

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004108.D
 Acq On : 16 Aug 2018 08:00
 Operator : JC/MD
 Sample : J4495-10DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW513-180814DL

Quant Time: Aug 16 08:33:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	239198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	185135	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	5.50	113	157264	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
50) Toluene-d8	8.72	98	556590	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.14	95	183790	43.56	ug/l	0.00
Spiked Amount			Recovery	=	87.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	744	0.30	ug/l	88
6) Chloroethane	1.58	64	4491	0.44	ug/l #	42
10) Methyl Iodide	2.51	142	353	5.12	ug/l #	88
11) Tert butyl alcohol	3.03	59	790	1.16	ug/l #	83
13) Acrolein	2.29	56	204	11.37	ug/l	90
16) Acetone	2.43	43	2077	1.19	ug/l	96
20) Methylene Chloride	2.86	84	790	Below Cal	#	91
25) 2-Butanone	4.70	43	1122	0.39	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	1486	0.46	ug/l	28
29) Tetrahydrofuran	5.17	42	600	0.41	ug/l #	62
31) Cyclohexane	5.65	56	4592	0.99	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	16511	3.79	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21118	4.98	ug/l #	16
59) 2-Hexanone	9.50	43	944	0.22	ug/l	71
76) 1,2,3-Trichloropropane	11.14	75	89349	23.16	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	89349	71.70	ug/l #	10
95) Naphthalene	13.83	128	186	1.16	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Instrument :

MSVOA_X

ClientSampleId :

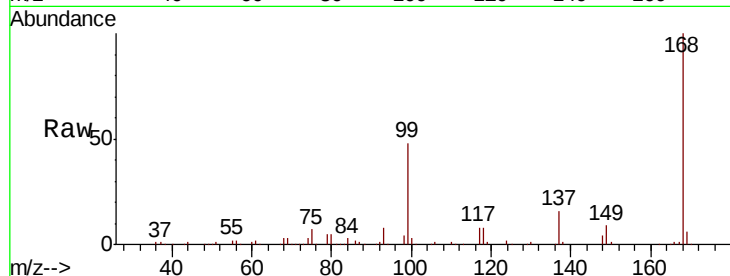
SS050MW513-180814DL

Tot Ion:168 Resp: 239198

Ion Ratio Lower Upper

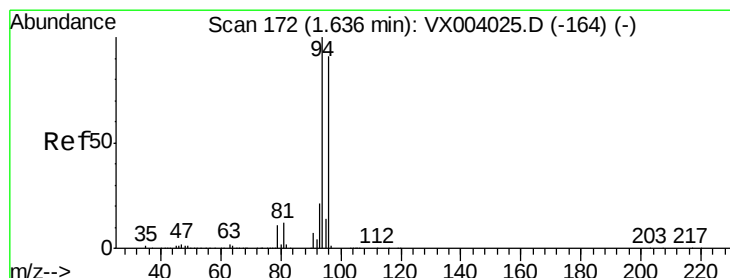
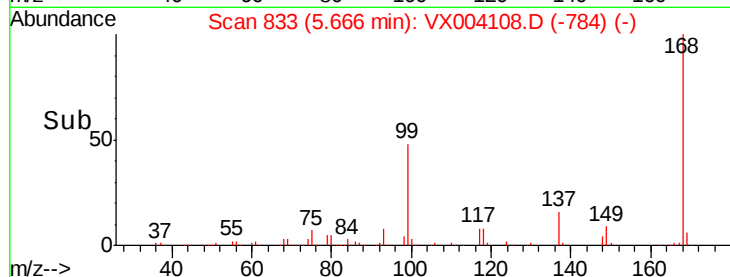
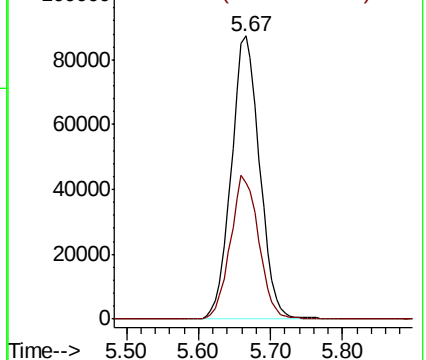
168 100

99 47.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.30 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004108.D

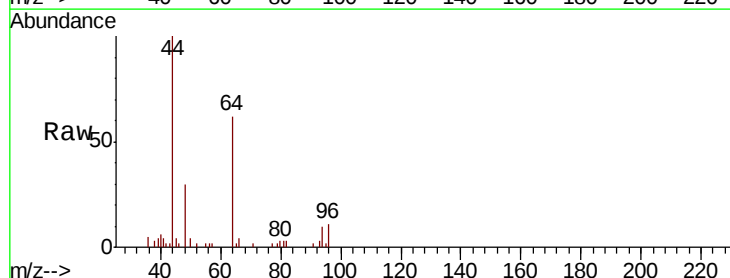
Acq: 16 Aug 2018 08:00

Tgt Ion: 94 Resp: 744

Ion Ratio Lower Upper

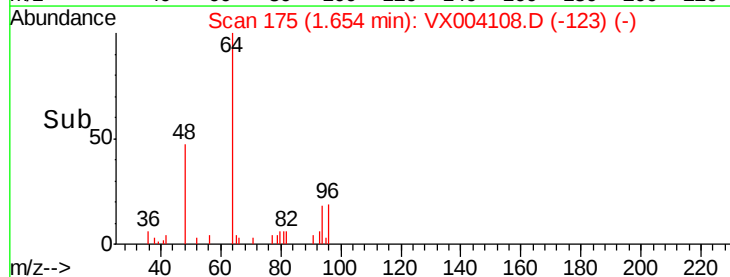
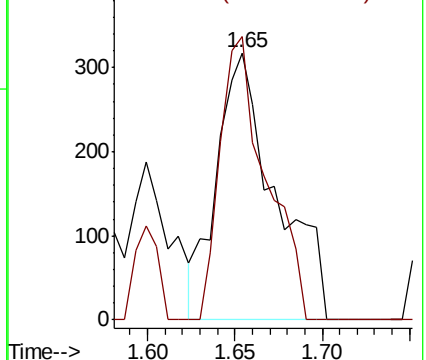
94 100

