

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009155.D
 Acq On : 25 Apr 2019 12:15
 Operator : JC/SP
 Sample : VX0425WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

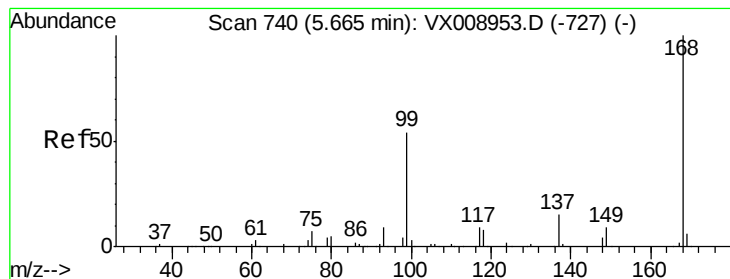
Quant Time: Apr 26 04:22:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	221615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	308020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130168	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	146858	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
35) Dibromofluoromethane	5.50	113	108383	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	8.71	98	442381	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.13	95	148710	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	633	4.154	ug/l #	27
6) Chloroethane	1.64	64	7803	4.351	ug/l #	50
10) Methyl Iodide	2.51	142	146	4.468	ug/l #	73
11) Tert butyl alcohol	3.04	59	185	0.267	ug/l	99
13) Acrolein	2.30	56	191	0.319	ug/l	87
15) Acrylonitrile	3.14	53	362	0.206	ug/l #	73
16) Acetone	2.44	43	684	0.422	ug/l	94
17) Carbon Disulfide	2.57	76	1105	1.407	ug/l #	68
20) Methylene Chloride	2.85	84	630	0.227	ug/l #	77
28) Bromochloromethane	5.02	49	127	Below Cal	#	21
31) Cyclohexane	5.66	56	4890	0.983	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17101	4.675	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20543	6.624	ug/l #	18
49) 1,4-Dioxane	7.74	88	22	0.314	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74884	23.560	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74884	60.485	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: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :

MSVOA_X

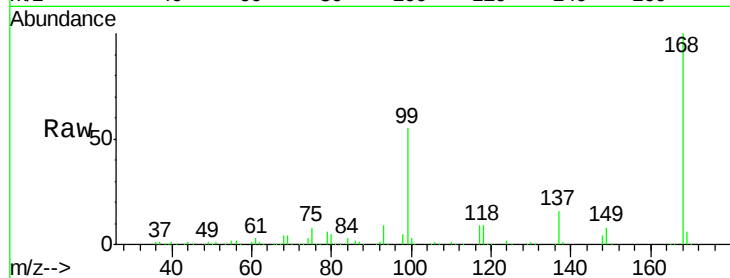
ClientSampleId :

Tot Ion:168 Resp: 221615

Ion Ratio Lower Upper

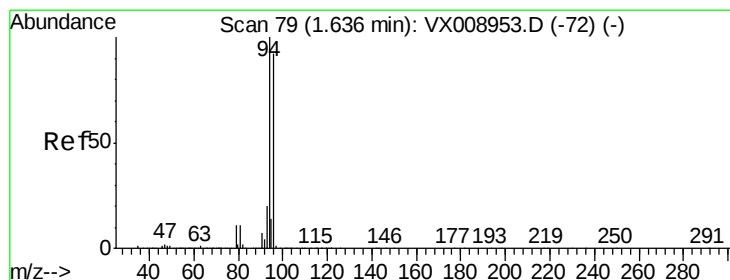
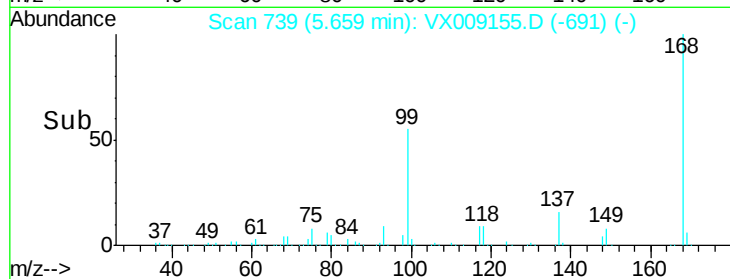
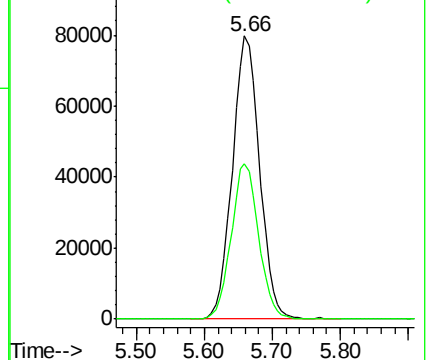
168 100

99 54.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 4.154 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009155.D

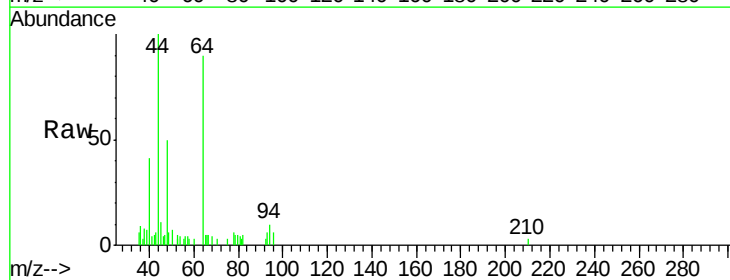
Acq: 25 Apr 2019 12:15

Tgt Ion: 94 Resp: 633

Ion Ratio Lower Upper

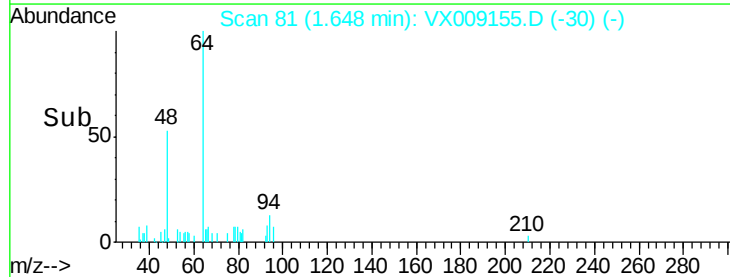
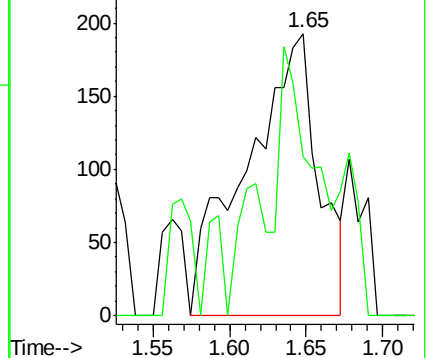
94 100

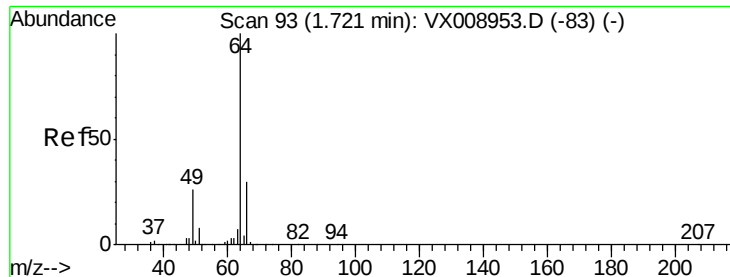
96 22.8 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 4.351 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.08 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :

MSVOA_X

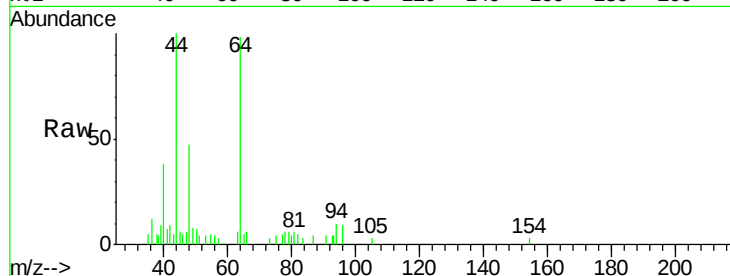
ClientSampleId :

