

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008420.D
 Acq On : 25 Mar 2019 19:27
 Operator : JC/SP
 Sample : VX0325WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBL01

Quant Time: Mar 26 06:03:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	236373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	401594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146931	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	167963	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
35) Dibromofluoromethane	5.50	113	124123	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.71	98	503225	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.13	95	168618	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	

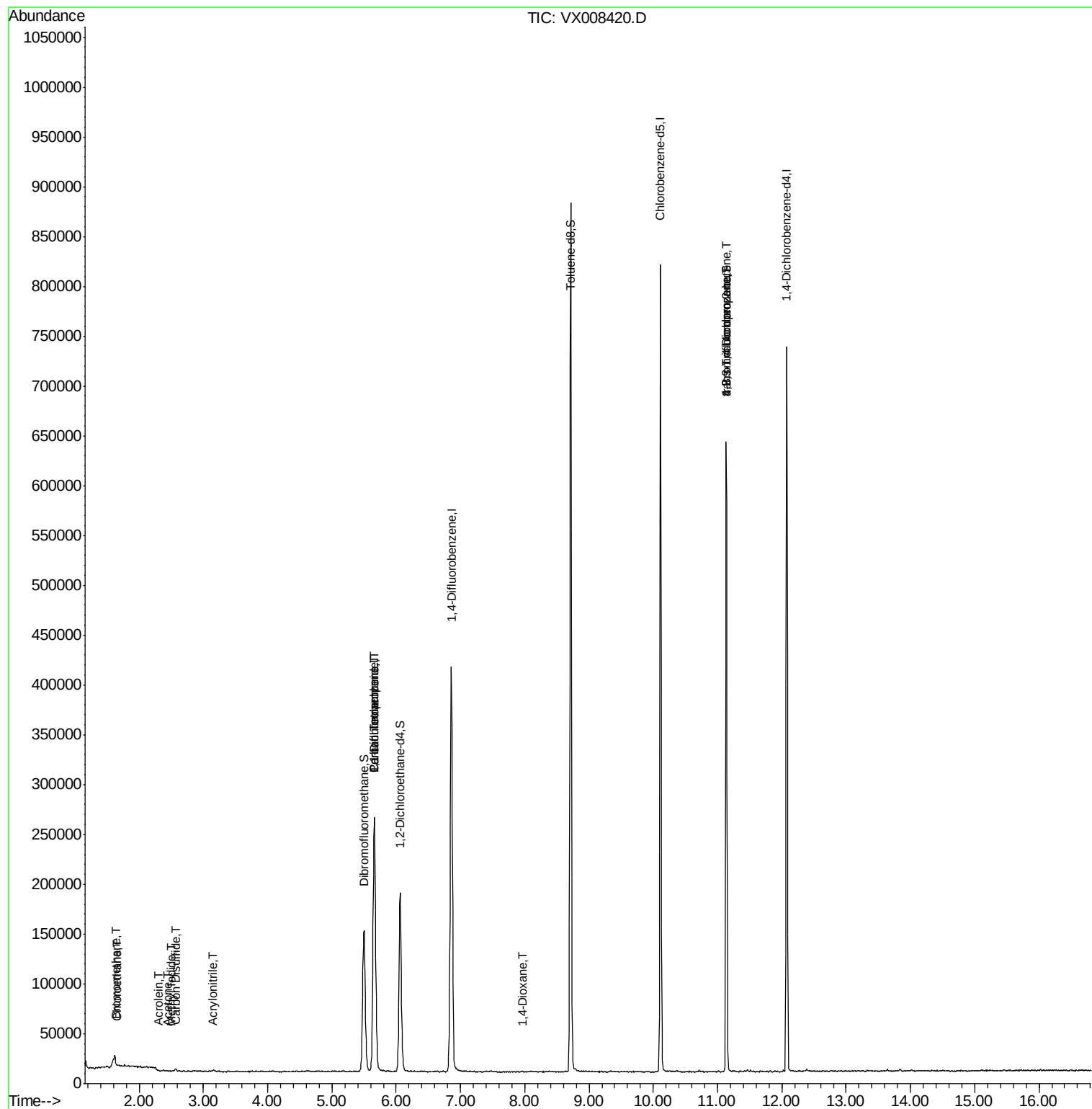
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	567	Below Cal	#	82
5) Bromomethane	1.64	94	932	2.248	ug/l	88
6) Chloroethane	1.66	64	2267	0.984	ug/l #	68
10) Methyl Iodide	2.51	142	433	4.283	ug/l #	81
13) Acrolein	2.29	56	420	0.728	ug/l	94
15) Acrylonitrile	3.15	53	595	0.286	ug/l #	66
16) Acetone	2.44	43	456	0.243	ug/l #	58
17) Carbon Disulfide	2.57	76	2369	0.260	ug/l	95
20) Methylene Chloride	2.86	84	489	Below Cal	#	66
21) trans-1,2-Dichloroethene	3.17	96	259	Below Cal	#	74
36) 1,1-Dichloropropene	5.66	75	20251	4.729	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23770	6.652	ug/l #	15
49) 1,4-Dioxane	7.97	88	19	0.215	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	88273	20.208	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88273	64.725	ug/l #	9

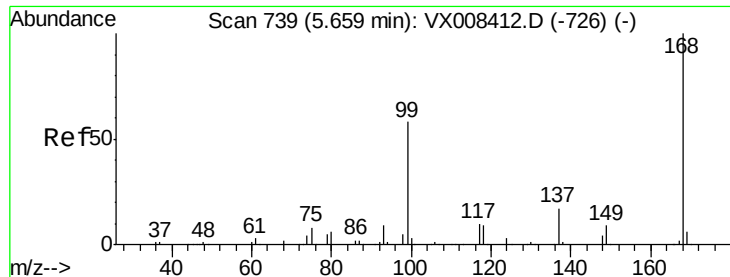
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 26 06:03:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:58:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

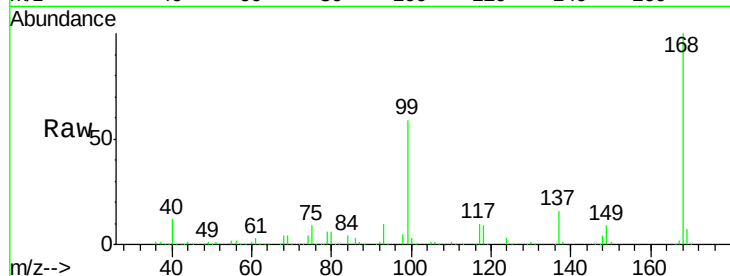
VX0325WBL01

Tot Ion:168 Resp: 236373

Ion Ratio Lower Upper

168 100

99 59.2 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

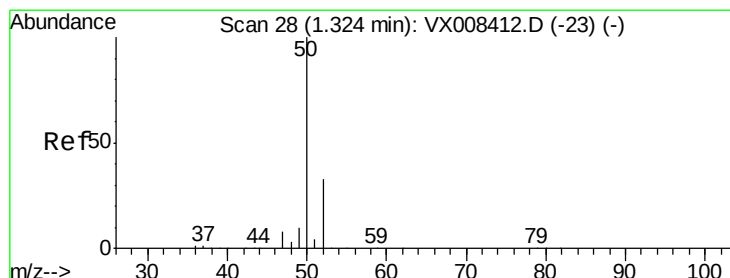
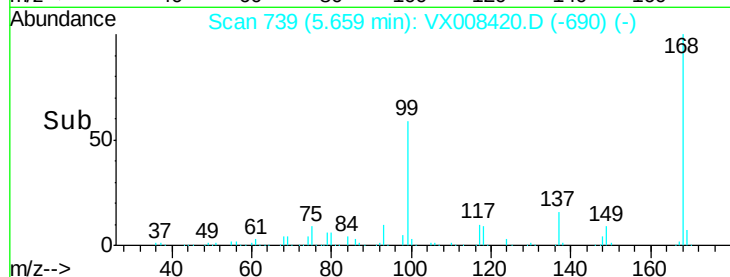
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008420.D