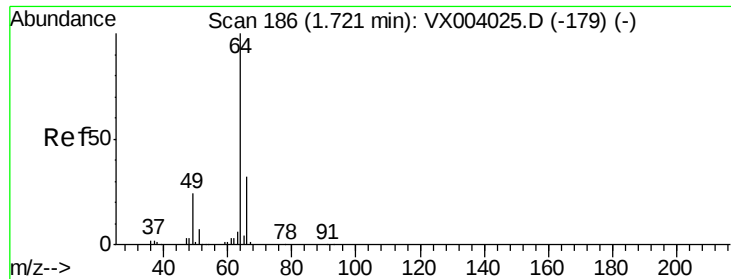
96 106.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.44 ug/l

RT: 1.58 min Scan# 163

Delta R.T. -0.14 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Instrument :

MSVOA_X

ClientSampleId :

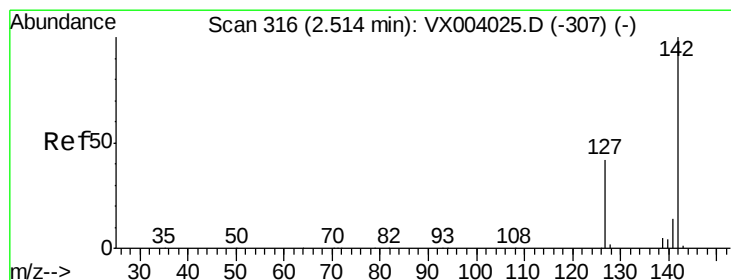
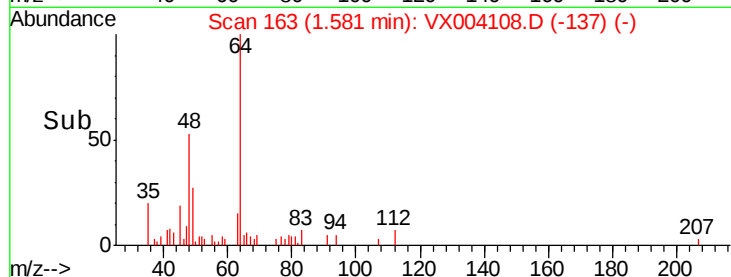
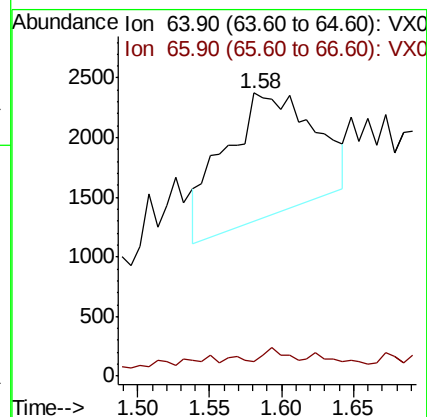
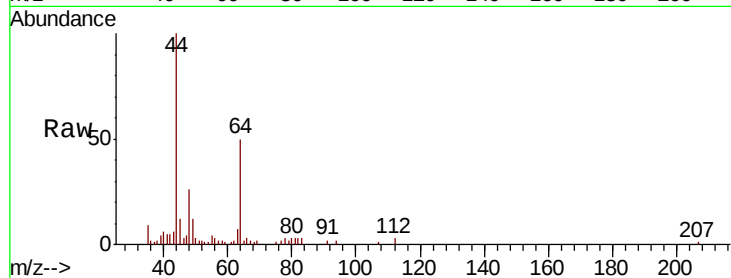
SS050MW513-180814DL

Tot Ion: 64 Resp: 4491

Ion Ratio Lower Upper

64 100

66 0.1 26.5 39.7#



#10

Methyl Iodide

Concen: 5.12 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

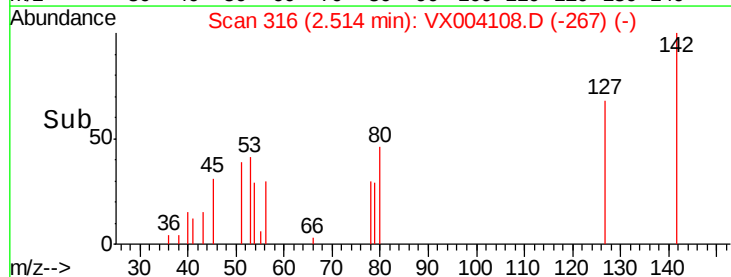
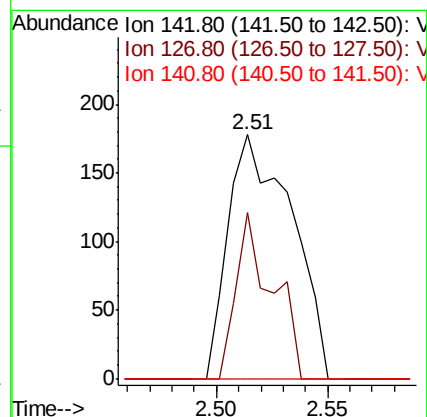
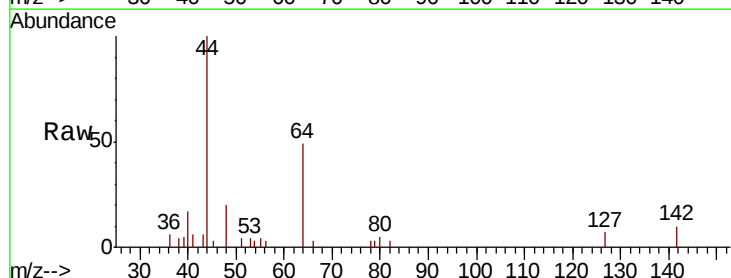
Tgt Ion: 142 Resp: 353

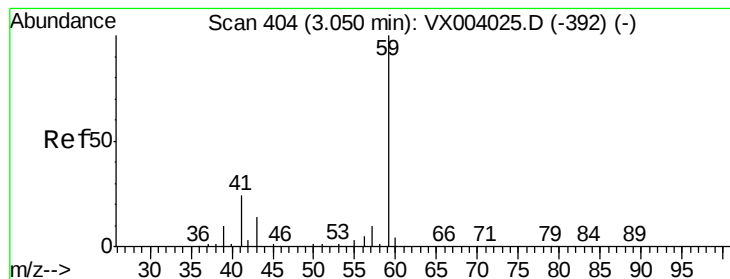
Ion Ratio Lower Upper

142 100

127 38.8 33.1 49.7

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 1.16 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.02 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Instrument :

MSVOA_X

ClientSampleId :

