

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009339.D
 Acq On : 06 May 2019 10:36
 Operator : JC/SP
 Sample : VX0506WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBL01

Quant Time: May 07 06:33:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	325281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119401	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	133943	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
35) Dibromofluoromethane	5.49	113	101080	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	8.71	98	406340	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	130037	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

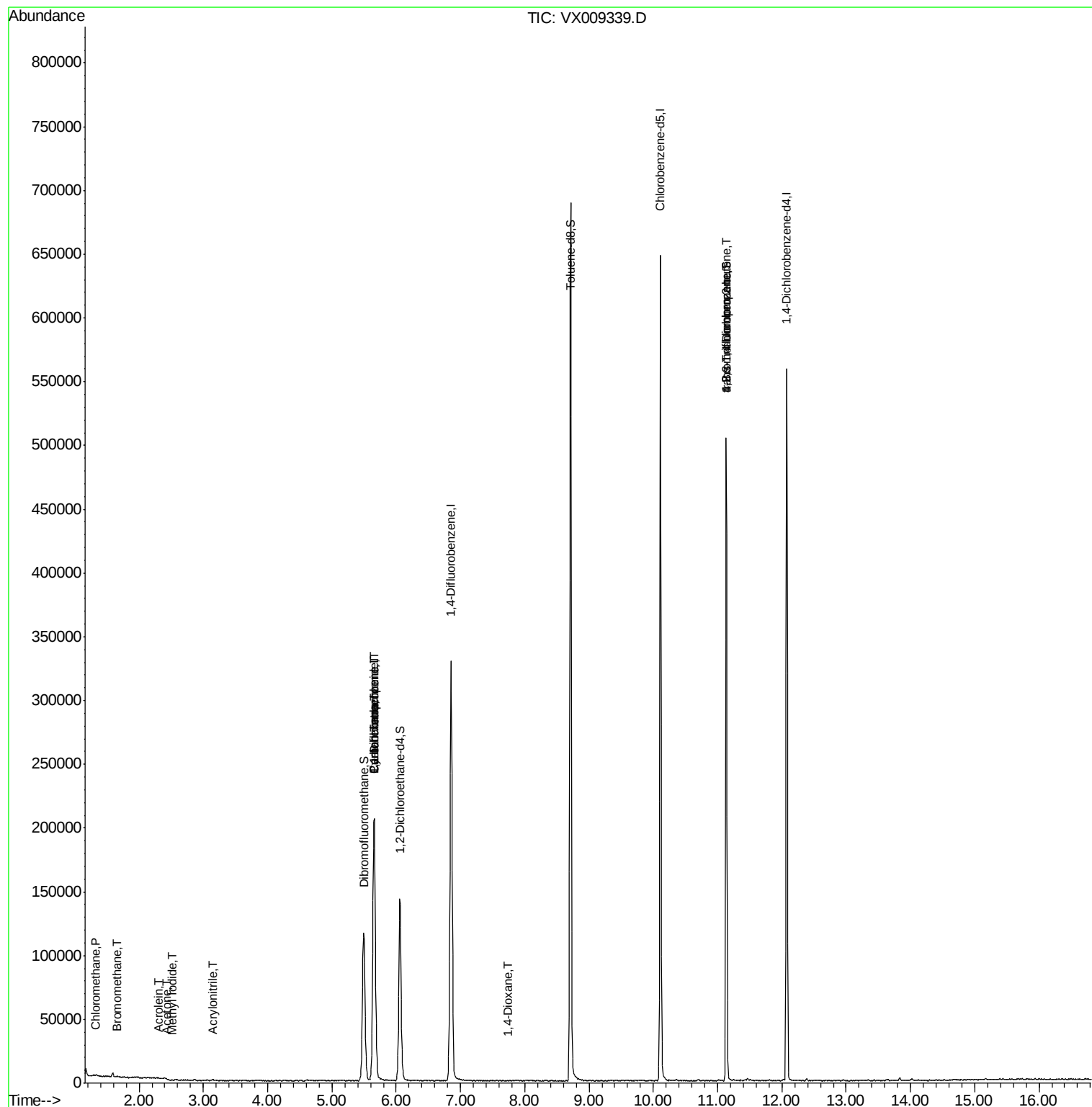
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	555	0.217	ug/l	91
5) Bromomethane	1.66	94	467	0.311	ug/l	90
10) Methyl Iodide	2.52	142	259	4.700	ug/l #	58
13) Acrolein	2.29	56	463	0.794	ug/l #	70
15) Acrylonitrile	3.15	53	451	0.287	ug/l	96
16) Acetone	2.44	43	915	0.613	ug/l	95
28) Bromochloromethane	5.01	49	105	Below Cal	#	20
31) Cyclohexane	5.66	56	4482	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15273	5.052	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18551	6.754	ug/l #	15
49) 1,4-Dioxane	7.74	88	30	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66274	23.928	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66274	61.224	ug/l #	10

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

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Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

Quant Time: May 07 06:33:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 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: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

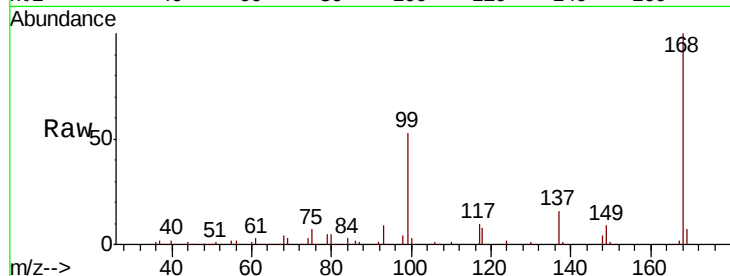
VX0506WBL01

Tot Ion:168 Resp: 203713

Ion Ratio Lower Upper

168 100

99 52.6 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

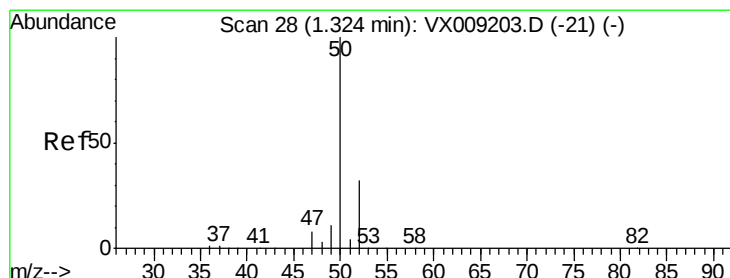
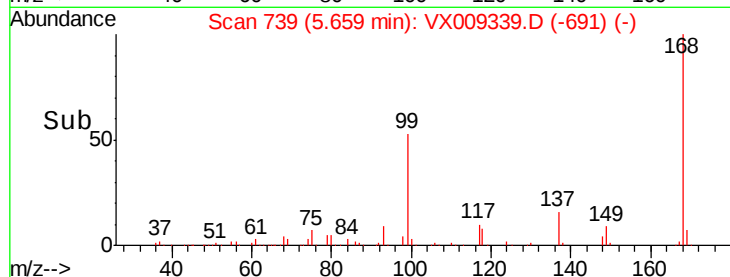
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009339.D