Tot Ion: 64 Resp: 7803

Ion Ratio Lower Upper

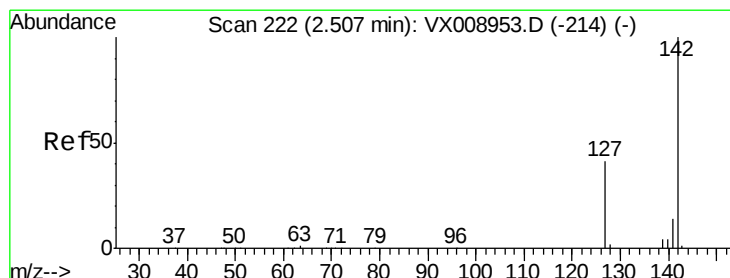
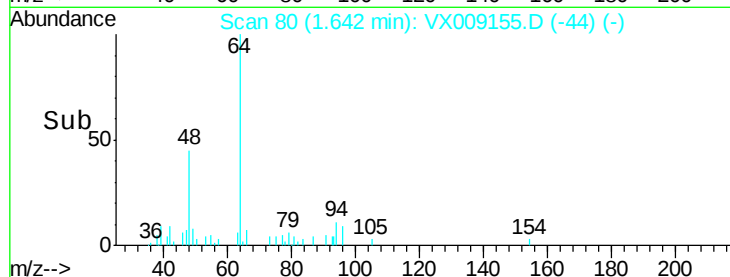
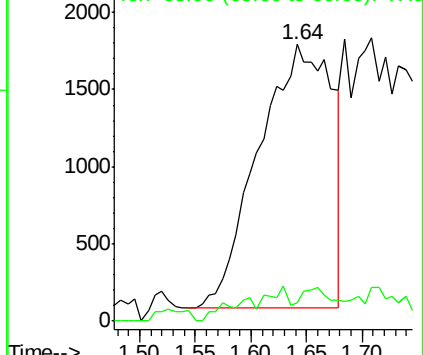
64 100

66 2.9 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX008953.D (-83) (-)

Ion 65.90 (65.60 to 66.60): VX008953.D (-83) (-)



#10

Methyl Iodide

Concen: 4.468 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

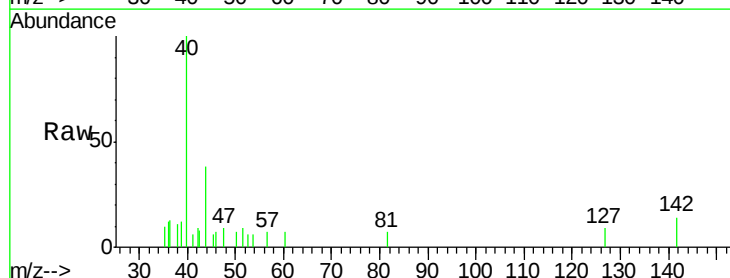
Tgt Ion: 142 Resp: 146

Ion Ratio Lower Upper

142 100

127 56.2 32.8 49.2#

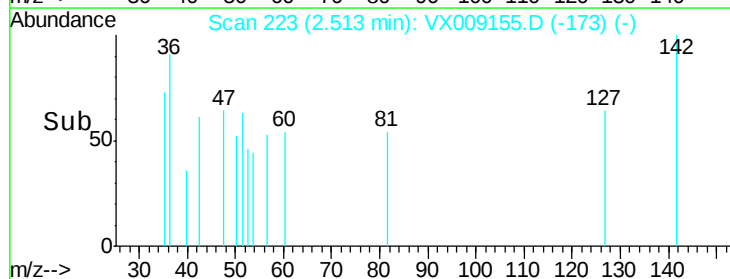
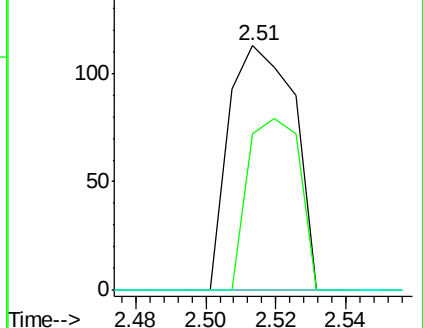
141 0.0 11.4 17.2#

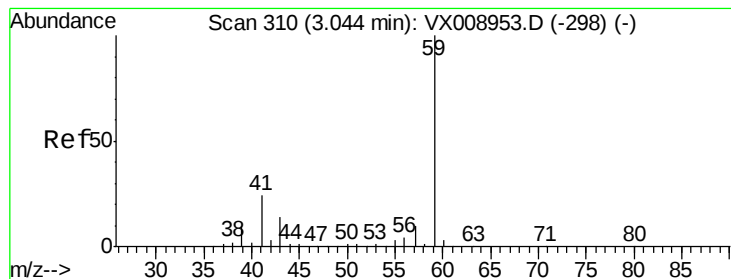


Abundance Ion 141.80 (141.50 to 142.50): VX008953.D (-214) (-)

Ion 126.80 (126.50 to 127.50): VX008953.D (-214) (-)

Ion 140.80 (140.50 to 141.50): VX008953.D (-214) (-)



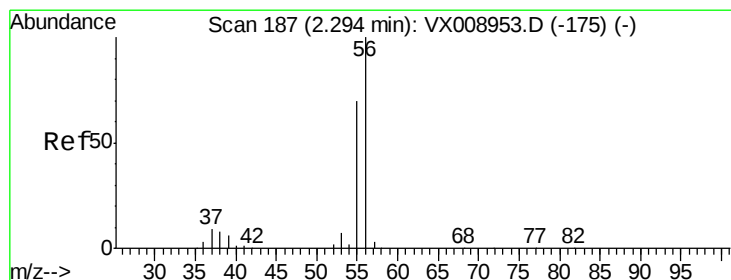
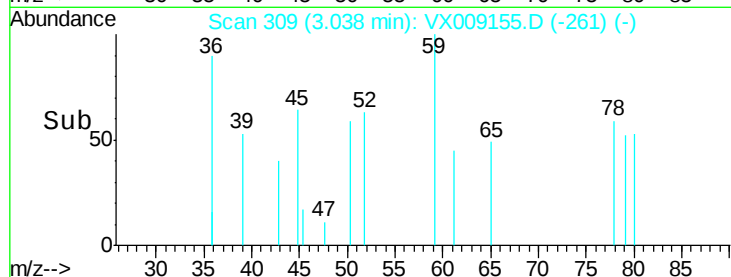
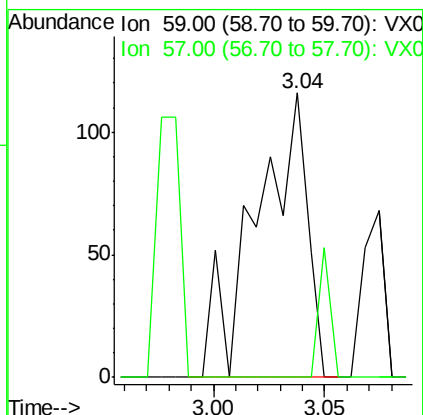
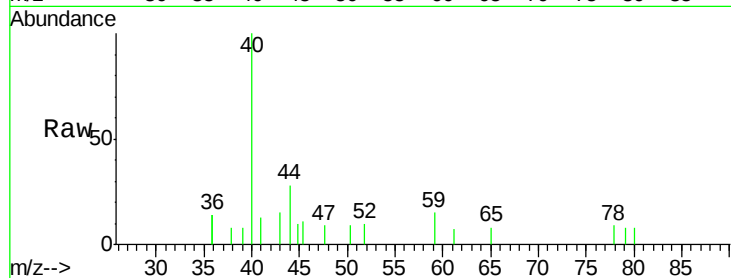


#11

Tert butvl alcohol
 Concen: 0.267 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

Instrument :
 MSVOA_X
 ClientSampled :

