

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009771.D
 Acq On : 22 May 2019 01:31
 Operator : JC/SP
 Sample : VX0521WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBL02

Quant Time: May 22 07:11:57 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

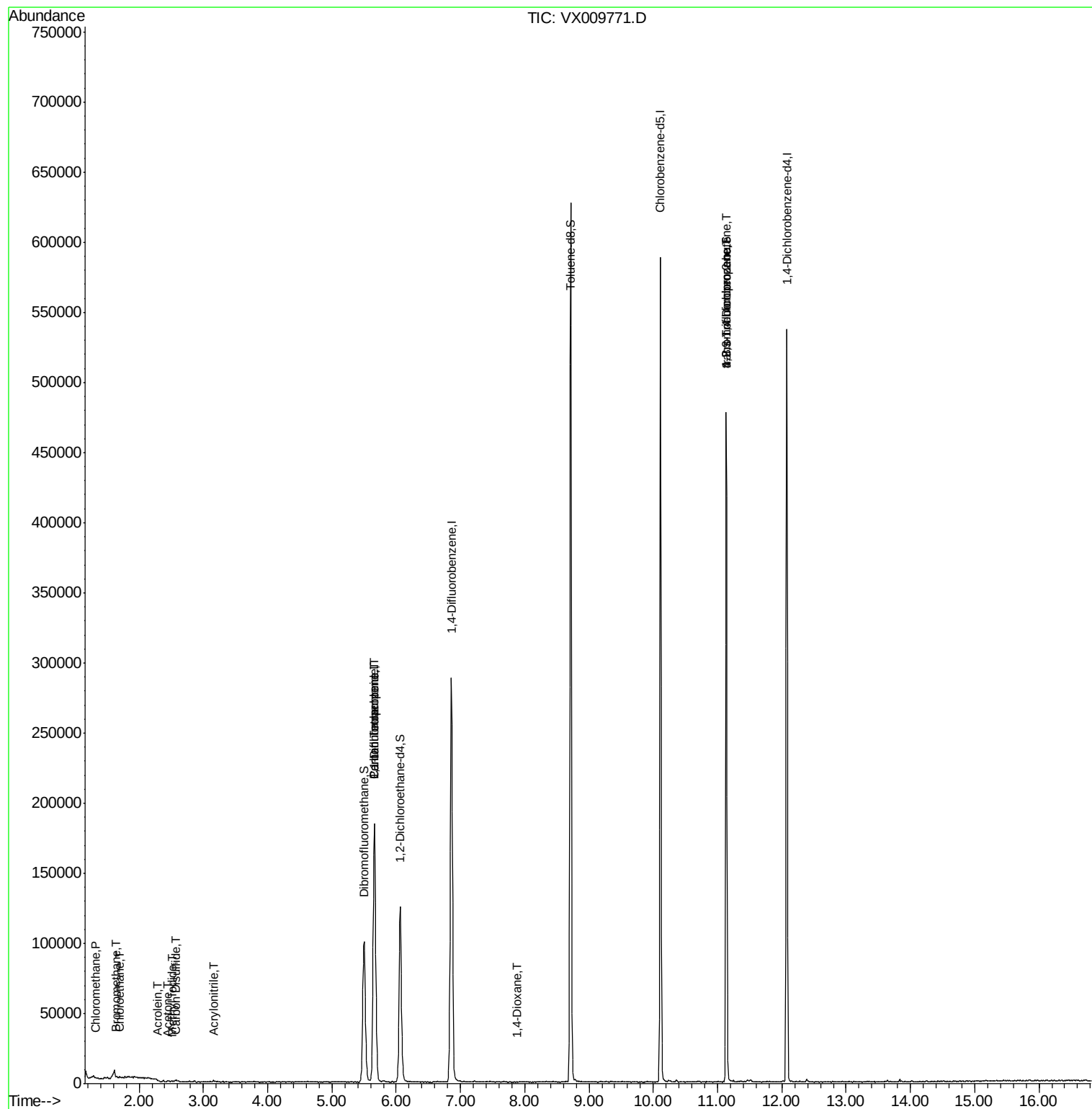
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	174962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113607	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	118903	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
35) Dibromofluoromethane	5.50	113	86189	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
50) Toluene-d8	8.71	98	356787	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	120763	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	568	0.258	ug/l #	47
5) Bromomethane	1.65	94	508	0.394	ug/l #	78
6) Chloroethane	1.70	64	366	0.266	ug/l #	79
10) Methyl Iodide	2.52	142	457	4.812	ug/l #	46
13) Acrolein	2.29	56	278	0.555	ug/l	84
15) Acrylonitrile	3.16	53	392	0.290	ug/l #	35
16) Acetone	2.45	43	658	0.513	ug/l	95
17) Carbon Disulfide	2.57	76	1608	0.349	ug/l #	84
28) Bromochloromethane	5.01	49	44	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	13913	5.269	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16686	6.955	ug/l #	15
49) 1,4-Dioxane	7.88	88	26	0.439	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62910	23.872	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62910	61.081	ug/l #	10

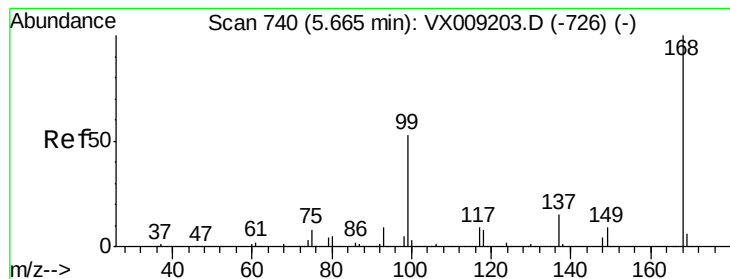
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 07:11:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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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: VX009771.D

Acq: 22 May 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

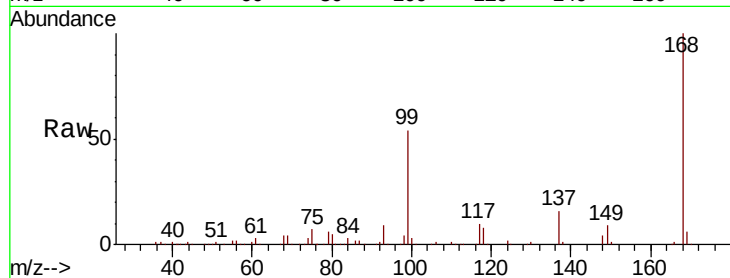
VX0521WBL02

Tot Ion:168 Resp: 174962

Ion Ratio Lower Upper

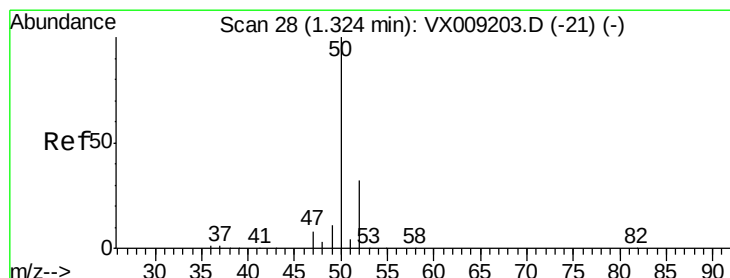
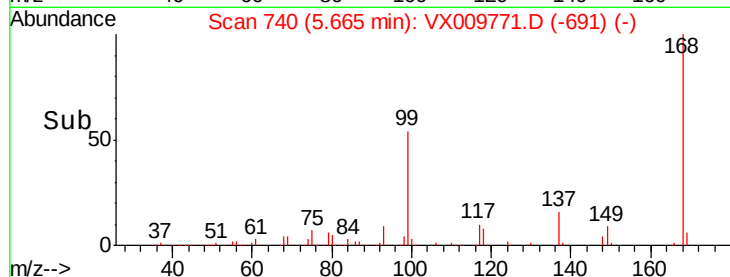
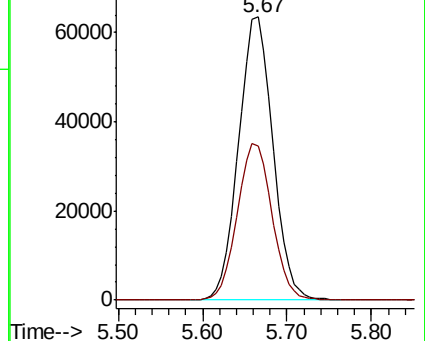
168 100