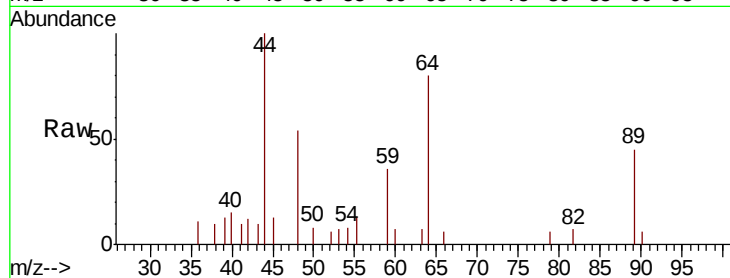
SS050MW513-180814DL

Tot Ion: 59 Resp: 790

Ion Ratio Lower Upper

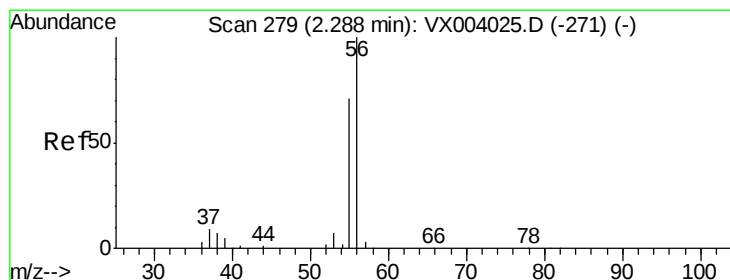
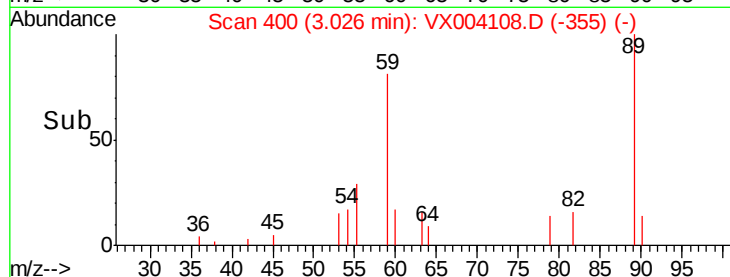
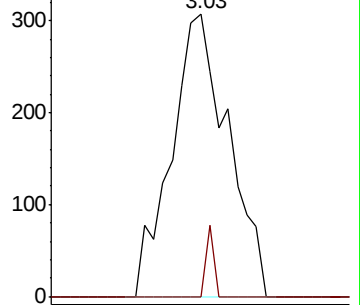
59 100

57 3.7 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 11.37 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004108.D

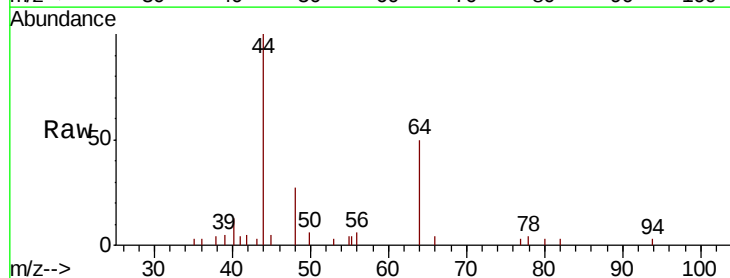
Acq: 16 Aug 2018 08:00

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

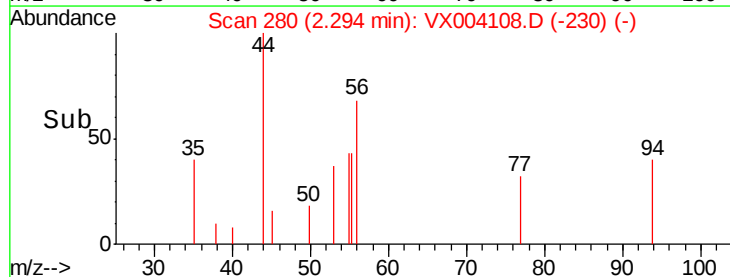
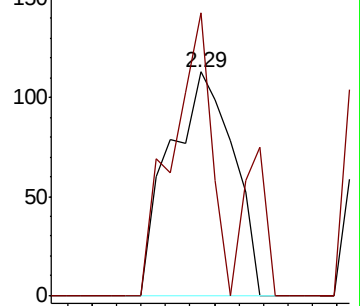
56 100

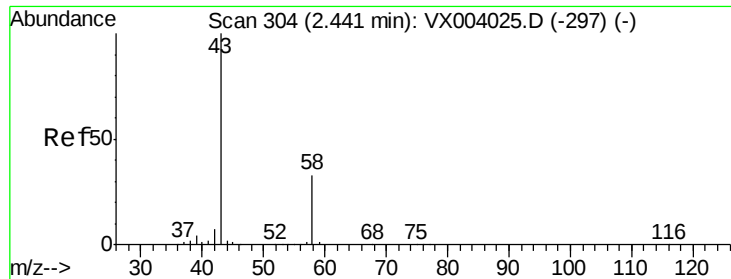
55 77.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.19 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Instrument :

MSVOA_X

ClientSampleId :

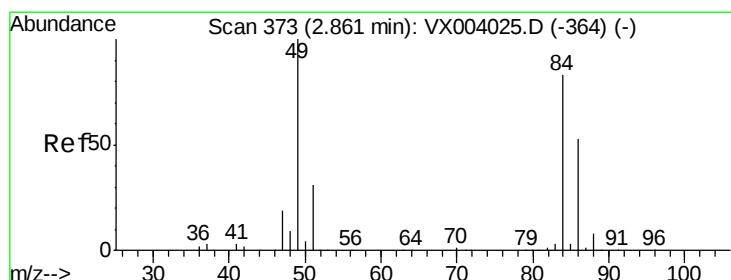
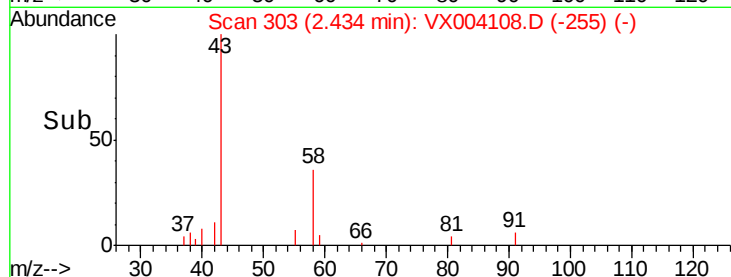
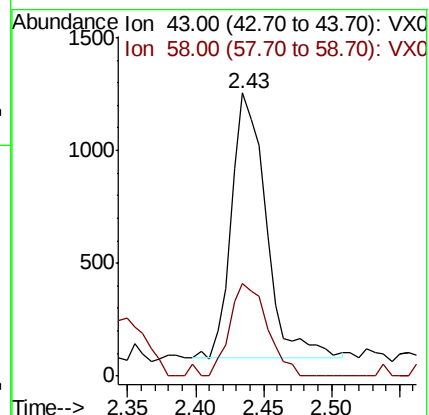
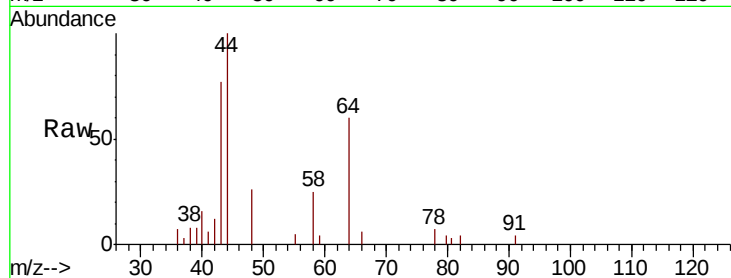
SS050MW513-180814DL

