

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042619\
 Data File : VX009179.D
 Acq On : 26 Apr 2019 11:03
 Operator : JC/SP
 Sample : VX0426MBL01
 Misc : 5.00µl/100µl/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426MBL01

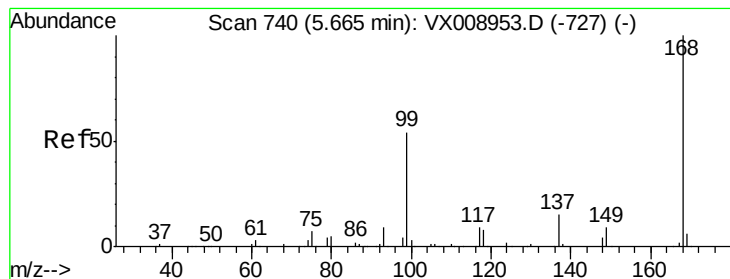
Quant Time: Apr 27 03:58:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	202124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	322079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	274896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113193	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	132163	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	5.49	113	99008	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
50) Toluene-d8	8.71	98	402672	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	127778	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	723	0.253	ug/l #	86
5) Bromomethane	1.66	94	526	4.127	ug/l	95
10) Methyl Iodide	2.51	142	375	4.565	ug/l #	86
11) Tert butyl alcohol	3.04	59	219	0.346	ug/l #	79
13) Acrolein	2.30	56	267	0.489	ug/l #	32
15) Acrylonitrile	3.14	53	548	0.341	ug/l #	46
16) Acetone	2.45	43	860	0.582	ug/l #	88
17) Carbon Disulfide	2.57	76	1538	1.488	ug/l #	73
18) Methyl Acetate	2.78	43	754	0.205	ug/l #	61
20) Methylene Chloride	2.85	84	508	0.201	ug/l #	82
28) Bromochloromethane	5.03	49	176	Below Cal	#	21
36) 1,1-Dichloropropene	5.66	75	15701	4.714	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19133	6.775	ug/l #	17
49) 1,4-Dioxane	7.76	88	26	0.407	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65283	23.619	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65283	60.638	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

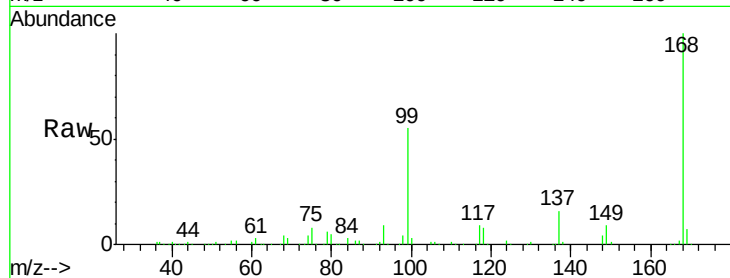
VX0426MBL01

Tot Ion:168 Resp: 202124

Ion Ratio Lower Upper

168 100

99 55.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

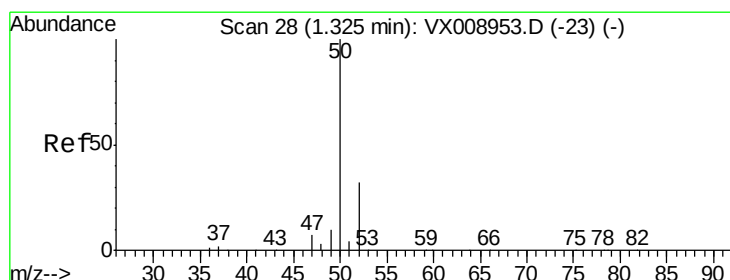
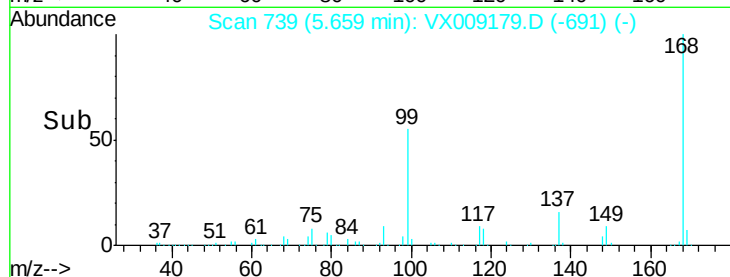
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009179.D

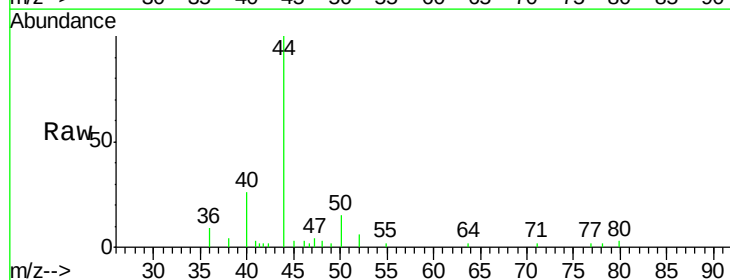
Acq: 26 Apr 2019 11:03

Tgt Ion: 50 Resp: 723

Ion Ratio Lower Upper

50 100

52 39.9 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

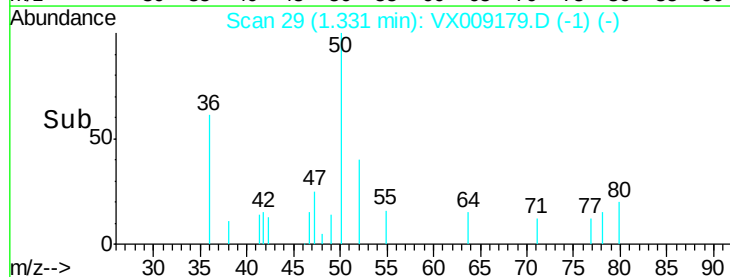
300

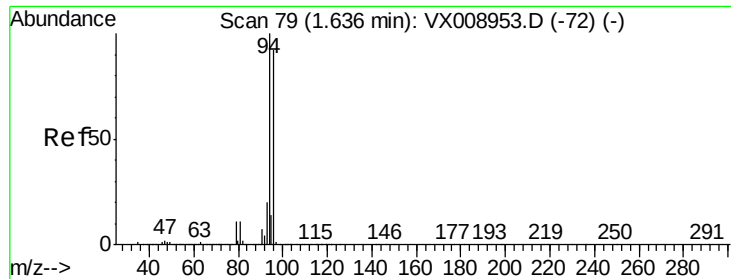
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 4.127 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

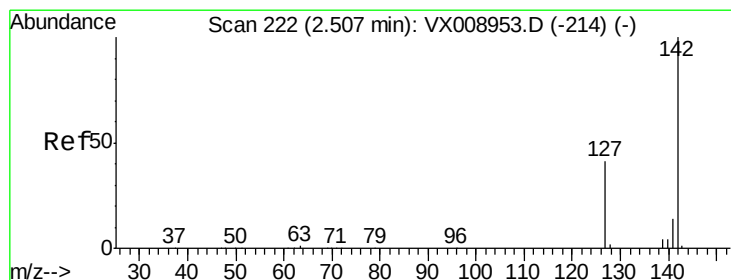
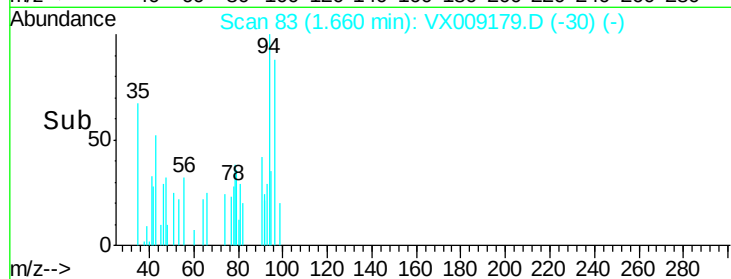
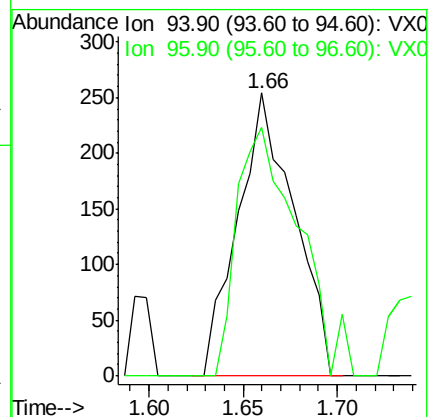
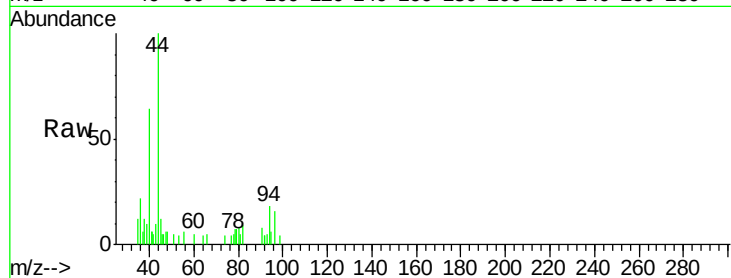
VX0426MBL01