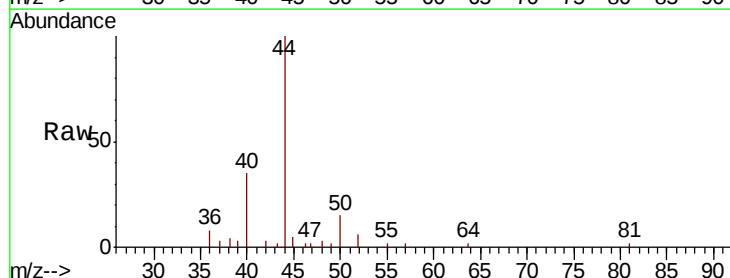
Acq: 06 May 2019 10:36

Tgt Ion: 50 Resp: 555

Ion Ratio Lower Upper

50 100

52 37.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

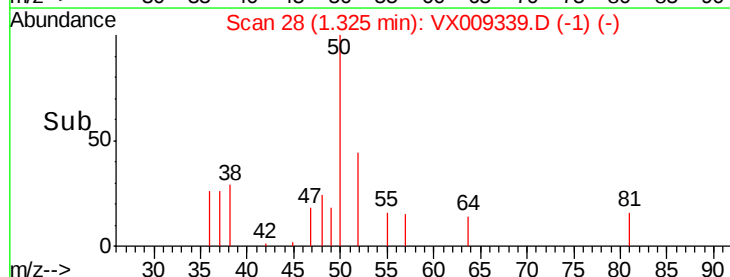
200

100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.311 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampled :

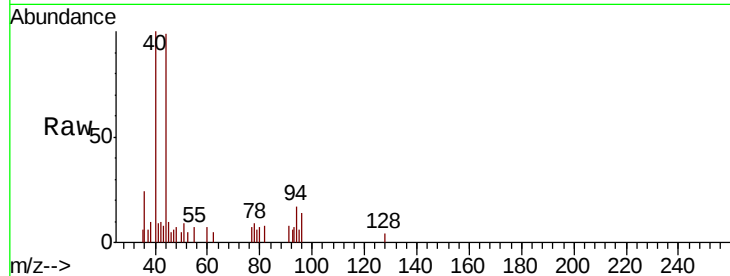
VX0506WBL01

Tot Ion: 94 Resp: 467

Ion Ratio Lower Upper

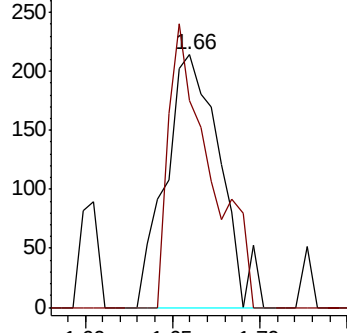
94 100

96 81.8 73.0 109.6

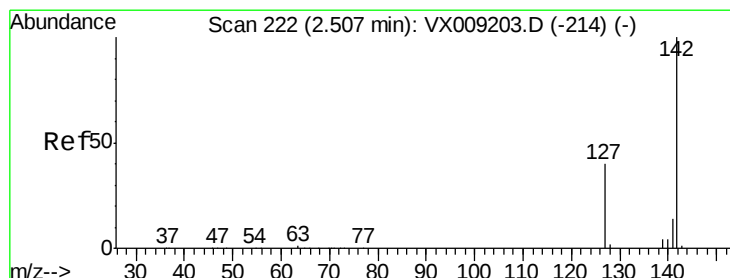
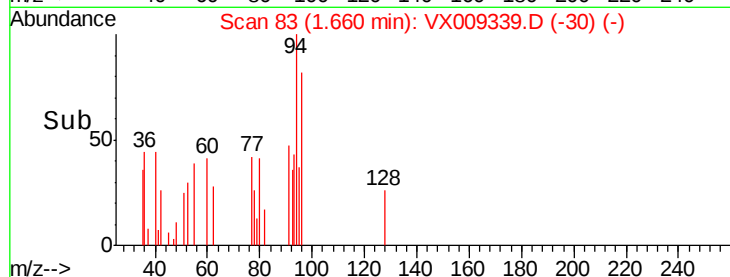


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.700 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

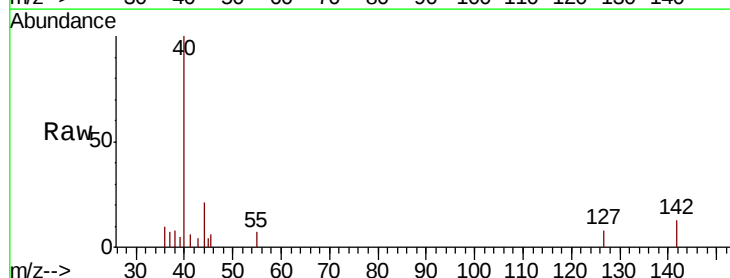
Tgt Ion: 142 Resp: 259

Ion Ratio Lower Upper

142 100

127 13.5 32.7 49.1#

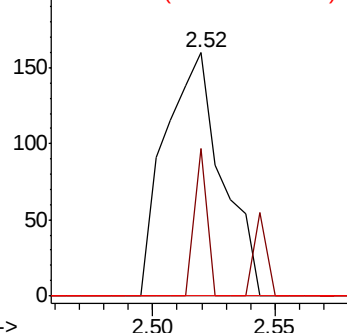
141 0.0 11.5 17.3#



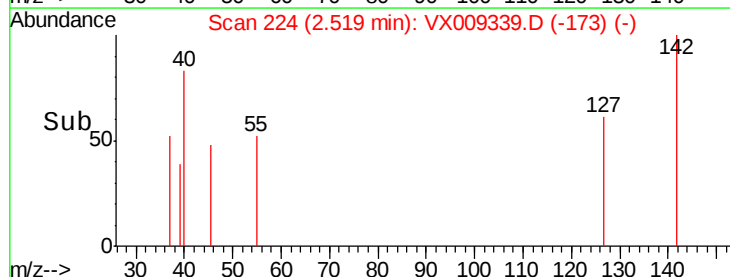
Abundance Ion 141.80 (141.50 to 142.50): V

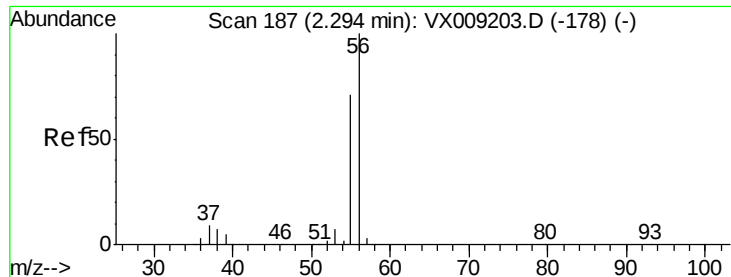
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#13

Acrolein

Concen: 0.794 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampled :

