: 125872
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

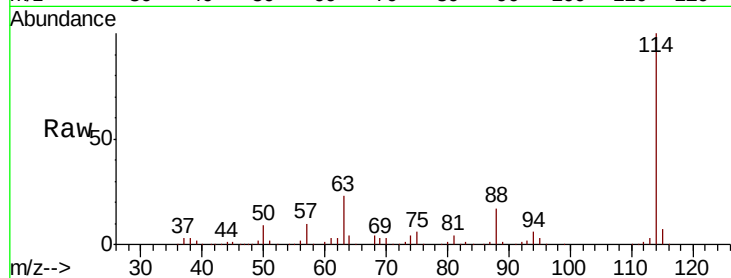




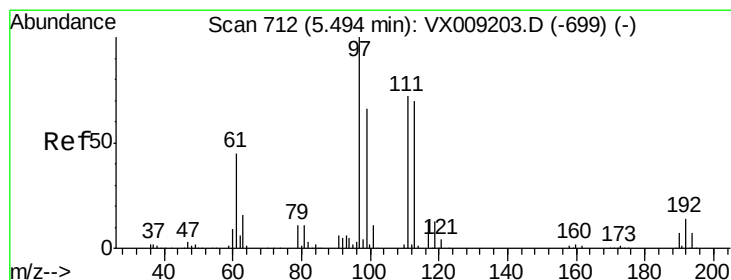
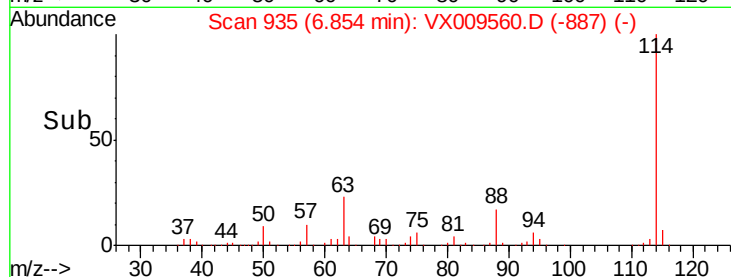
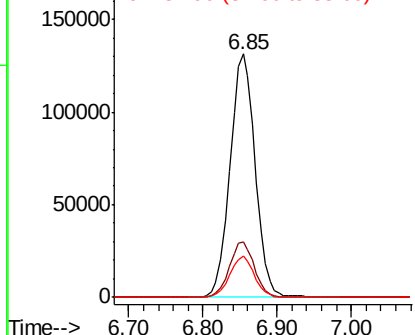
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009560.D
 Acq: 14 May 2019 14:30

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	16.9	0.0	33.2

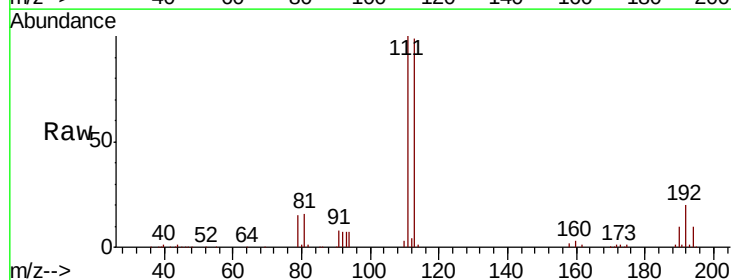


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

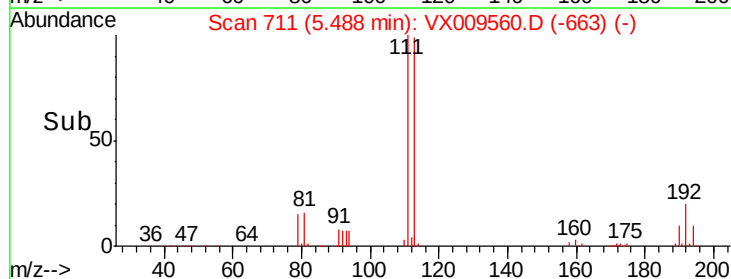
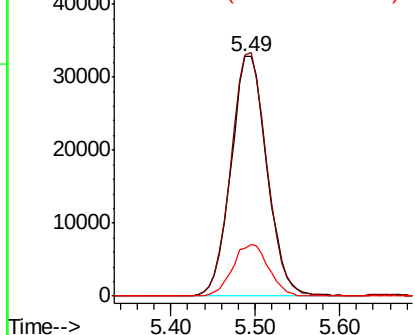