Tot Ion: 94 Resp: 526

Ion Ratio Lower Upper

94 100

96 87.8 73.9 110.9



#10

Methyl Iodide

Concen: 4.565 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

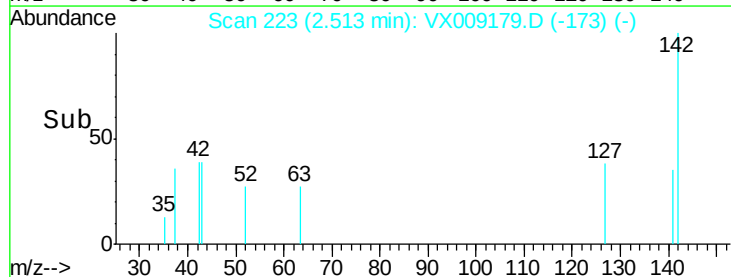
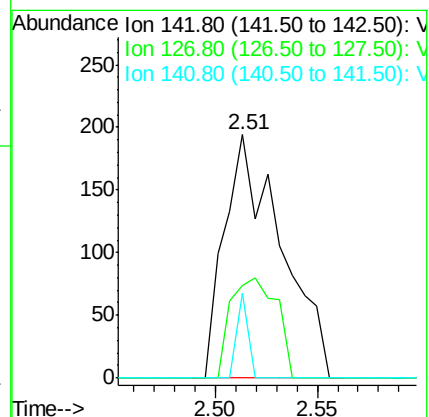
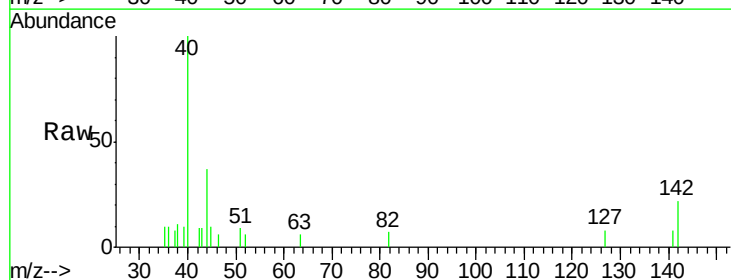
Tgt Ion: 142 Resp: 375

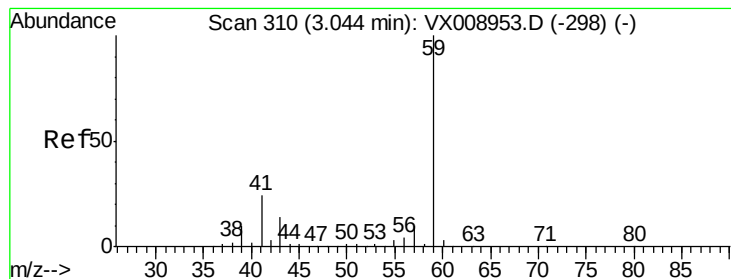
Ion Ratio Lower Upper

142 100

127 33.3 32.8 49.2

141 6.7 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.346 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

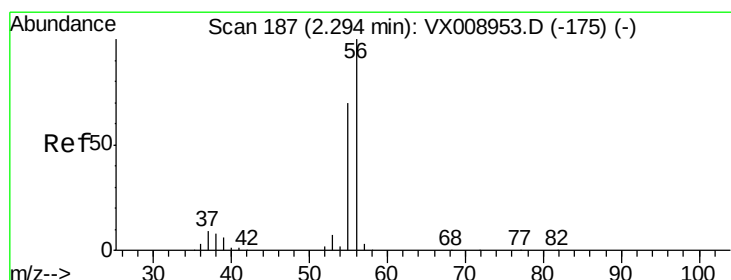
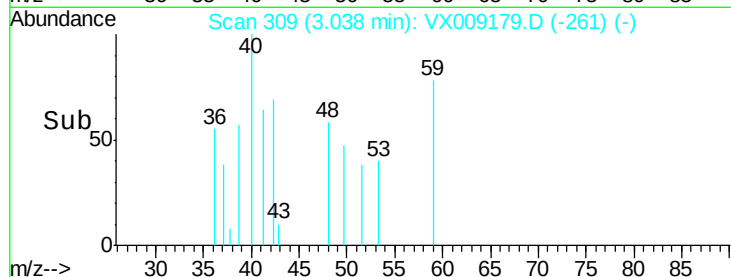
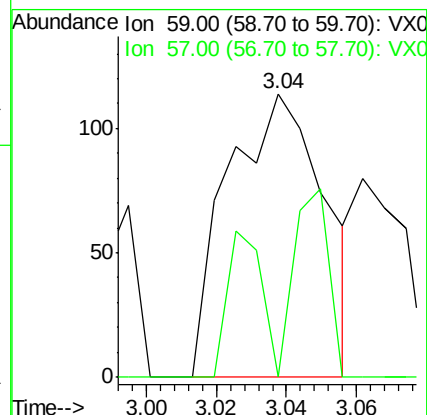
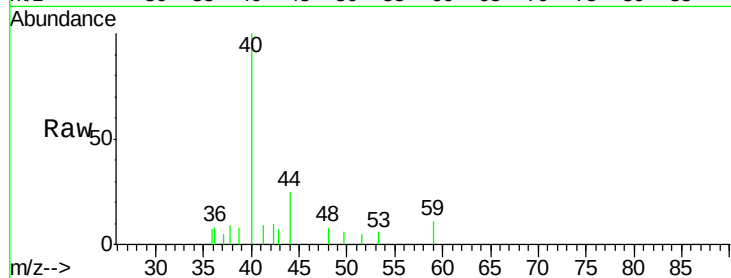
VX0426MBL01

Tot Ion: 59 Resp: 219

Ion Ratio Lower Upper

59 100

57 18.3 8.4 12.6#



#13

Acrolein

Concen: 0.489 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009179.D

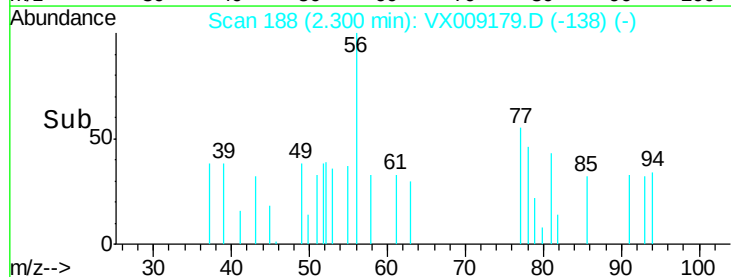
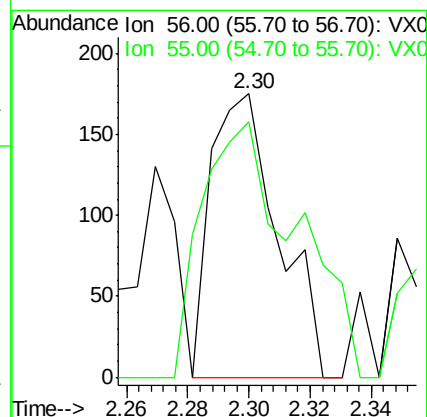
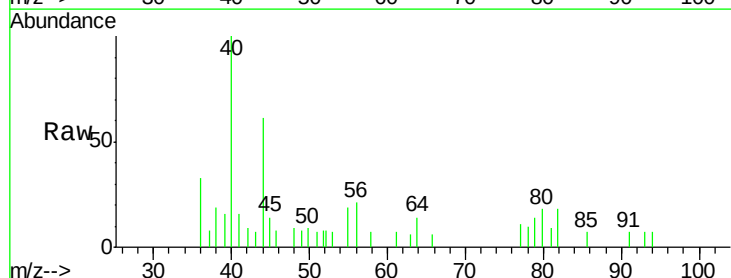
Acq: 26 Apr 2019 11:03