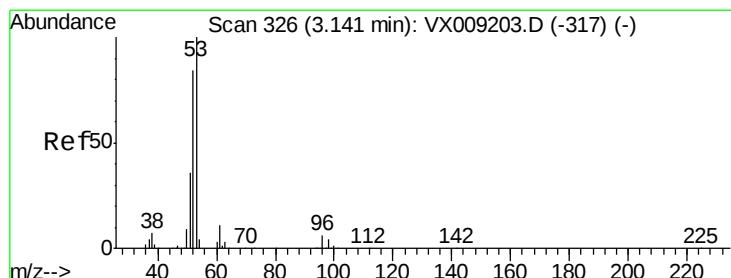
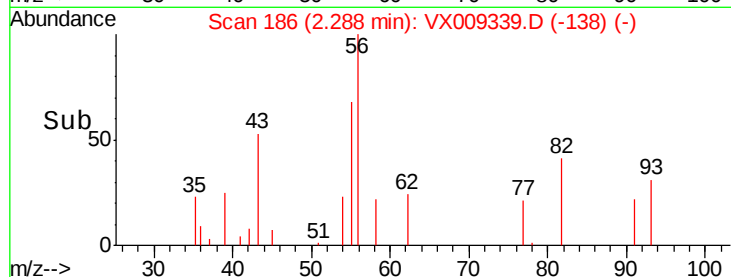
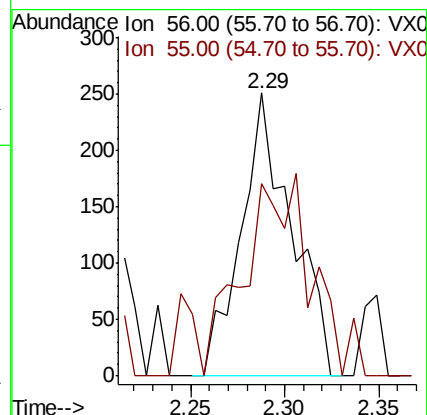
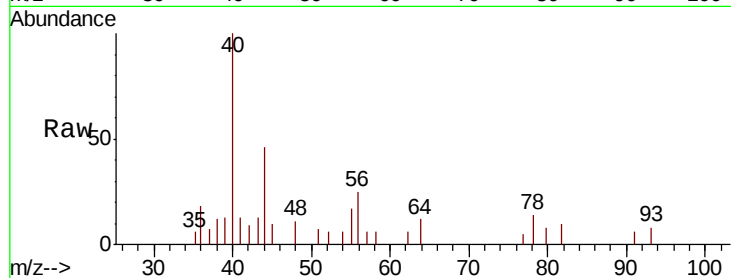
VX0506WBL01

Tot Ion: 56 Resp: 463

Ion Ratio Lower Upper

56 100

55 95.9 56.6 85.0#



#15

Acrylonitrile

Concen: 0.287 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

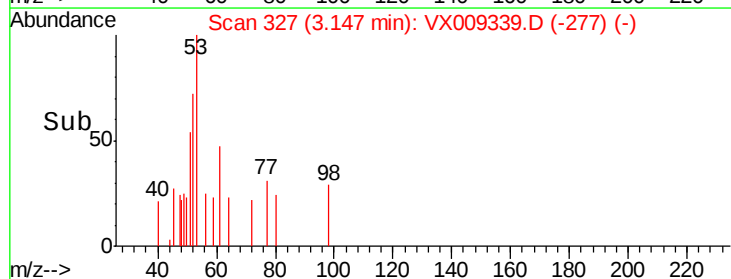
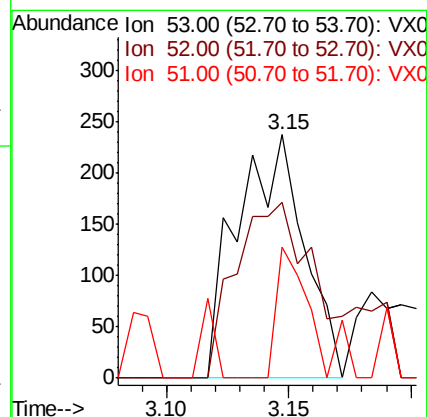
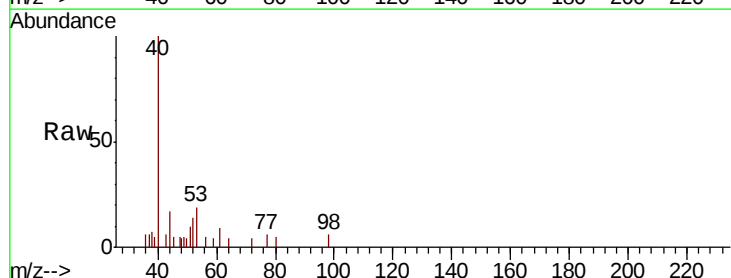
Tgt Ion: 53 Resp: 451

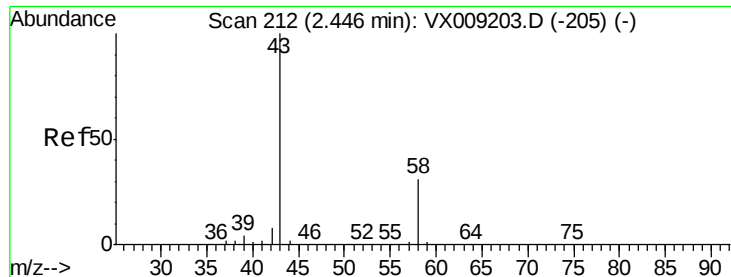
Ion Ratio Lower Upper

53 100

52 84.5 66.9 100.3

51 28.6 28.2 42.2





#16

Acetone

Concen: 0.613 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

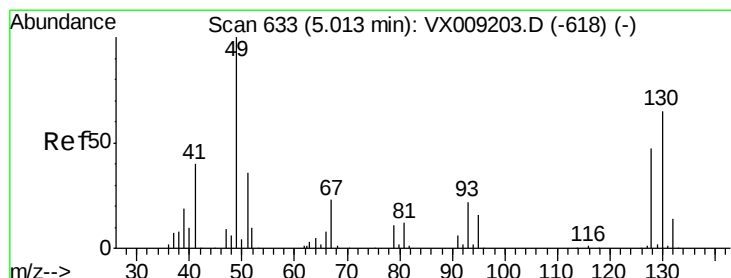
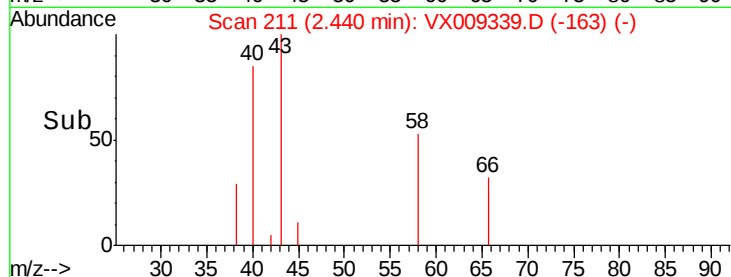
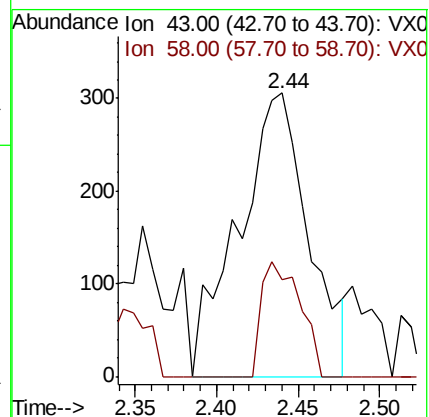
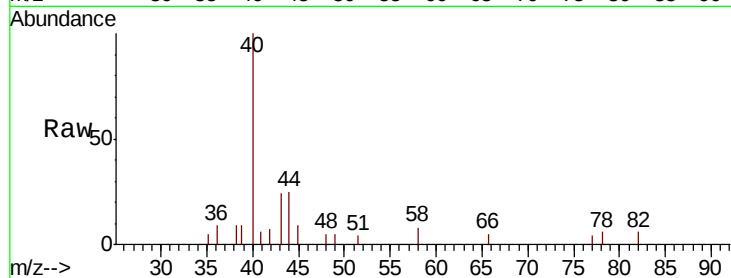
VX0506WBL01