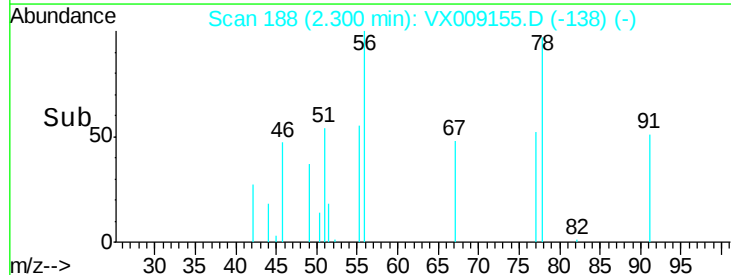
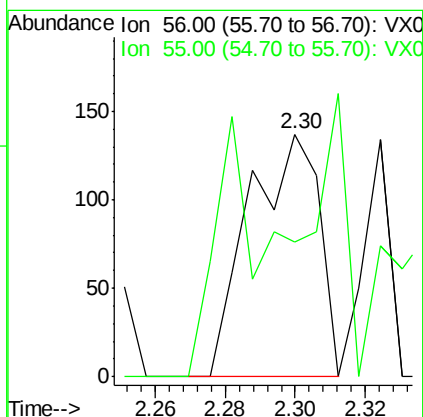
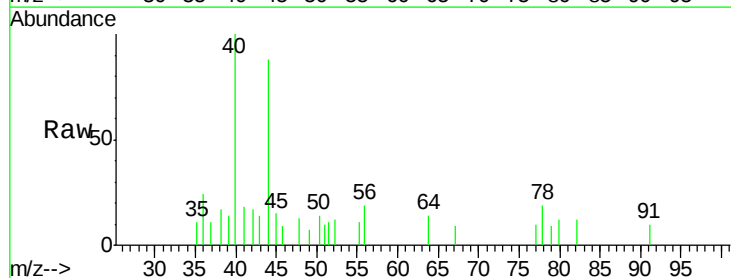
Tot Ion: 59 Resp: 185
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.4 12.6

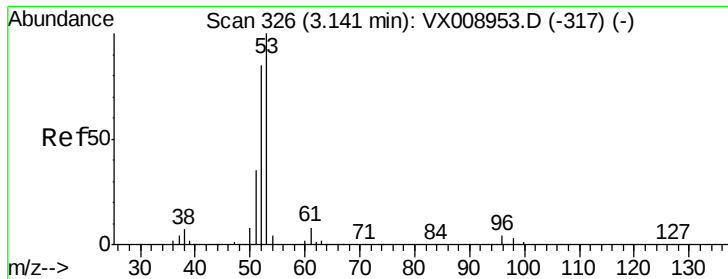


#13

Acrolein
 Concen: 0.319 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

Tgt Ion: 56 Resp: 191
 Ion Ratio Lower Upper
 56 100
 55 81.2 56.6 84.8





#15

Acrylonitrile

Concen: 0.206 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :

MSVOA_X

ClientSampled :

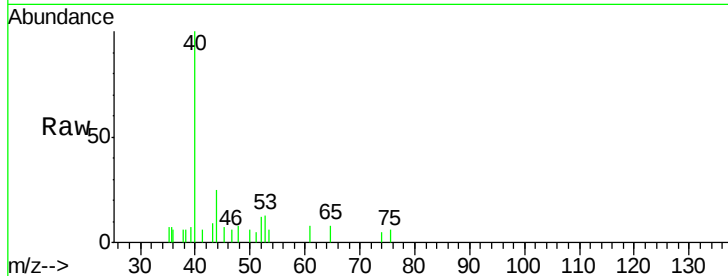
Tot Ion: 53 Resp: 362

Ion Ratio Lower Upper

53 100

52 66.3 66.6 100.0#

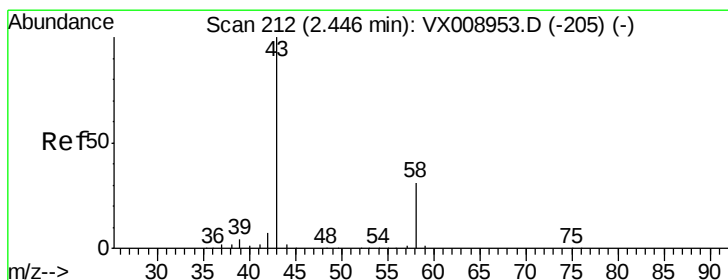
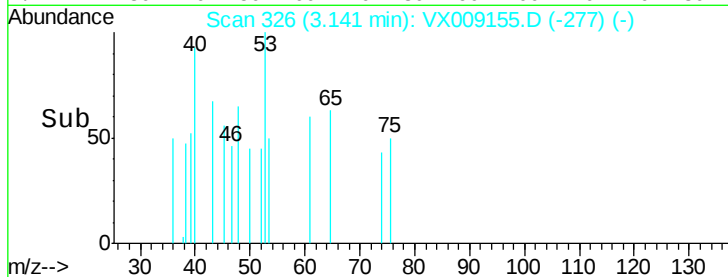
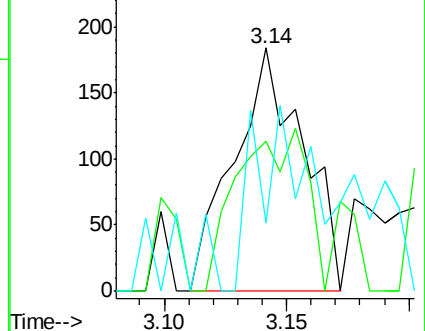
51 63.3 28.3 42.5#



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: 0.422 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009155.D

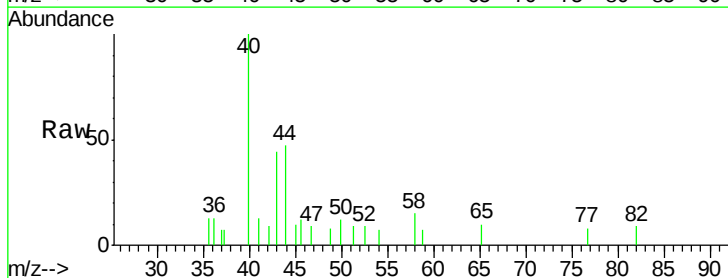
Acq: 25 Apr 2019 12:15

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

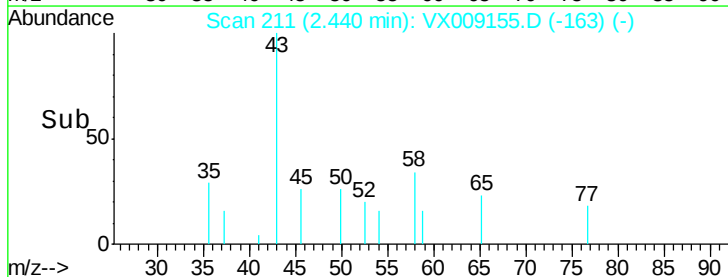
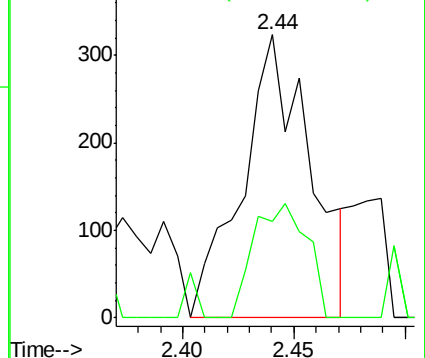
43 100

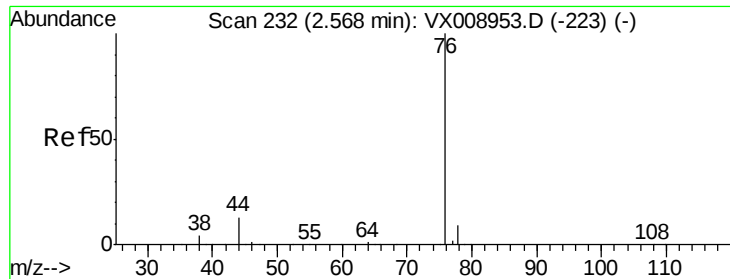
58 34.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.407 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :

