

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009744.D
 Acq On : 21 May 2019 13:50
 Operator : JC/SP
 Sample : K2953-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: May 22 07:03:48 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	169325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	270450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	90947	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	113402	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.50	113	83354	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	338696	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	105498	42.30	ug/l	0.00
Spiked Amount			Recovery	=	84.60%	

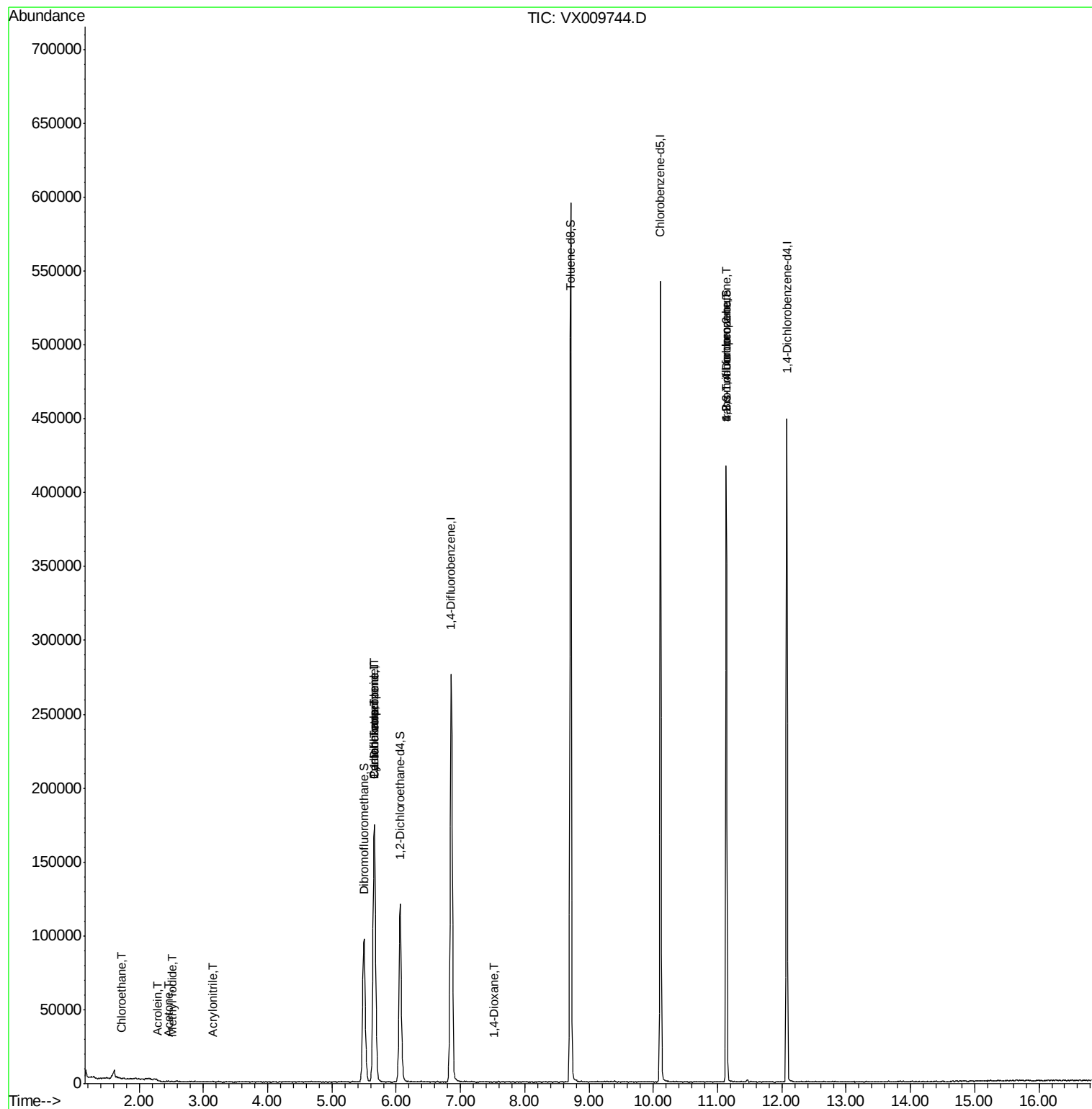
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	297	0.223	ug/l	90
10) Methyl Iodide	2.51	142	20	4.604	ug/l #	42
13) Acrolein	2.29	56	252	0.520	ug/l	94
15) Acrylonitrile	3.15	53	288	0.220	ug/l #	87
16) Acetone	2.45	43	397	0.320	ug/l #	19
28) Bromochloromethane	5.03	49	25	Below Cal	#	20
31) Cyclohexane	5.66	56	3968	1.161	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13577	5.402	ug/l #	50
38) Carbon Tetrachloride	5.65	117	15605	6.834	ug/l #	16
49) 1,4-Dioxane	7.52	88	20	0.355	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	54373	25.774	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	54373	65.945	ug/l #	10

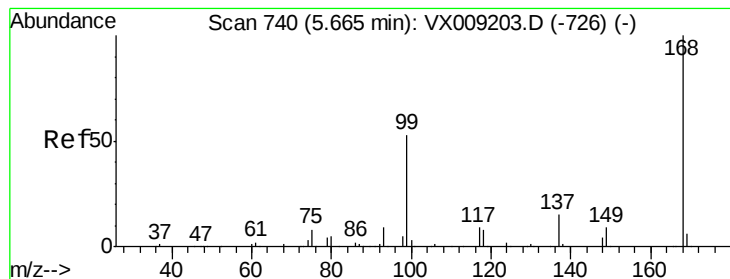
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