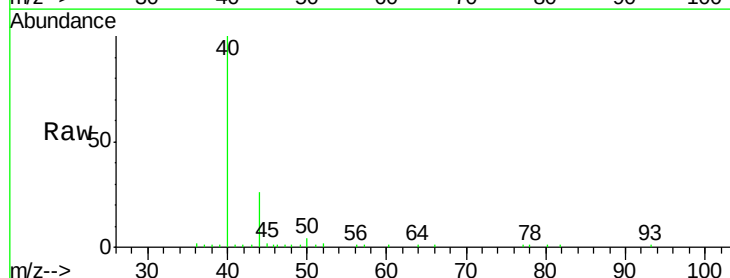
Acq: 25 Mar 2019 19:27

Tgt Ion: 50 Resp: 567

Ion Ratio Lower Upper

50 100

52 42.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

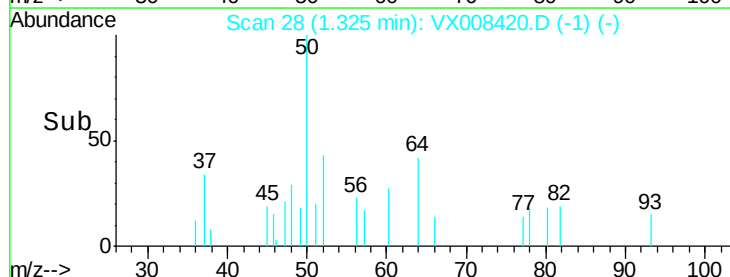
300

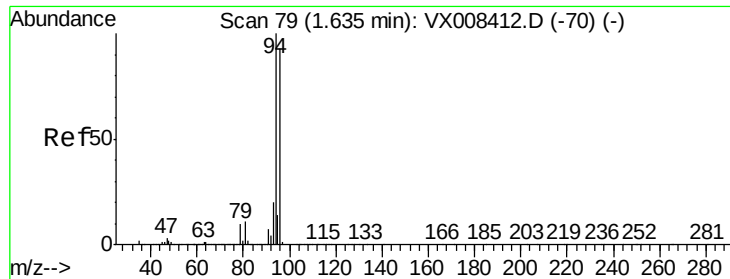
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.248 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

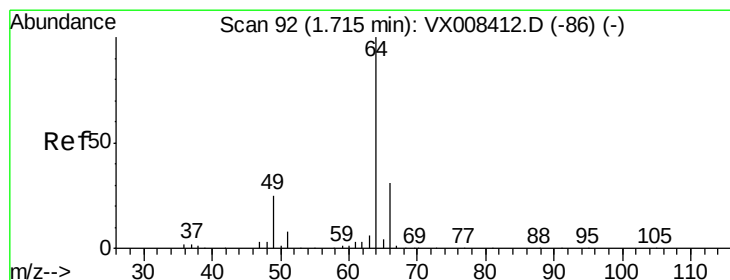
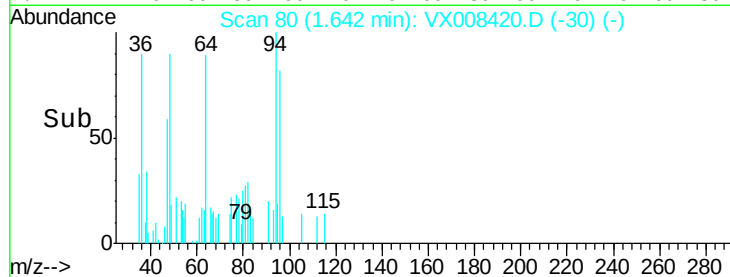
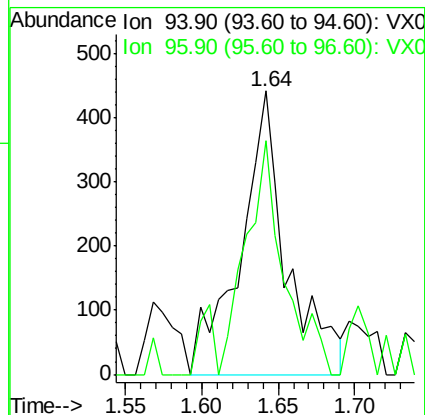
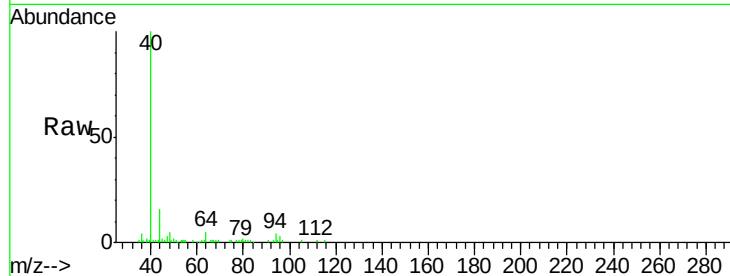
VX0325WBL01

Tot Ion: 94 Resp: 932

Ion Ratio Lower Upper

94 100

96 82.4 74.8 112.2



#6

Chloroethane

Concen: 0.984 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX008420.D

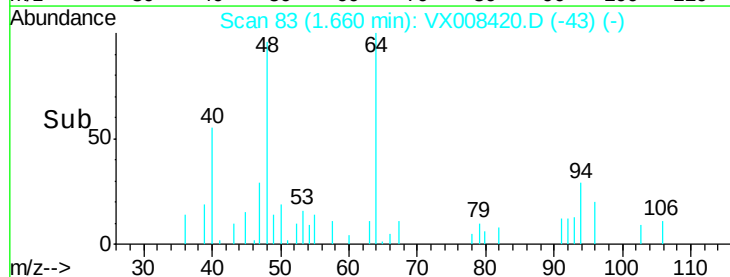
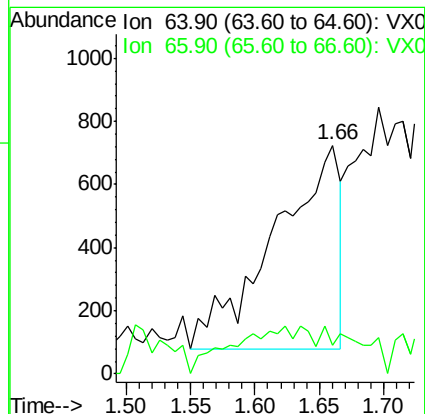
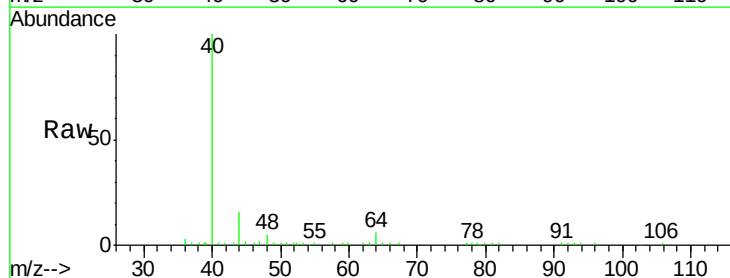
Acq: 25 Mar 2019 19:27