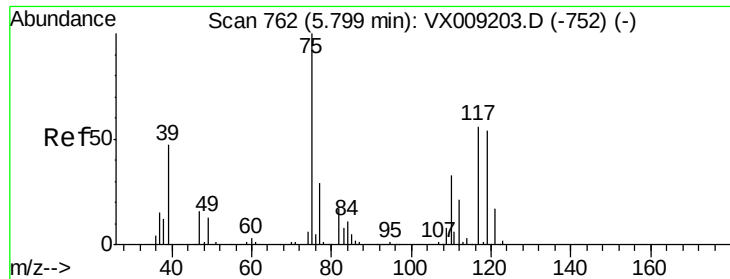
#35
 Dibromofluoromethane
 Concen: 48.536 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX009560.D
 Acq: 14 May 2019 14:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.8	124.2
192	21.8	17.0	25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

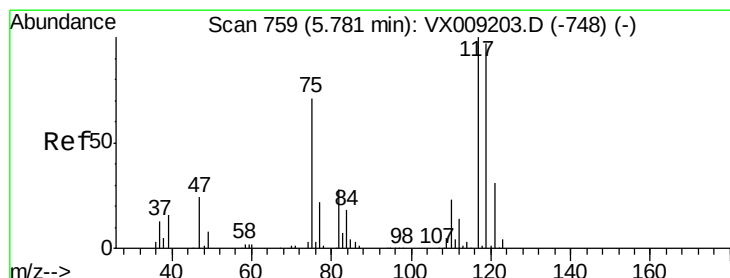
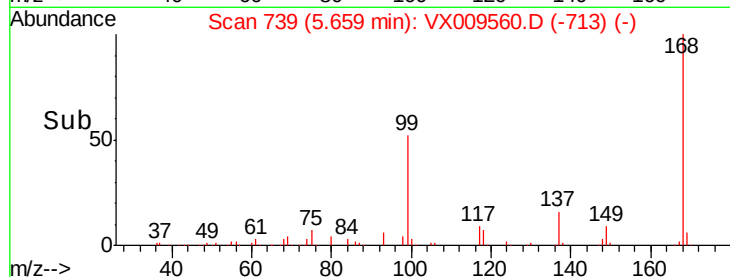
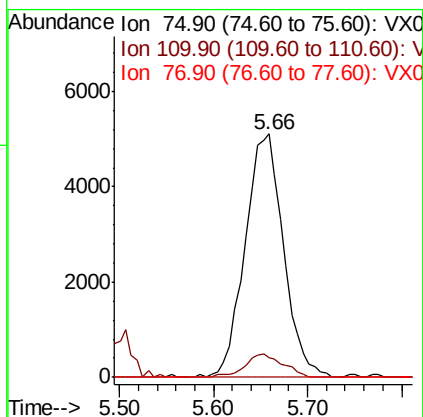
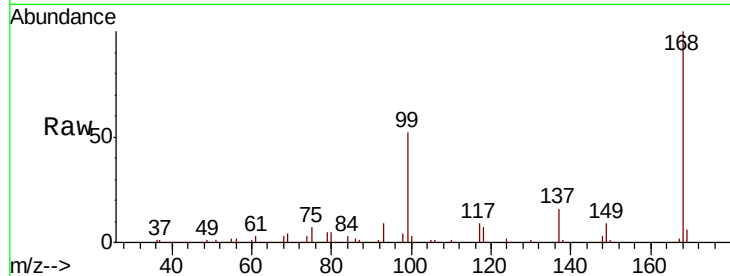