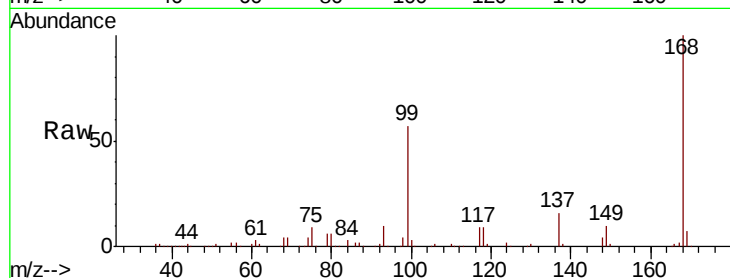
TB

Tot Ion:168 Resp: 169325

Ion Ratio Lower Upper

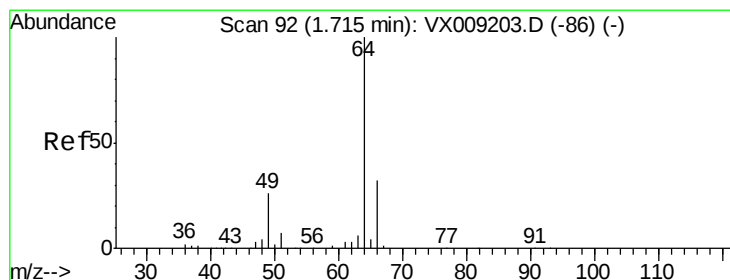
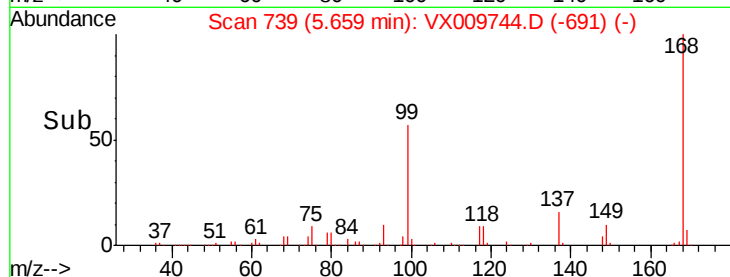
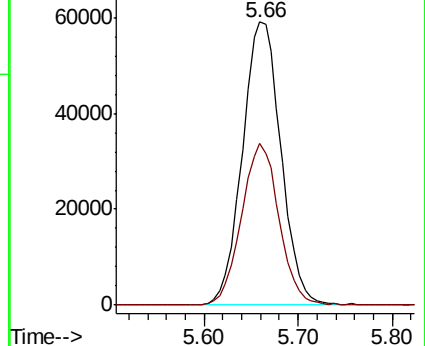
168 100

99 57.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX009744.D

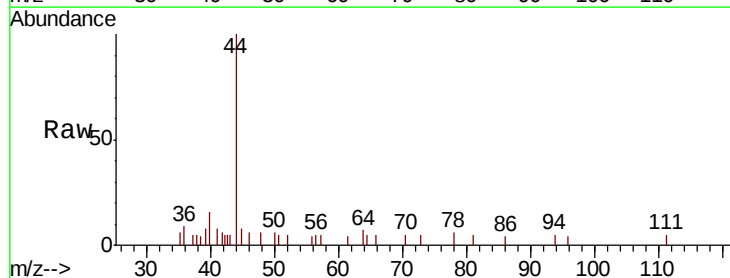
Acq: 21 May 2019 13:50

Tgt Ion: 64 Resp: 297

Ion Ratio Lower Upper

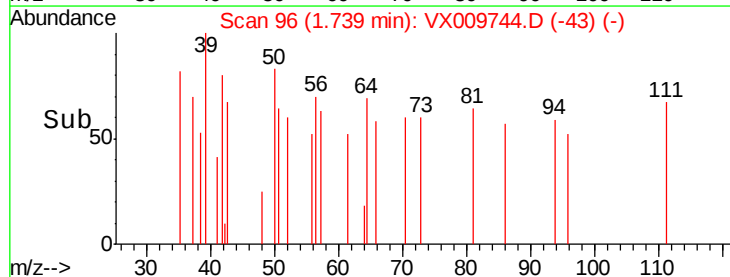
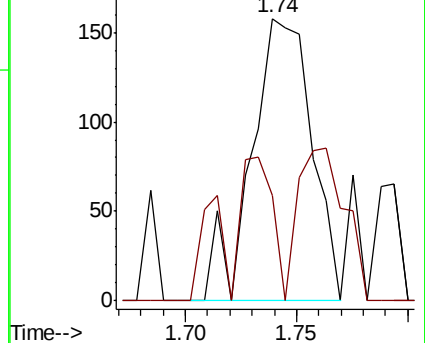
64 100

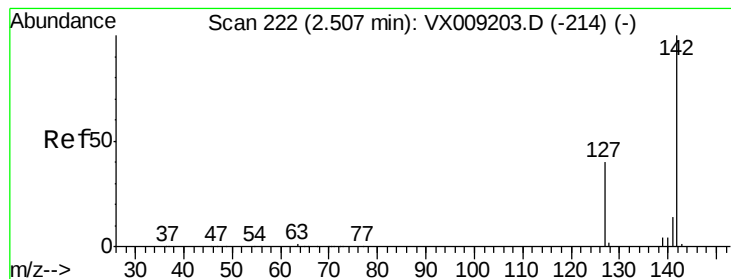
66 37.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

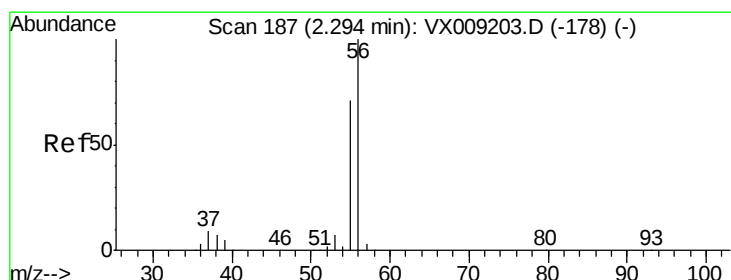
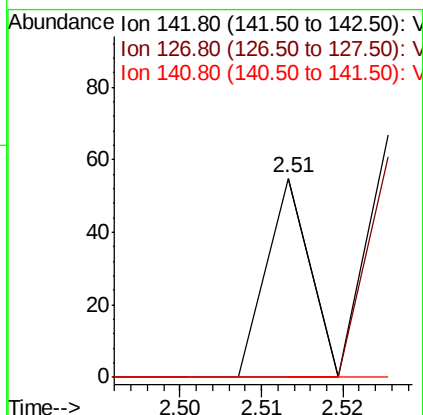
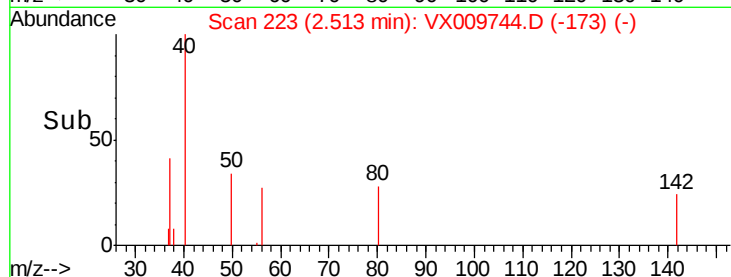
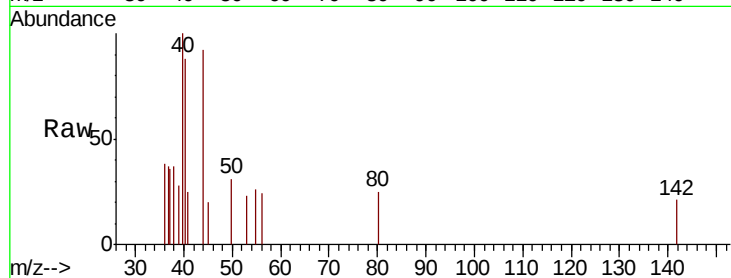




#10
Methvl Iodide
Concen: 4.604 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009744.D
Acq: 21 May 2019 13:50