MSVOA_X

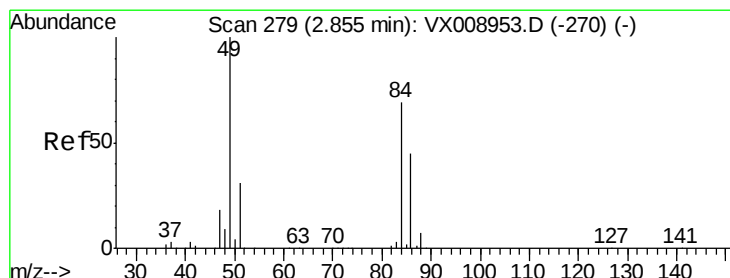
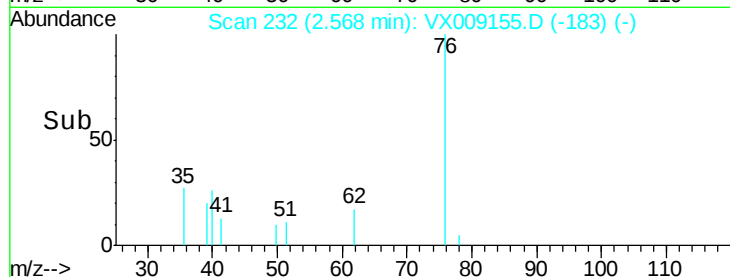
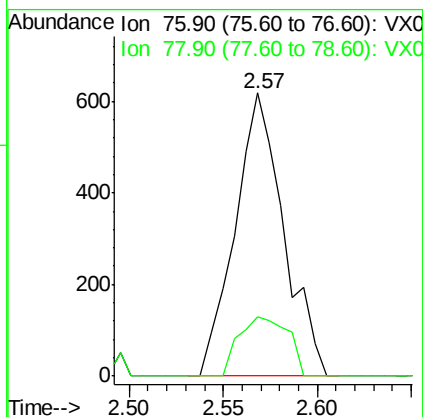
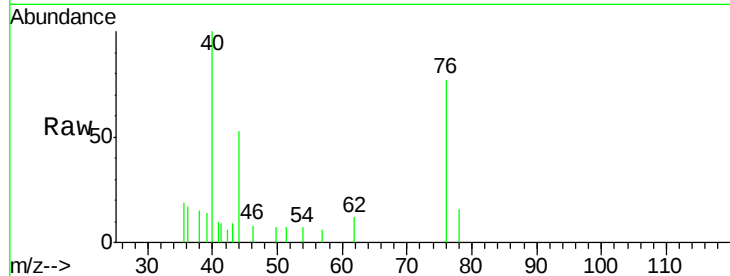
ClientSampleId :

Tot Ion: 76 Resp: 1105

Ion Ratio Lower Upper

76 100

78 20.7 7.2 10.8#



#20

Methylene Chloride

Concen: 0.227 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Tgt Ion: 84 Resp: 630

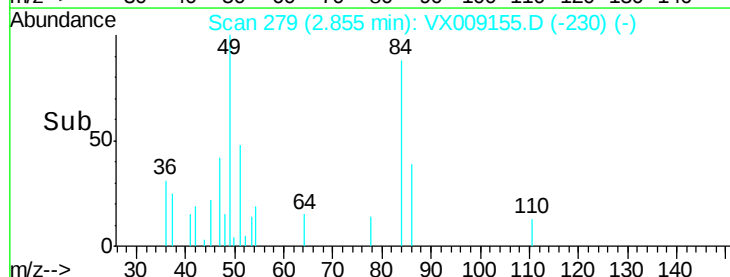
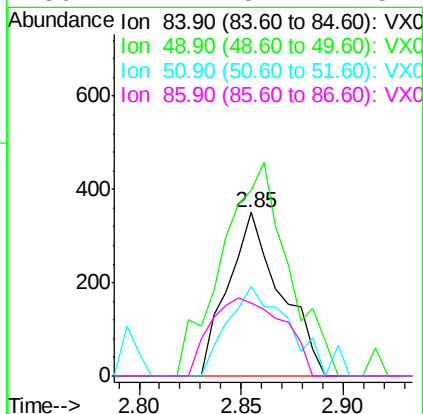
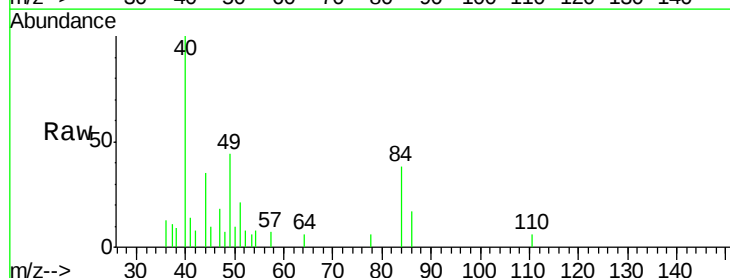
Ion Ratio Lower Upper

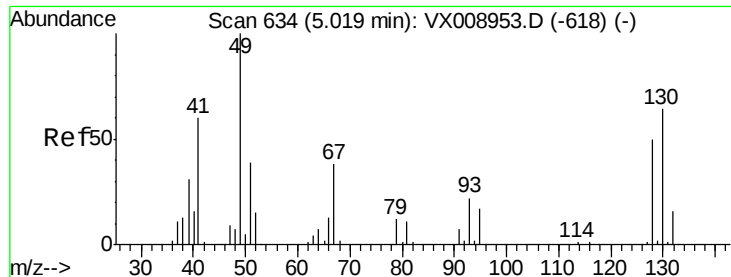
84 100

49 113.7 115.4 173.0#

51 54.4 35.8 53.6#

86 44.2 52.1 78.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

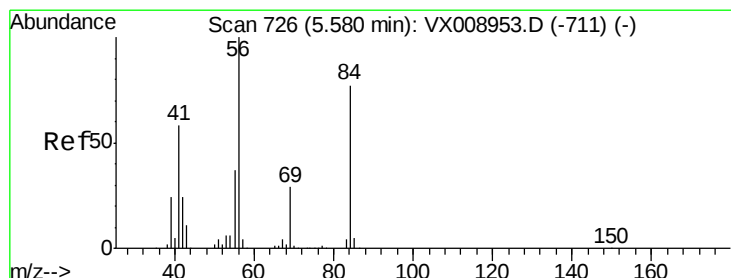
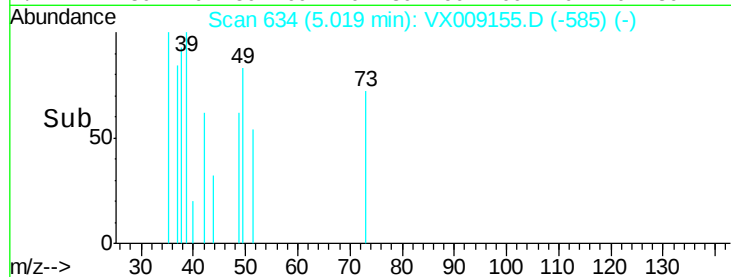
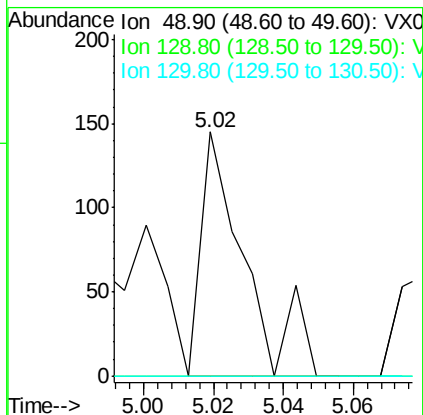
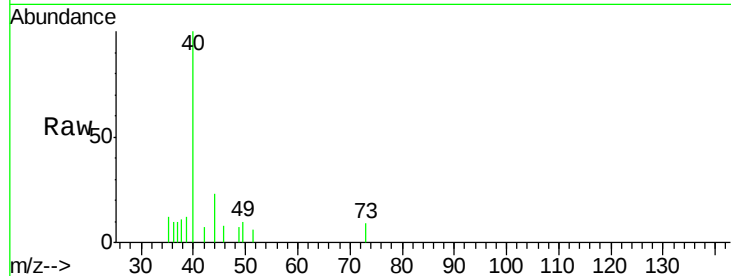
Delta R.T. 0.00 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 127
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