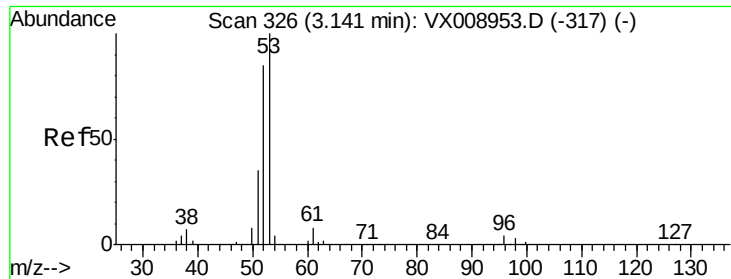
Tgt Ion: 56 Resp: 267

Ion Ratio Lower Upper

56 100

55 127.0 56.6 84.8#





#15

Acrylonitrile

Concen: 0.341 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0426MBL01

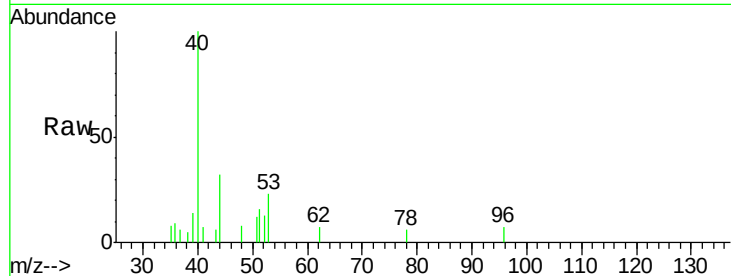
Tot Ion: 53 Resp: 548

Ion Ratio Lower Upper

53 100

52 37.2 66.6 100.0#

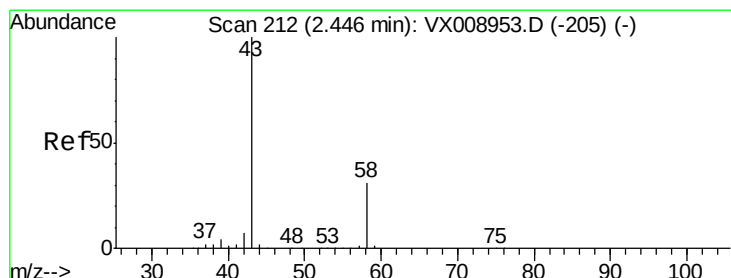
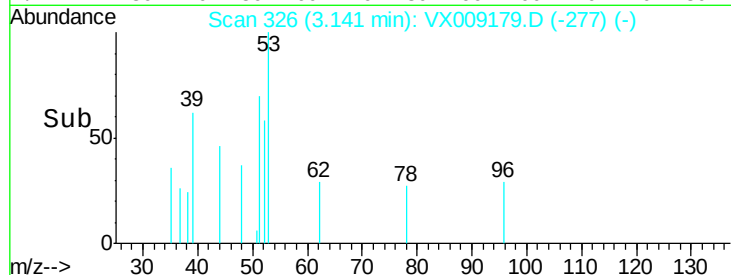
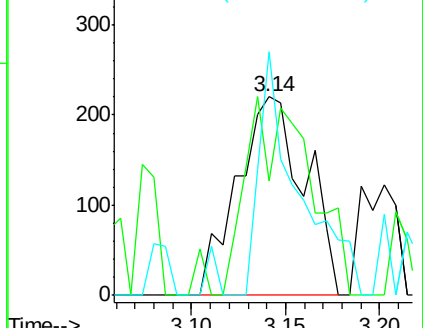
51 71.5 28.3 42.5#



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: 0.582 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009179.D

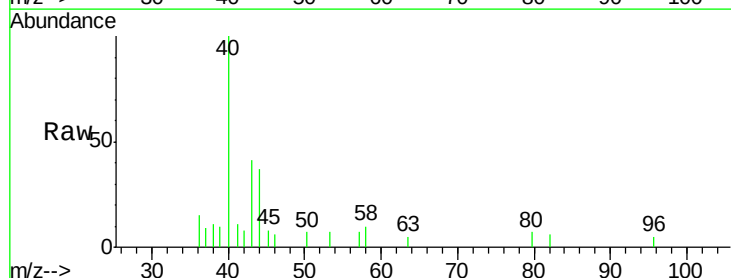
Acq: 26 Apr 2019 11:03

Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

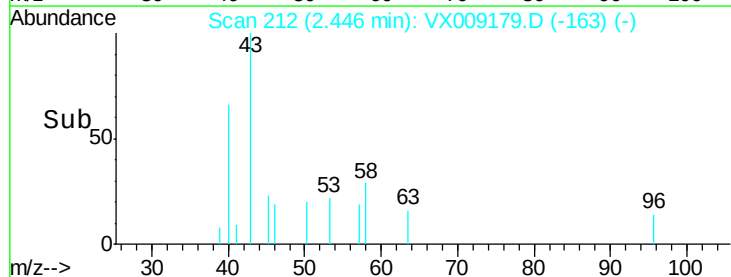
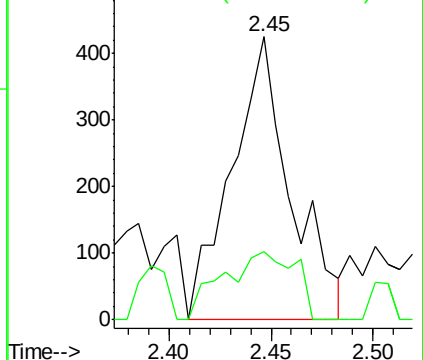
43 100

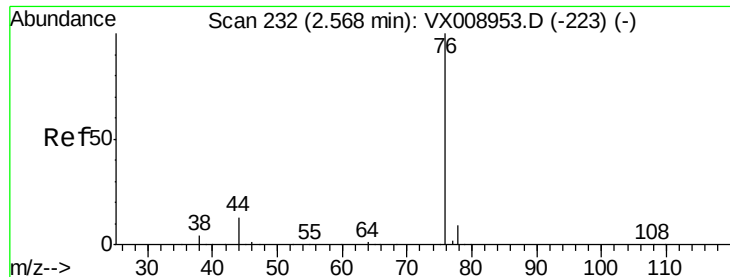
58 24.2 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.488 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