Tot Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 34.0 24.9 37.3



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

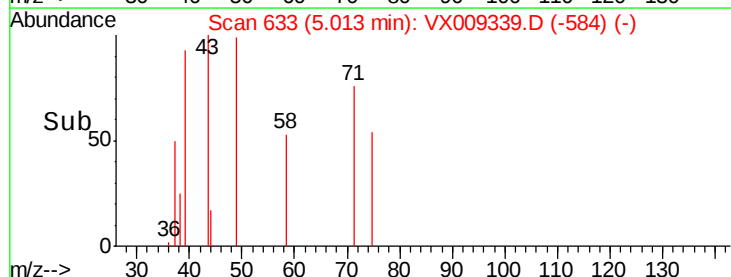
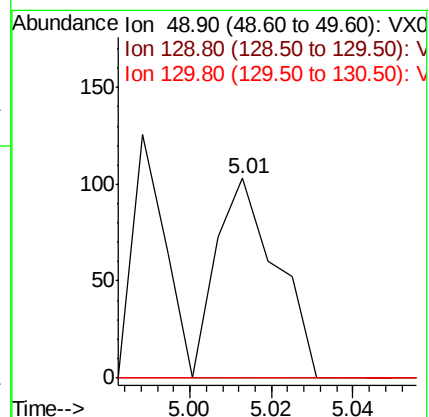
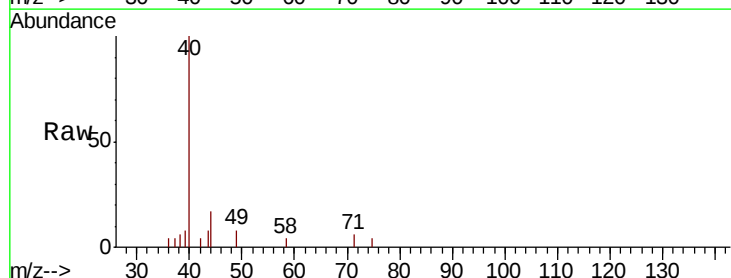
Tgt Ion: 49 Resp: 105

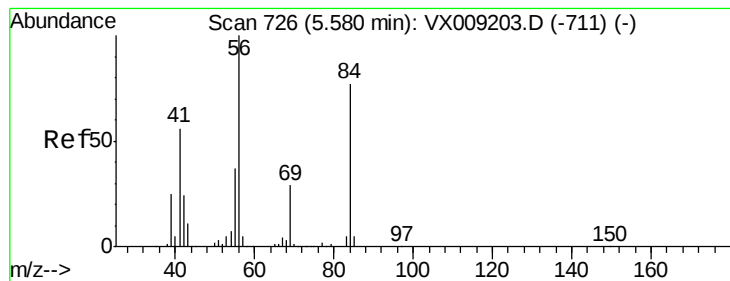
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBL01

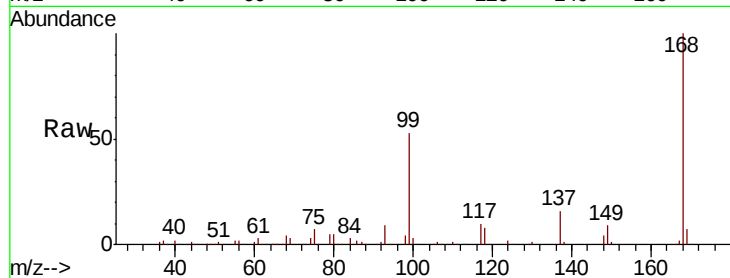
Tot Ion: 56 Resp: 4482

Ion Ratio Lower Upper

56 100

69 168.4 23.4 35.0#

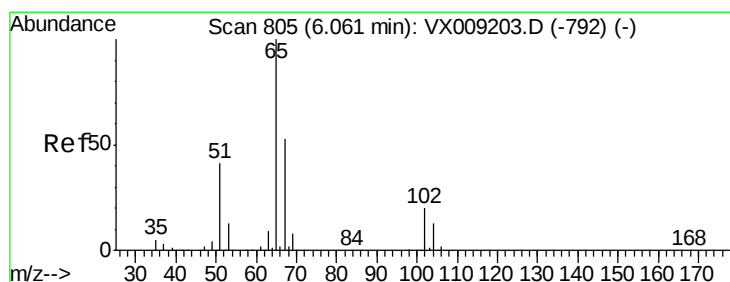
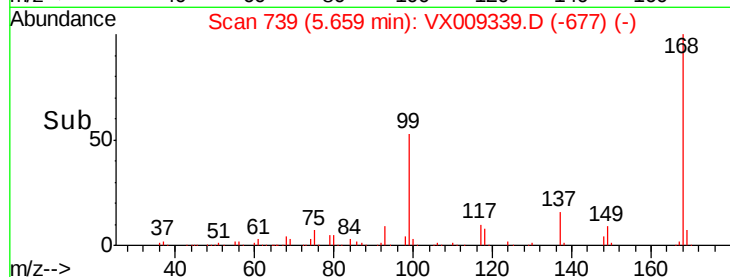
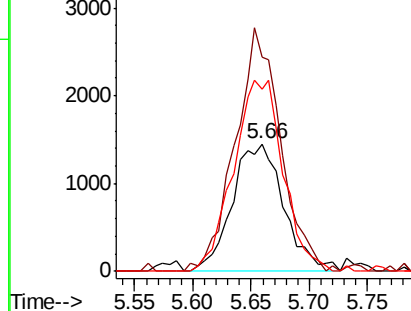
84 143.8 61.9 92.9#



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: 48.165 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009339.D

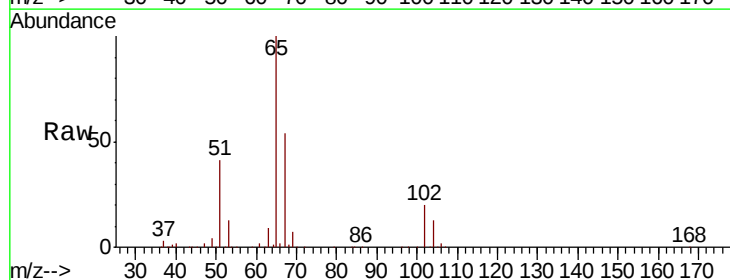
Acq: 06 May 2019 10:36

Tgt Ion: 65 Resp: 133943

Ion Ratio Lower Upper

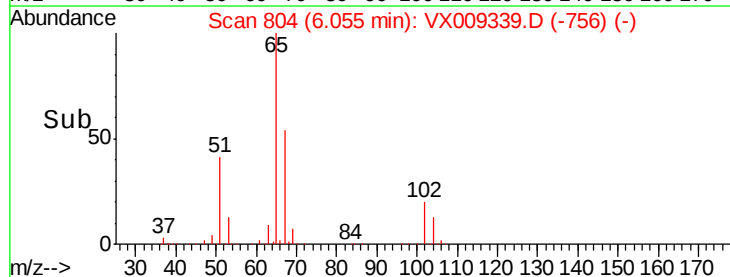
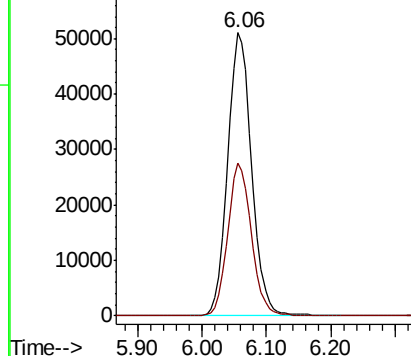
65 100