Tot Ion: 43 Resp: 2077

Ion Ratio Lower Upper

43 100

58 35.1 26.4 39.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Tgt Ion: 84 Resp: 790

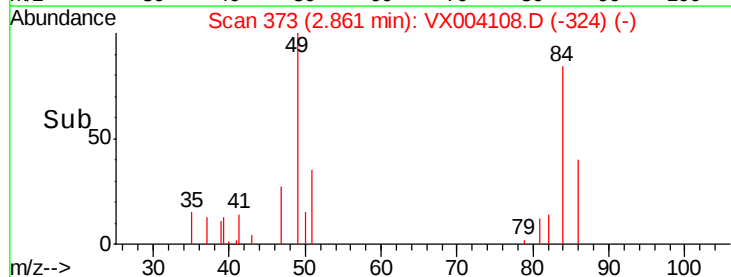
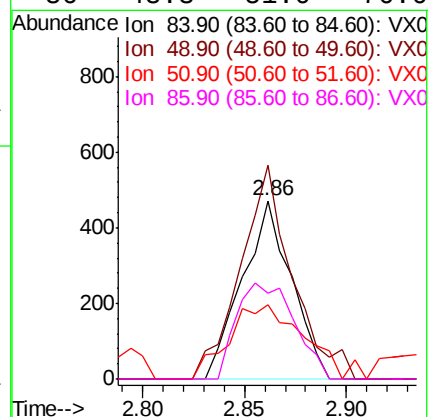
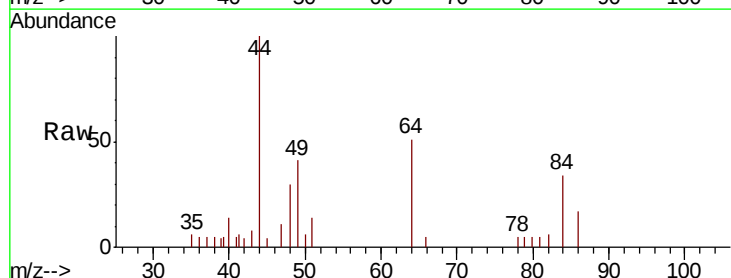
Ion Ratio Lower Upper

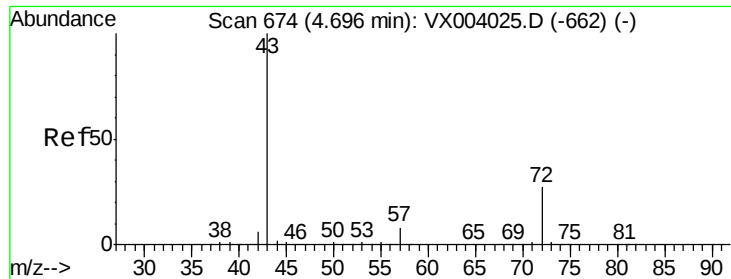
84 100

49 119.7 98.9 148.3

51 41.9 29.9 44.9

86 48.3 51.0 76.6#





#25

2-Butanone

Concen: 0.39 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Instrument :

MSVOA_X

ClientSampleId :

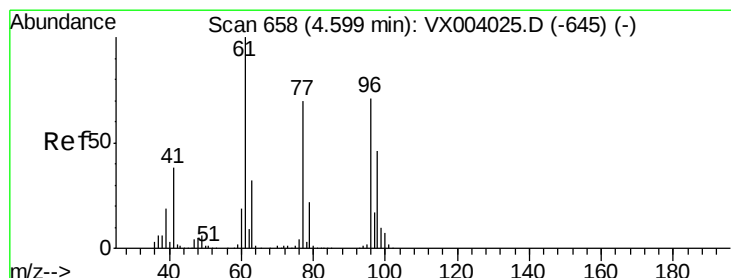
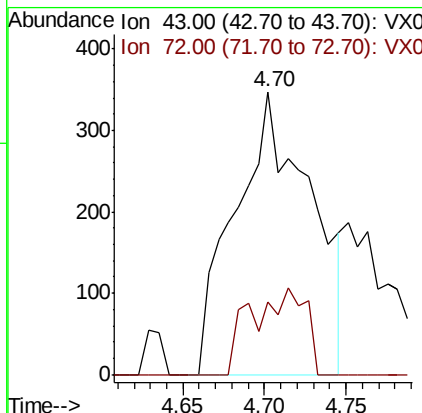
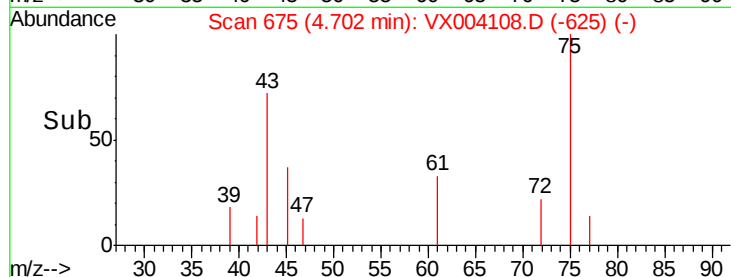
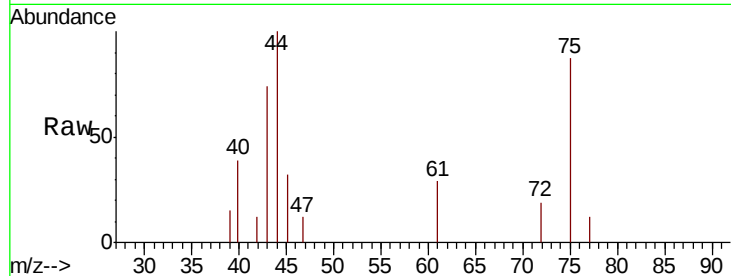
SS050MW513-180814DL