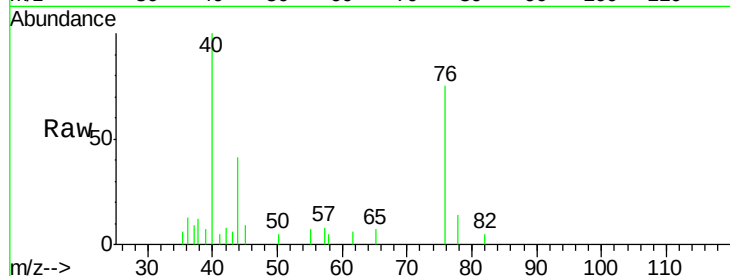
VX0426MBL01

Tot Ion: 76 Resp: 1538

Ion Ratio Lower Upper

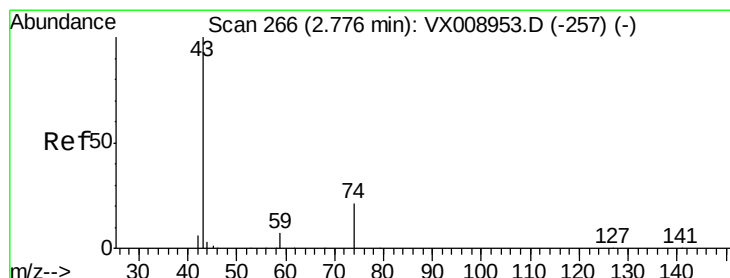
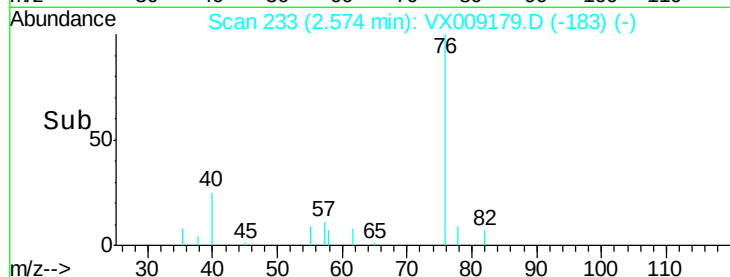
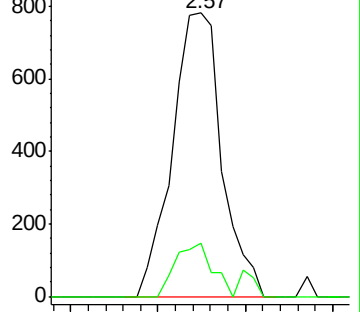
76 100

78 18.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.205 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009179.D

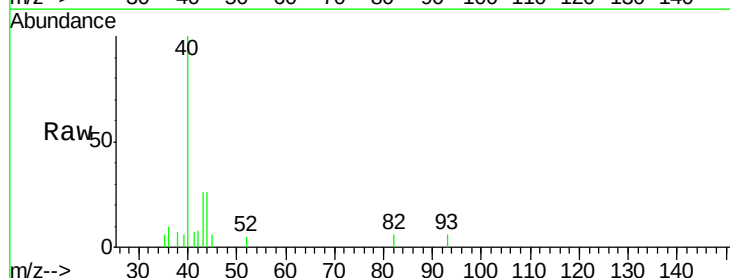
Acq: 26 Apr 2019 11:03

Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

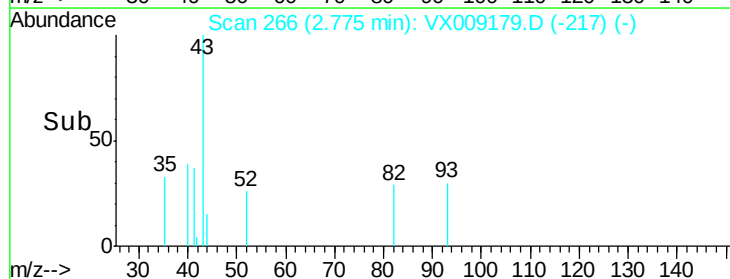
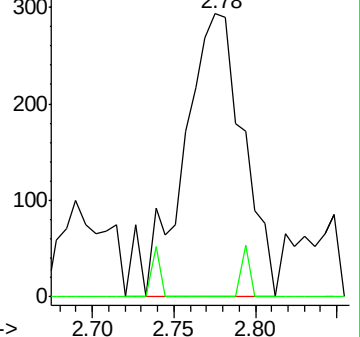
43 100

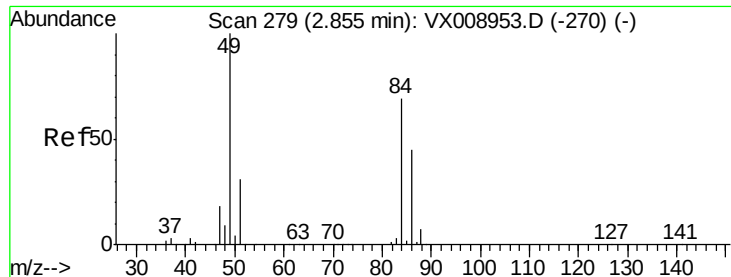
74 2.5 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

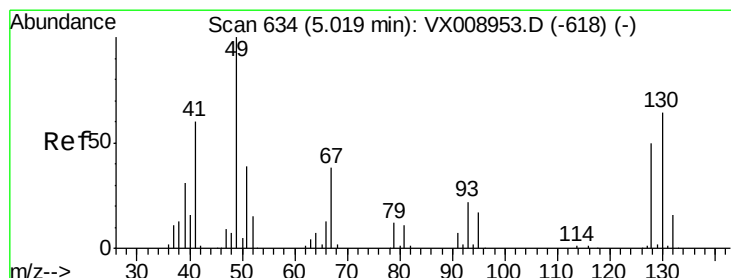
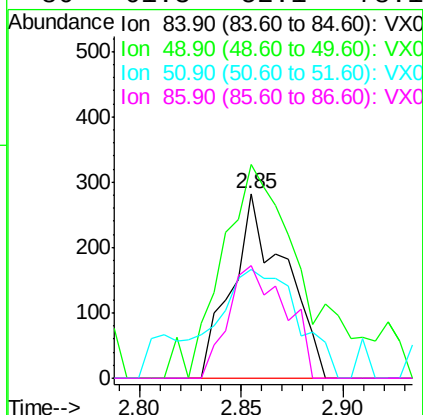
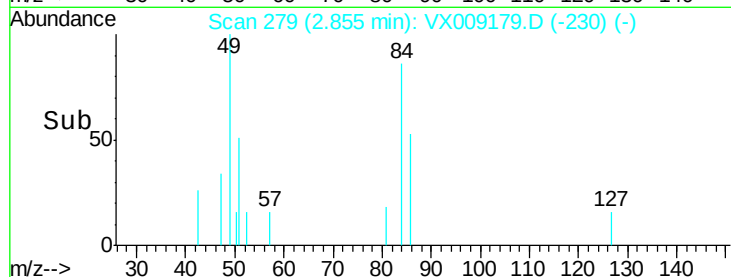
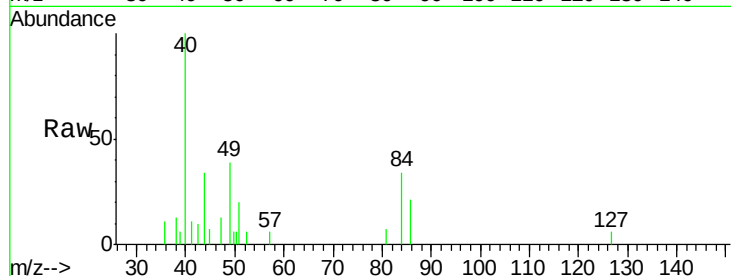




#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009179.D
Acq: 26 Apr 2019 11:03

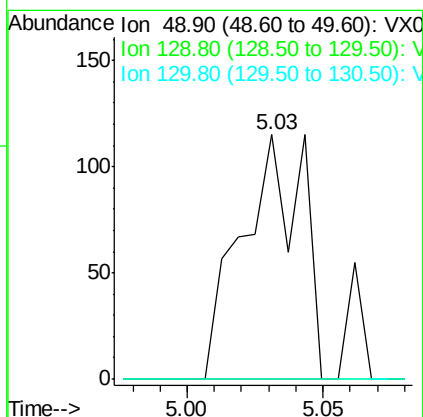
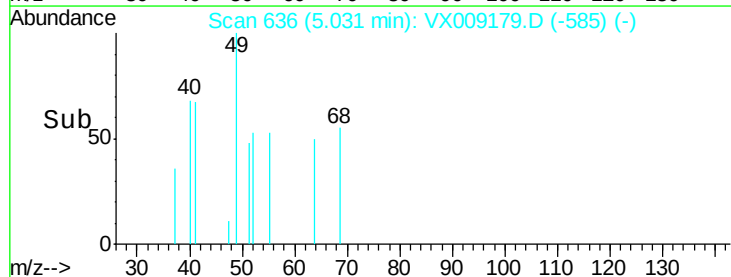
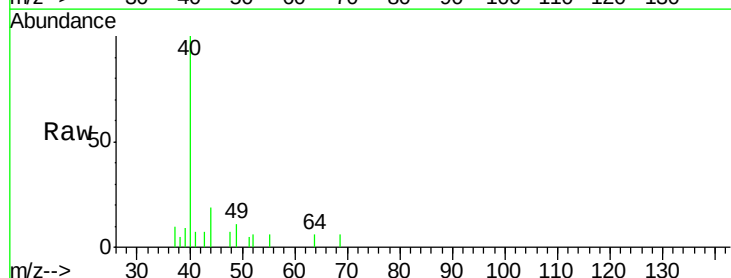
Instrument :
MSVOA_X
ClientSampleId :
VX0426MBL01