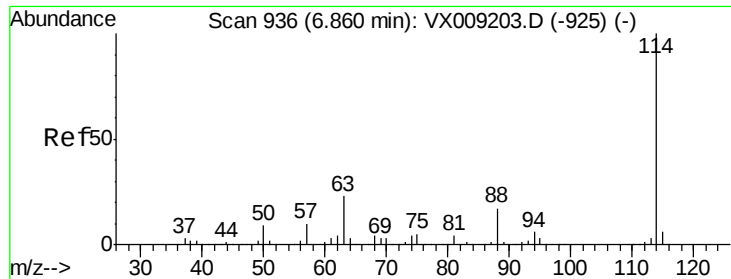
67 53.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

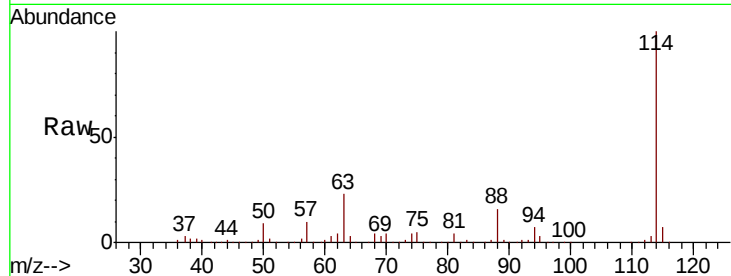




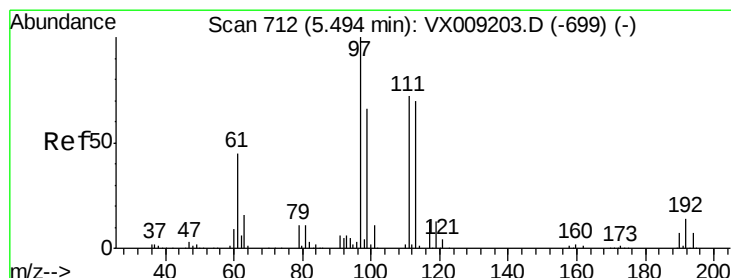
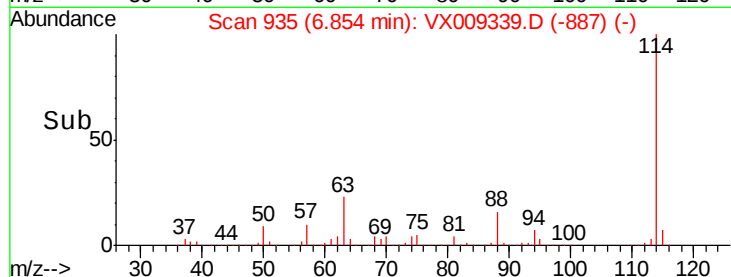
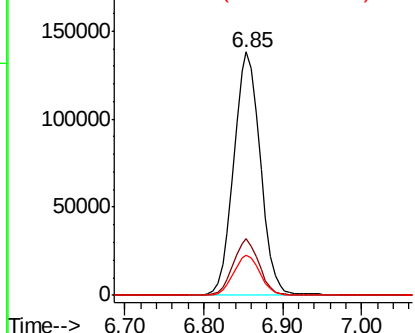
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX009339.D
Acq: 06 May 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

Tot Ion:114 Resp: 325281
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.6
88 16.4 0.0 33.2

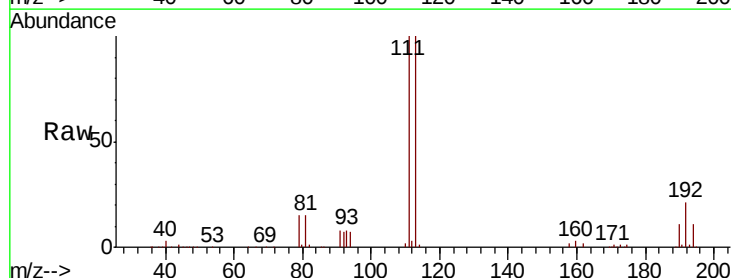


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

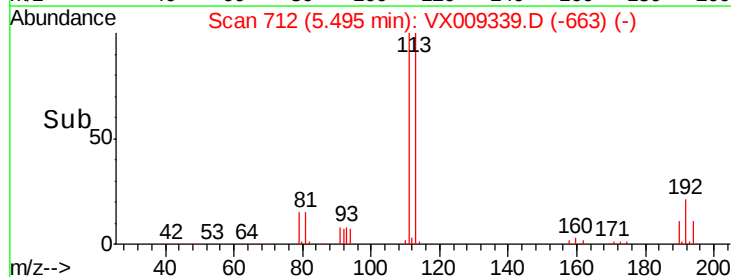
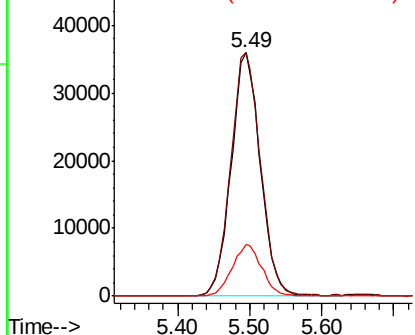


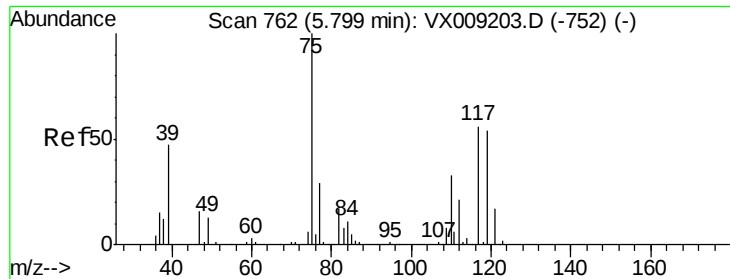
#35
Dibromofluoromethane
Concen: 49.432 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009339.D
Acq: 06 May 2019 10:36

Tgt Ion:113 Resp: 101080
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 21.5 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: 5.052 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBL01