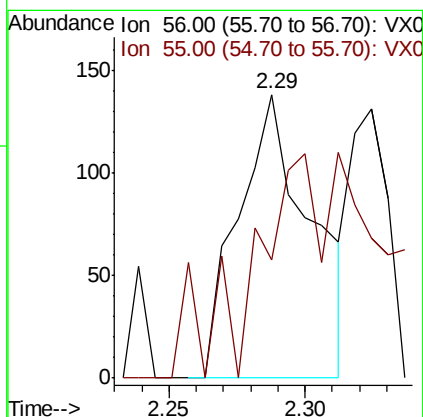
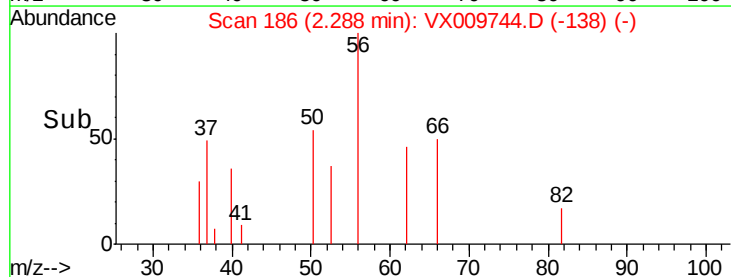
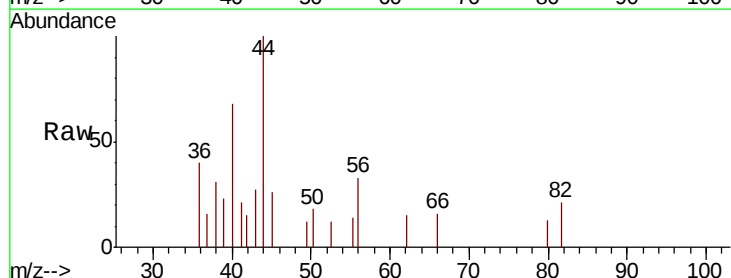
Instrument :
MSVOA_X
ClientSampled :
TB

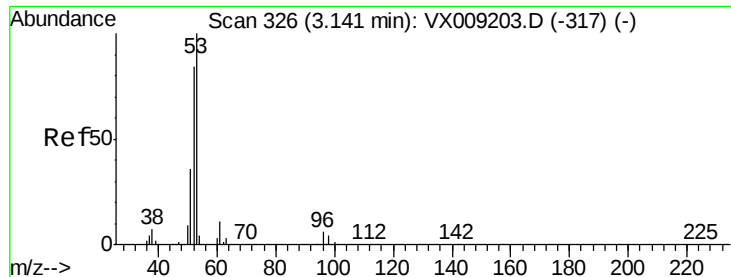
Tot Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.520 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009744.D
Acq: 21 May 2019 13:50

Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 65.9 56.6 85.0





#15

Acrylonitrile

Concen: 0.220 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

TB

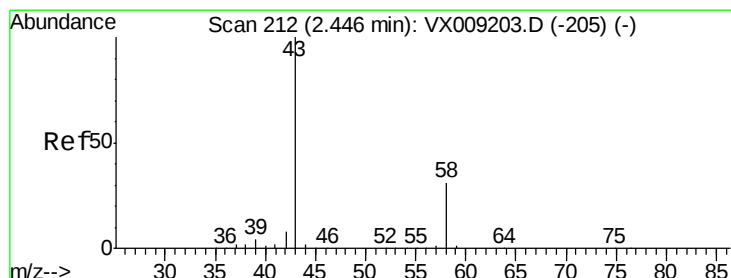
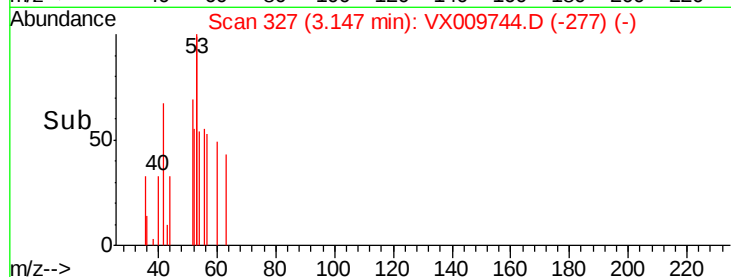
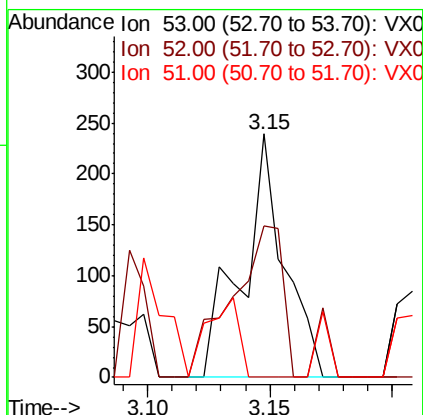
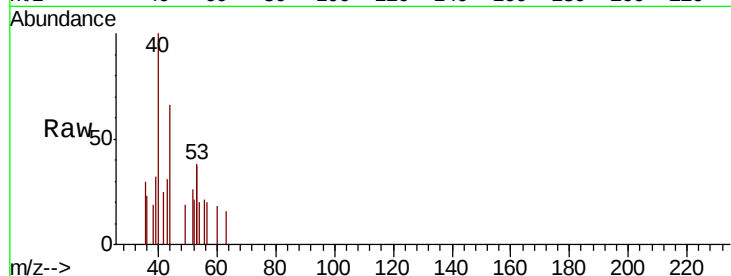
Tot Ion: 53 Resp: 288

Ion Ratio Lower Upper

53 100

52 74.3 66.9 100.3

51 24.3 28.2 42.2#



#16

Acetone

Concen: 0.320 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009744.D

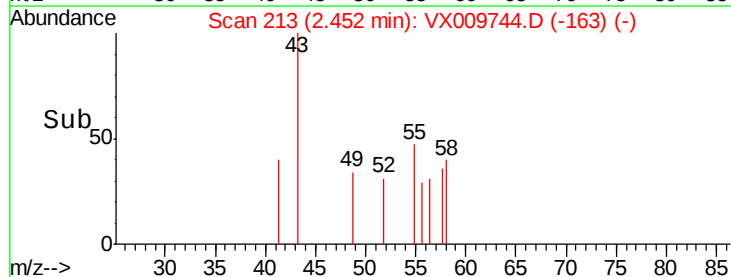
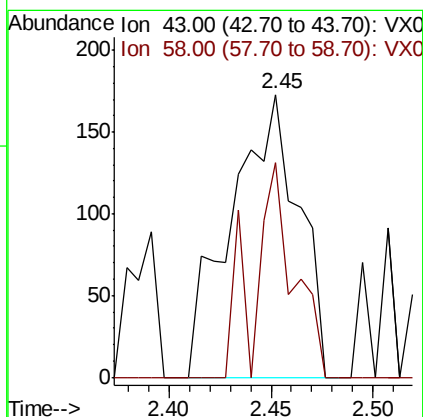
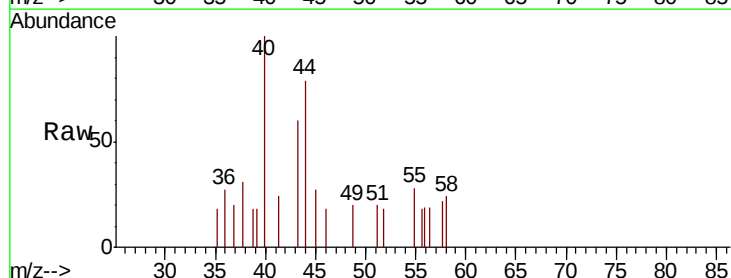
Acq: 21 May 2019 13:50