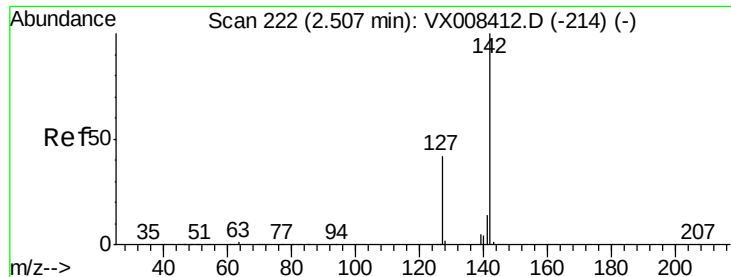
Tgt Ion: 64 Resp: 2267

Ion Ratio Lower Upper

64 100

66 13.8 25.1 37.7#

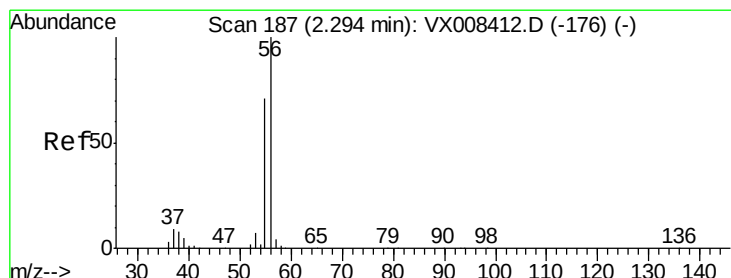
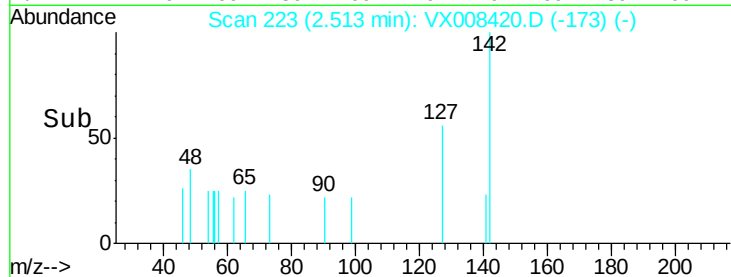
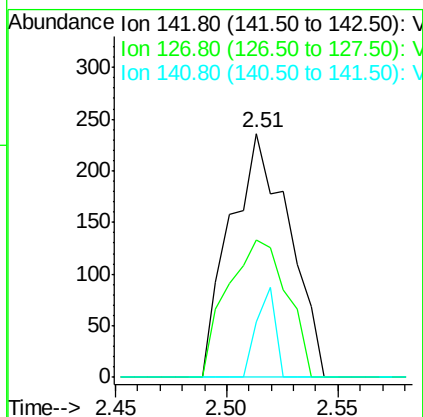
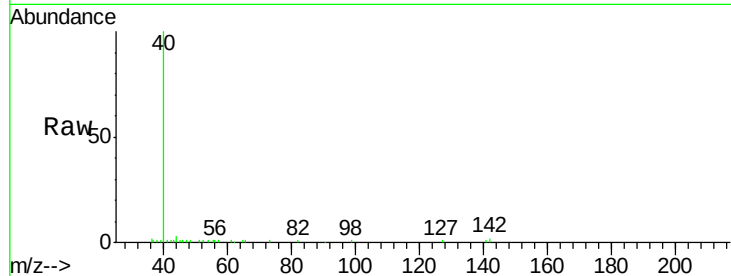




#10
Methyl Iodide
Concen: 4.283 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008420.D
Acq: 25 Mar 2019 19:27

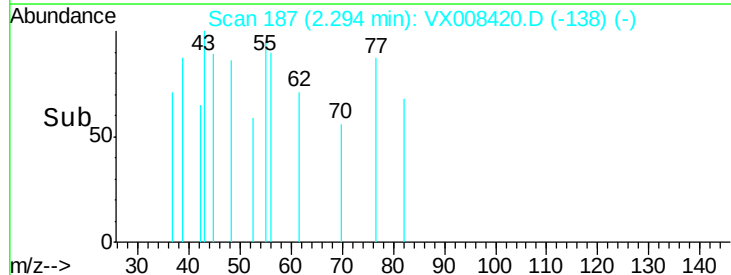
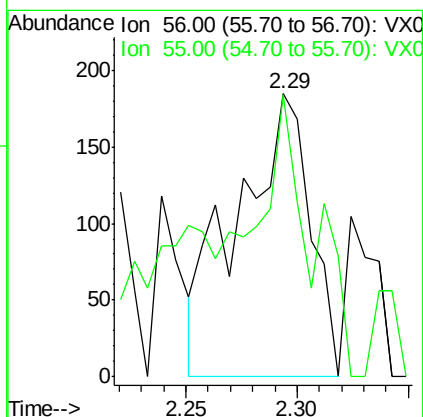
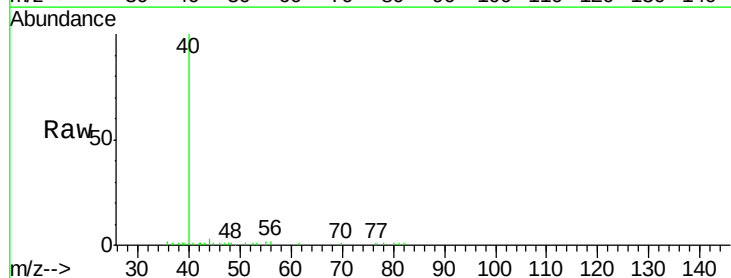
Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

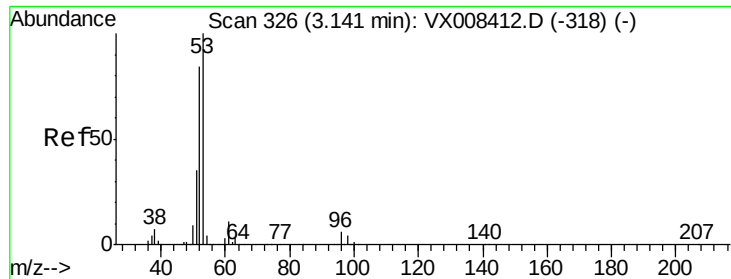
Tot Ion:142 Resp: 433
Ion Ratio Lower Upper
142 100
127 57.0 33.6 50.4#
141 12.0 11.3 16.9



#13
Acrolein
Concen: 0.728 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008420.D
Acq: 25 Mar 2019 19:27

Tgt Ion: 56 Resp: 420
Ion Ratio Lower Upper
56 100
55 66.0 56.5 84.7





#15

Acrylonitrile

Concen: 0.286 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBL01

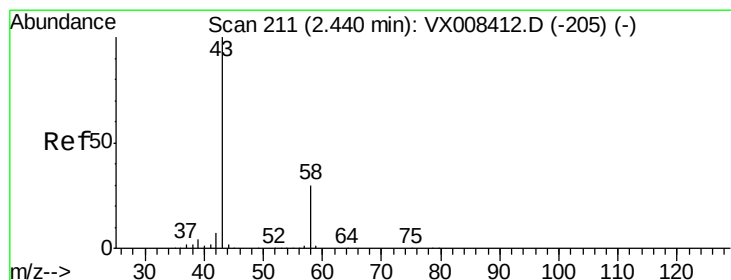
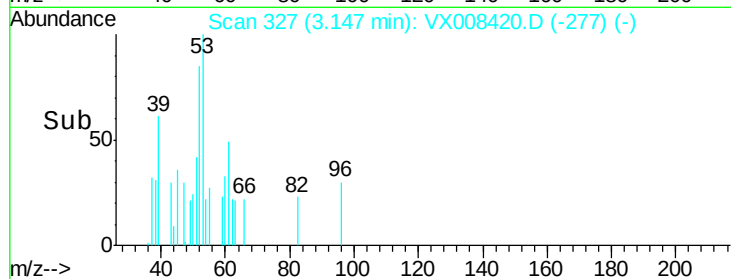
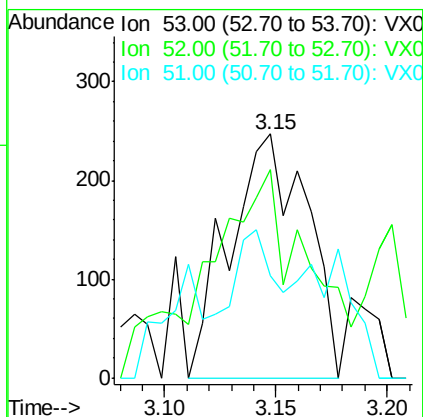
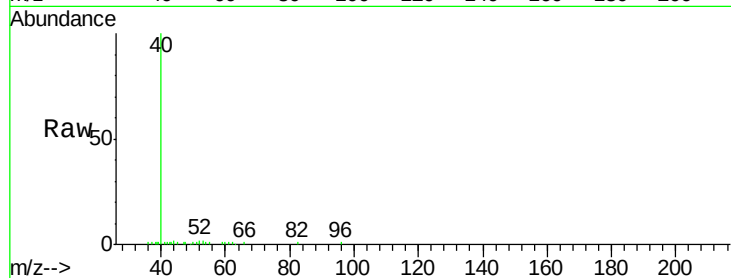
Tot Ion: 53 Resp: 595