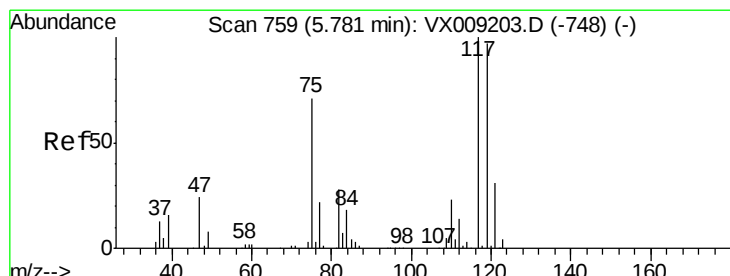
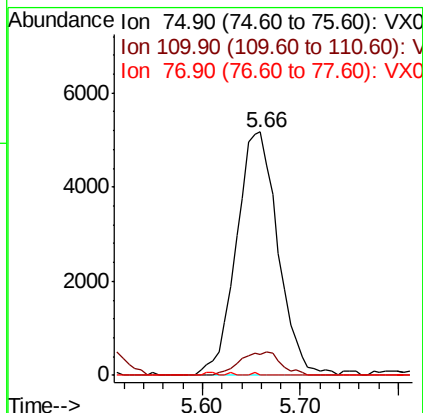
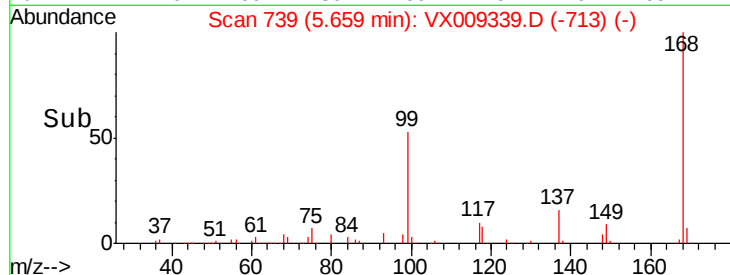
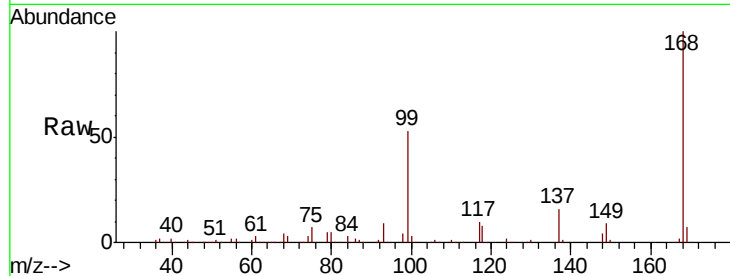
Tot Ion: 75 Resp: 15273

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.6#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.754 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

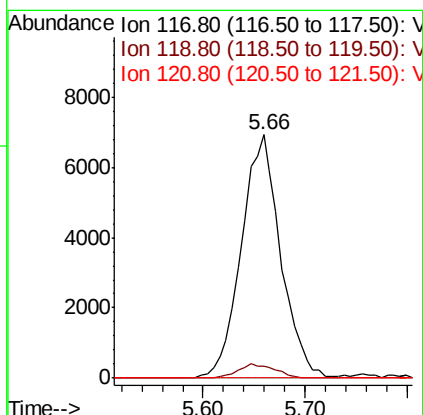
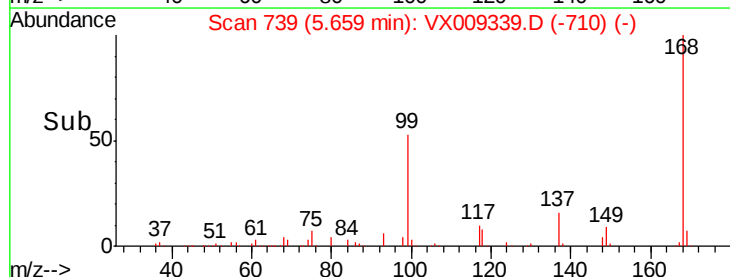
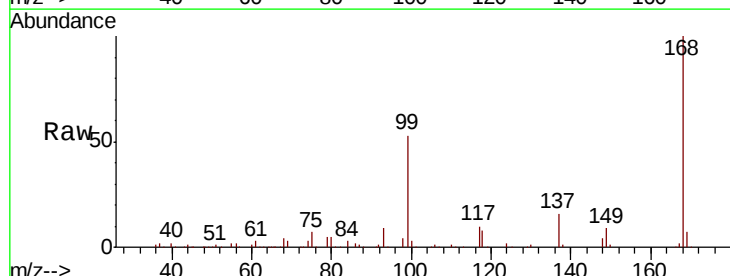
Tgt Ion: 117 Resp: 18551

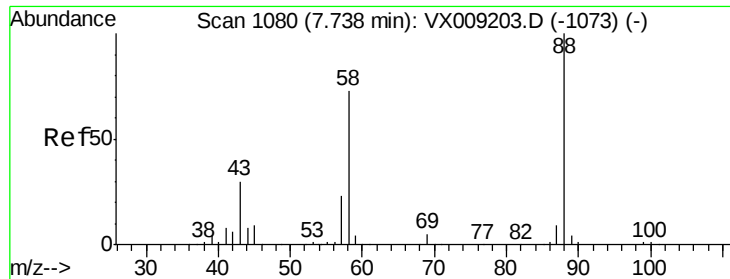
Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

121 0.0 24.7 37.1#

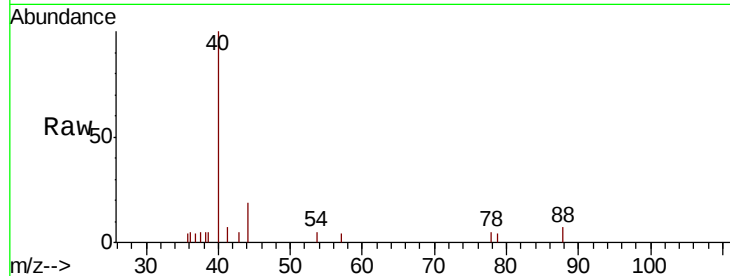




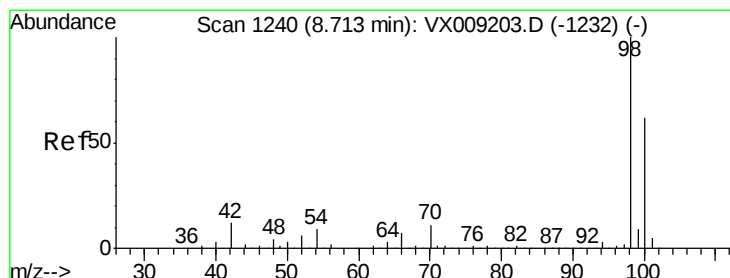
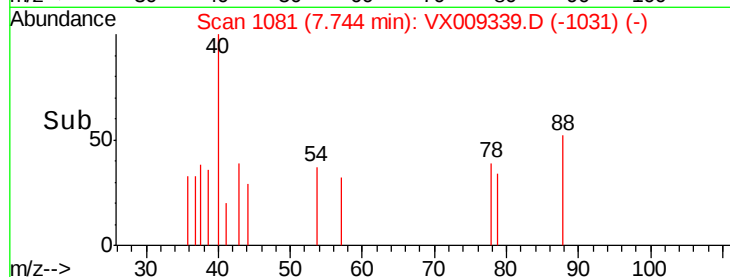
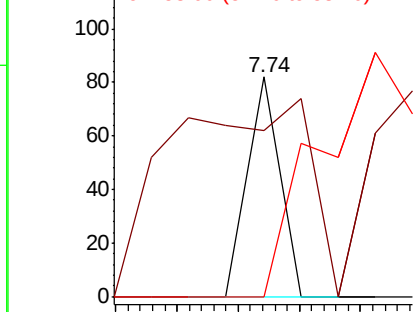
#49
1,4-Dioxane
Concen: 0.443 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009339.D
Acq: 06 May 2019 10:36