Tot Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

72 25.6 21.4 32.0



#27

cis-1,2-Dichloroethene

Concen: 0.46 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

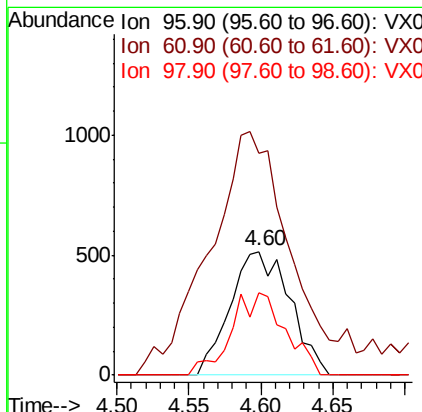
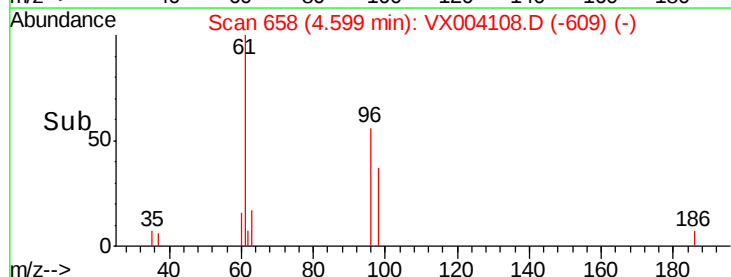
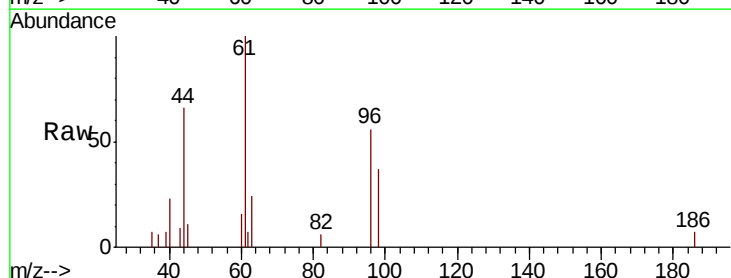
Tgt Ion: 96 Resp: 1486

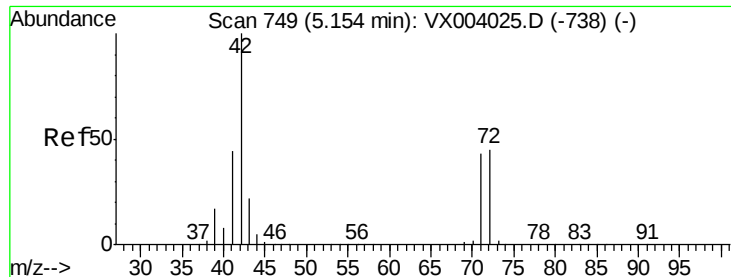
Ion Ratio Lower Upper

96 100

61 273.6 0.0 293.0

98 60.5 0.0 131.8





#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Instrument :

MSVOA_X

ClientSampleId :

SS050MW513-180814DL

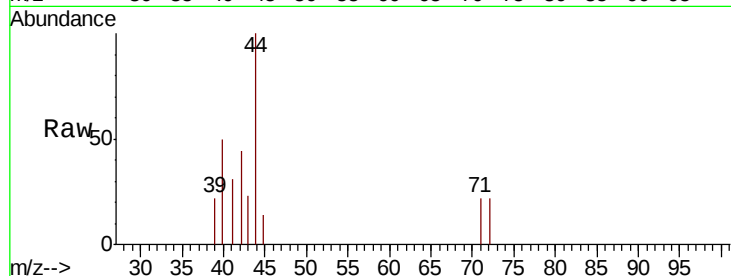
Tot Ion: 42 Resp: 600

Ion Ratio Lower Upper

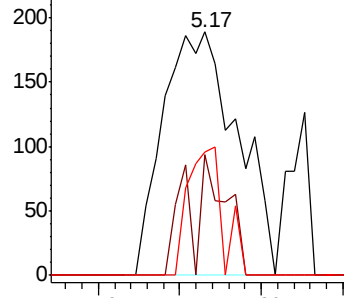
42 100

72 16.5 37.7 56.5#

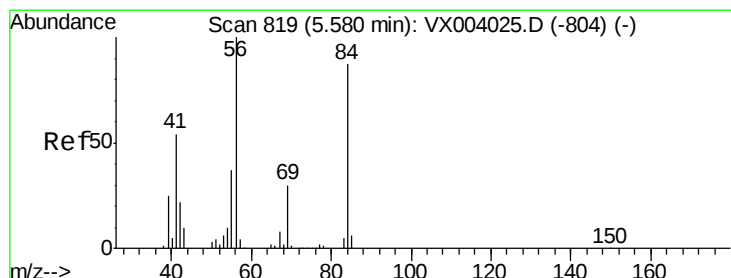
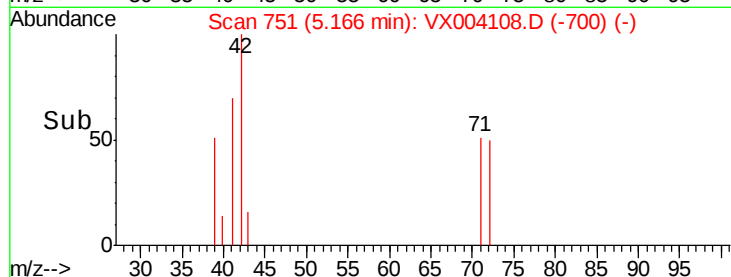
71 24.7 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.65 min Scan# 831