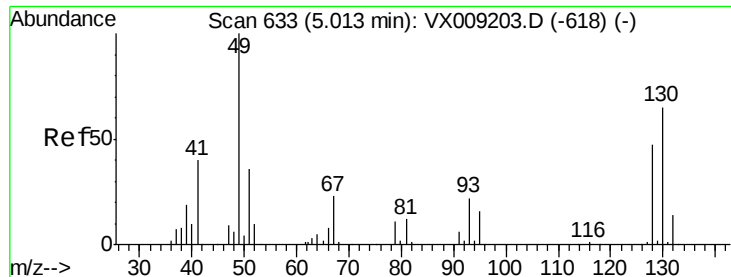
Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

58 75.7 24.9 37.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

TB

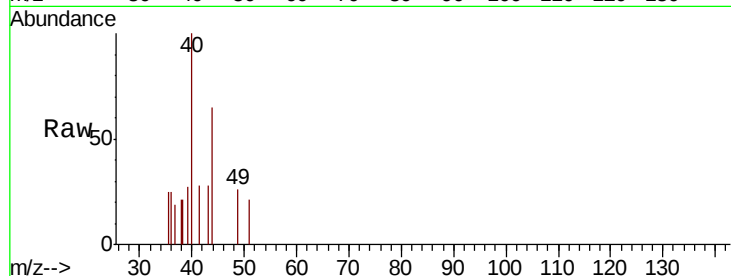
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

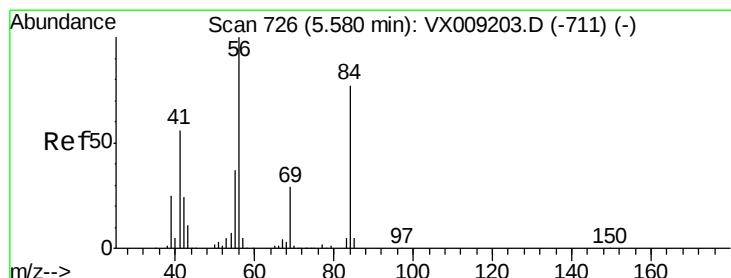
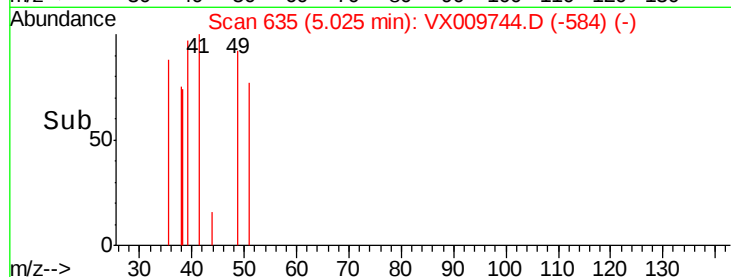
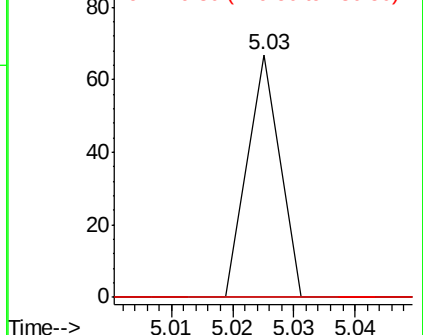
130 0.0 51.2 76.8#



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



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

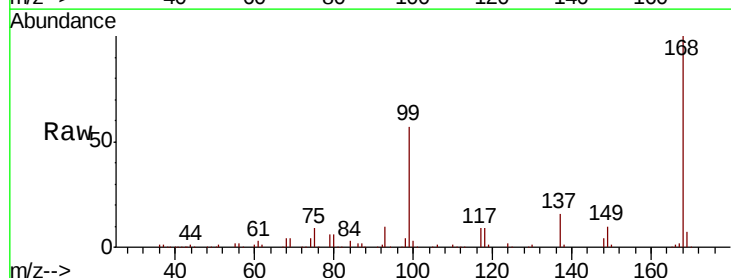
Tgt Ion: 56 Resp: 3968

Ion Ratio Lower Upper

56 100

69 191.2 23.4 35.0#

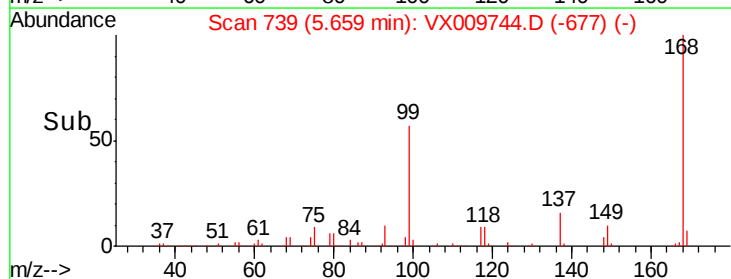
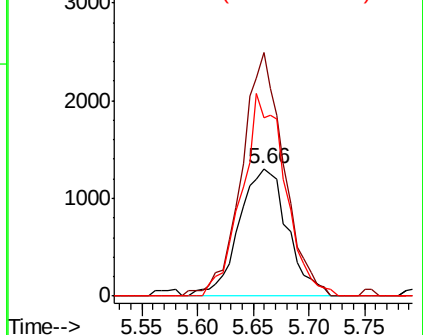
84 139.6 61.9 92.9#