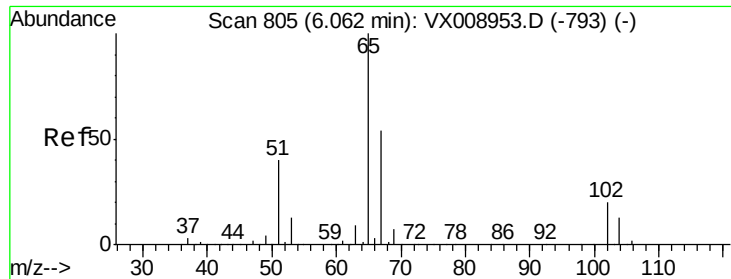
Tot Ion: 84 Resp: 508
Ion Ratio Lower Upper
84 100
49 116.0 115.4 173.0
51 59.2 35.8 53.6#
86 61.3 52.1 78.1



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX009179.D
Acq: 26 Apr 2019 11:03

Tgt Ion: 49 Resp: 176
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#

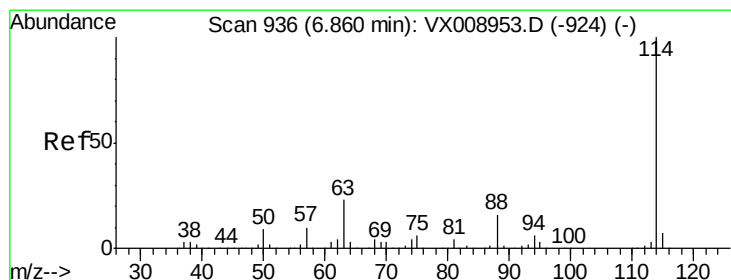
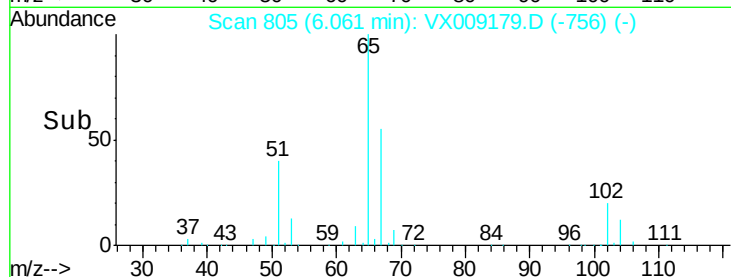
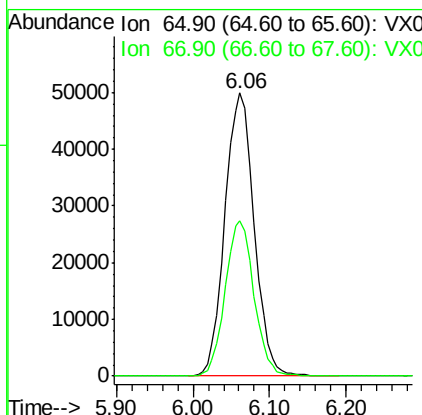
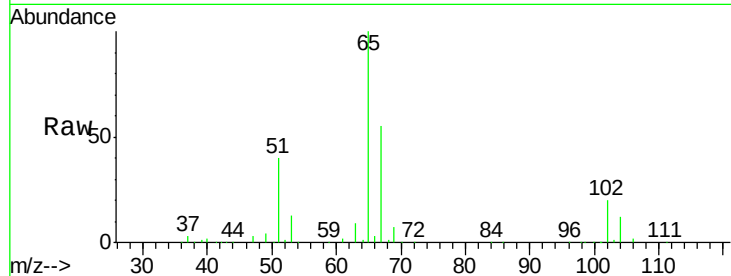




#33
 1,2-Dichloroethane-d4
 Concen: 46.397 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009179.D
 Acq: 26 Apr 2019 11:03

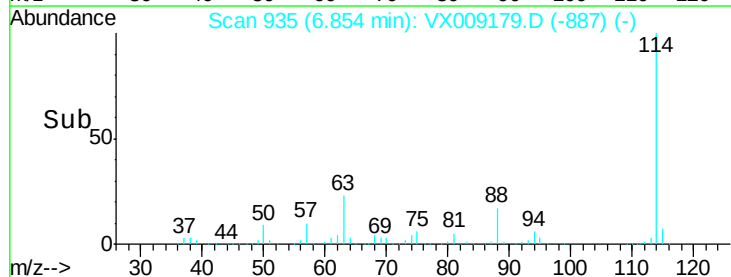
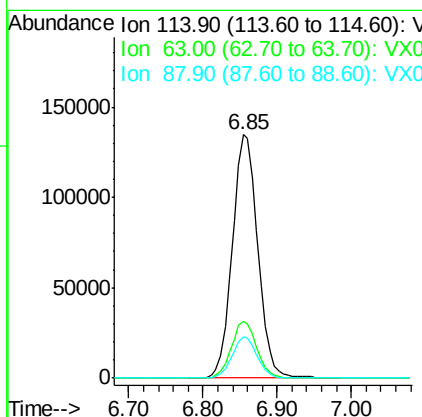
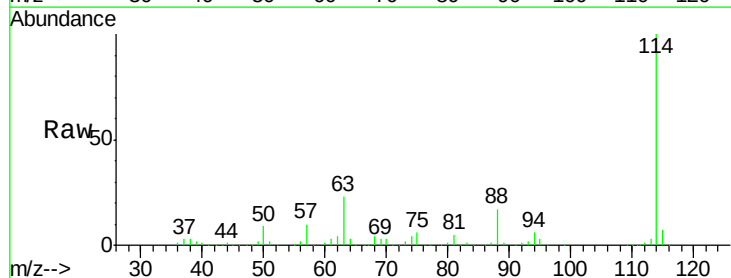
Instrument :
 MSVOA_X
 ClientSampled :
 VX0426MBL01

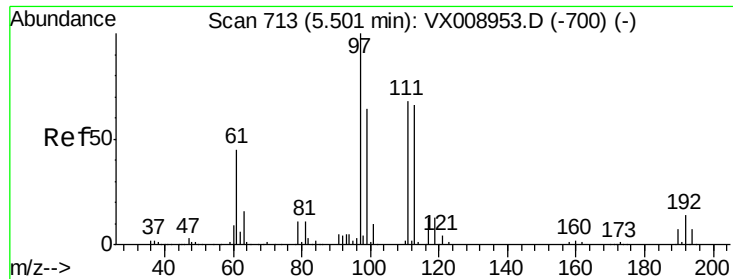
Tot Ion: 65 Resp: 132163
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009179.D
 Acq: 26 Apr 2019 11:03

Tgt Ion: 114 Resp: 322079
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.0
 88 16.9 0.0 32.6