Delta R.T. 0.07 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

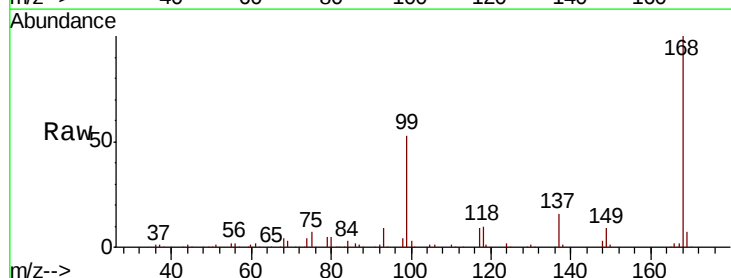
Tgt Ion: 56 Resp: 4592

Ion Ratio Lower Upper

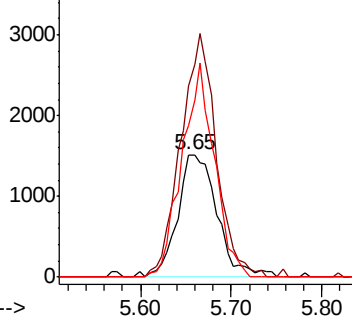
56 100

69 155.9 24.9 37.3#

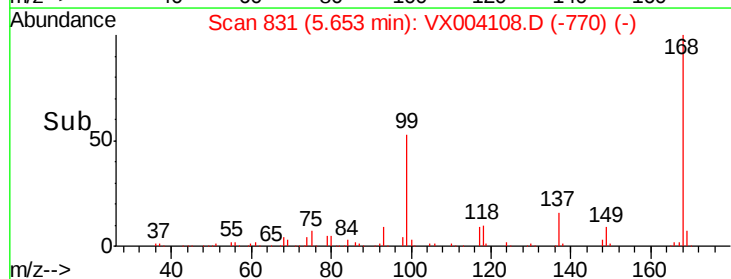
84 123.8 71.7 107.5#

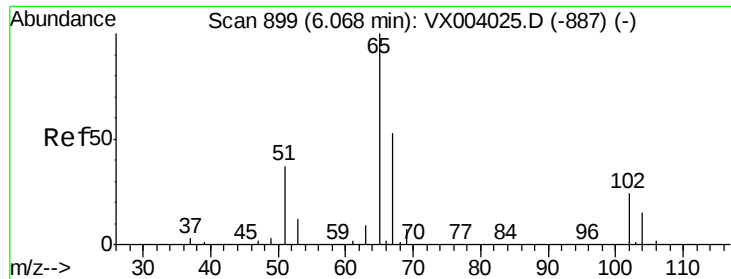


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



Time-->

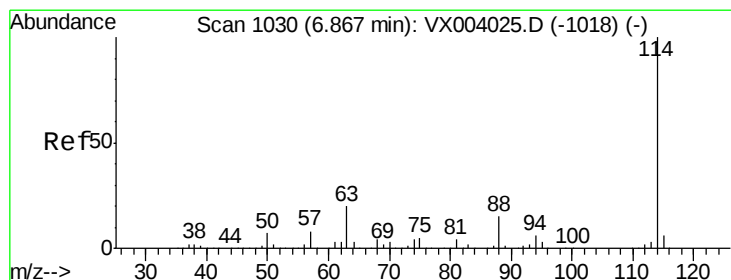
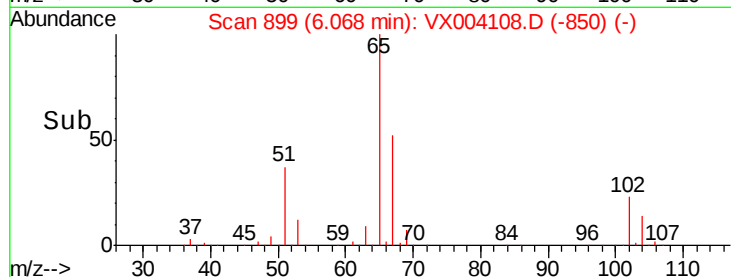
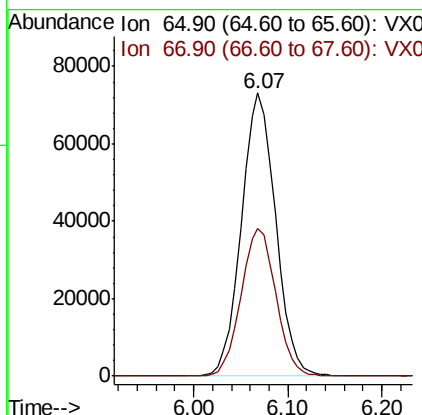
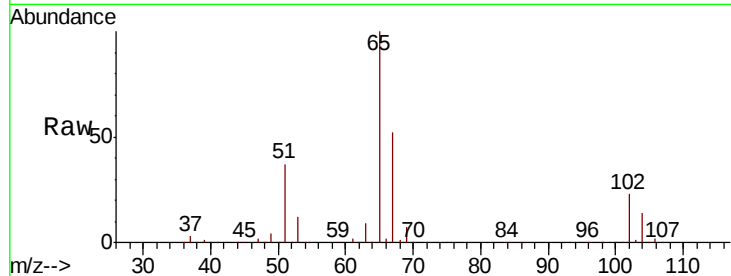




#33
 1,2-Dichloroethane-d4
 Concen: 54.93 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004108.D
 Acq: 16 Aug 2018 08:00

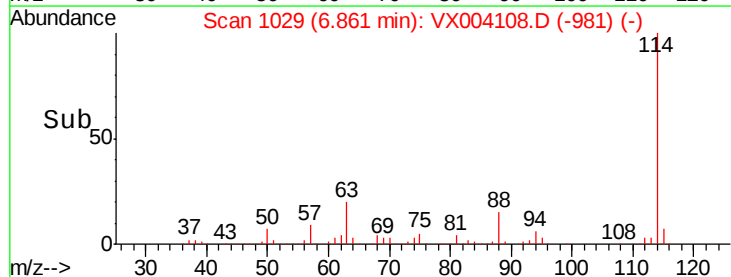
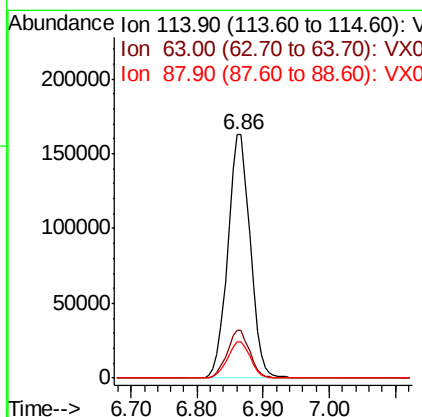
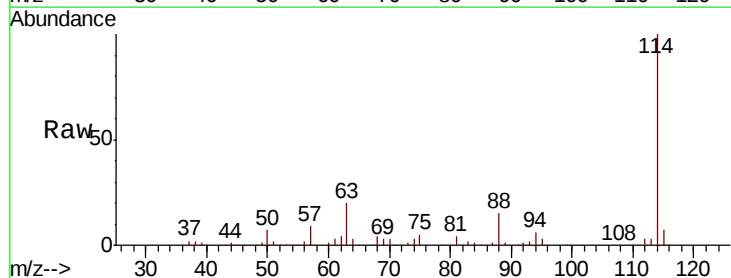
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW513-180814DL