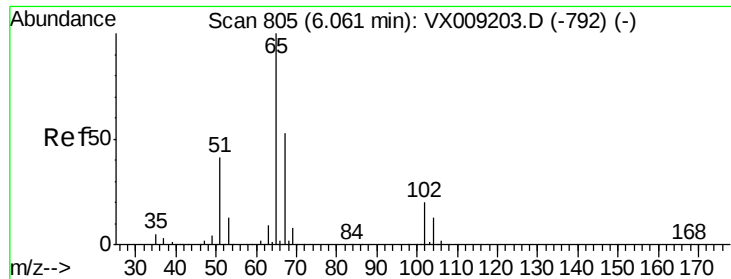


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

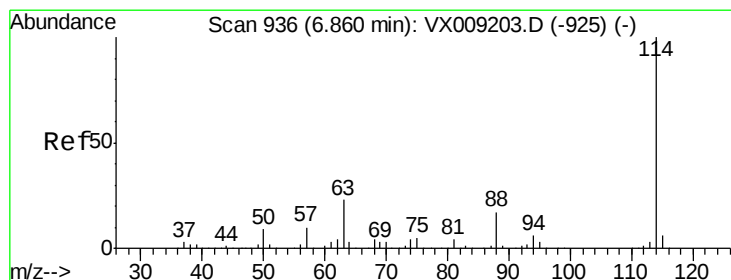
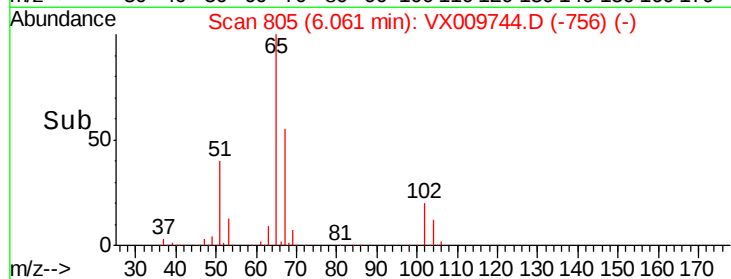
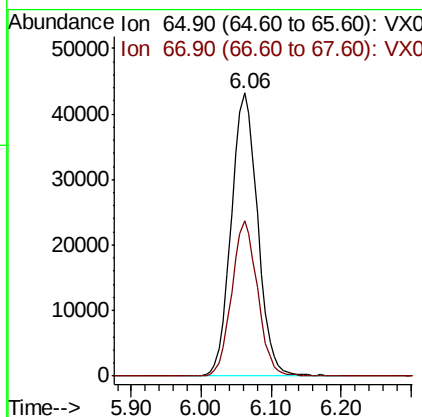
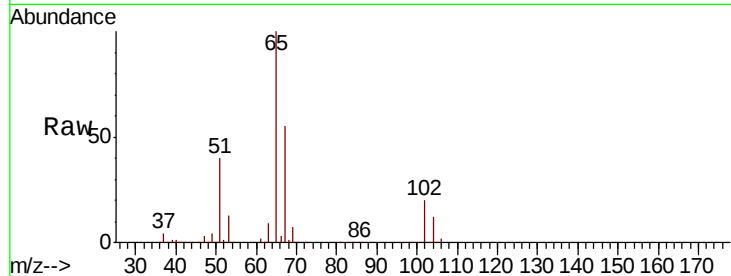




#33
 1,2-Dichloroethane-d4
 Concen: 49.060 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009744.D
 Acq: 21 May 2019 13:50

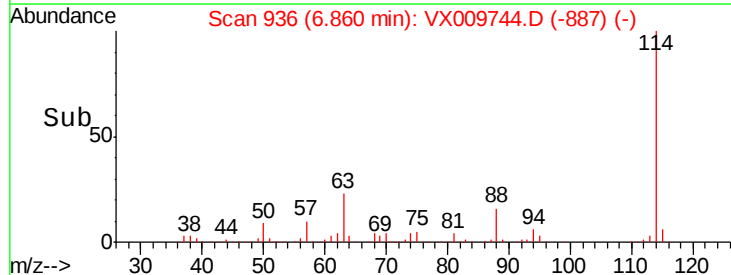
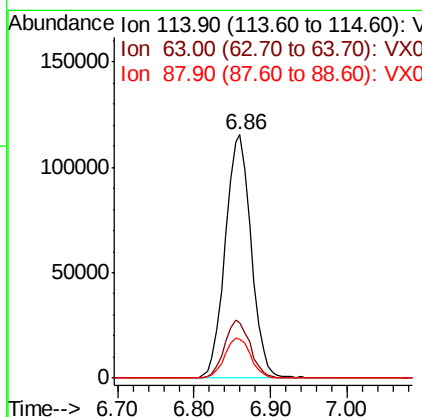
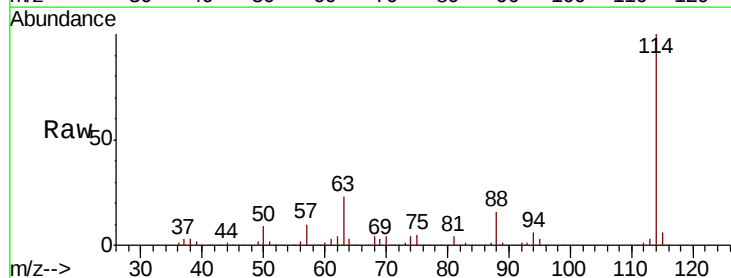
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

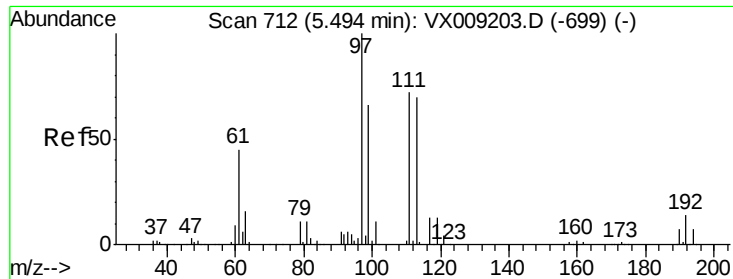
Tot Ion: 65 Resp: 113402
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009744.D
 Acq: 21 May 2019 13:50

Tgt Ion: 114 Resp: 270450
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 15.9 0.0 33.2

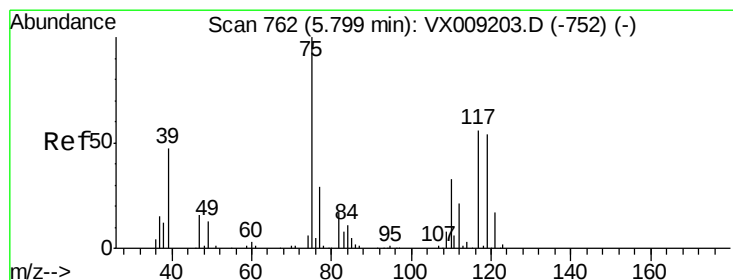
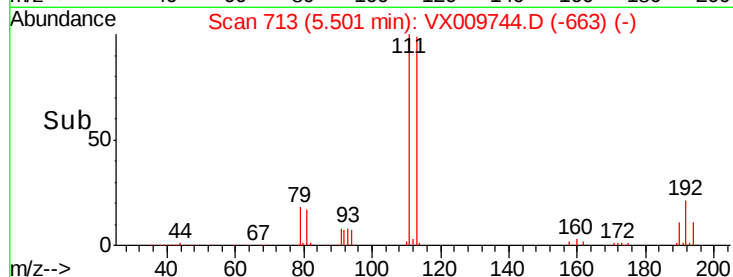
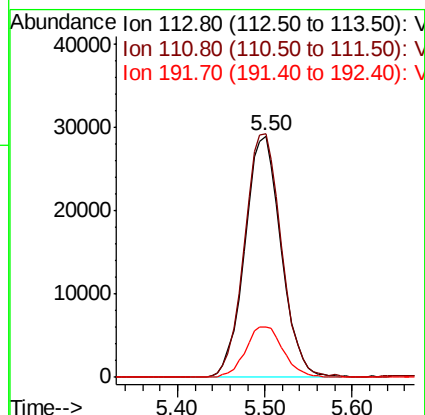
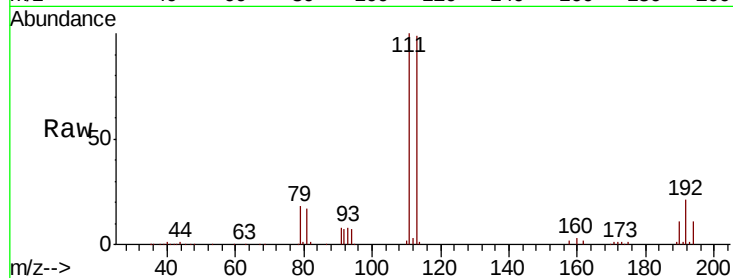