99 54.5 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: 0.258 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009771.D

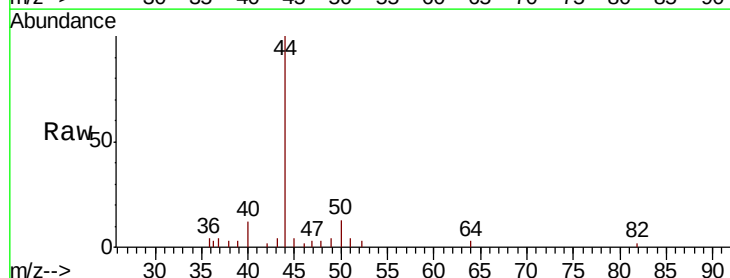
Acq: 22 May 2019 01:31

Tgt Ion: 50 Resp: 568

Ion Ratio Lower Upper

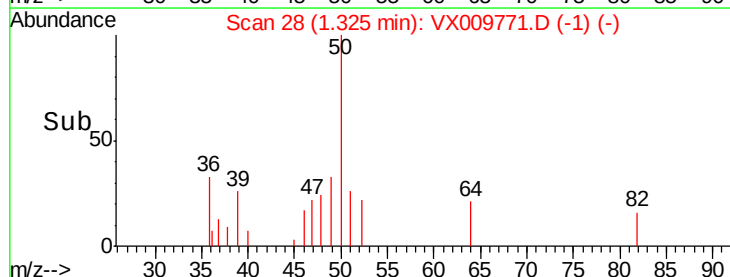
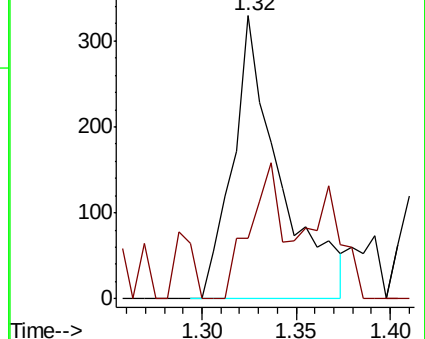
50 100

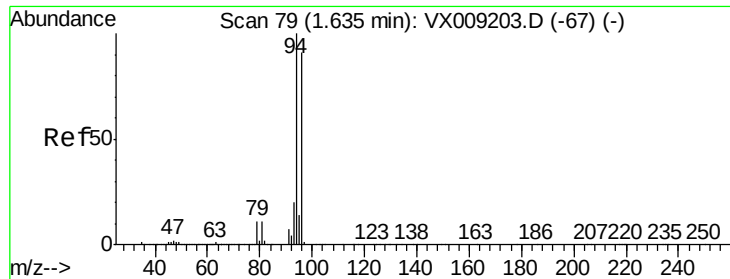
52 2.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.394 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

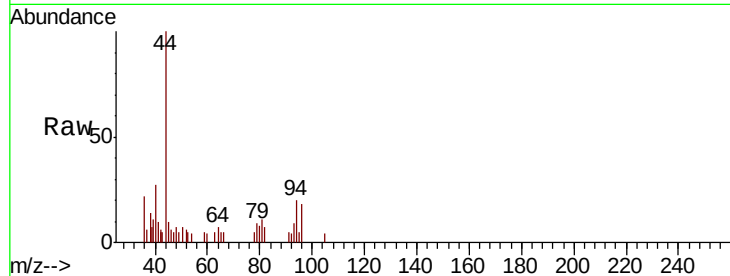
VX0521WBL02

Tot Ion: 94 Resp: 508

Ion Ratio Lower Upper

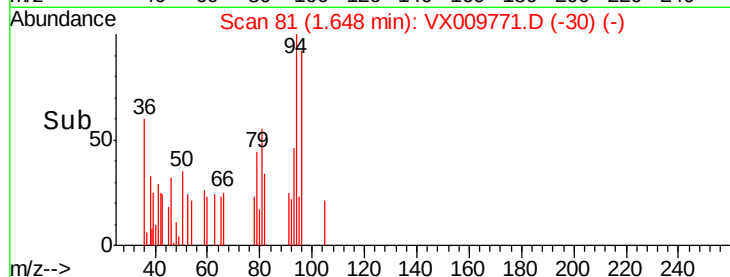
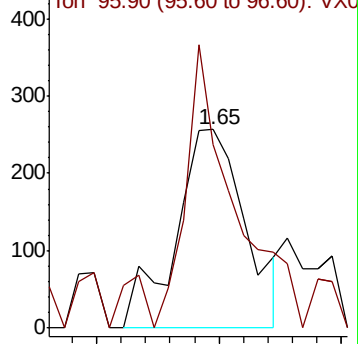
94 100

96 70.8 73.0 109.6#

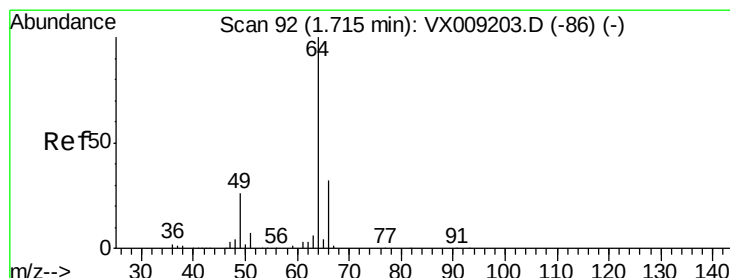


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.266 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX009771.D

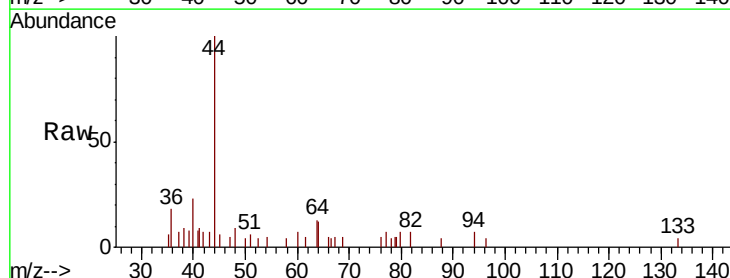
Acq: 22 May 2019 01:31

Tgt Ion: 64 Resp: 366

Ion Ratio Lower Upper

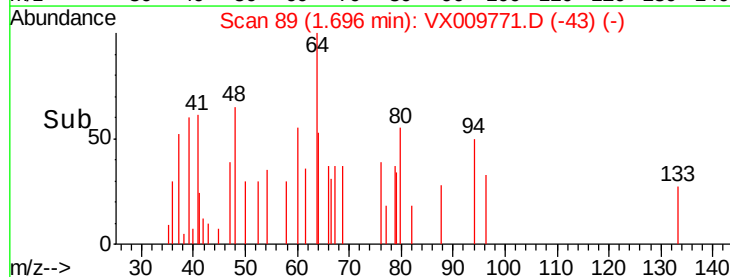
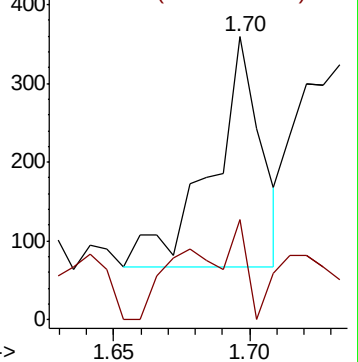
64 100