Ion Ratio Lower Upper

53 100

52 112.9 66.5 99.7#

51 14.3 28.3 42.5#



#16

Acetone

Concen: 0.243 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008420.D

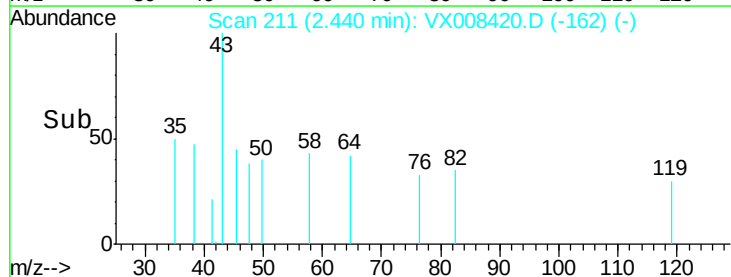
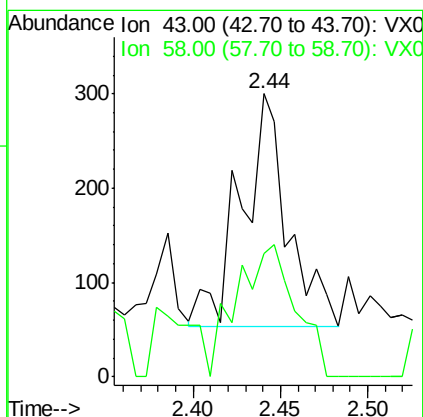
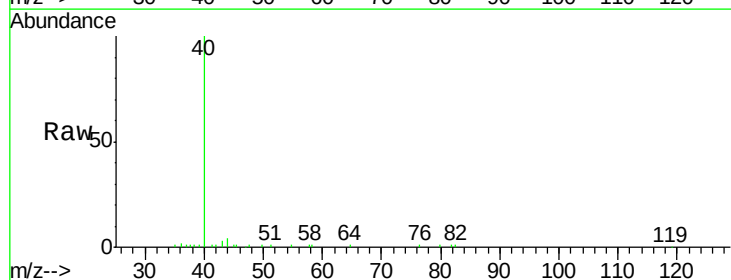
Acq: 25 Mar 2019 19:27

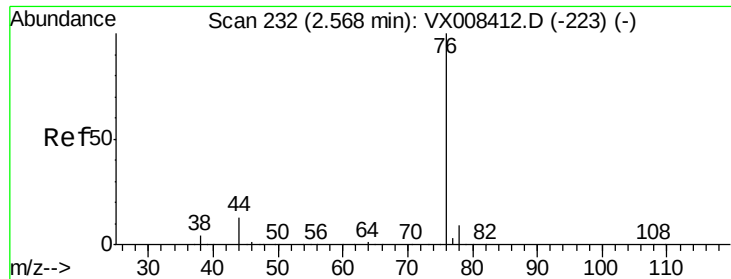
Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

43 100

58 53.3 24.2 36.2#





#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

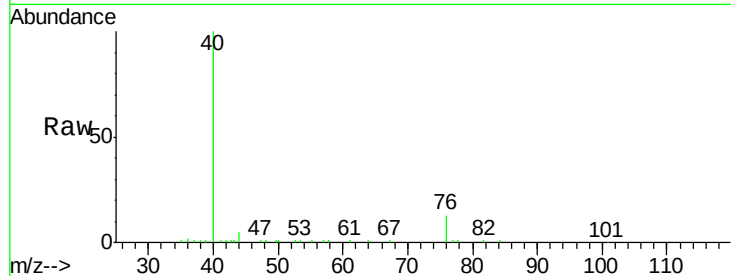
VX0325WBL01

Tot Ion: 76 Resp: 2369

Ion Ratio Lower Upper

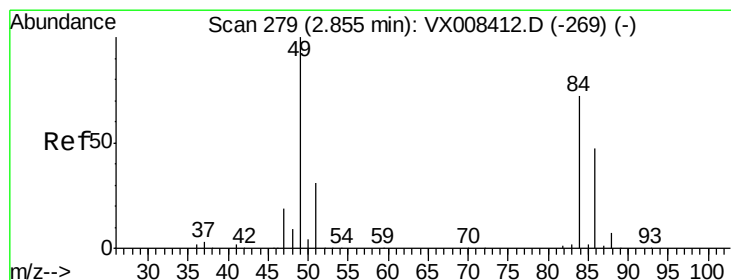
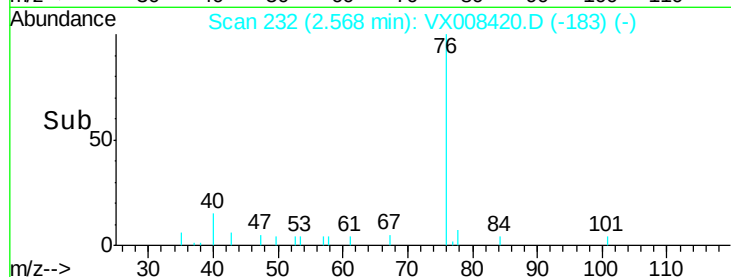
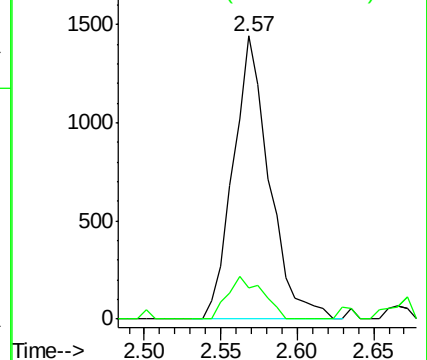
76 100

78 11.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Tgt Ion: 84 Resp: 489

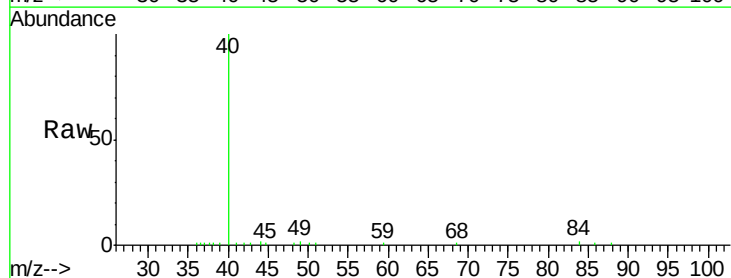
Ion Ratio Lower Upper

84 100

49 94.5 110.6 165.8#

51 71.6 33.9 50.9#

86 47.2 52.2 78.2#

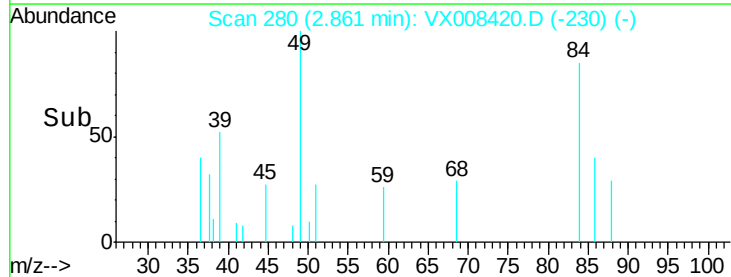
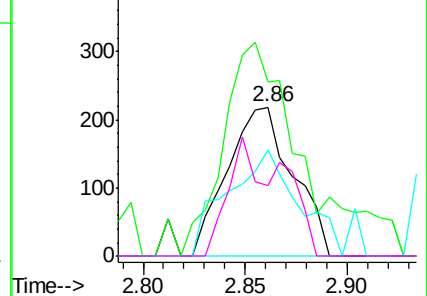