#31

Cyclohexane

Concen: 0.983 ug/l

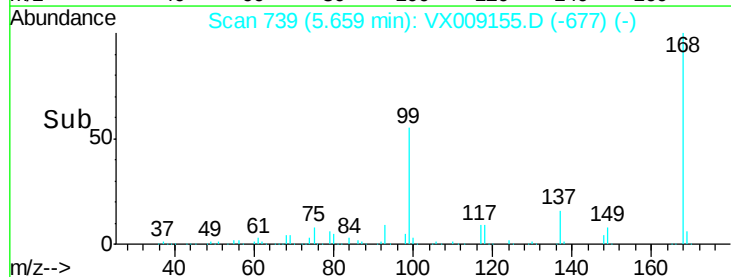
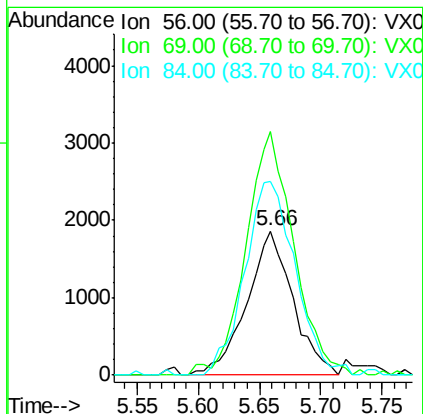
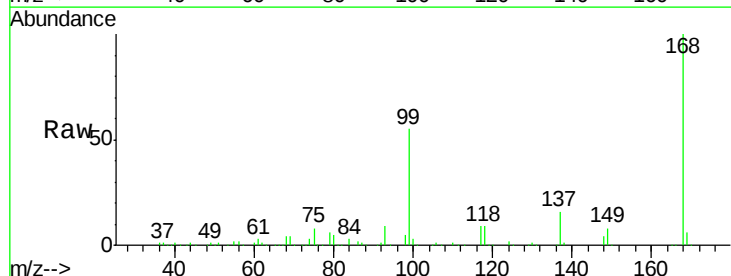
RT: 5.66 min Scan# 739

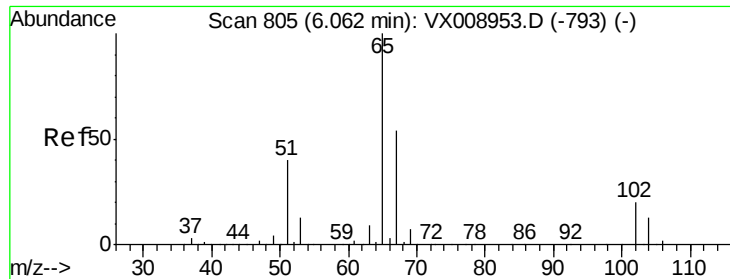
Delta R.T. 0.08 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Tgt Ion: 56 Resp: 4890
Ion Ratio Lower Upper
56 100
69 168.6 23.3 34.9#
84 133.8 61.7 92.5#

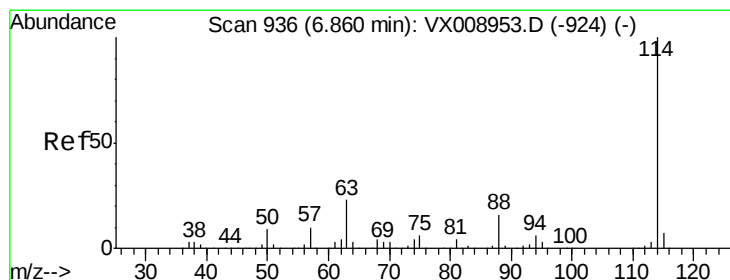
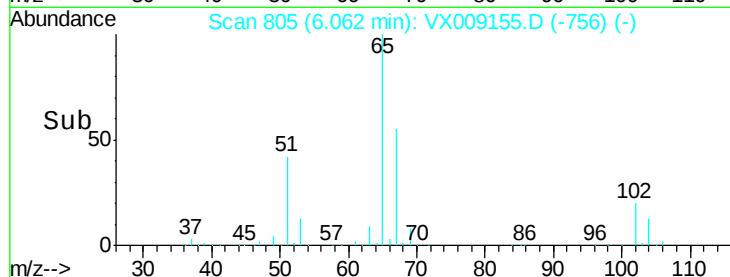
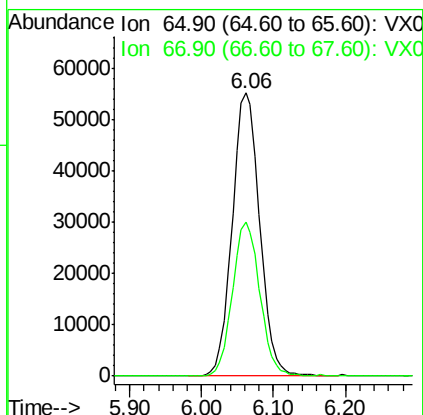
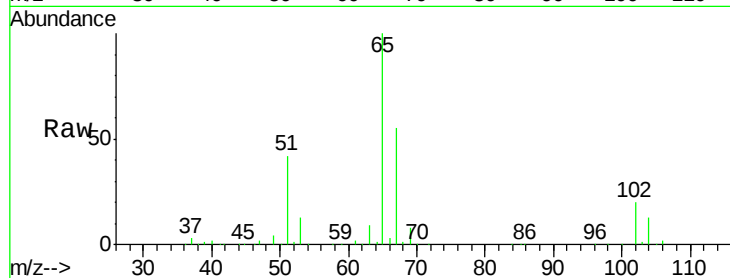




#33
 1,2-Dichloroethane-d4
 Concen: 47.022 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

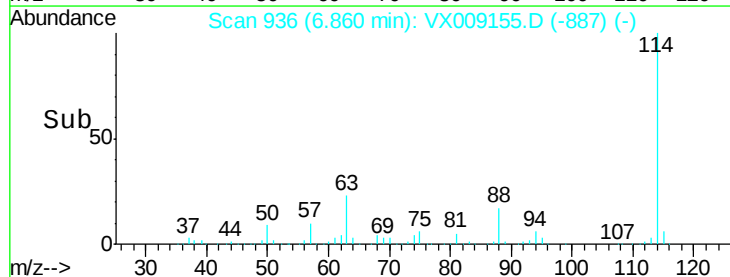
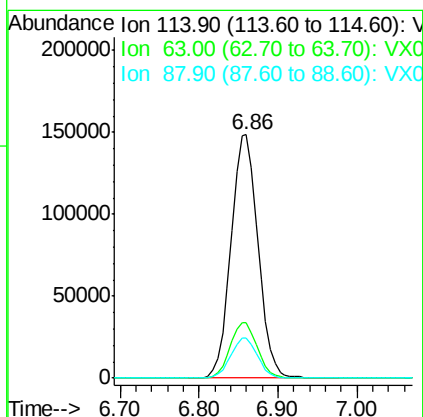
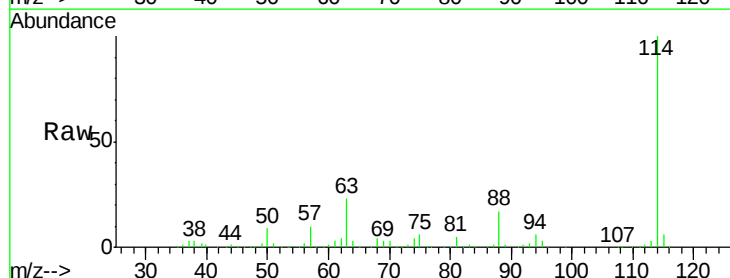
Instrument :
 MSVOA_X
 ClientSampleId :

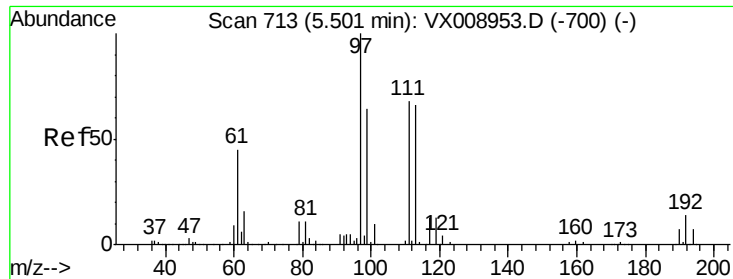
Tot Ion: 65 Resp: 146858
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