66 43.5 25.3 37.9#

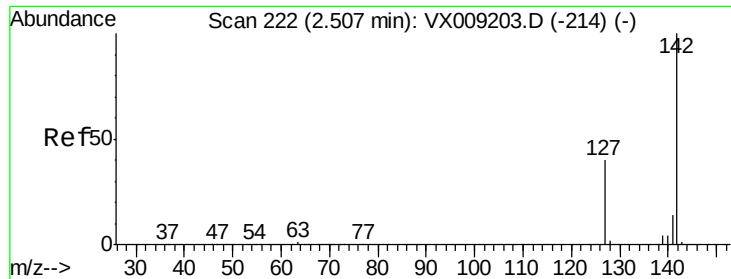


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



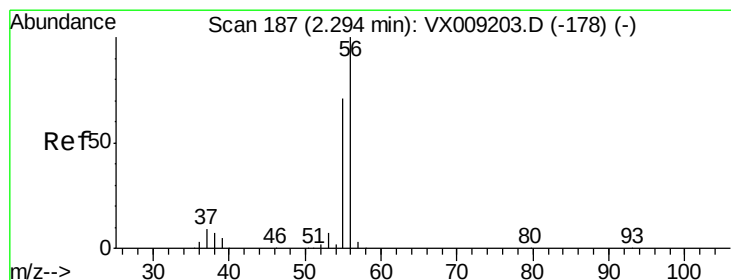
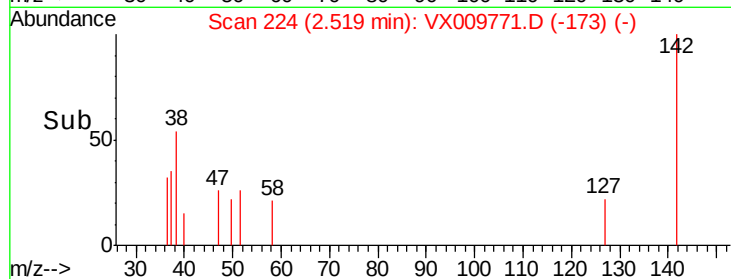
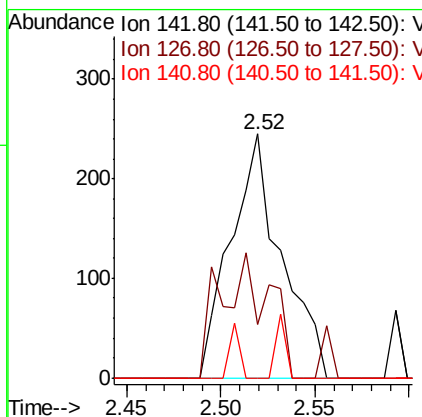
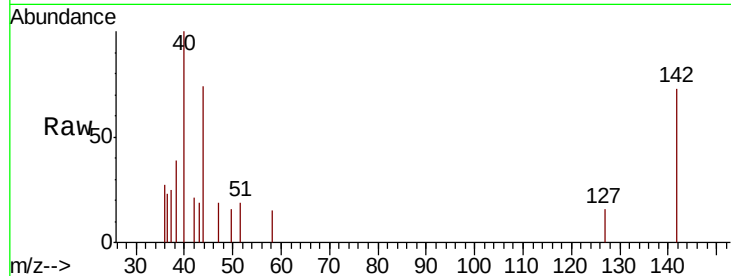
Time-->



#10
Methvl Iodide
Concen: 4.812 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009771.D
Acq: 22 May 2019 01:31

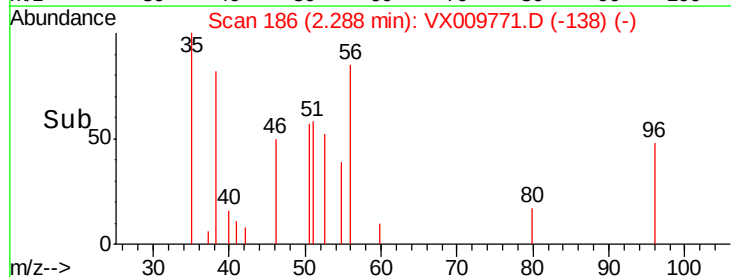
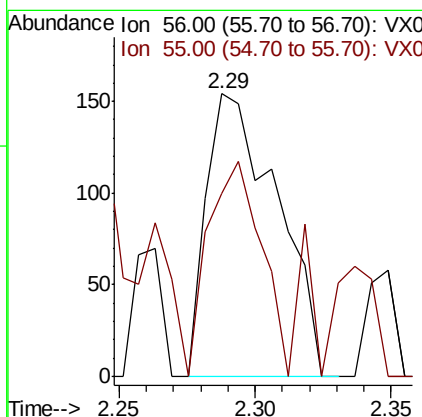
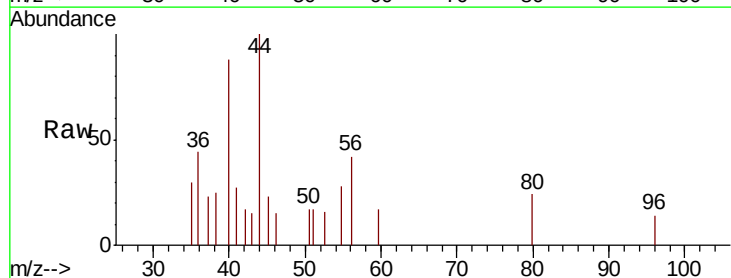
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL02

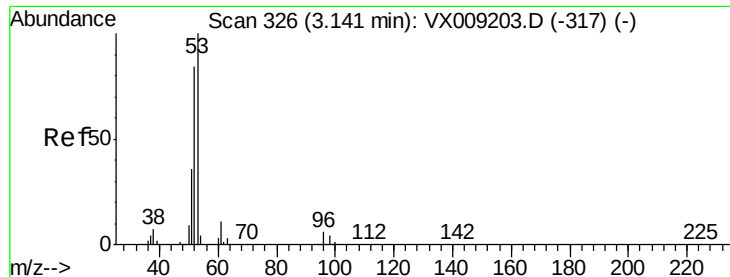
Tot Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 5.0 11.5 17.3#



#13
Acrolein
Concen: 0.555 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009771.D
Acq: 22 May 2019 01:31