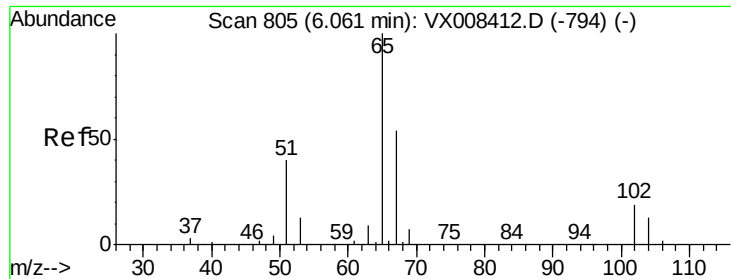
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

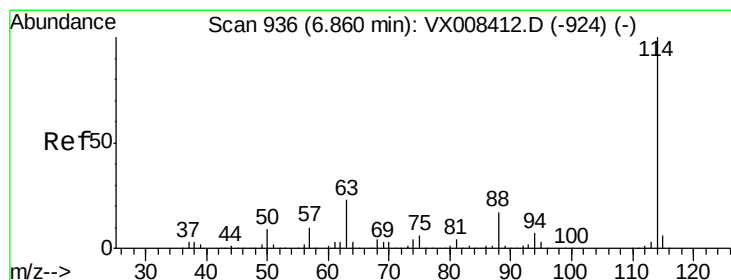
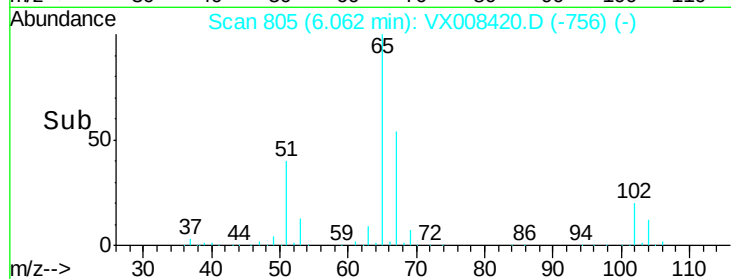
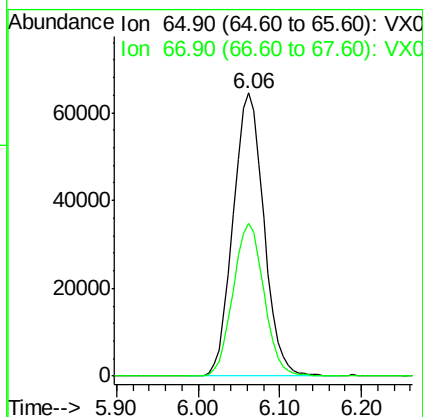
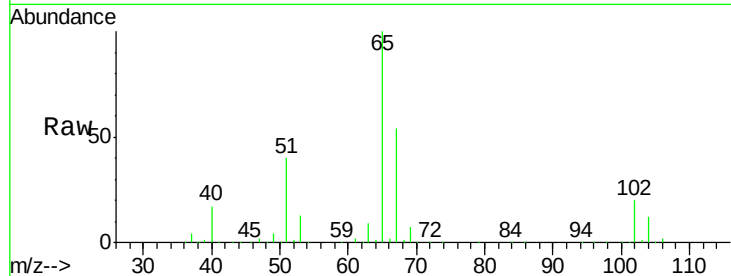




#33
 1,2-Dichloroethane-d4
 Concen: 46.872 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008420.D
 Acq: 25 Mar 2019 19:27

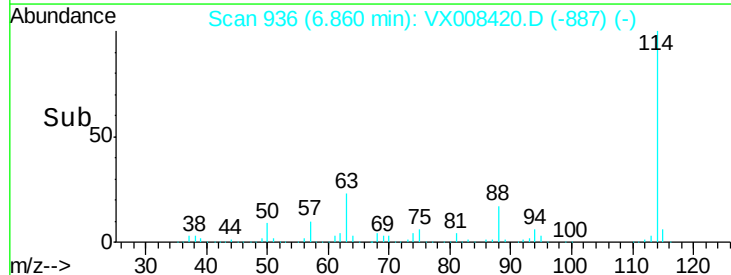
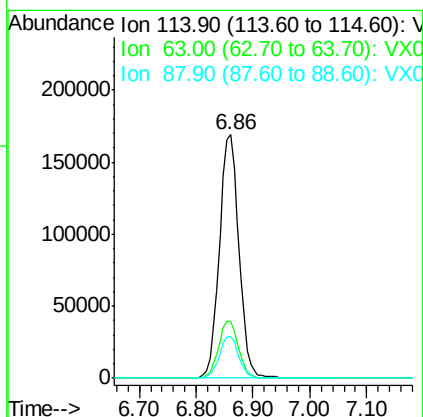
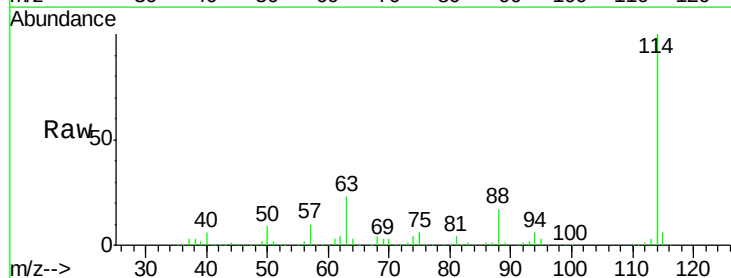
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBL01

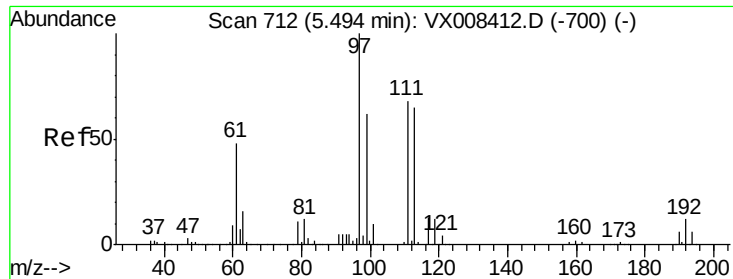
Tot Ion: 65 Resp: 167963
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008420.D
 Acq: 25 Mar 2019 19:27

Tgt Ion: 114 Resp: 401594
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.4
 88 16.9 0.0 33.2