Tgt Ion: 114 Resp: 353697
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.0
 88 16.6 0.0 32.6

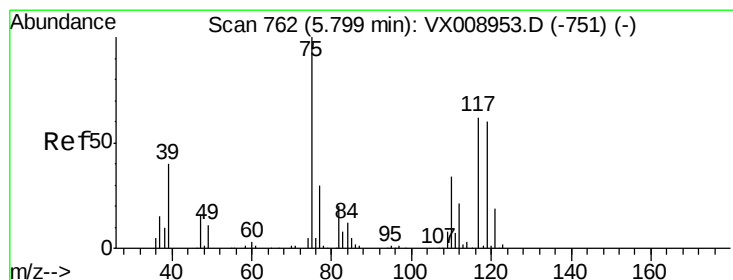
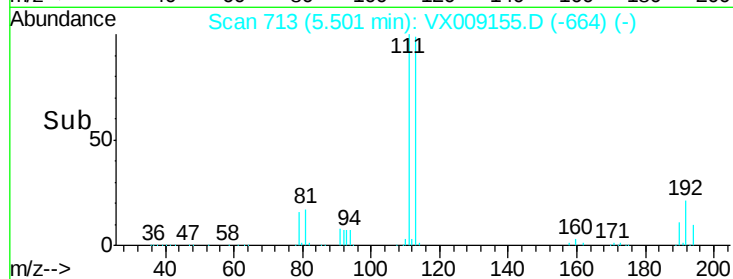
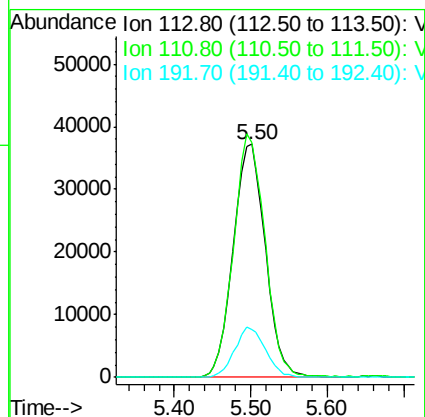
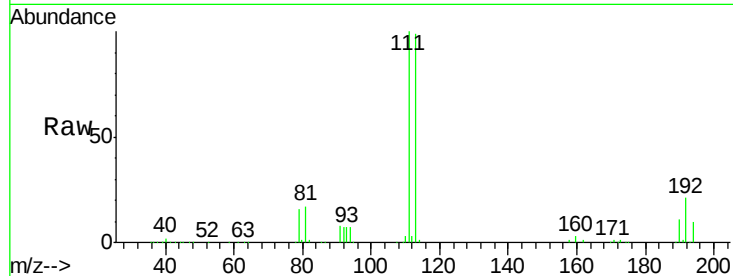




#35
 Dibromofluoromethane
 Concen: 47.747 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

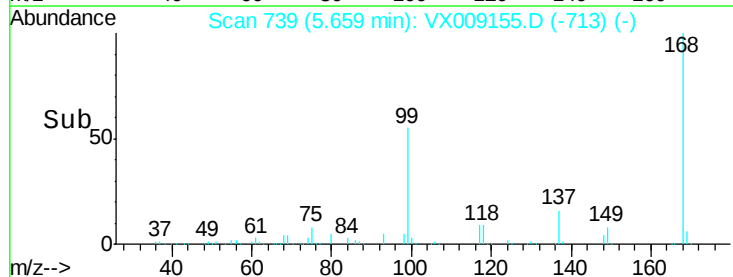
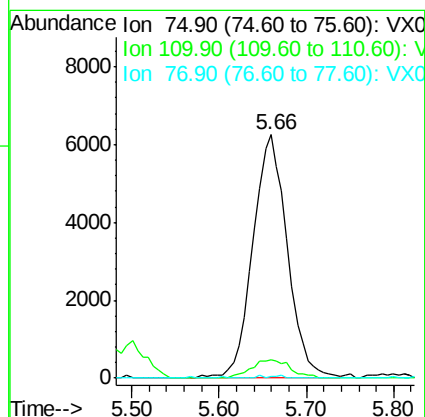
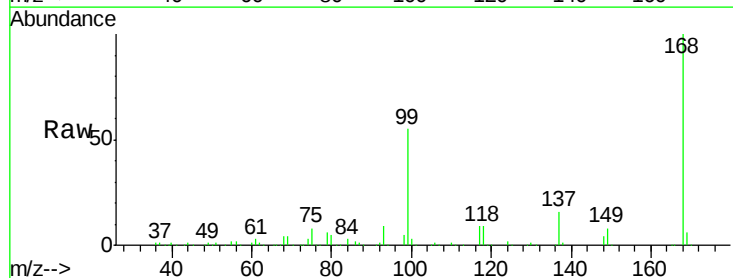
Instrument :
 MSVOA_X
 ClientSampleId :

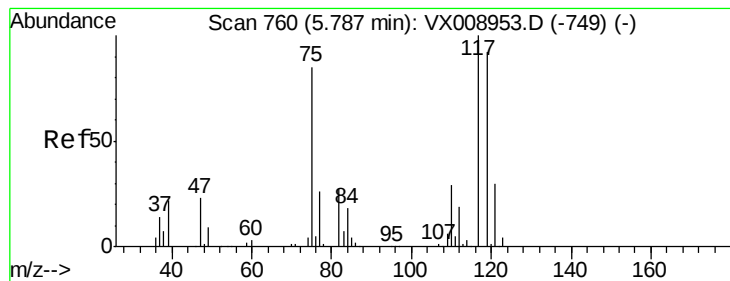
Tot Ion:113 Resp: 108383
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.9 124.3
 192 20.7 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.675 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

Tgt Ion: 75 Resp: 17101
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.7#
 77 0.4 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.624 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

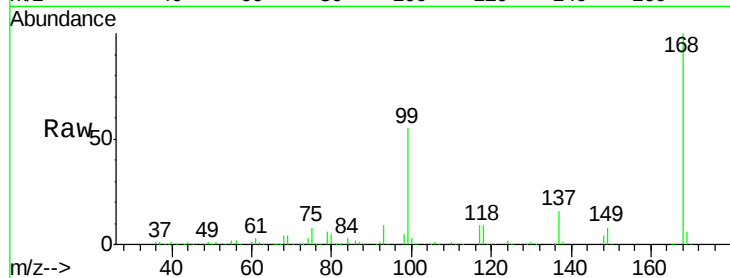
Tot Ion:117 Resp: 20543

Ion Ratio Lower Upper

117 100

119 5.4 73.8 110.8#

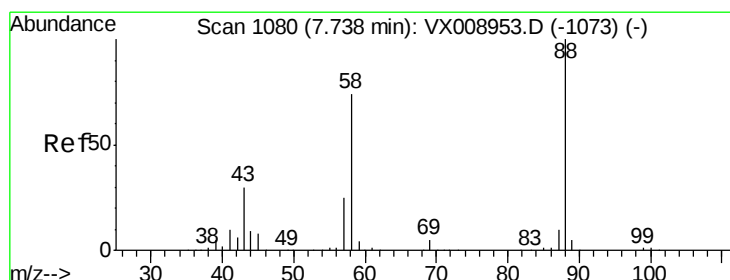
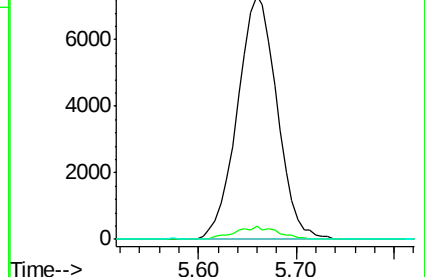
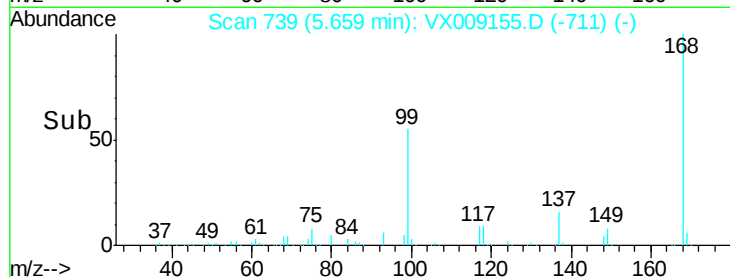
121 0.0 23.6 35.4#