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 57.2 56.6 85.0





#15

Acrylonitrile

Concen: 0.290 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

VX0521WBL02

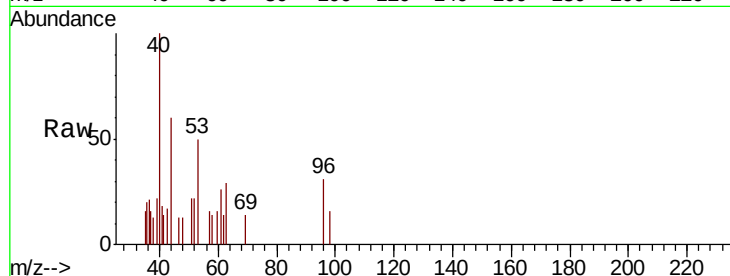
Tot Ion: 53 Resp: 392

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

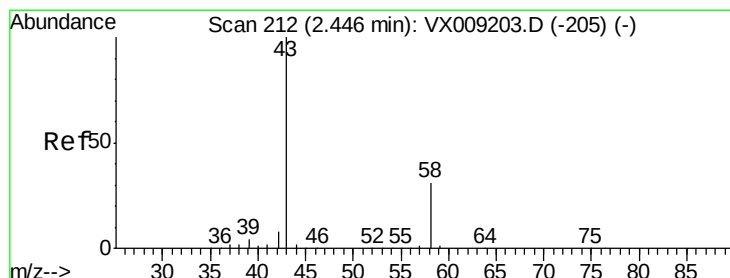
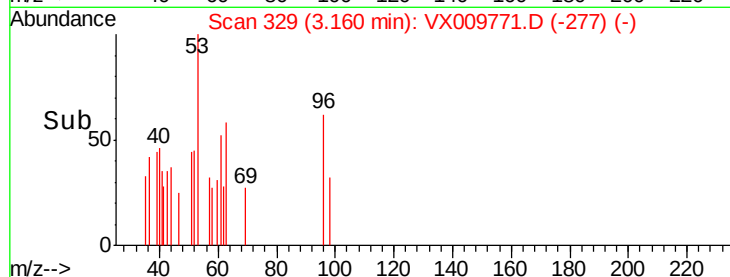
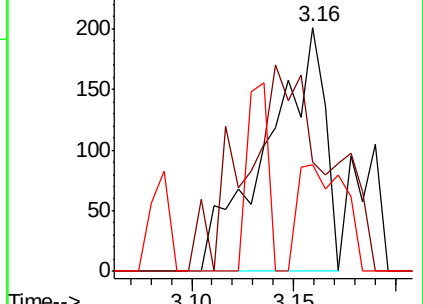
51 35.7 28.2 42.2



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



#16

Acetone

Concen: 0.513 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009771.D

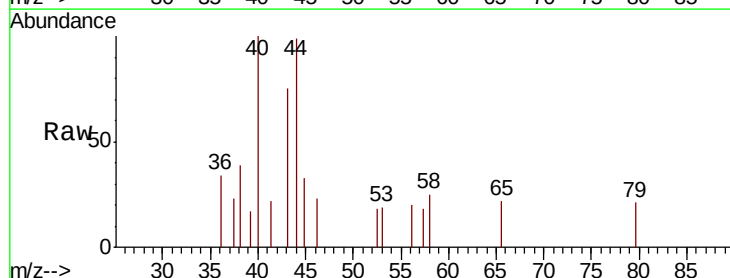
Acq: 22 May 2019 01:31

Tgt Ion: 43 Resp: 658

Ion Ratio Lower Upper

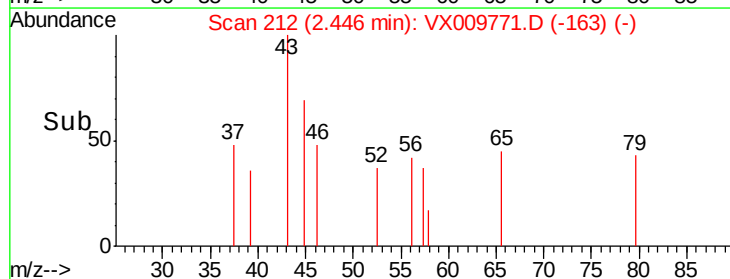
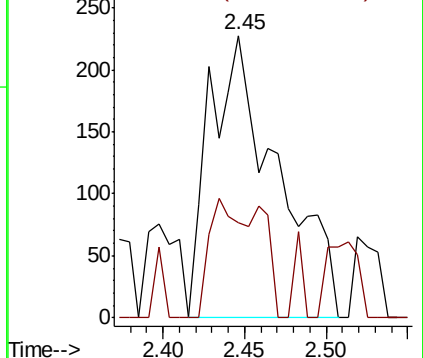
43 100

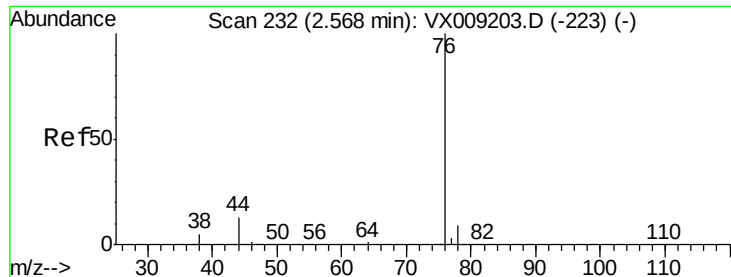
58 33.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.349 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

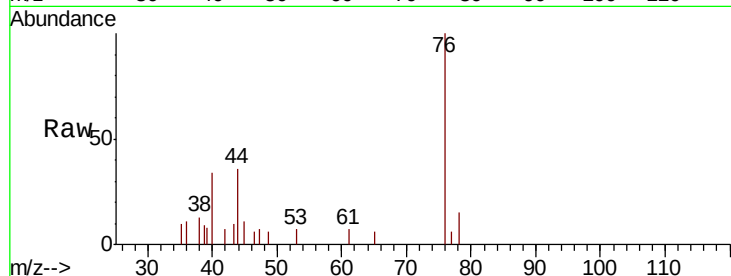
VX0521WBL02

Tot Ion: 76 Resp: 1608

Ion Ratio Lower Upper

76 100

78 15.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

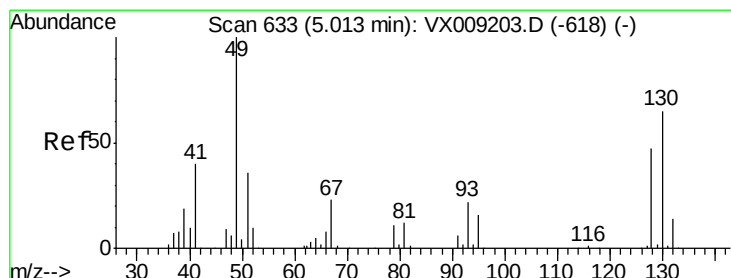
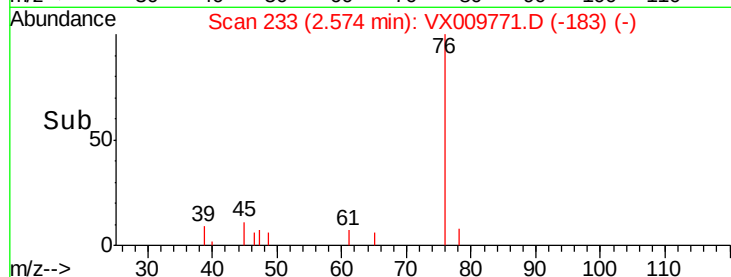
600