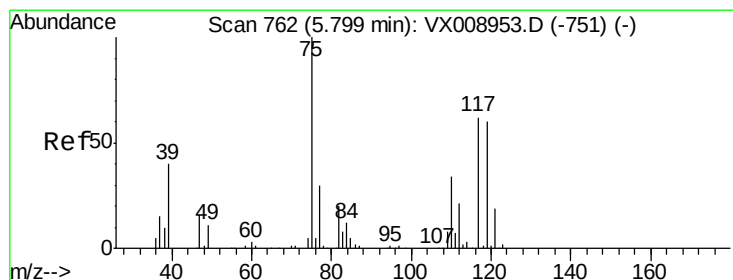
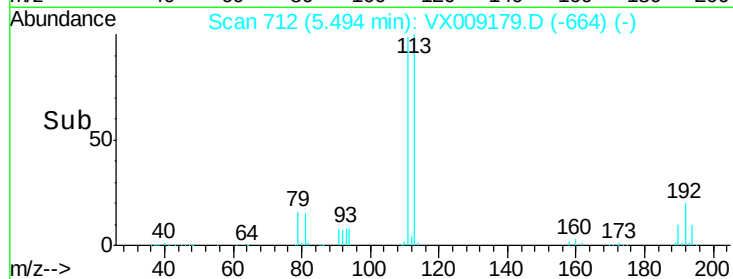
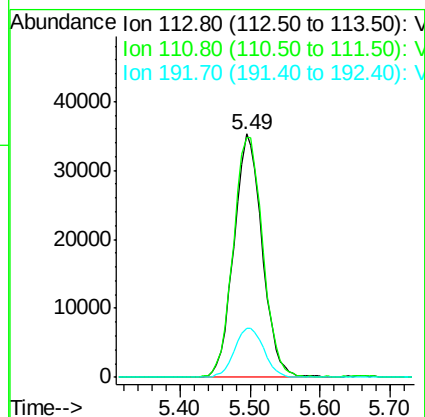
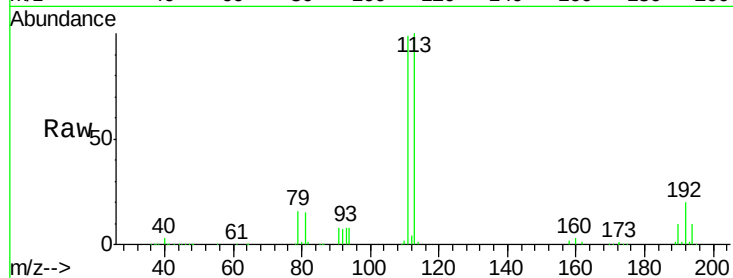




#35
 Dibromofluoromethane
 Concen: 47.899 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX009179.D
 Acq: 26 Apr 2019 11:03

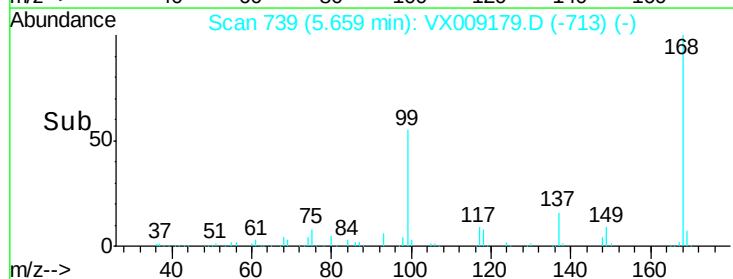
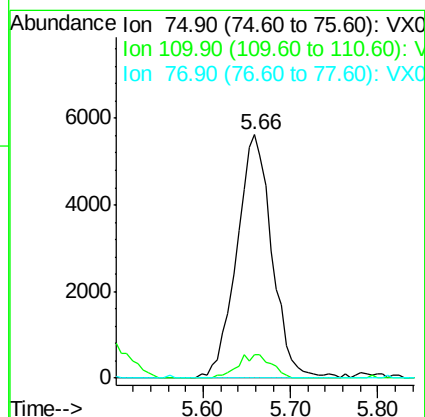
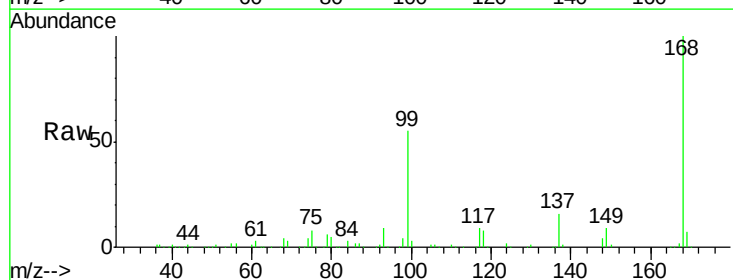
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426MBL01

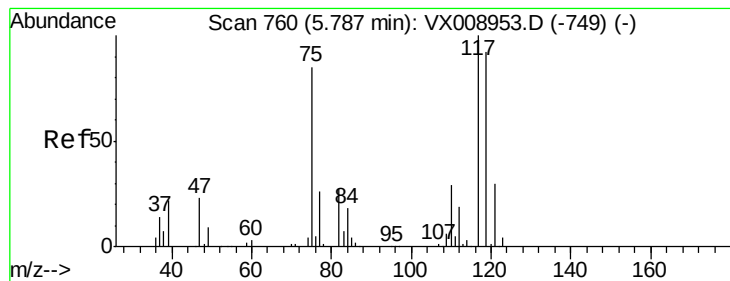
Tot Ion:113 Resp: 99008
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 21.2 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.714 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009179.D
 Acq: 26 Apr 2019 11:03

Tgt Ion: 75 Resp: 15701
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.775 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0426MBL01

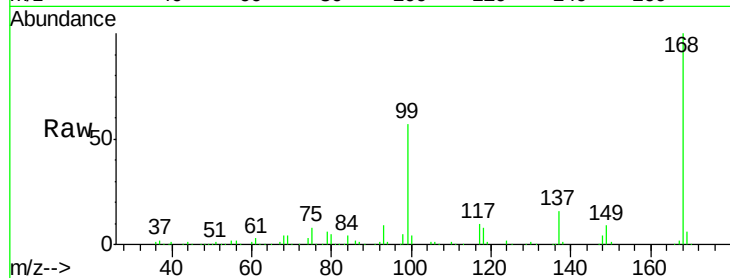
Tot Ion:117 Resp: 19133

Ion Ratio Lower Upper

117 100

119 5.0 73.8 110.8#

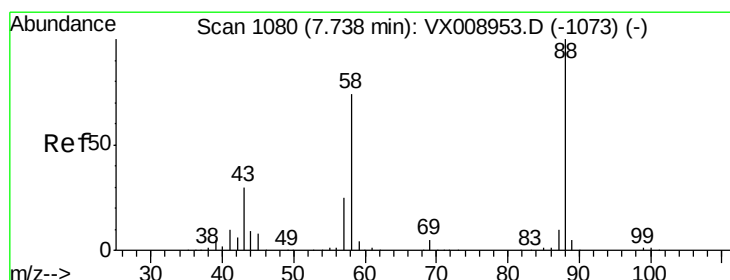
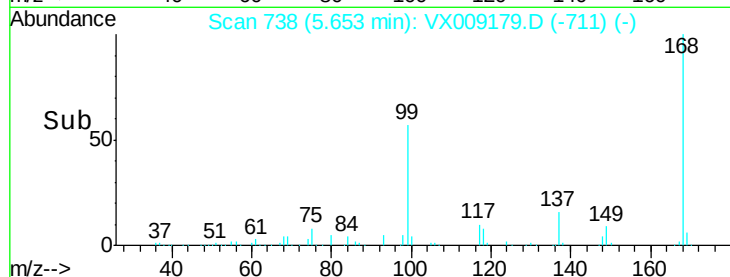
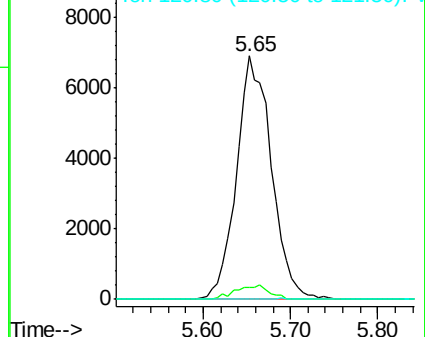
121 0.0 23.6 35.4#



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: 0.407 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