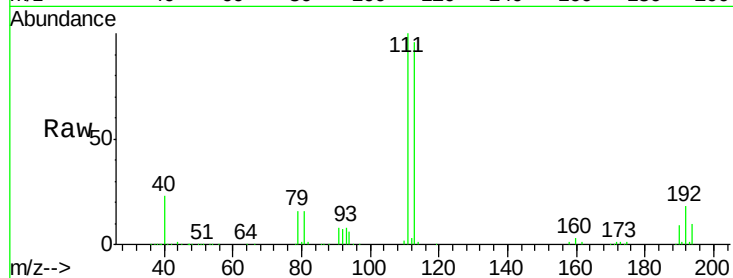




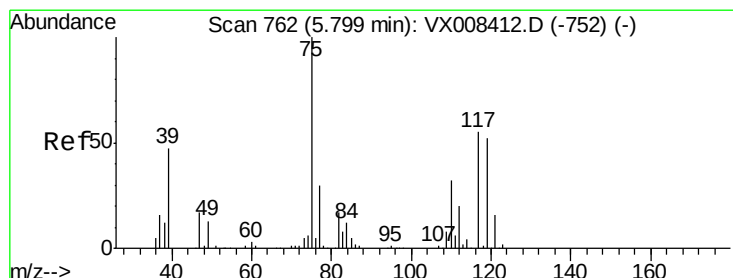
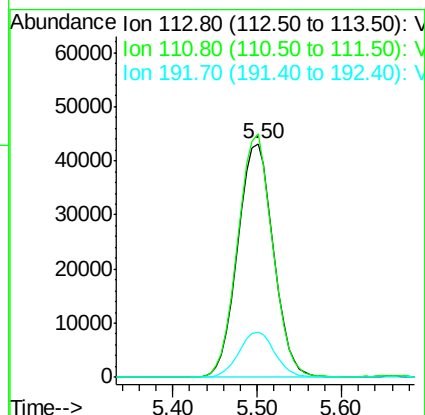
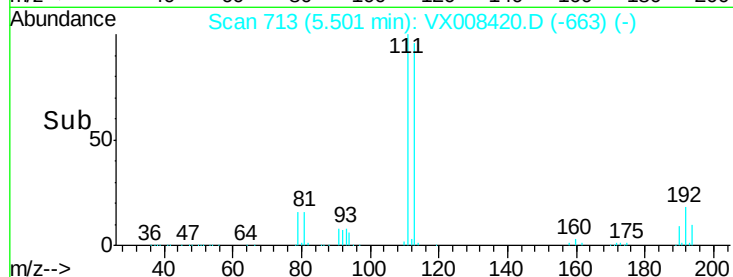
#35
 Dibromofluoromethane
 Concen: 47.401 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008420.D
 Acq: 25 Mar 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBL01

Tot Ion:113 Resp: 124123
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.0 124.4
 192 19.5 15.6 23.4

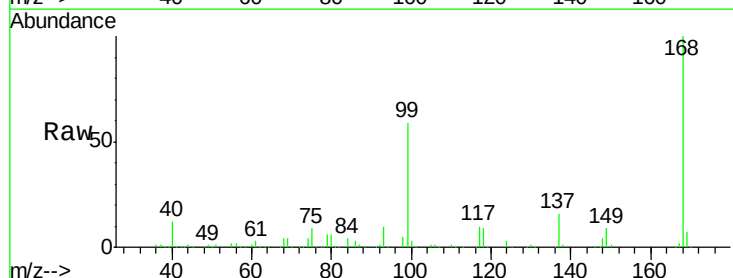


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

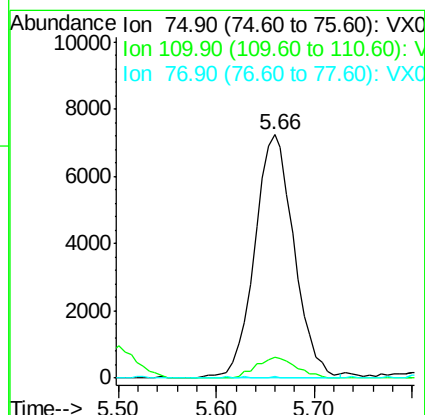
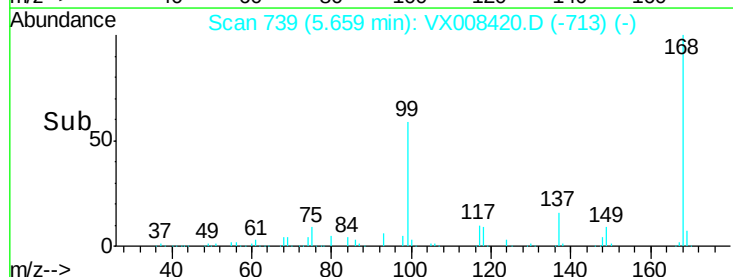


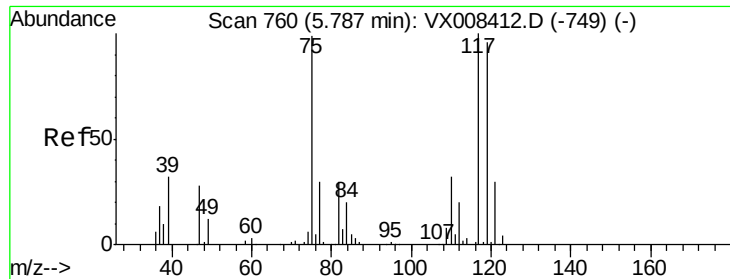
#36
 1,1-Dichloropropene
 Concen: 4.729 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008420.D
 Acq: 25 Mar 2019 19:27

Tgt Ion: 75 Resp: 20251
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.6 49.7#
 77 0.1 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.652 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

VX0325WBL01

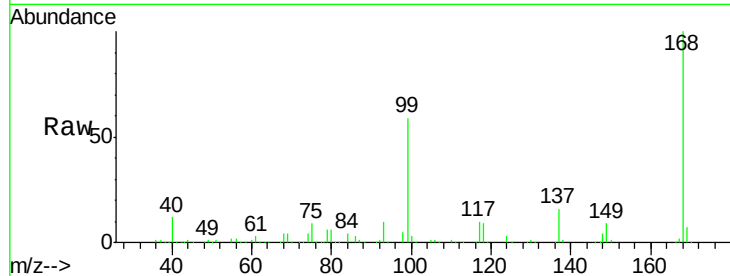
Tot Ion:117 Resp: 23770

Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

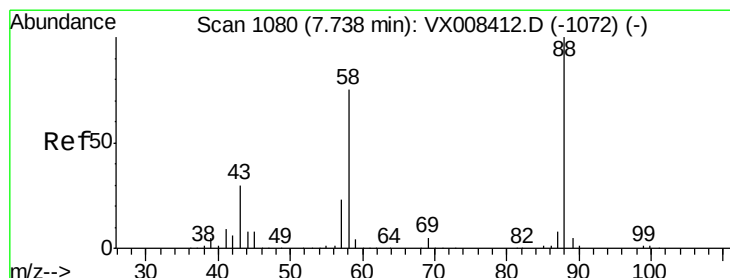
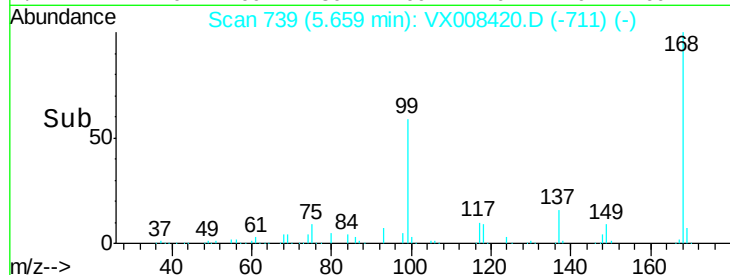
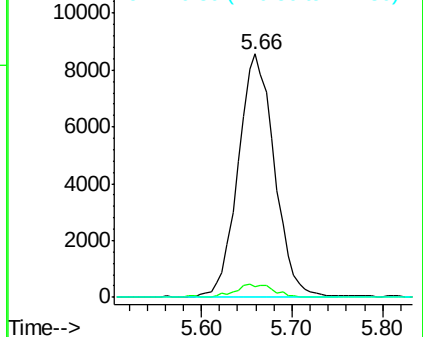
121 0.0 24.3 36.5#



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: 0.215 ug/l

RT: 7.97 min Scan# 1118

Delta R.T. 0.23 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

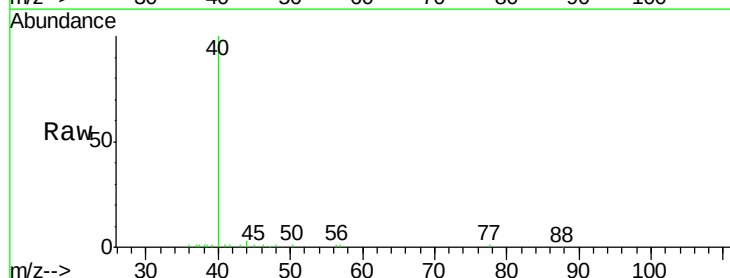
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