400

200

0

Time--> 2.50 2.55 2.60 2.65



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

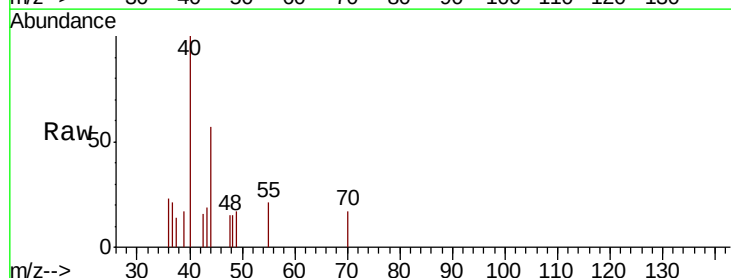
Tgt Ion: 49 Resp: 44

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

100

80

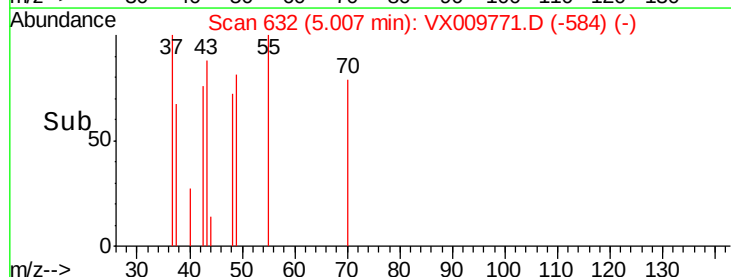
60

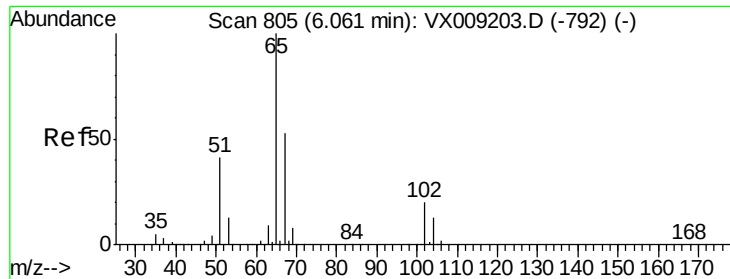
40

20

0

Time--> 4.98 4.99 5.00 5.01 5.02

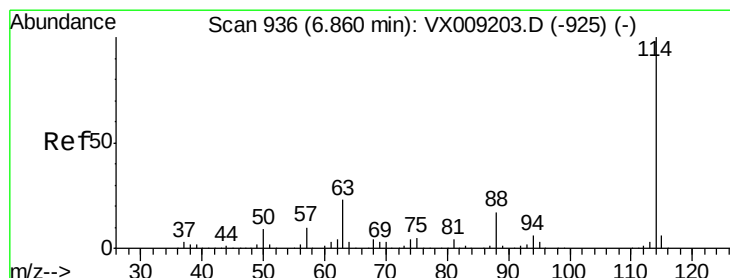
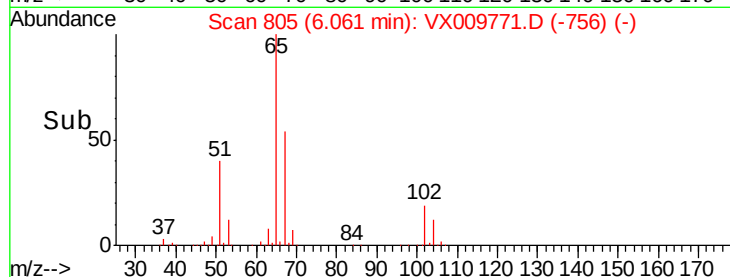
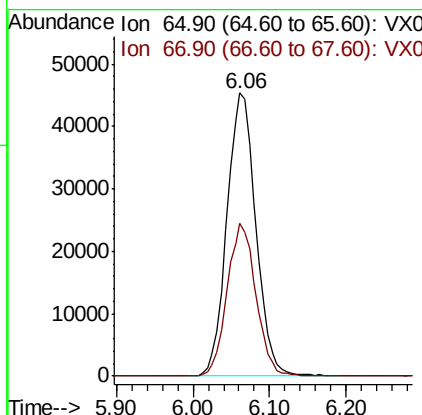
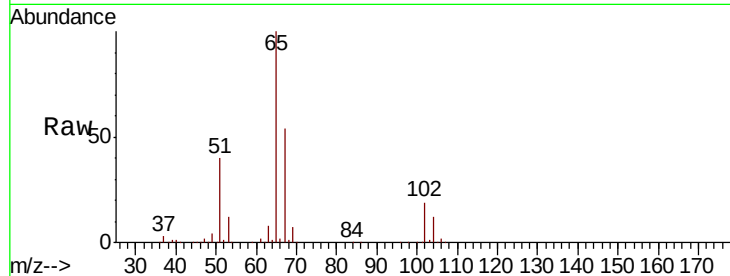




#33
 1,2-Dichloroethane-d4
 Concen: 49.783 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009771.D
 Acq: 22 May 2019 01:31

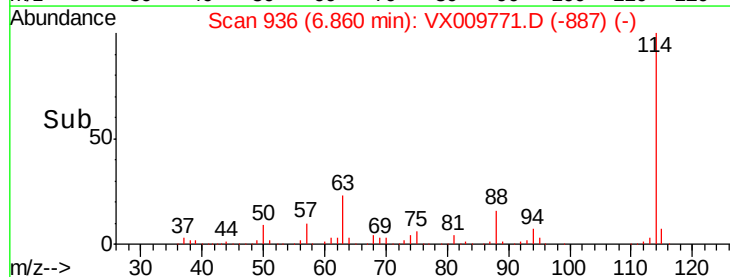
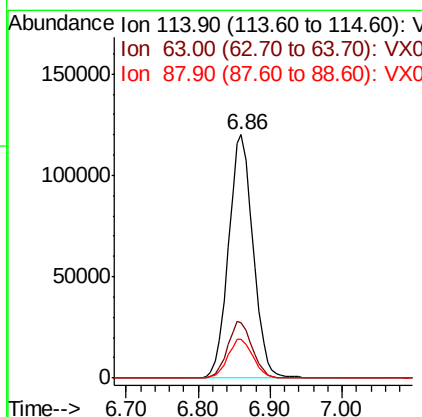
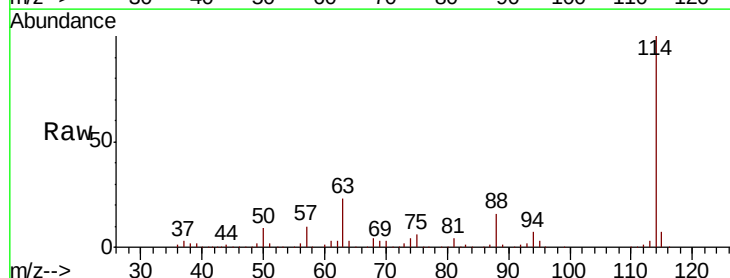
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBL02

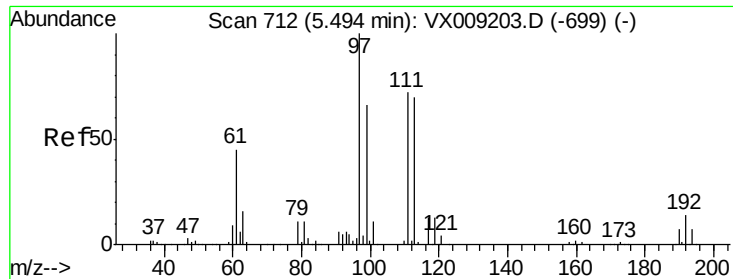
Tot Ion: 65 Resp: 118903
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009771.D
 Acq: 22 May 2019 01:31

Tgt Ion: 114 Resp: 284123
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.2 0.0 33.2