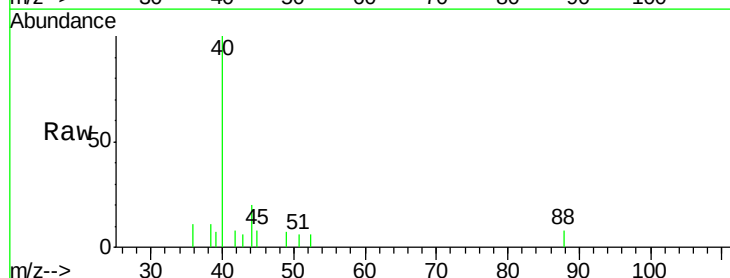
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 665.4 29.3 43.9#

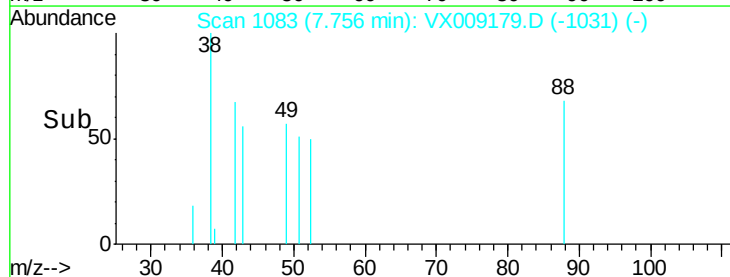
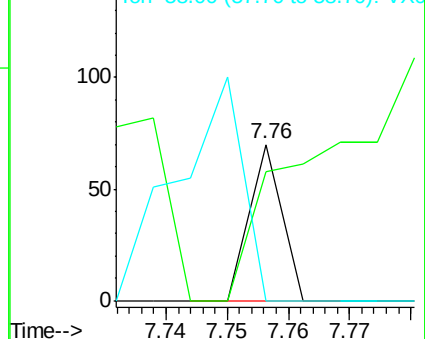
58 288.5 62.6 93.8#

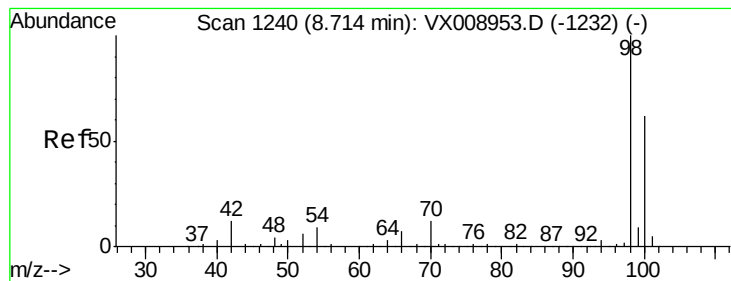


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.848 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

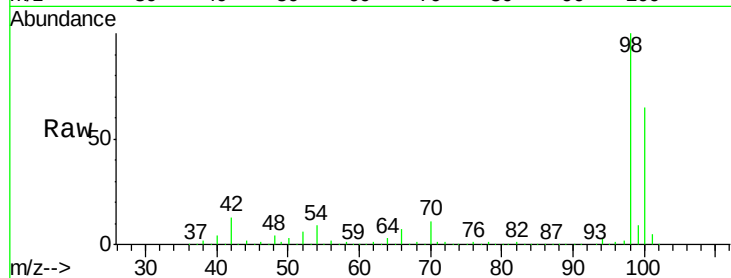
VX0426MBL01

Tot Ion: 98 Resp: 402672

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

300000

250000

200000

150000

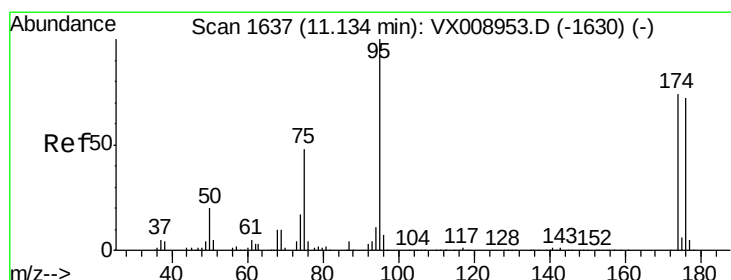
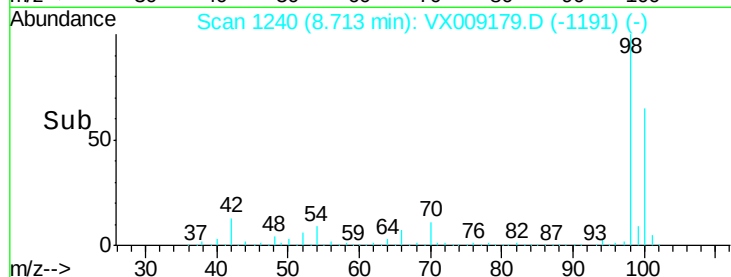
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 43.911 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