#36
 1,1-Dichloropropene
 Concen: 5.077 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009560.D
 Acq: 14 May 2019 14:30

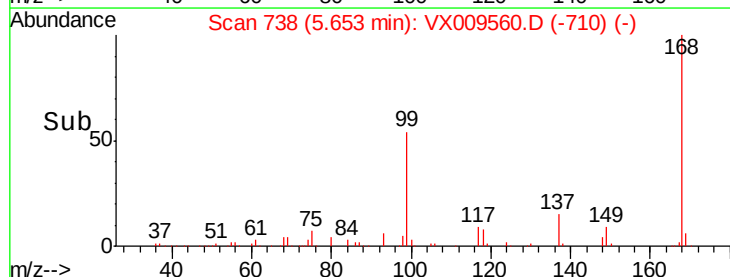
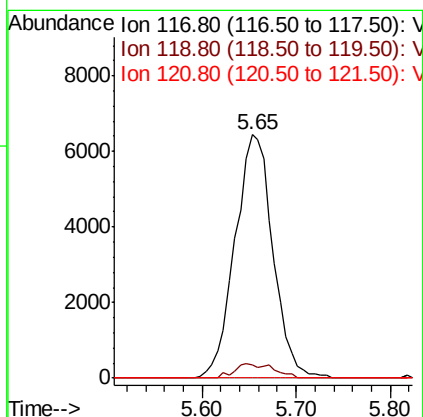
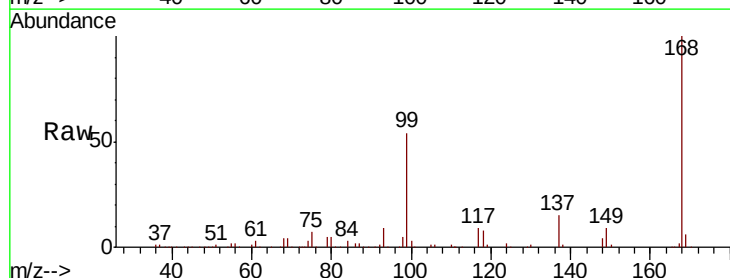
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

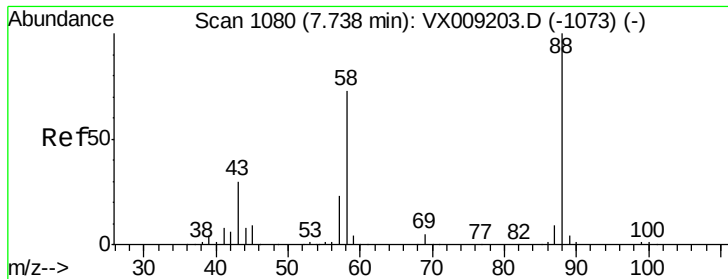
Tot Ion: 75 Resp: 14602
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.933 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX009560.D
 Acq: 14 May 2019 14:30

Tgt Ion:117 Resp: 18116
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.5 116.3#
 121 0.0 24.7 37.1#