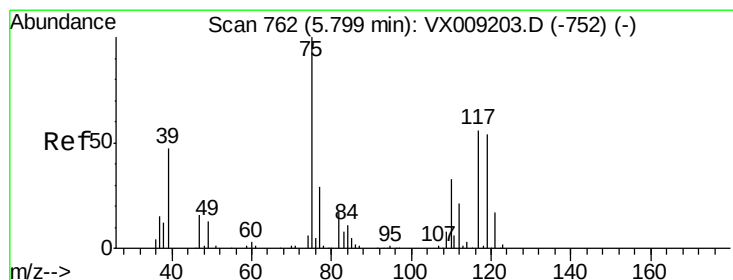
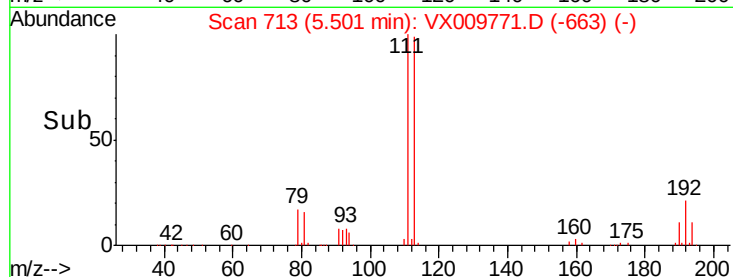
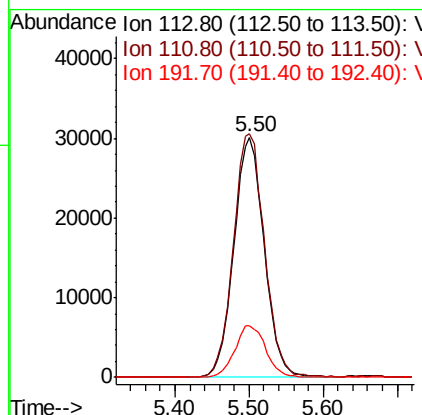
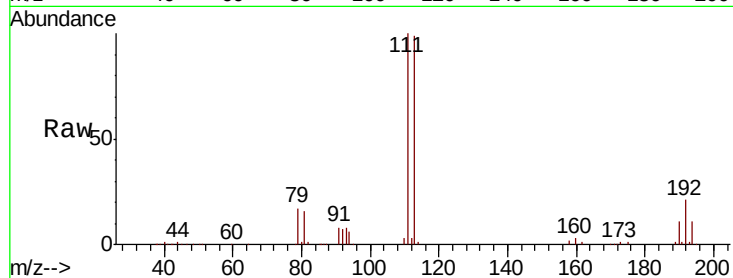




#35
 Dibromofluoromethane
 Concen: 48.255 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009771.D
 Acq: 22 May 2019 01:31

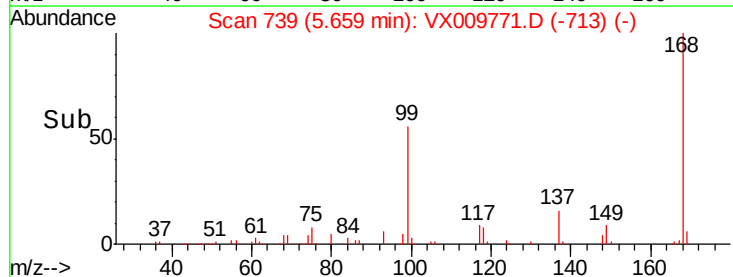
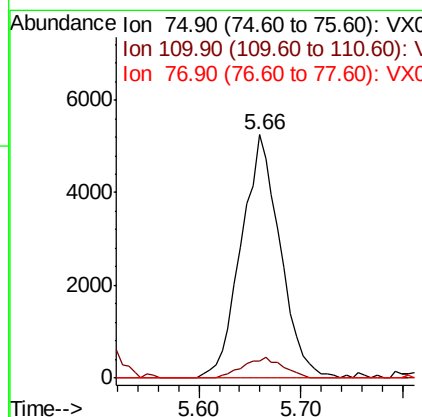
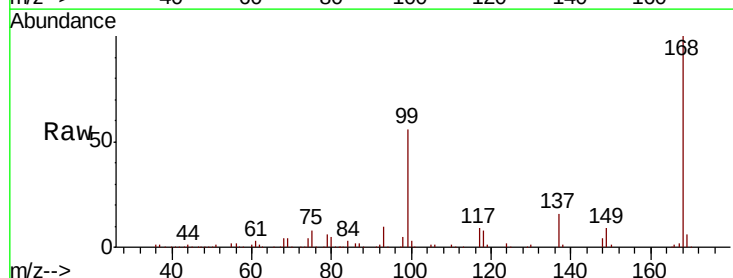
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBL02

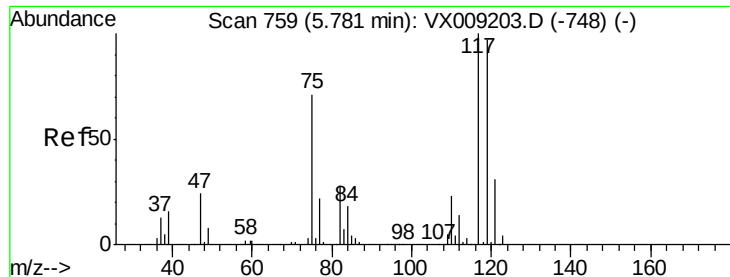
Tot Ion:113 Resp: 86189
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.269 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009771.D
 Acq: 22 May 2019 01:31

Tgt Ion: 75 Resp: 13913
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.955 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL02

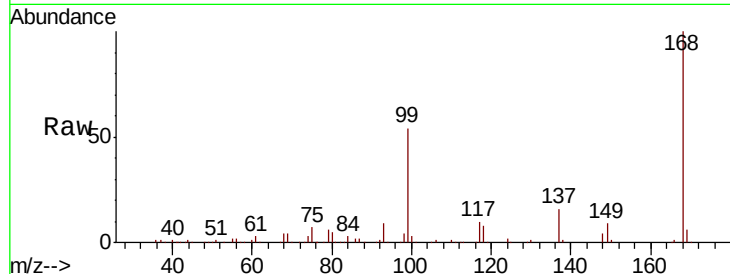
Tot Ion:117 Resp: 16686

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

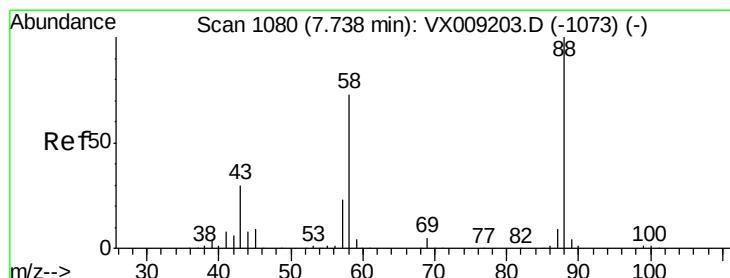
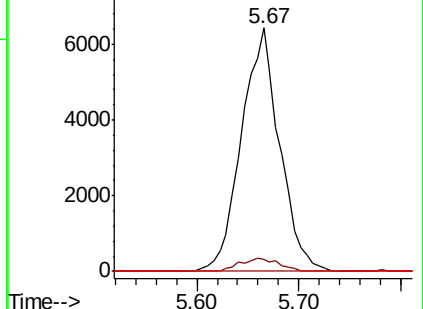
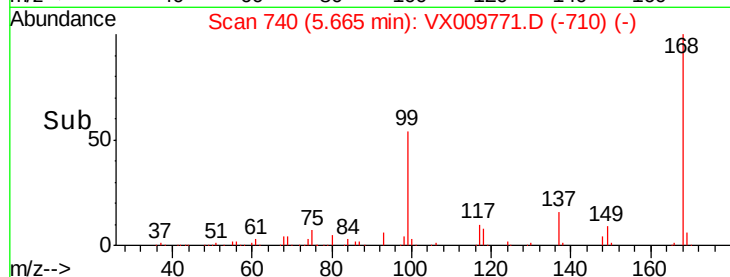
121 0.0 24.7 37.1#



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: 0.439 ug/l

RT: 7.88 min Scan# 1103

Delta R.T. 0.14 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

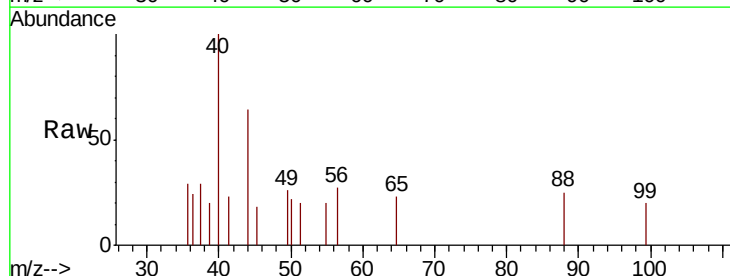
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 311.5 28.6 42.8#