Instrument :
MSVOA_X
ClientSampleId :
VX0506WBL01

Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 390.0 28.6 42.8#
58 0.0 61.7 92.5#

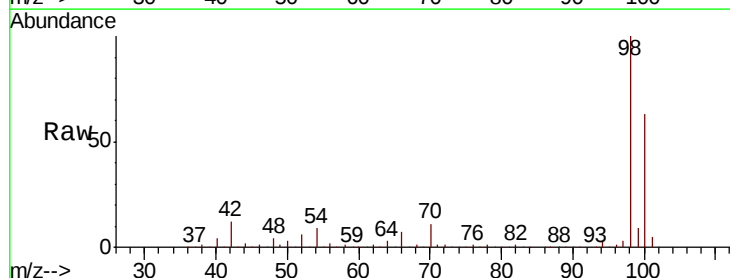


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

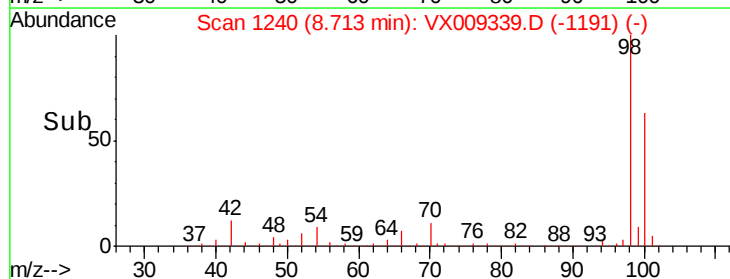
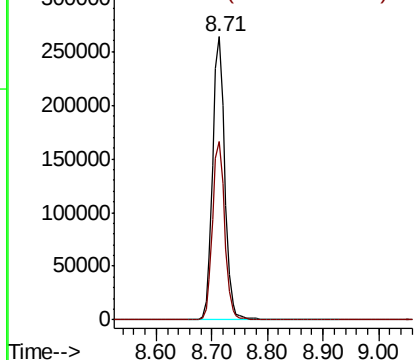


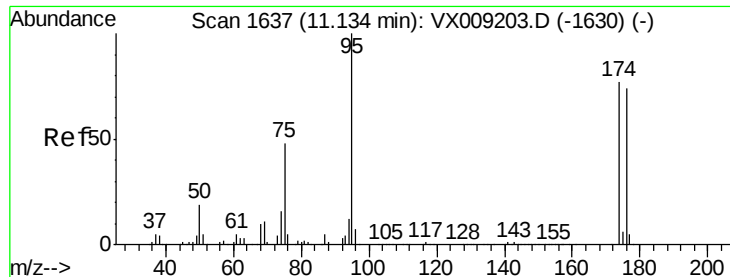
#50
Toluene-d8
Concen: 49.220 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009339.D
Acq: 06 May 2019 10:36

Tgt Ion: 98 Resp: 406340
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

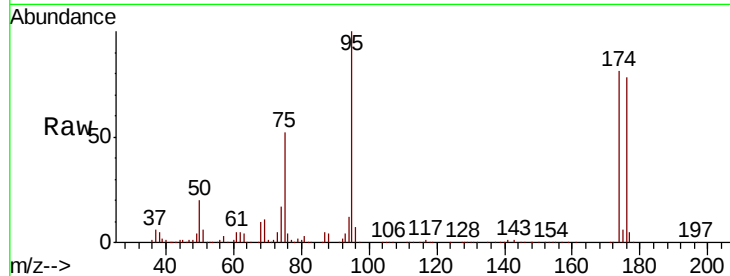




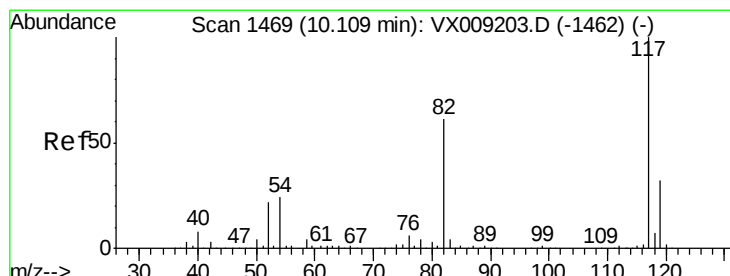
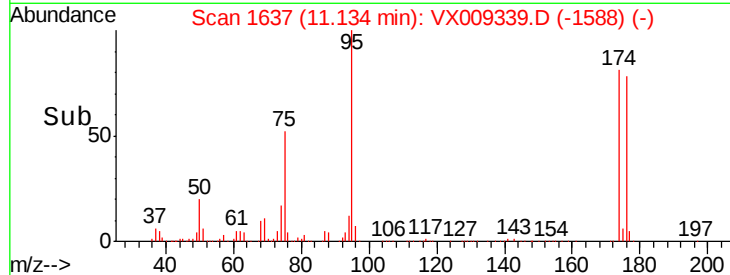
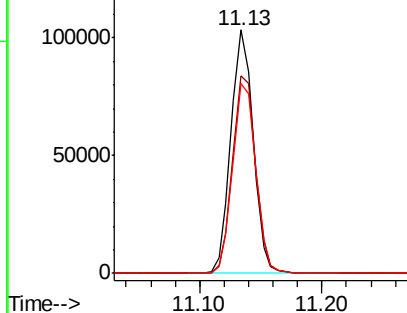
#62
4-Bromofluorobenzene
Concen: 43.349 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009339.D
Acq: 06 May 2019 10:36

Instrument :
MSVOA_X
ClientSampled :
VX0506WBL01

Tot Ion: 95 Resp: 130037
Ion Ratio Lower Upper
95 100
174 83.8 0.0 161.6
176 80.9 0.0 159.2

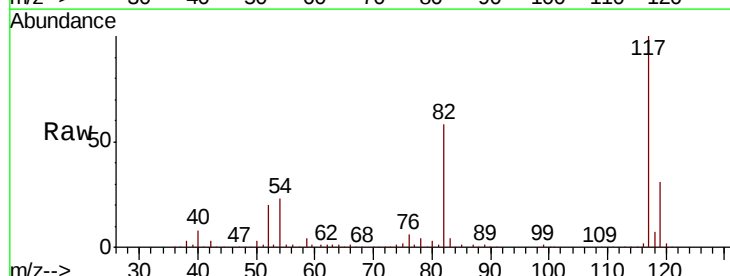


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

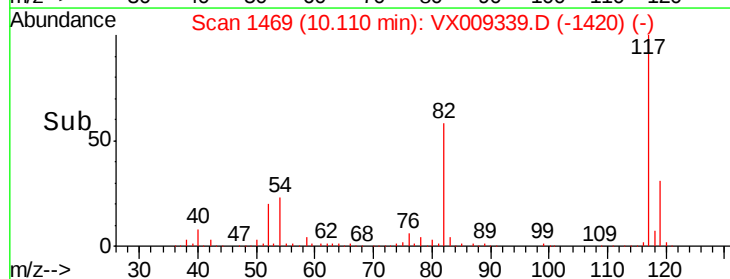
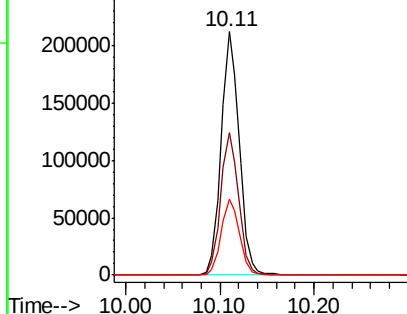