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: 0.314 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

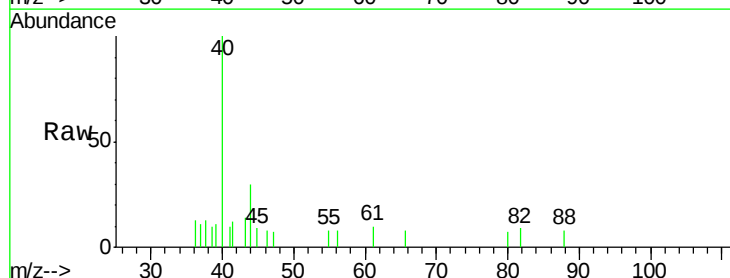
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 431.8 29.3 43.9#

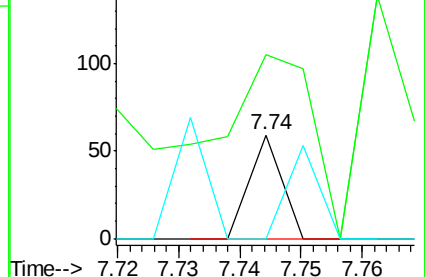
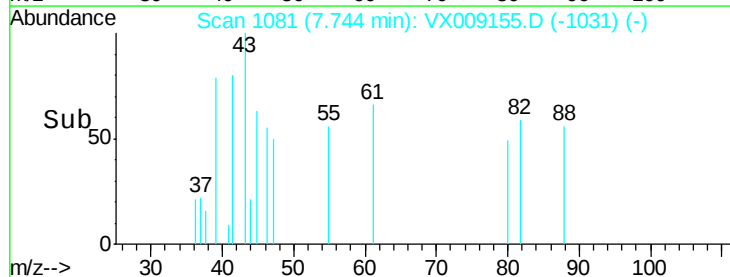
58 86.4 62.6 93.8

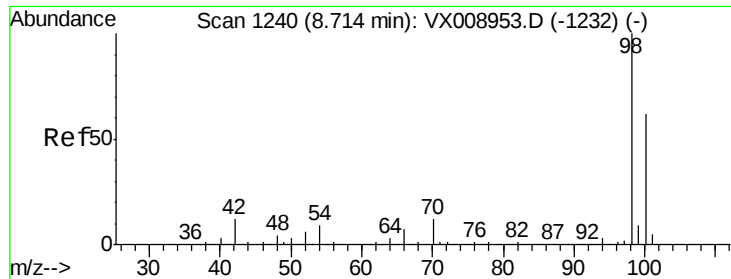


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.868 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :

MSVOA_X

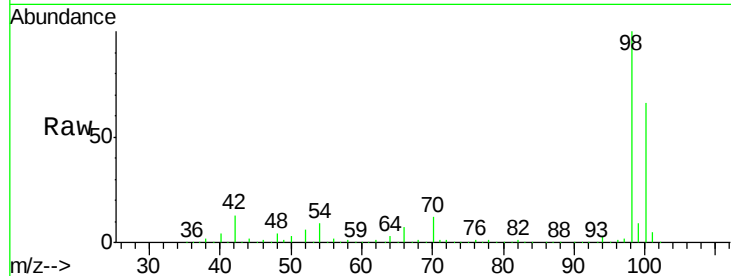
ClientSampleId :

Tot Ion: 98 Resp: 442381

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

300000

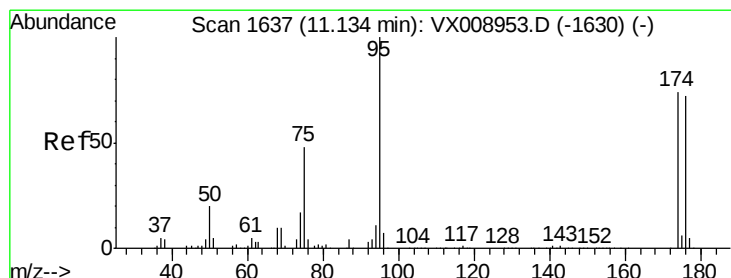
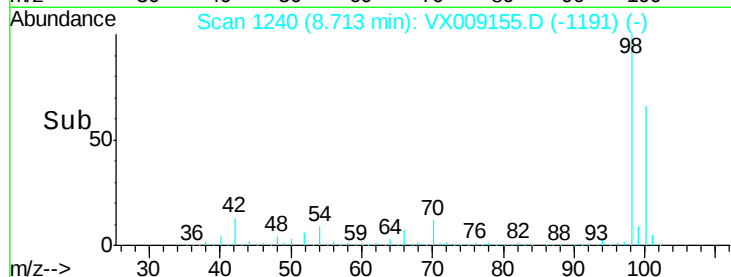
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.536 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