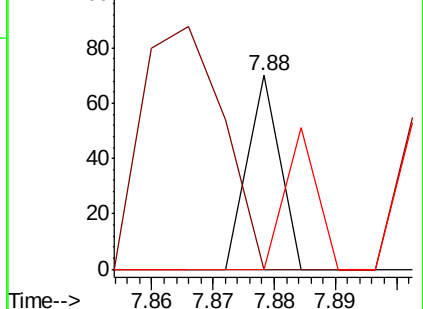
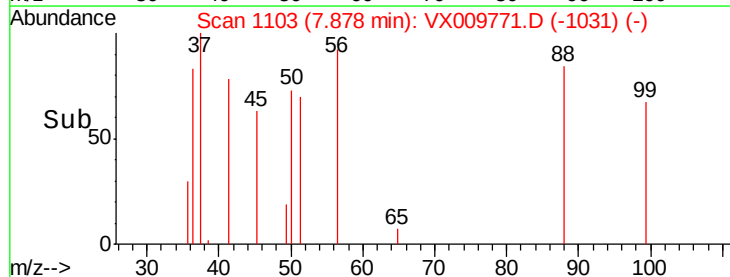
58 73.1 61.7 92.5

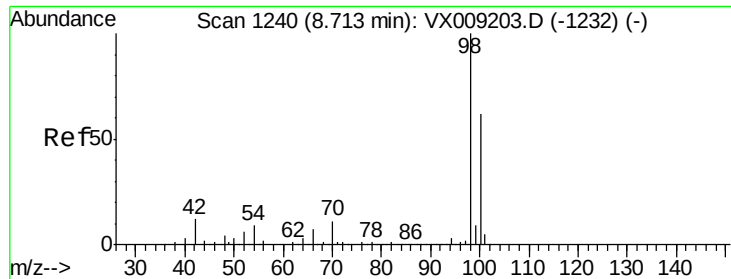


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.478 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

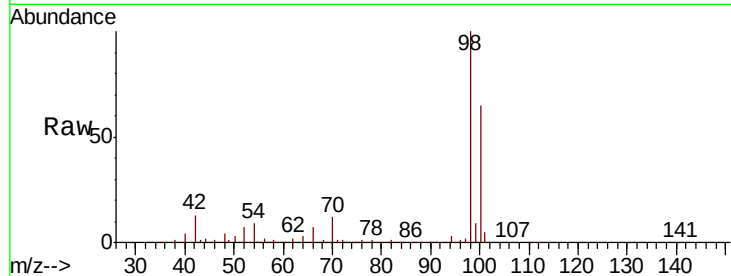
VX0521WBL02

Tot Ion: 98 Resp: 356787

Ion Ratio Lower Upper

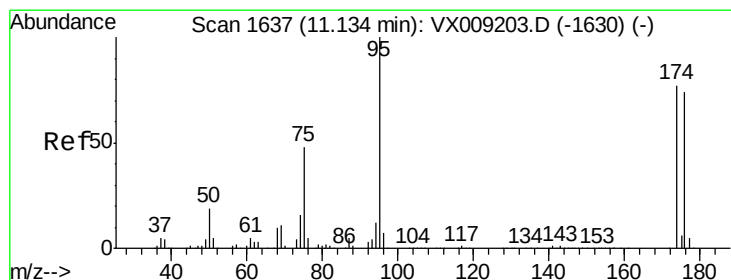
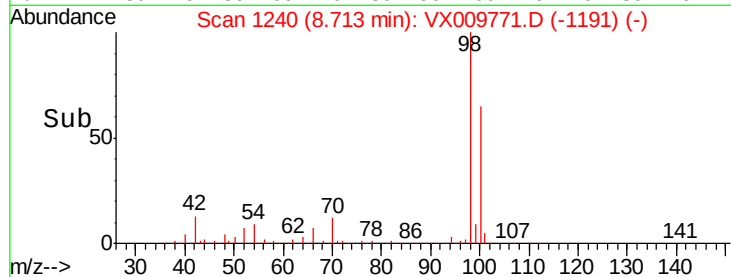
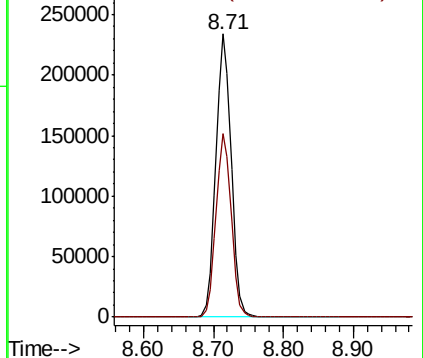
98 100

100 64.5 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: 46.089 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009771.D

Acq: 22 May 2019 01:31

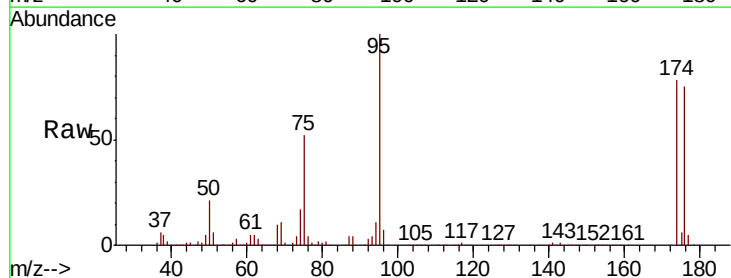
Tgt Ion: 95 Resp: 120763

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

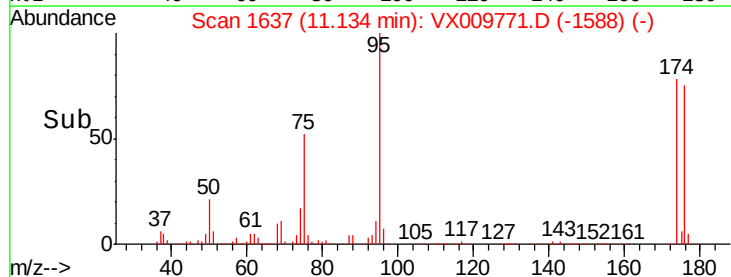
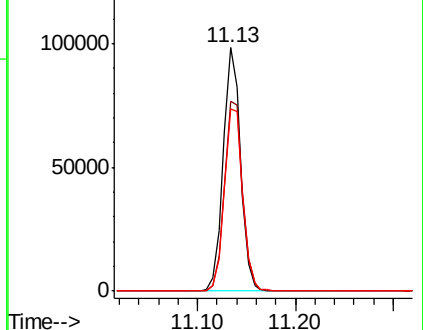
176 79.5 0.0 159.2