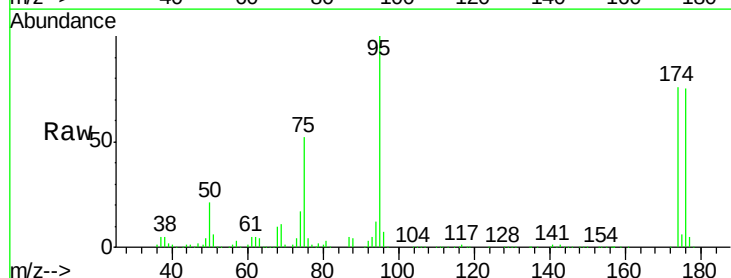
Tgt Ion: 95 Resp: 127778

Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.6

176 78.5 0.0 154.8



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

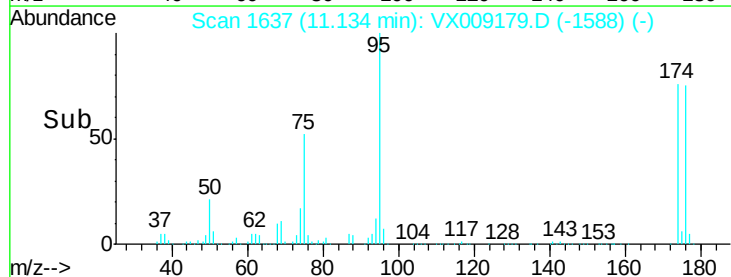
100000

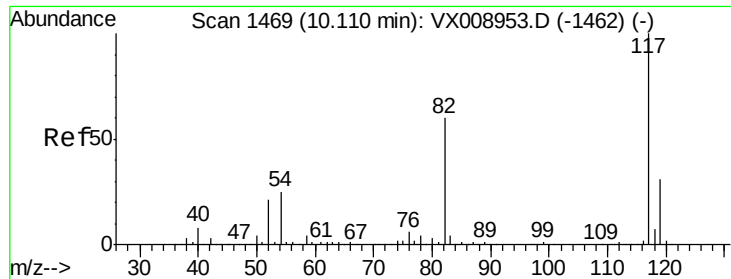
50000

0

11.10 11.20

Time-->

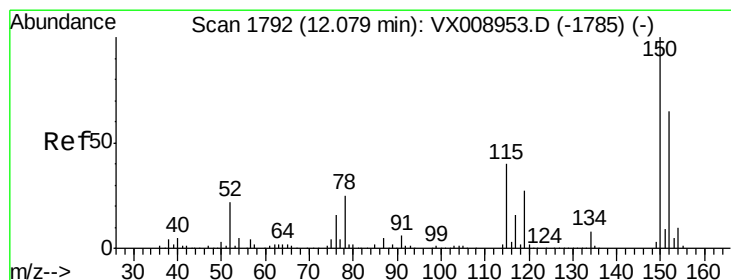
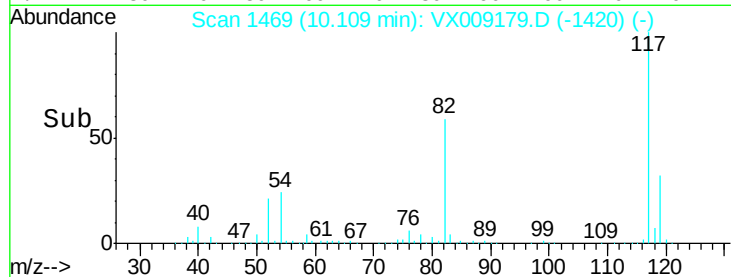
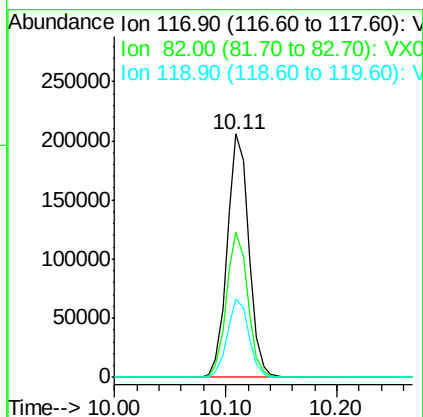
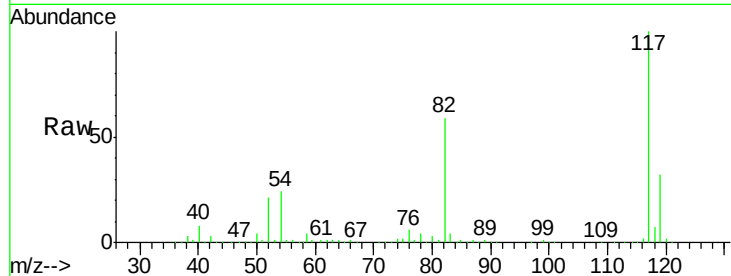




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009179.D
Acq: 26 Apr 2019 11:03

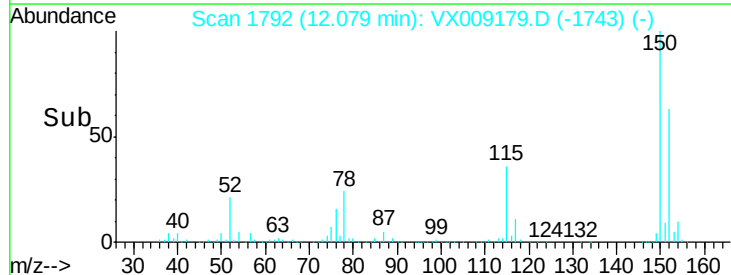
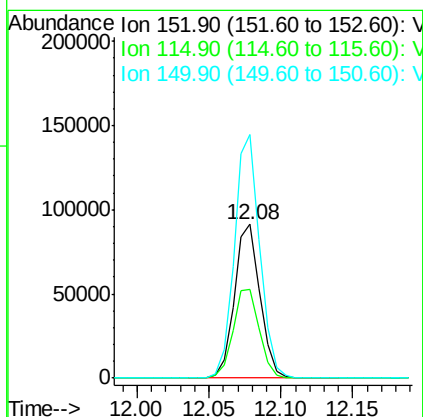
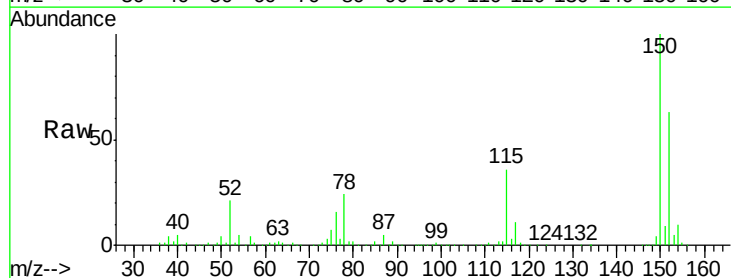
Instrument :
MSVOA_X
ClientSampled :
VX0426MBL01

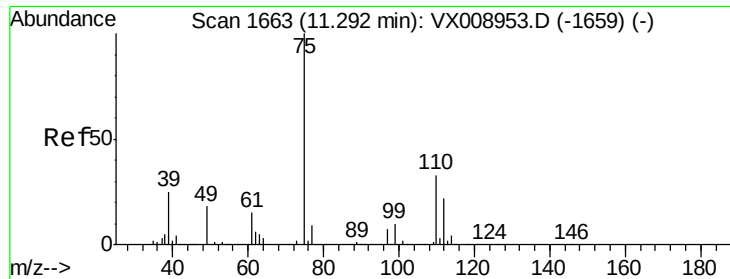
Tot Ion:117 Resp: 274896
Ion Ratio Lower Upper
117 100
82 59.4 48.2 72.4
119 32.1 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009179.D
Acq: 26 Apr 2019 11:03

Tgt Ion:152 Resp: 113193
Ion Ratio Lower Upper
152 100
115 59.8 41.4 124.2
150 157.6 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 23.619 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

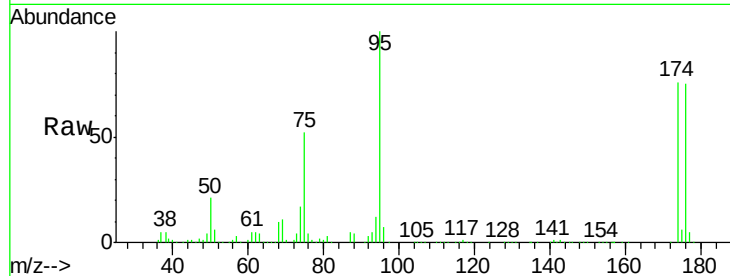
VX0426MBL01

Tot Ion: 75 Resp: 65283

Ion Ratio Lower Upper

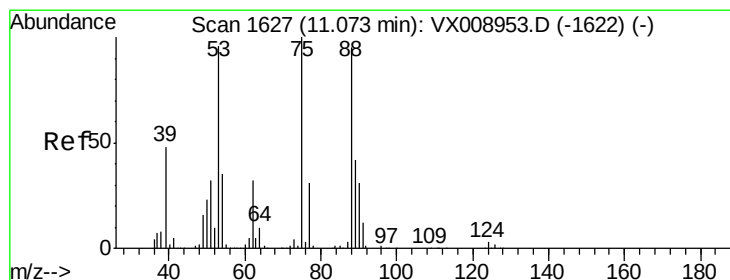
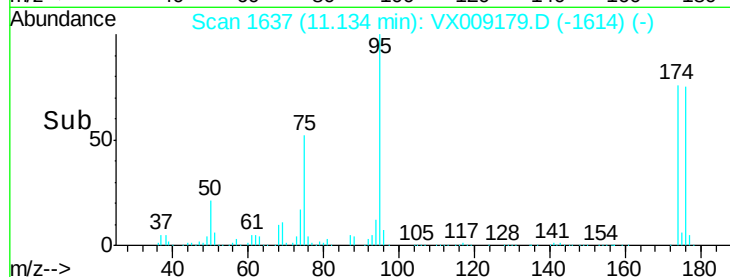
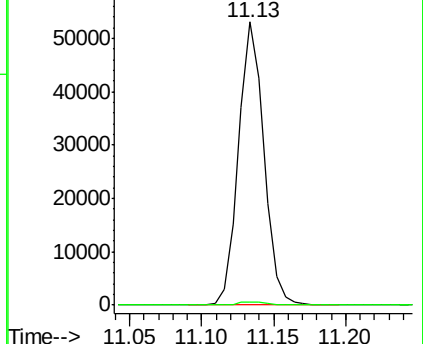
75 100

77 1.3 22.7 68.0#



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: 60.638 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009179.D

Acq: 26 Apr 2019 11:03

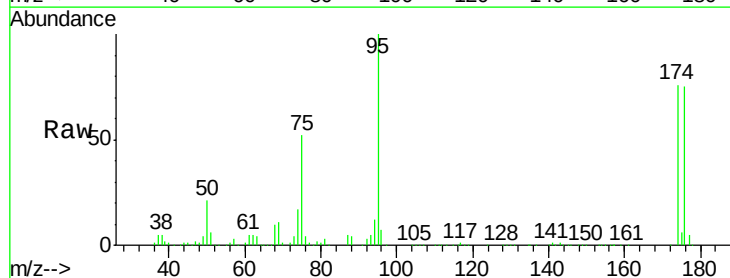
Tgt Ion: 75 Resp: 65283

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