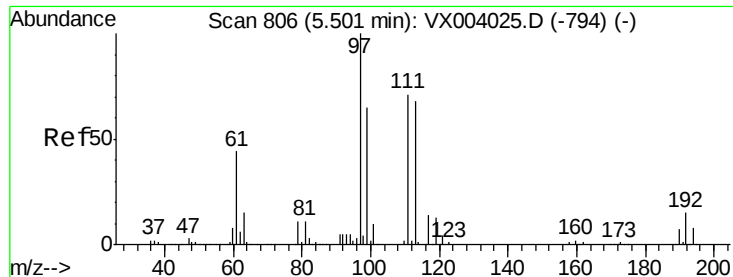
Tot Ion: 65 Resp: 185135
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004108.D
 Acq: 16 Aug 2018 08:00

Tgt Ion: 114 Resp: 383341
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.1 0.0 32.0

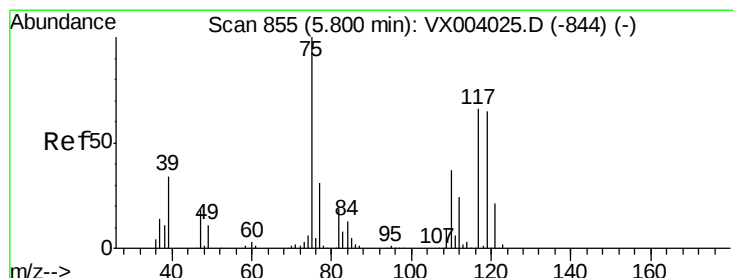
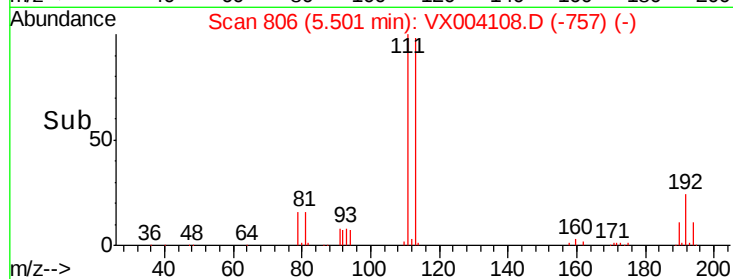
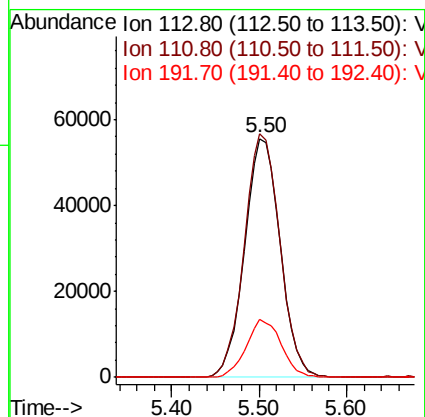
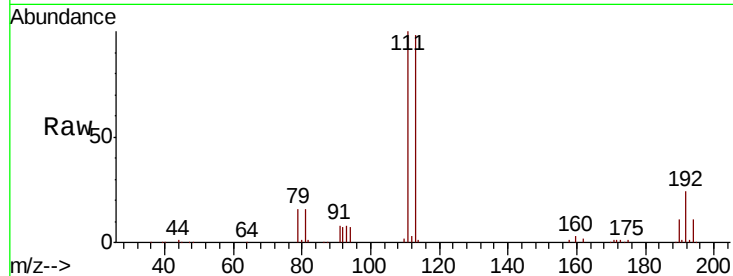




#35
 Dibromofluoromethane
 Concen: 54.81 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004108.D
 Acq: 16 Aug 2018 08:00

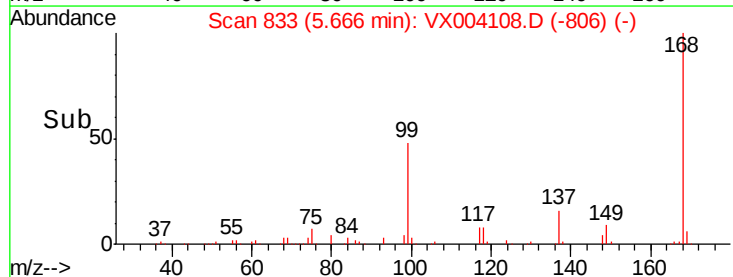
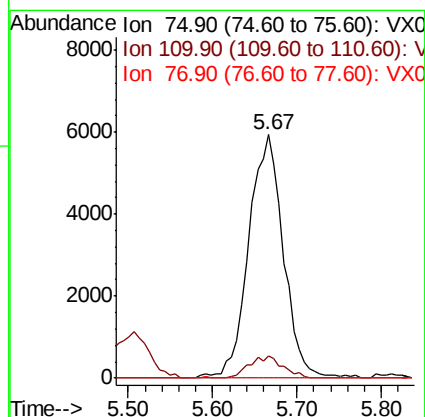
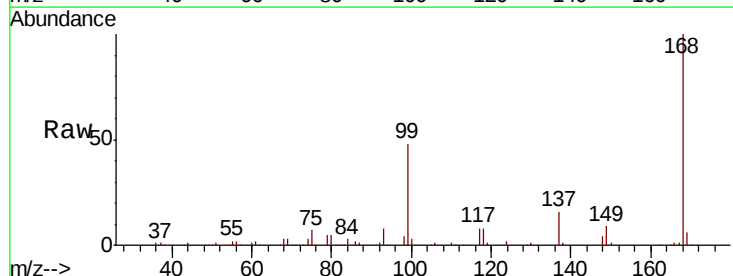
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW513-180814DL