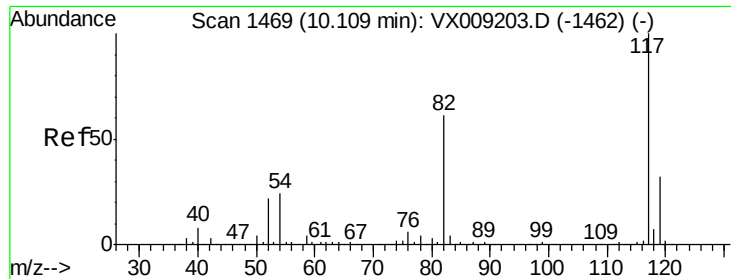


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

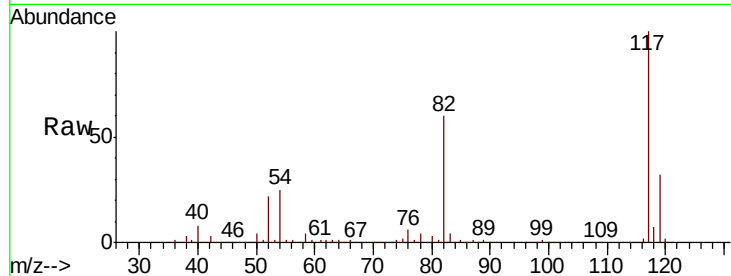




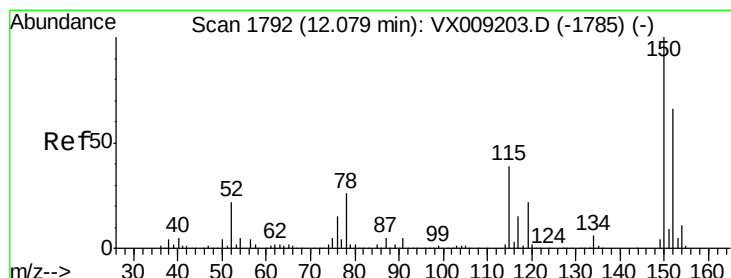
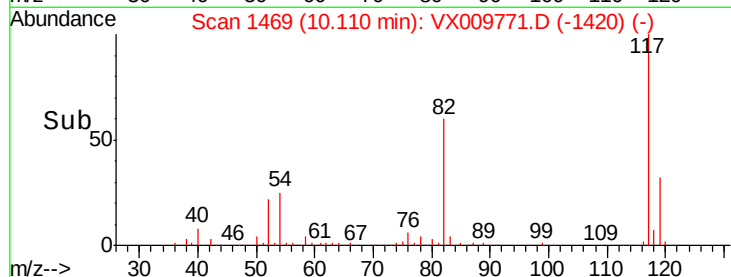
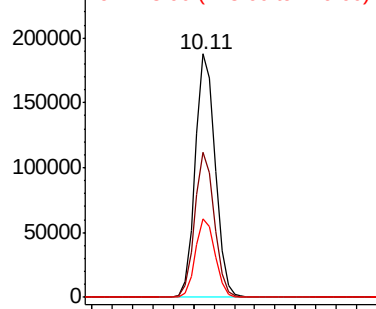
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009771.D
Acq: 22 May 2019 01:31

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL02

Tot Ion:117 Resp: 255384
Ion Ratio Lower Upper
117 100
82 59.8 48.8 73.2
119 32.1 25.8 38.6

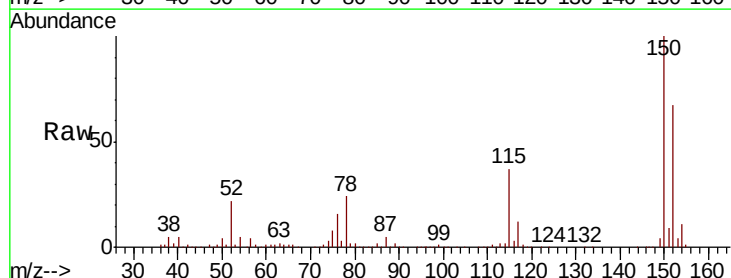


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

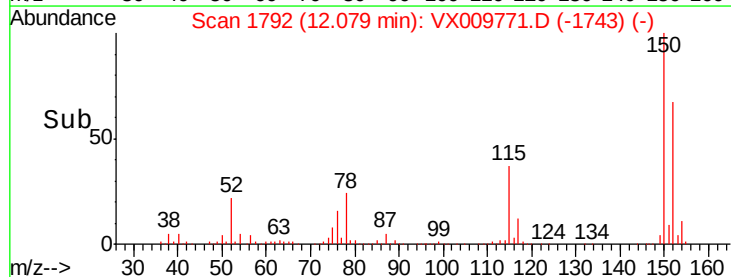
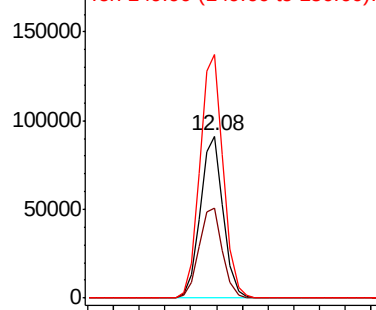


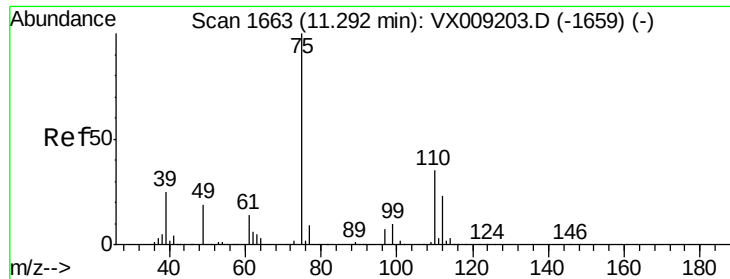
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009771.D
Acq: 22 May 2019 01:31

Tgt Ion:152 Resp: 113607
Ion Ratio Lower Upper
152 100
115 57.1 41.2 123.6
150 153.7 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

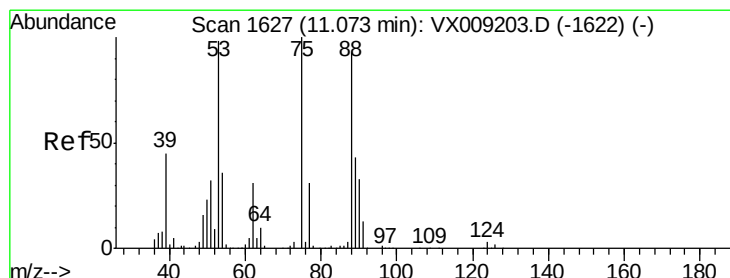
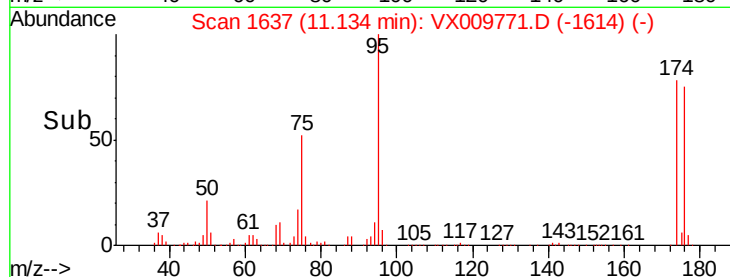
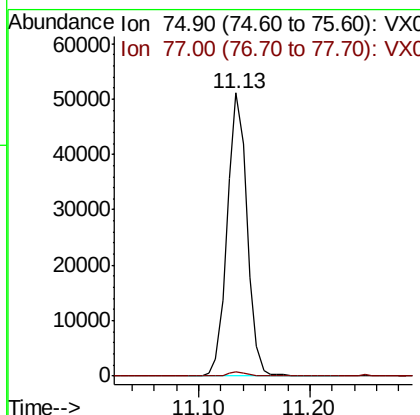
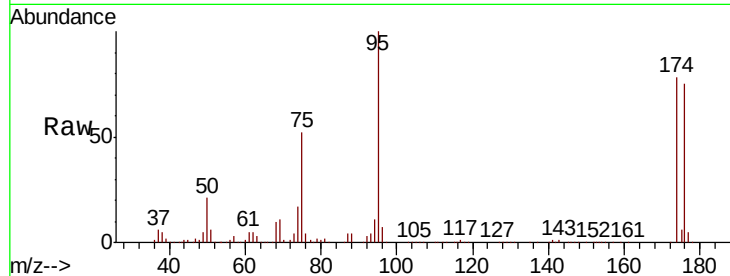




#76
 1,2,3-Trichloropropane
 Concen: 23.872 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009771.D
 Acq: 22 May 2019 01:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBL02

Tot Ion: 75 Resp: 62910
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.081 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009771.D
 Acq: 22 May 2019 01:31

Tgt Ion: 75 Resp: 62910
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