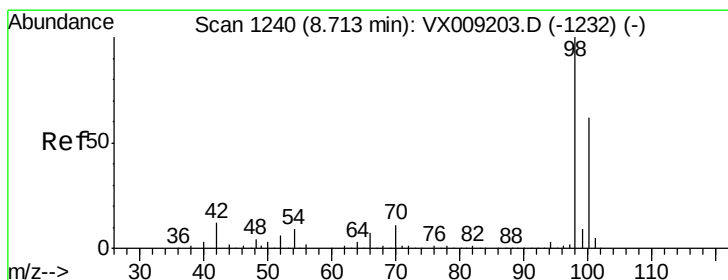
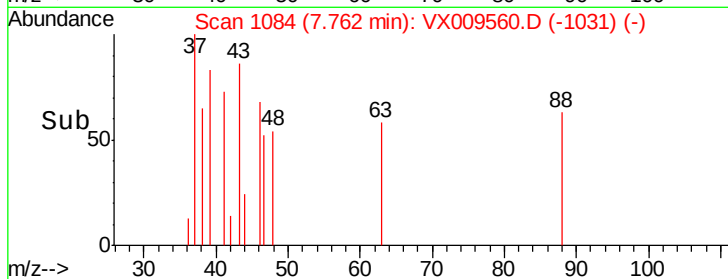
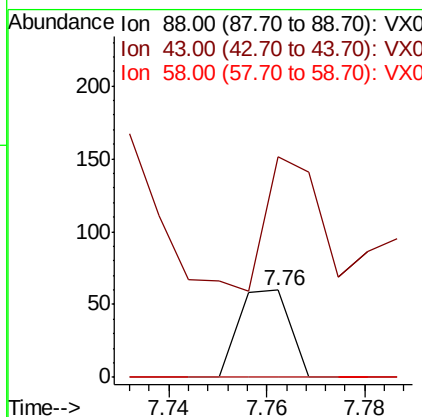
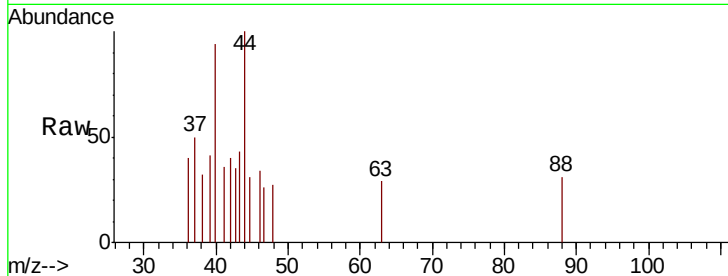




#49
 1,4-Dioxane
 Concen: 0.667 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VX009560.D
 Acq: 14 May 2019 14:30

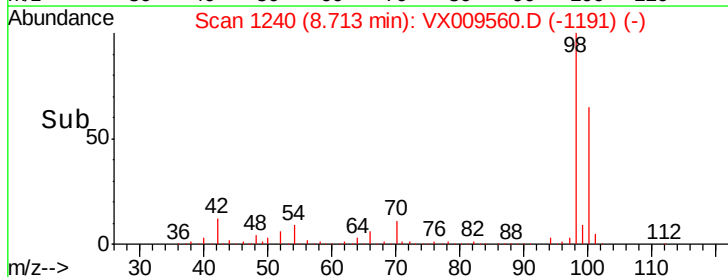
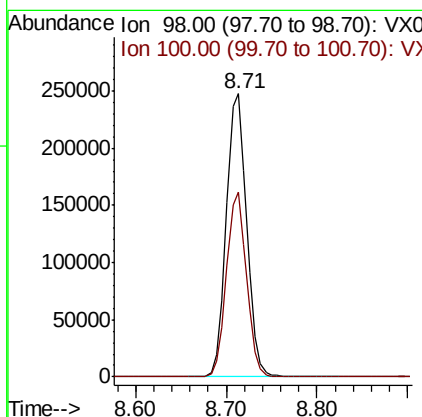
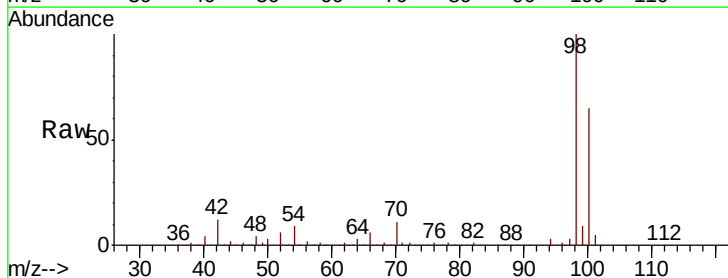
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