#35
 Dibromofluoromethane
 Concen: 49.027 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009744.D
 Acq: 21 May 2019 13:50

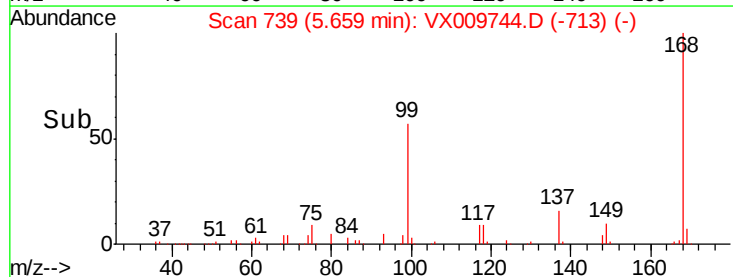
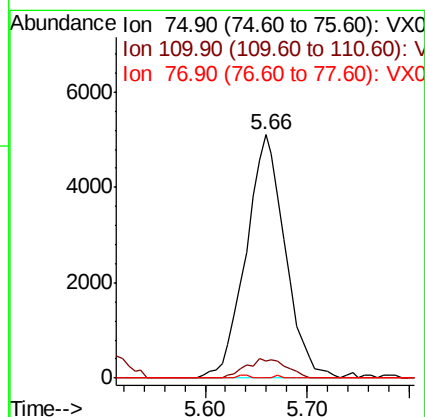
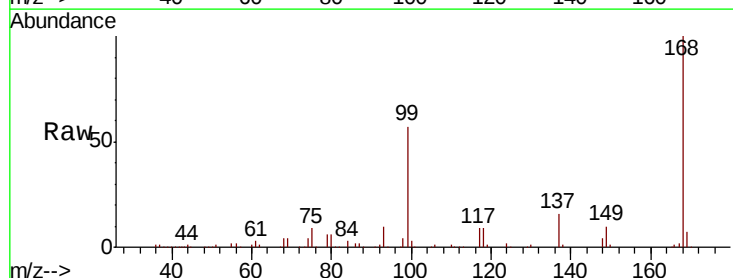
Instrument :
 MSVOA_X
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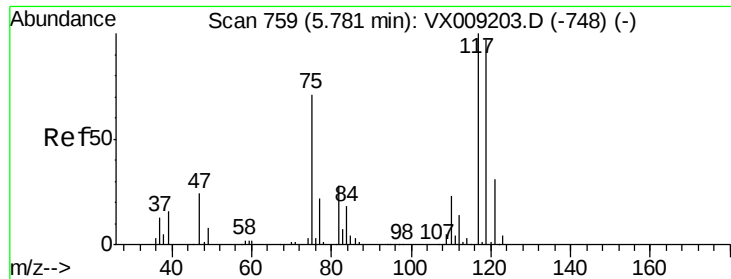
Tot Ion:113 Resp: 83354
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.402 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009744.D
 Acq: 21 May 2019 13:50

Tgt Ion: 75 Resp: 13577
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.834 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

TB

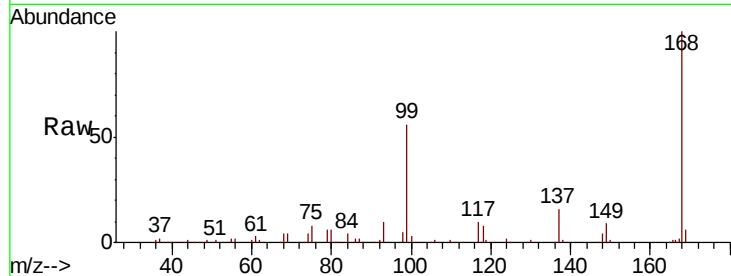
Tot Ion:117 Resp: 15605

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

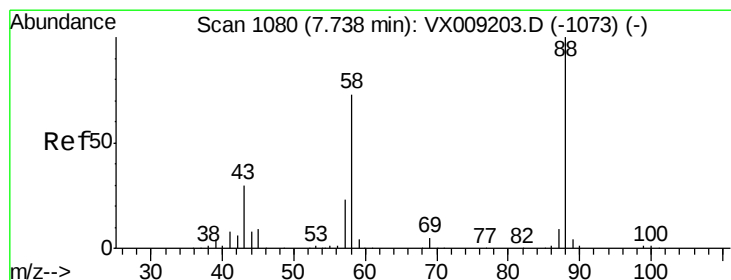
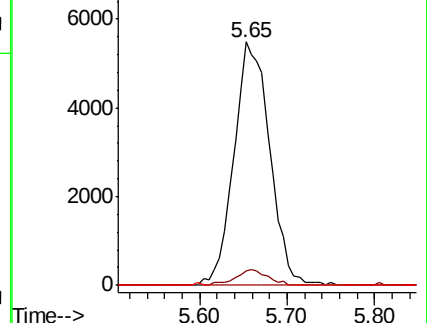
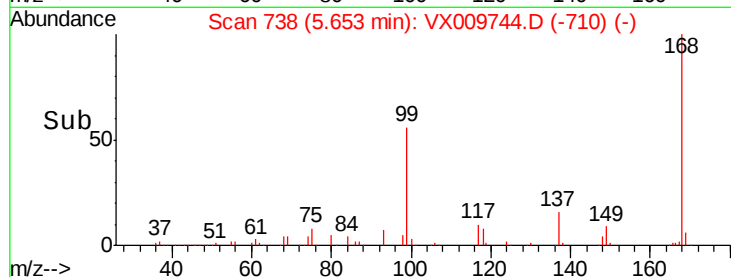
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.355 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.22 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

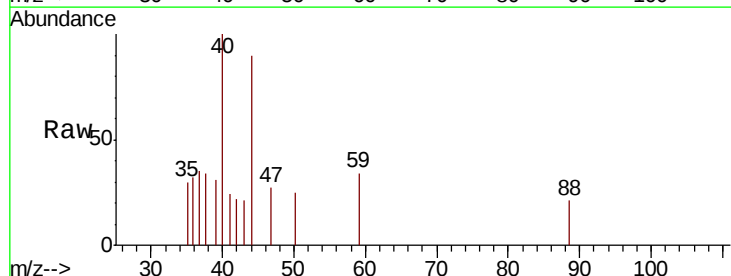
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 540.0 28.6 42.8#

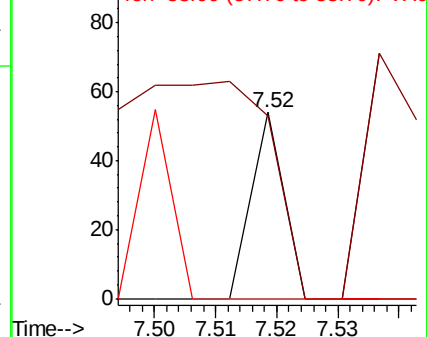
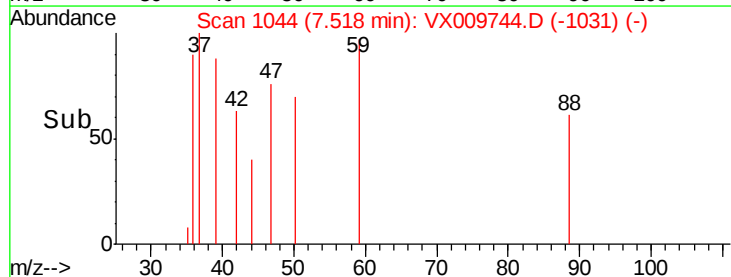
58 100.0 61.7 92.5#