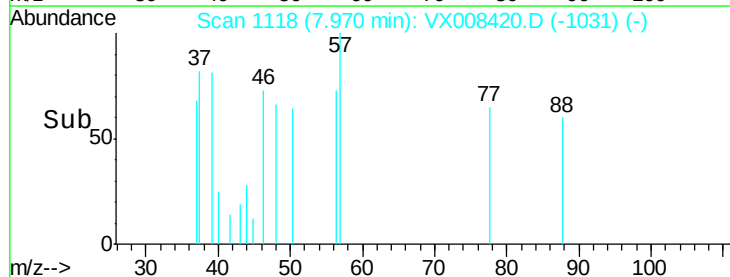
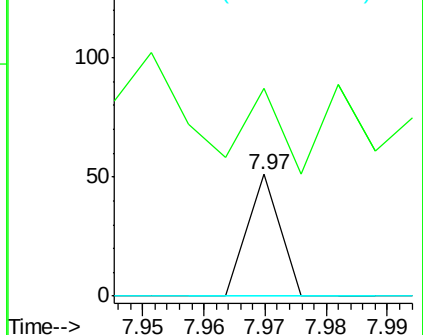
58 0.0 63.0 94.4#

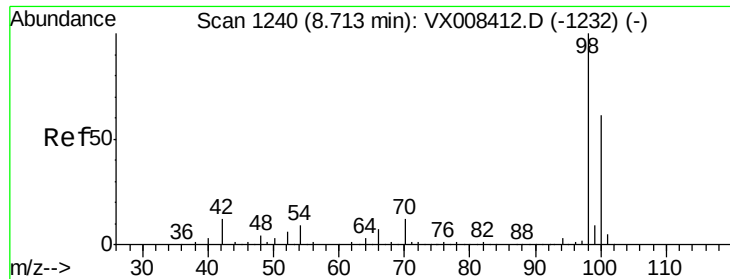


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

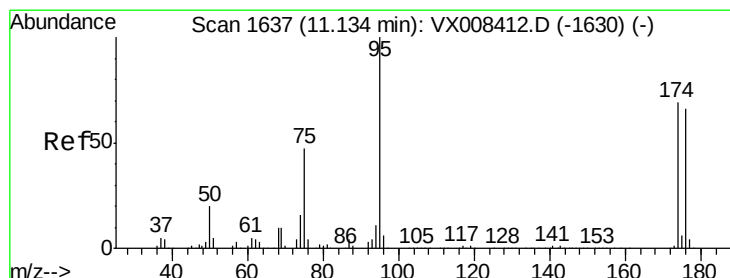
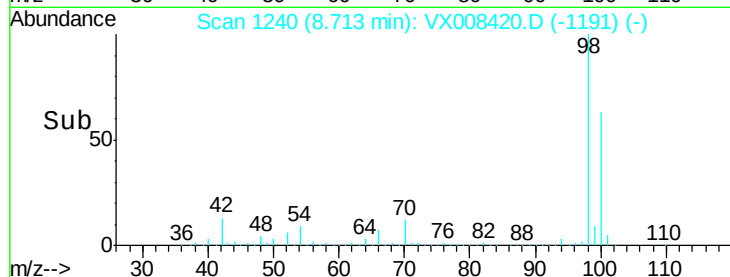
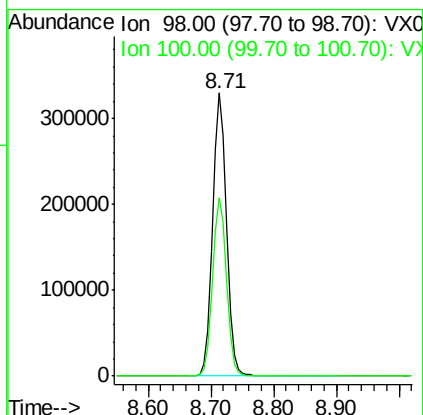
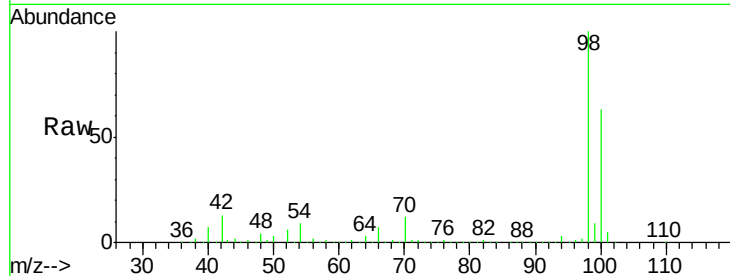




#50
Toluene-d8
Concen: 48.061 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008420.D
Acq: 25 Mar 2019 19:27

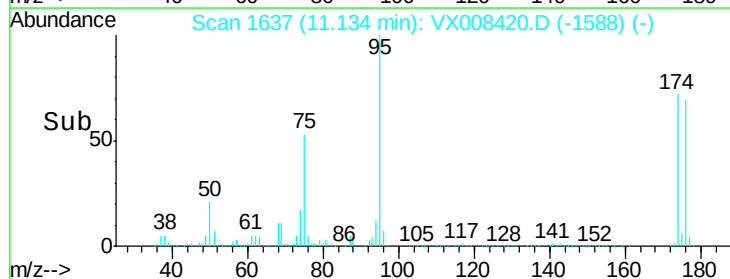
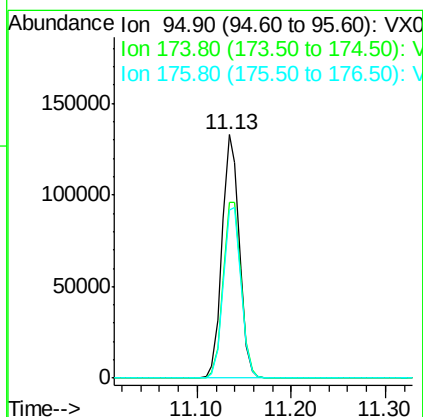
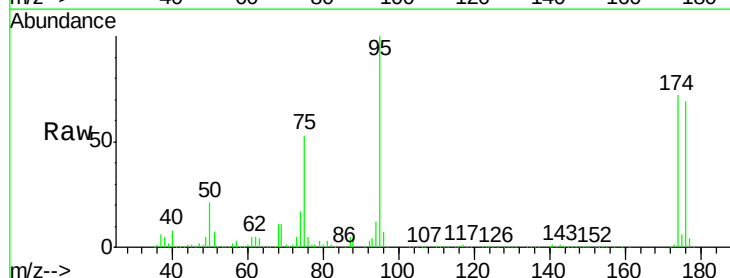
Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

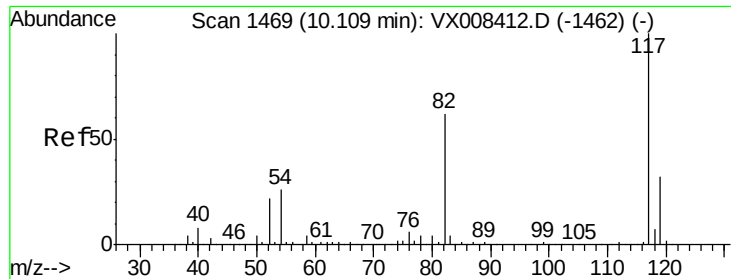
Tot Ion: 98 Resp: 503225
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.458 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008420.D
Acq: 25 Mar 2019 19:27

Tgt Ion: 95 Resp: 168618
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.2
176 72.1 0.0 142.4