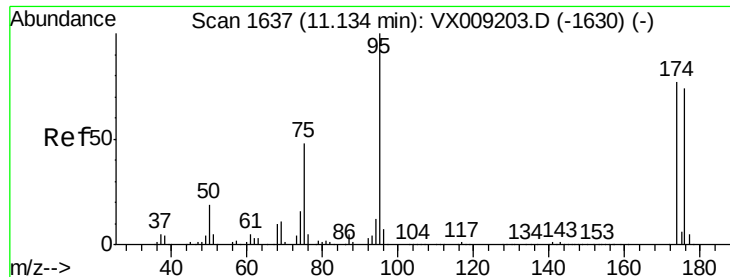
Tot Ion: 88 Resp: 43
 Ion Ratio Lower Upper
 88 100
 43 460.5 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.223 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009560.D
 Acq: 14 May 2019 14:30

Tgt Ion: 98 Resp: 386597
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 44.032 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

Instrument :

MSVOA_X

ClientSampled :

IBLK

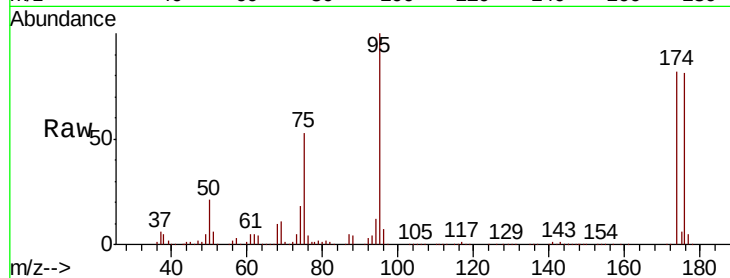
Tot Ion: 95 Resp: 125660

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

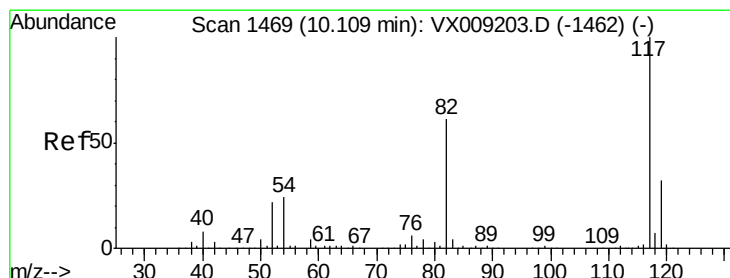
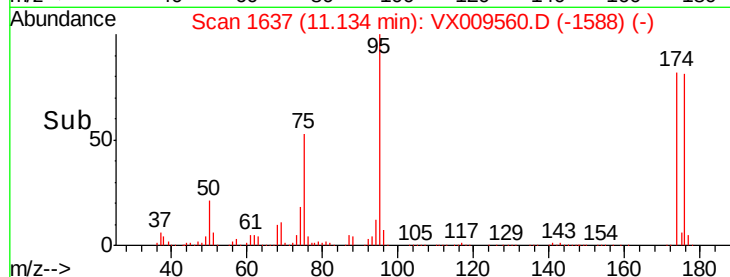
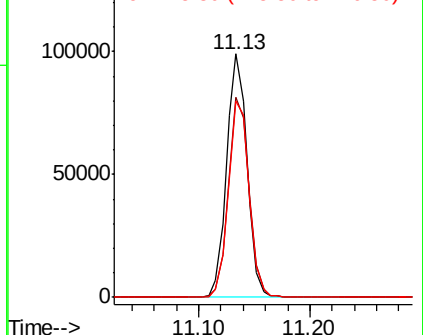
176 81.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