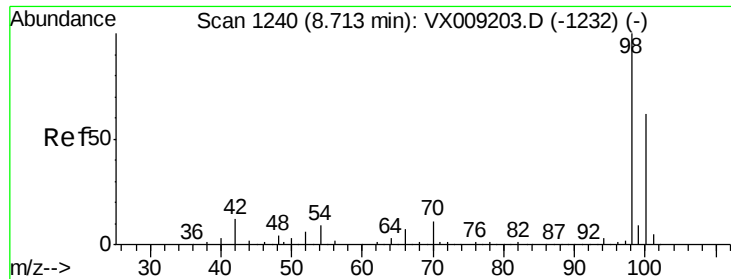


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.344 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

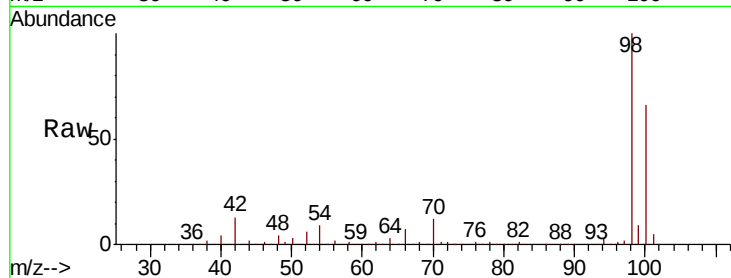
TB

Tot Ion: 98 Resp: 338696

Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

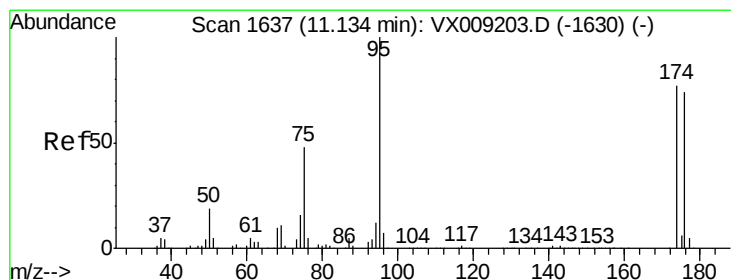
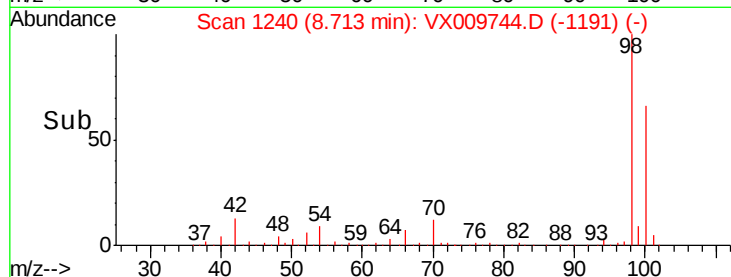
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.299 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

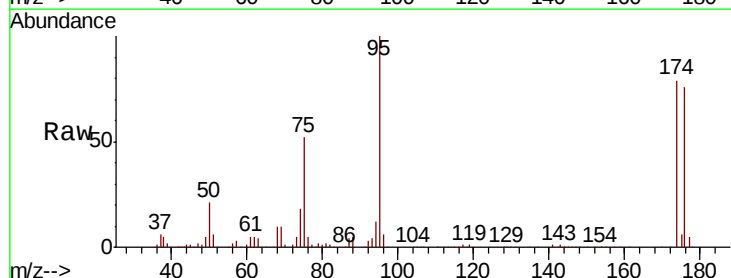
Tgt Ion: 95 Resp: 105498

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

176 79.9 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

11.13

100000

80000

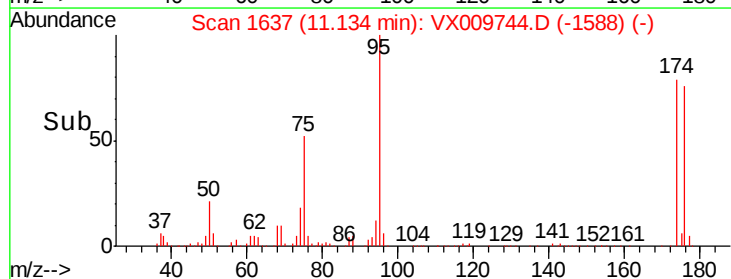
60000

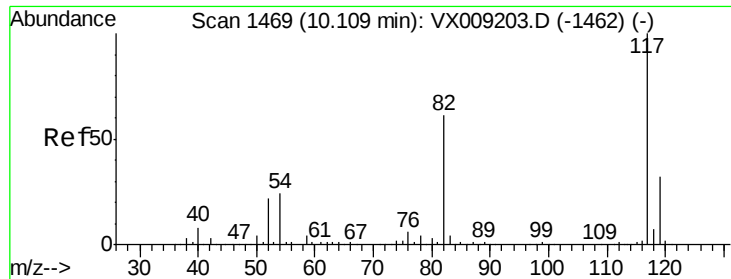
40000

20000

0

Time-->

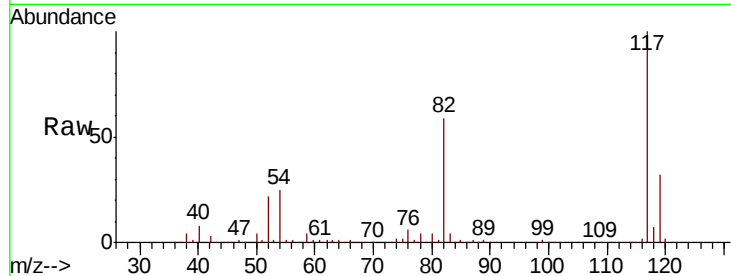




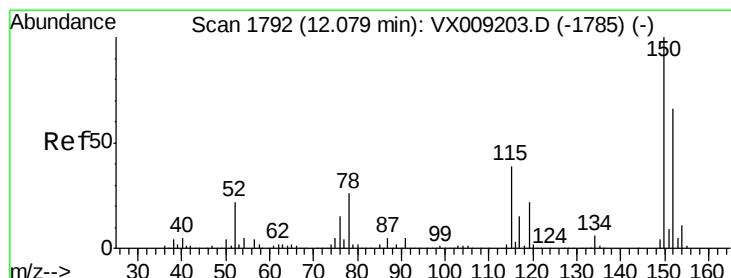
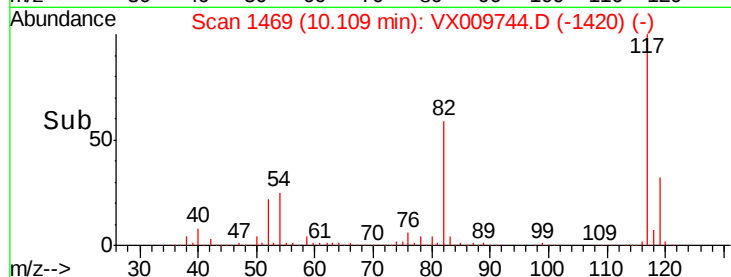
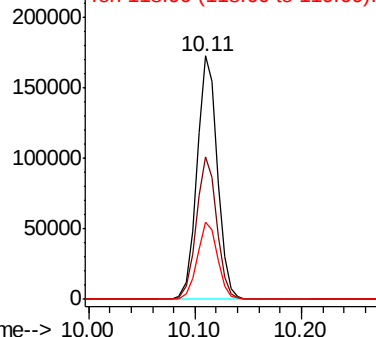
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009744.D
Acq: 21 May 2019 13:50