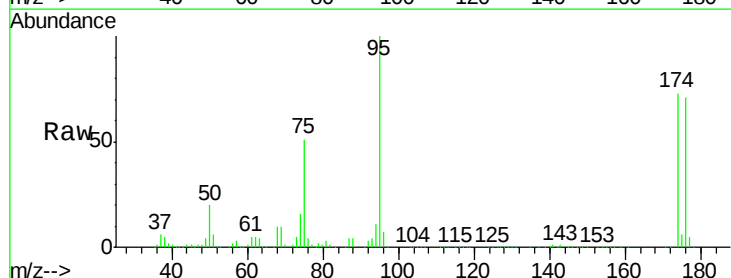
Tgt Ion: 95 Resp: 148710

Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.6

176 75.6 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

150000

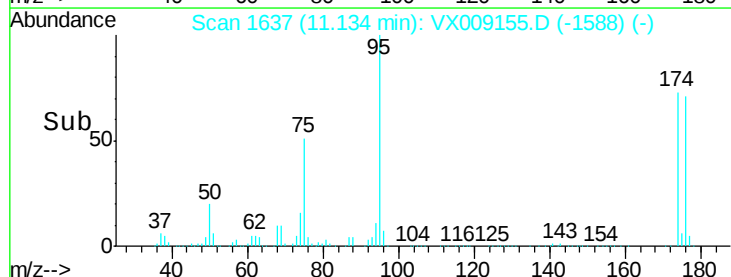
100000

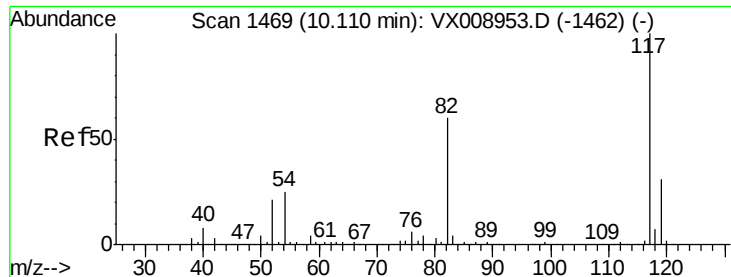
50000

0

Time-->

11.05 11.10 11.15 11.20

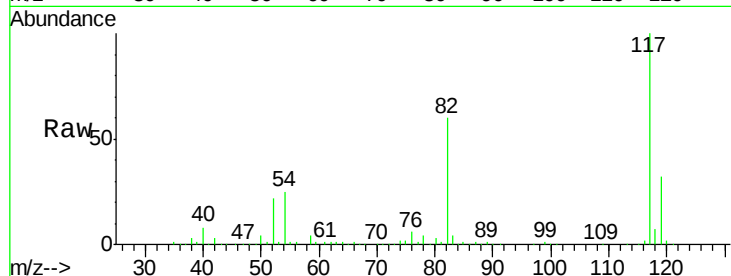




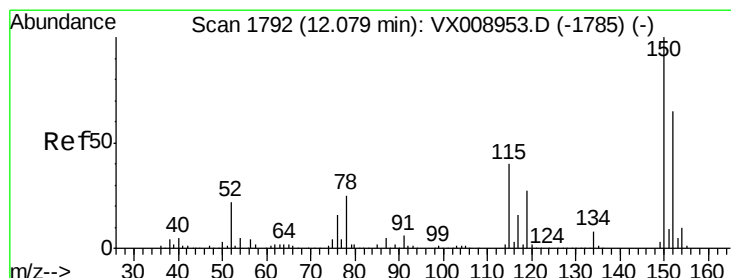
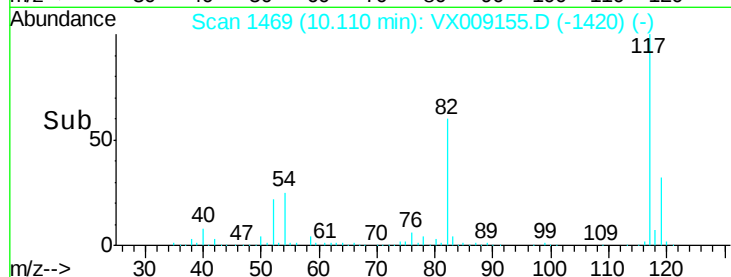
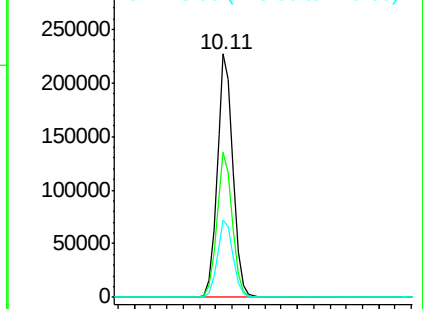
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:117 Resp: 308020
 Ion Ratio Lower Upper
 117 100
 82 59.8 48.2 72.4
 119 31.8 25.0 37.6

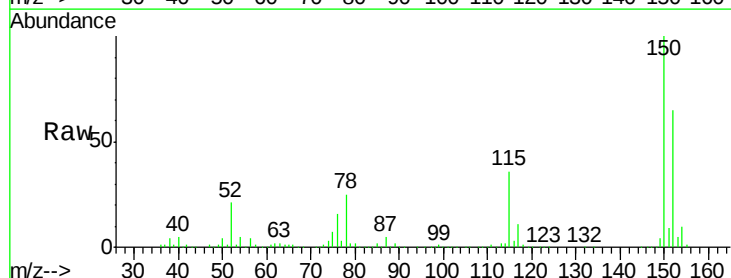


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

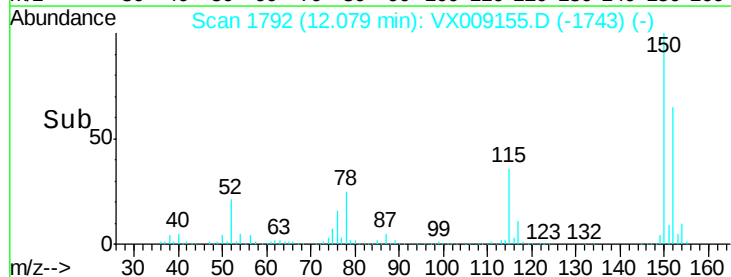
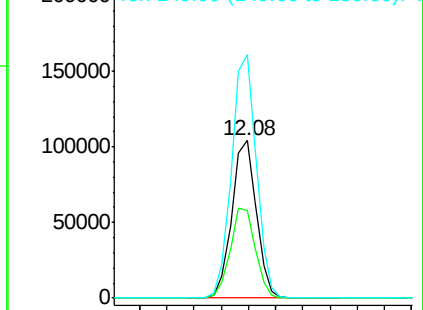


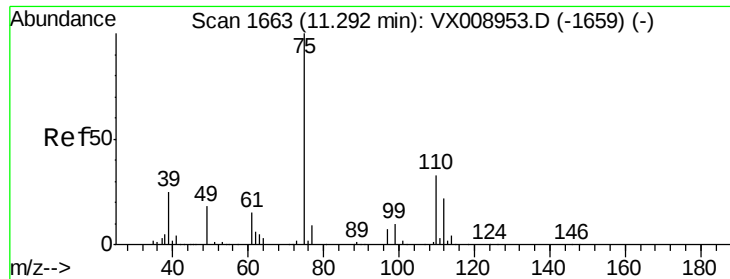
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX009155.D
 Acq: 25 Apr 2019 12:15

Tgt Ion:152 Resp: 130168
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.4 124.2
 150 156.9 0.0 349.8



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: 23.560 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

Instrument :

MSVOA_X

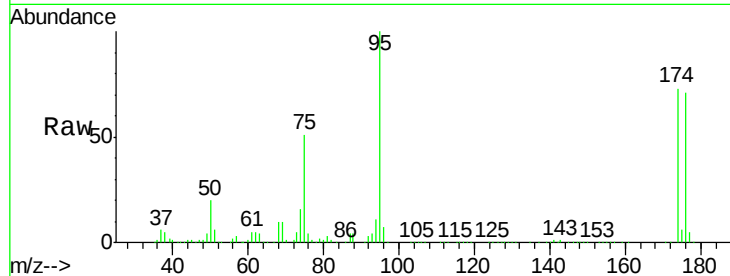
ClientSampleId :

Tot Ion: 75 Resp: 74884

Ion Ratio Lower Upper

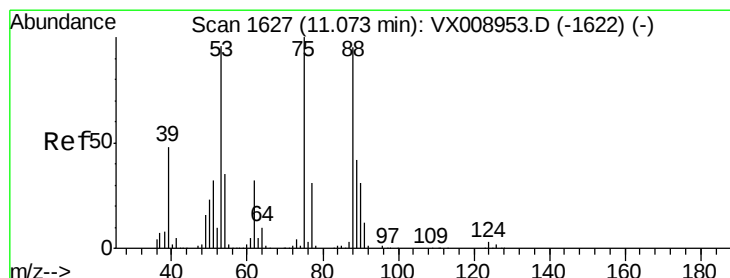
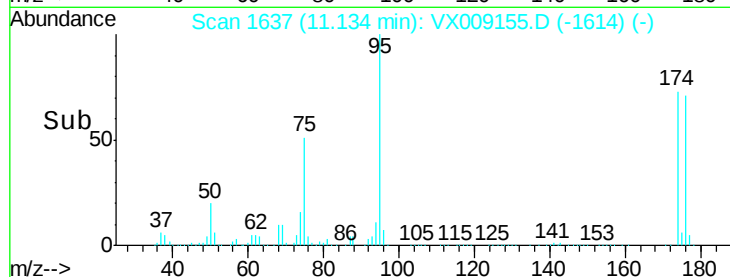
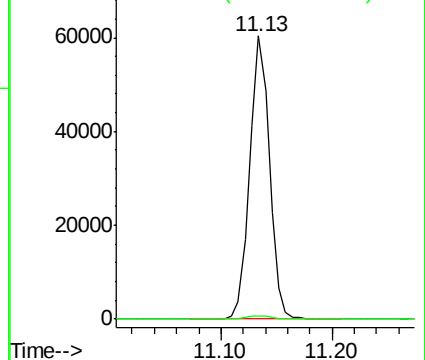
75 100

77 1.4 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: 60.485 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009155.D

Acq: 25 Apr 2019 12:15

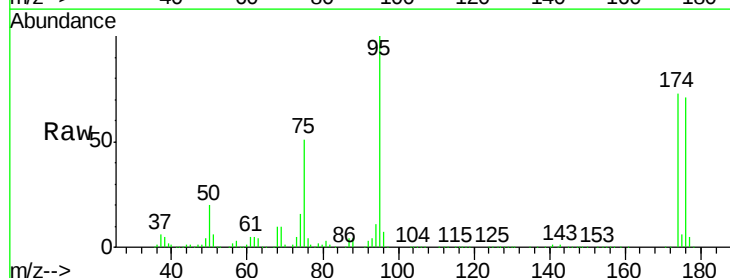
Tgt Ion: 75 Resp: 74884

Ion Ratio Lower Upper

75 100

53 0.2 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