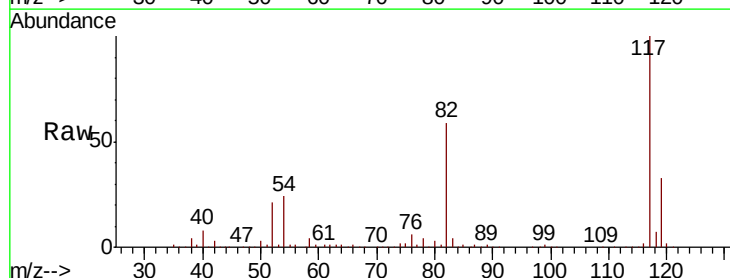
Tgt Ion: 117 Resp: 269885

Ion Ratio Lower Upper

117 100

82 58.9 48.8 73.2

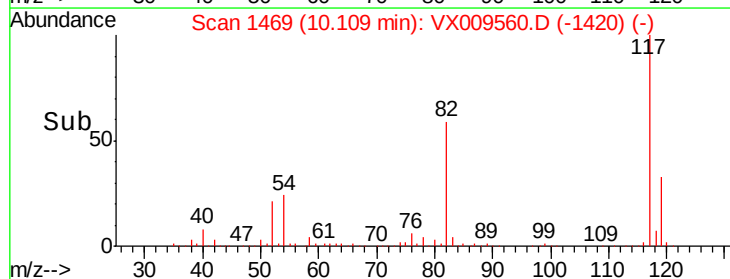
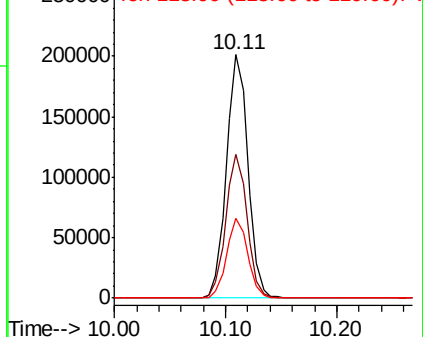
119 32.9 25.8 38.6