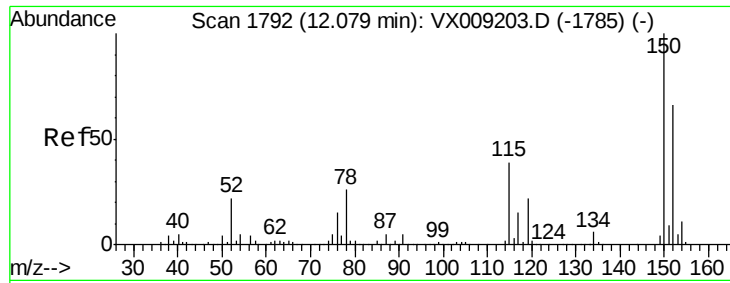
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009339.D
Acq: 06 May 2019 10:36

Tgt Ion: 117 Resp: 283514
Ion Ratio Lower Upper
117 100
82 58.3 48.8 73.2
119 31.4 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: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBL01

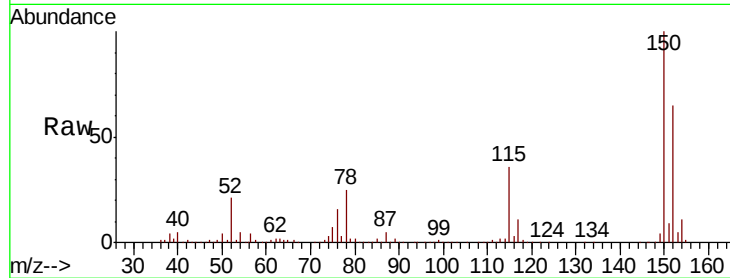
Tot Ion:152 Resp: 119401

Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

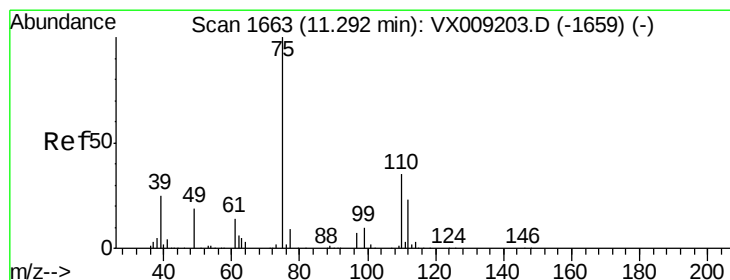
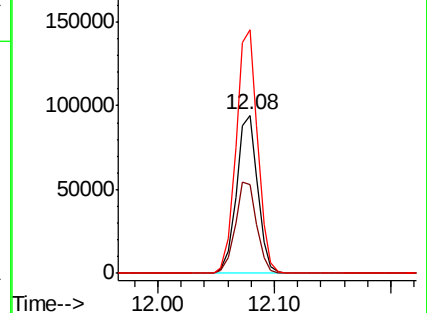
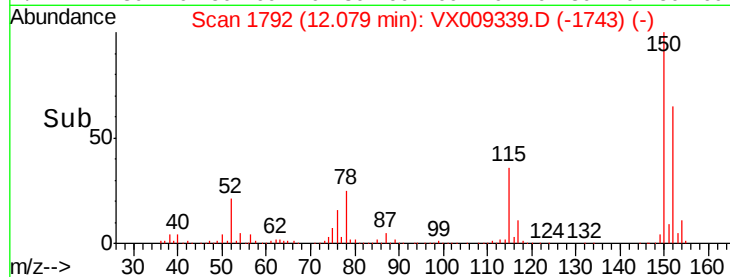
150 155.9 0.0 346.4



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: 23.928 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009339.D

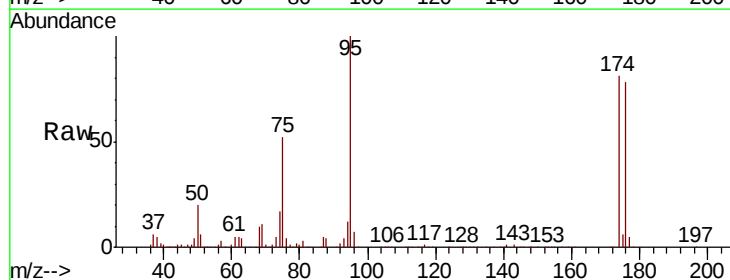
Acq: 06 May 2019 10:36

Tgt Ion: 75 Resp: 66274

Ion Ratio Lower Upper

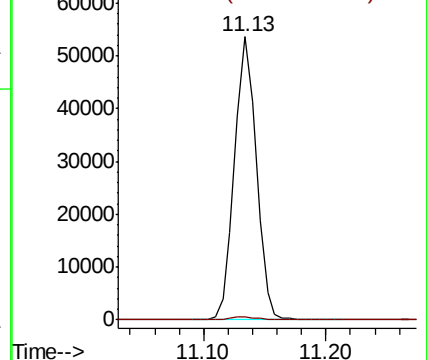
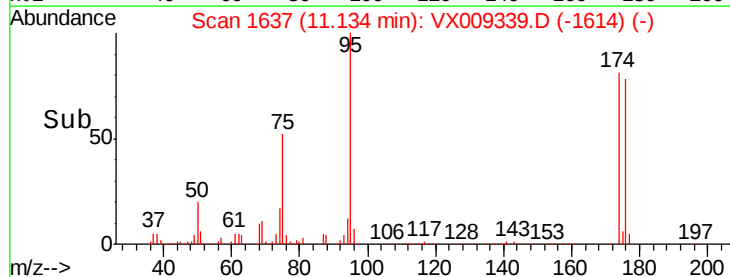
75 100

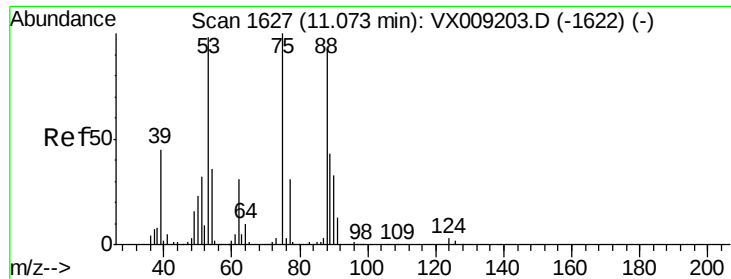
77 1.3 22.1 66.1#



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: 61.224 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009339.D

Acq: 06 May 2019 10:36

Instrument :

MSVOA_X

ClientSampleId :

VX0506WBL01

Tot Ion: 75 Resp: 66274

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