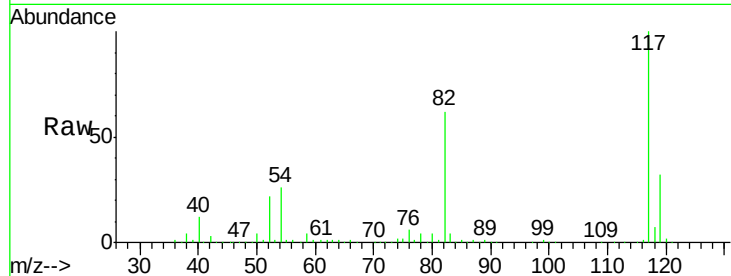




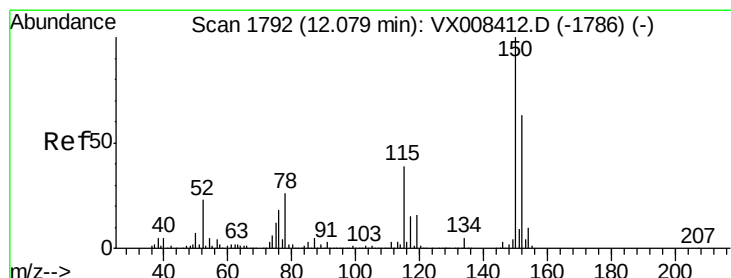
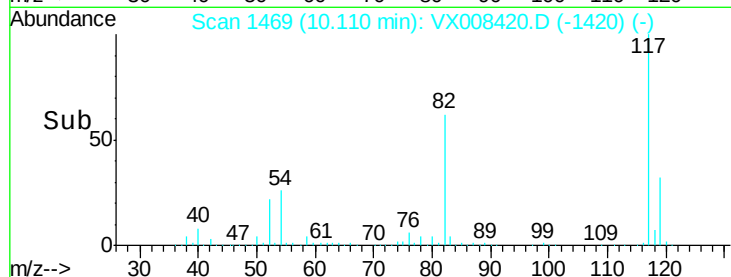
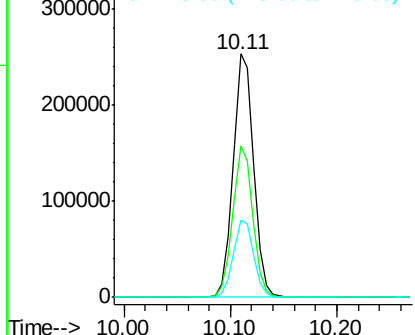
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008420.D
Acq: 25 Mar 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
VX0325WBL01

Tot Ion:117 Resp: 343005
Ion Ratio Lower Upper
117 100
82 62.4 49.4 74.2
119 31.7 25.4 38.0

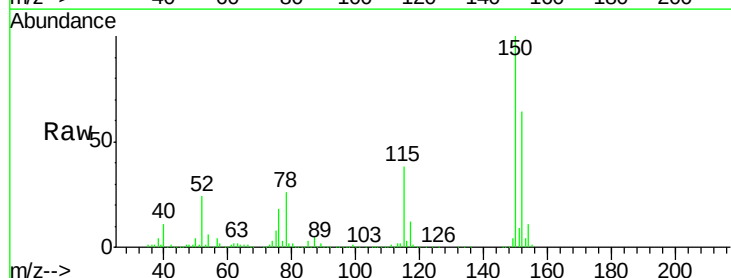


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

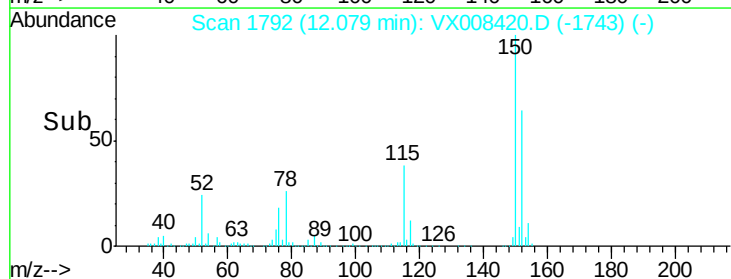
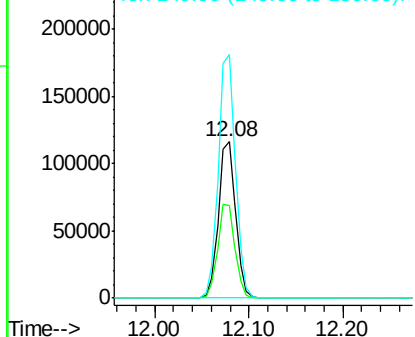


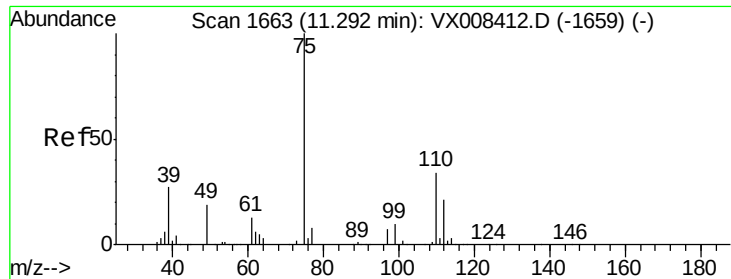
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008420.D
Acq: 25 Mar 2019 19:27

Tgt Ion:152 Resp: 146931
Ion Ratio Lower Upper
152 100
115 60.5 43.5 130.5
150 155.4 0.0 348.8



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: 20.208 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

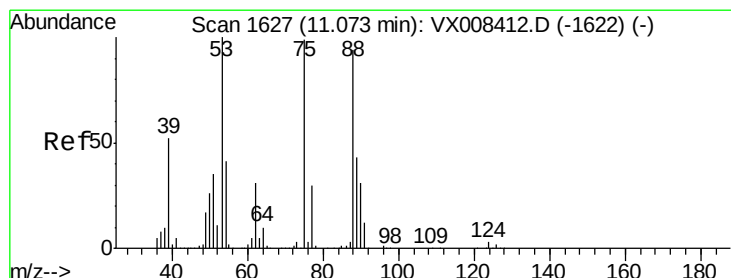
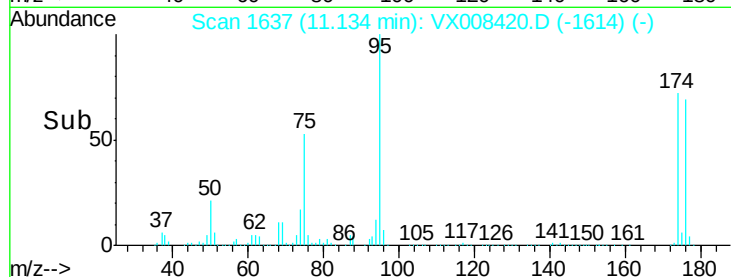
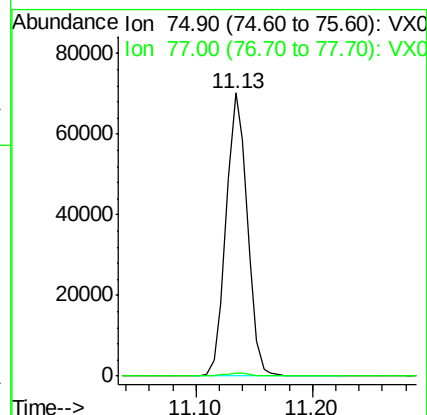
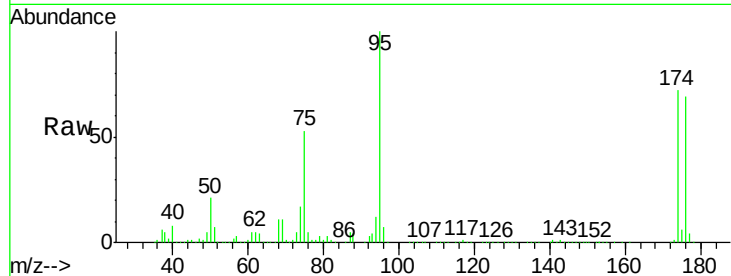
VX0325WBL01

Tot Ion: 75 Resp: 88273

Ion Ratio Lower Upper

75 100

77 1.4 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.725 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008420.D

Acq: 25 Mar 2019 19:27

Tgt Ion: 75 Resp: 88273

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#