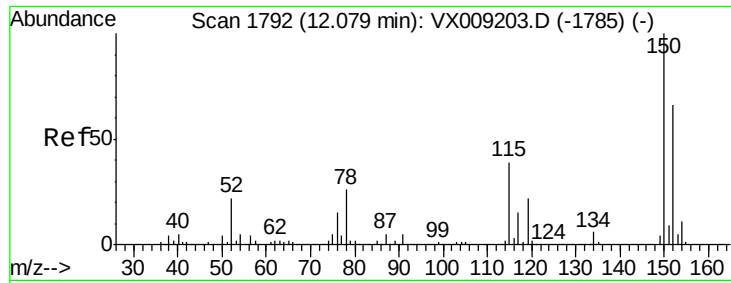


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX009560.D

Acq: 14 May 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

IBLK

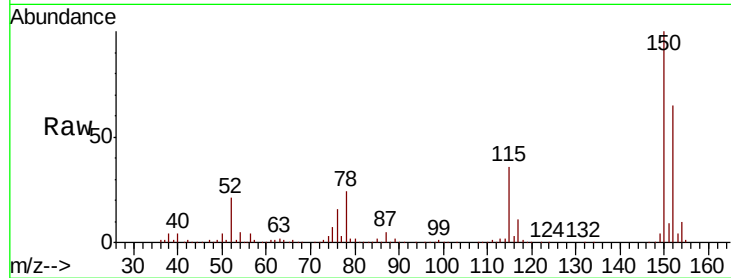
Tot Ion:152 Resp: 115267

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

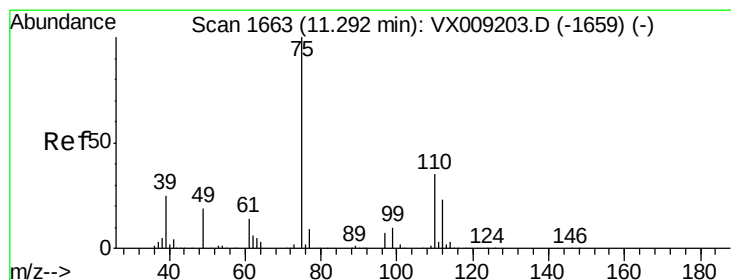
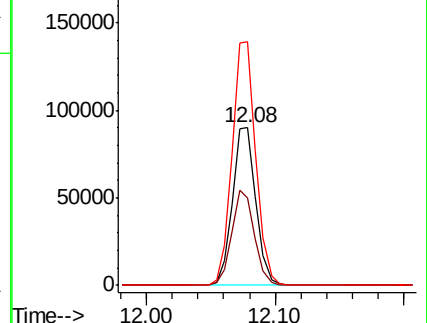
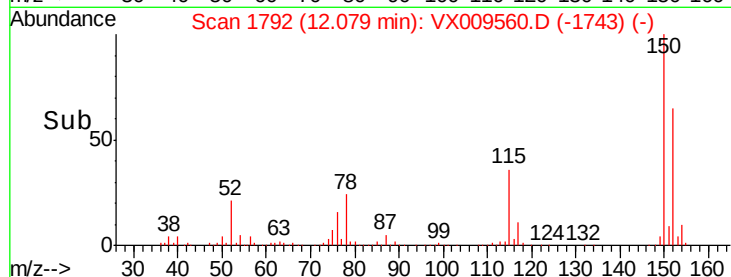
150 156.3 0.0 346.4



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: 24.149 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009560.D

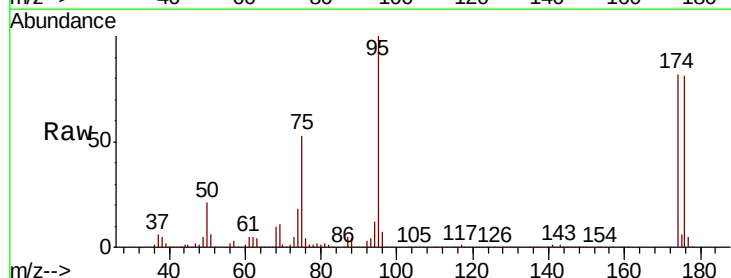
Acq: 14 May 2019 14:30

Tgt Ion: 75 Resp: 64569

Ion Ratio Lower Upper

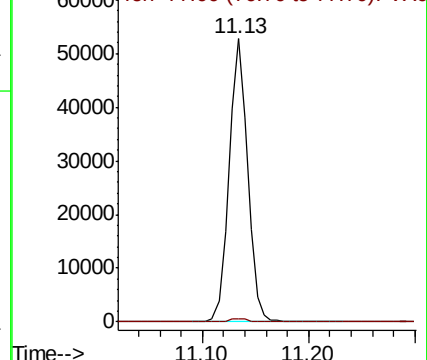
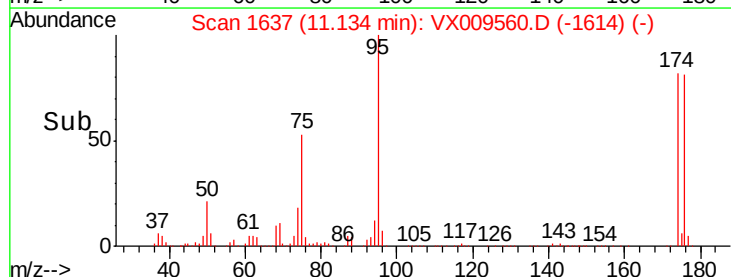
75 100

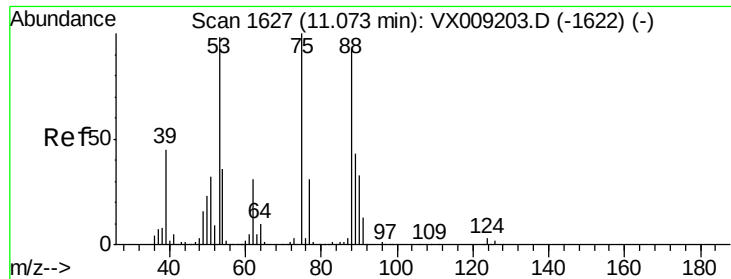
77 1.4 22.1 66.1#



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: 61.789 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009560.D

Acq: 14 May 2019 14:30

Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tot Ion: 75 Resp: 64569

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