Instrument :
MSVOA_X
ClientSampled :
TB

Tot Ion:117 Resp: 231597
Ion Ratio Lower Upper
117 100
82 58.8 48.8 73.2
119 31.6 25.8 38.6

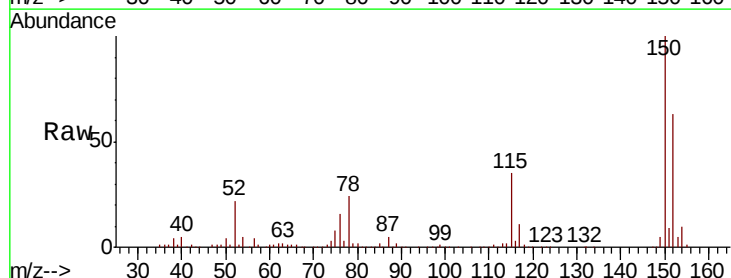


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

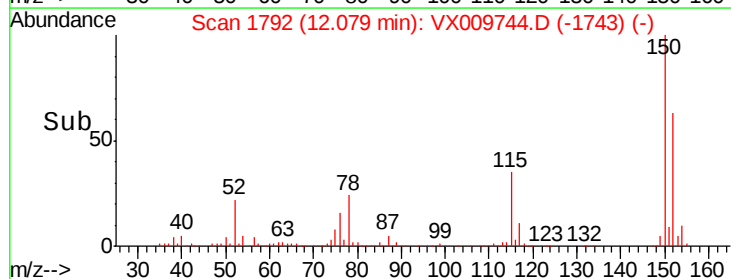
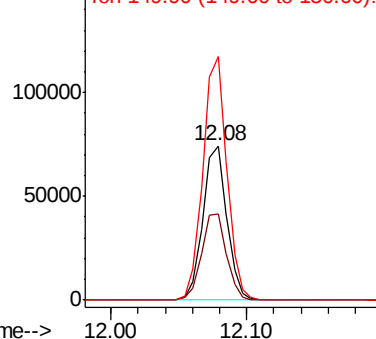


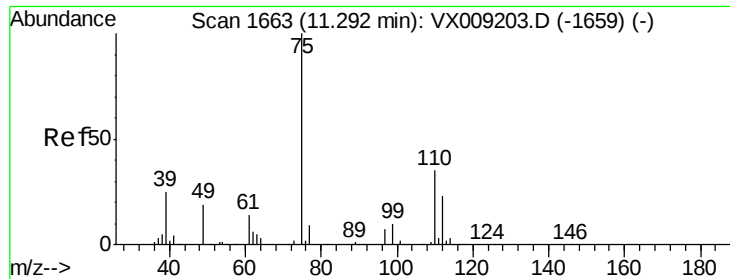
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009744.D
Acq: 21 May 2019 13:50

Tgt Ion:152 Resp: 90947
Ion Ratio Lower Upper
152 100
115 57.9 41.2 123.6
150 157.7 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: 25.774 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

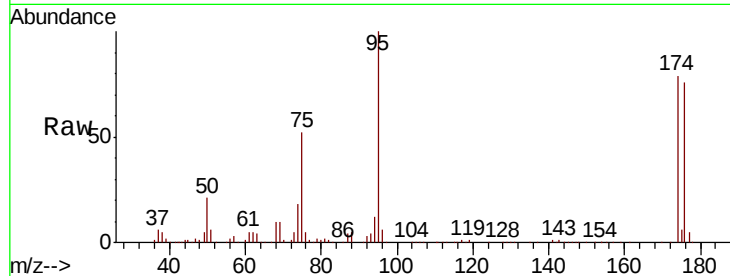
TB

Tot Ion: 75 Resp: 54373

Ion Ratio Lower Upper

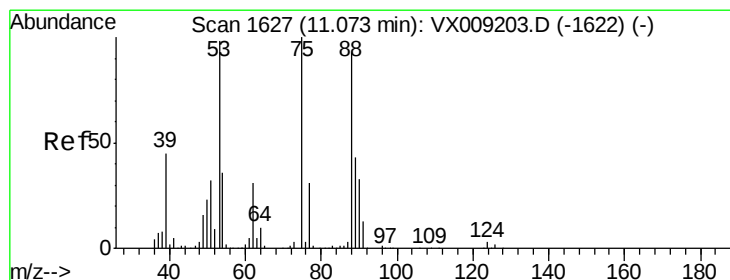
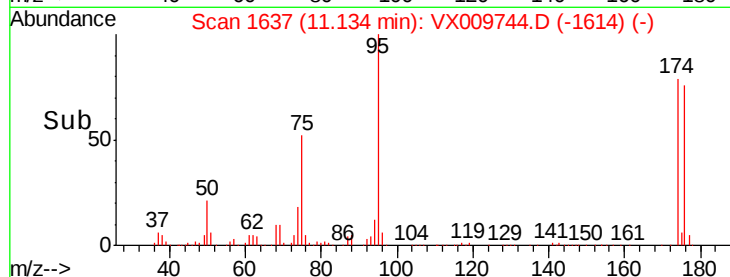
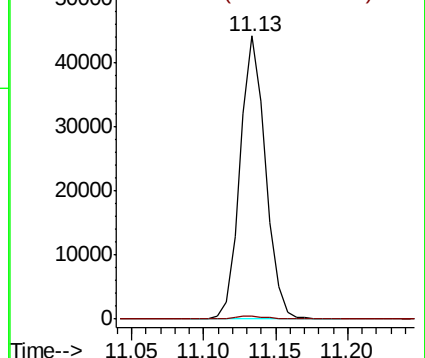
75 100

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: 65.945 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009744.D

Acq: 21 May 2019 13:50

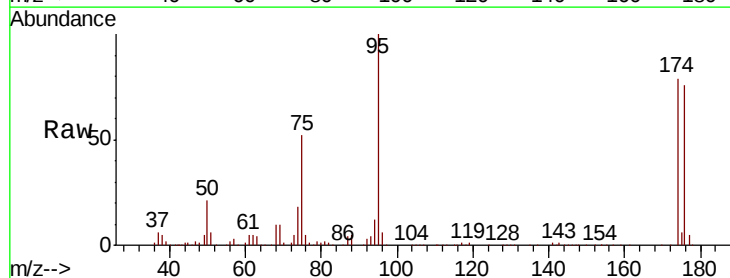
Tgt Ion: 75 Resp: 54373

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 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