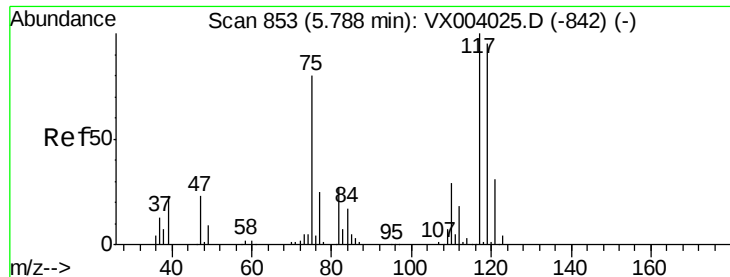
Tot Ion:113 Resp: 157264
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 23.9 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004108.D
 Acq: 16 Aug 2018 08:00

Tgt Ion: 75 Resp: 16511
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.2 54.6#
 77 0.0 25.0 37.4#

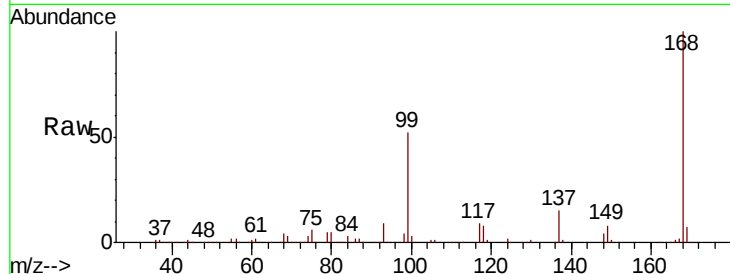




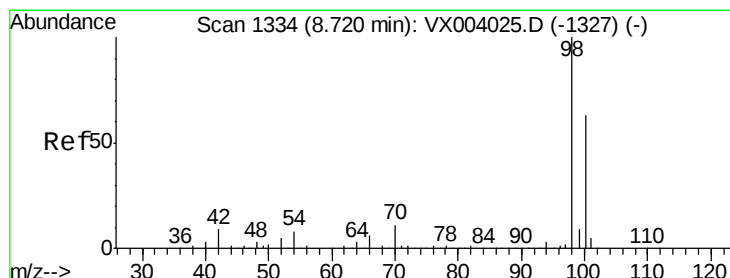
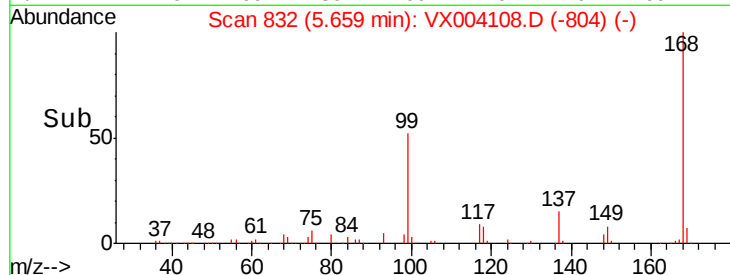
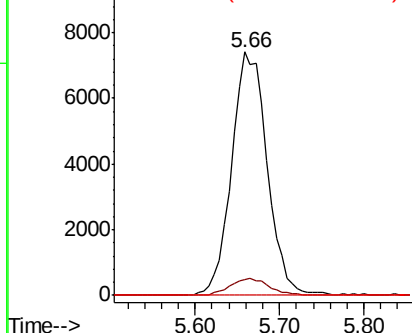
#38
Carbon Tetrachloride
Concen: 4.98 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX004108.D
Acq: 16 Aug 2018 08:00

Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-180814DL

Tot Ion:117 Resp: 21118
Ion Ratio Lower Upper
117 100
119 6.5 79.5 119.3#
121 0.0 25.0 37.4#

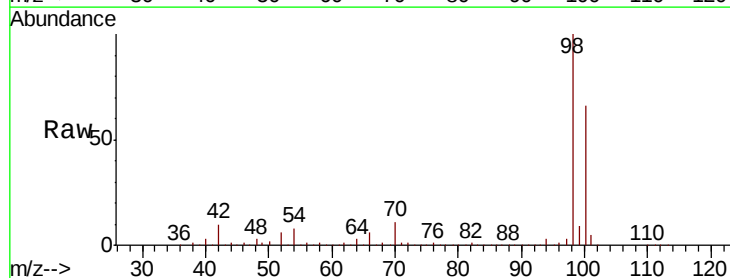


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

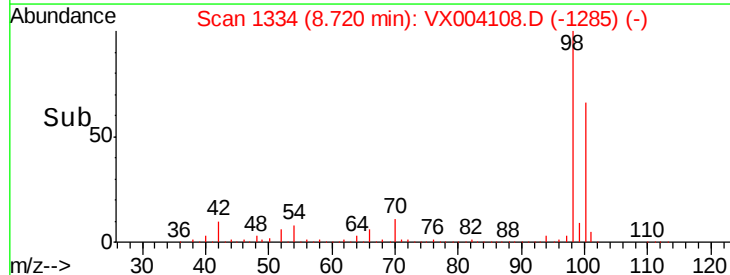
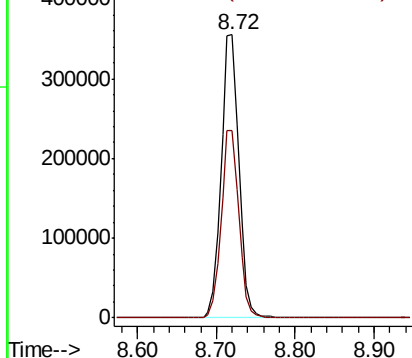


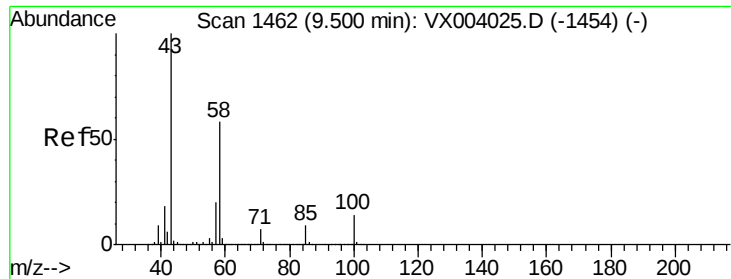
#50
Toluene-d8
Concen: 47.85 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004108.D
Acq: 16 Aug 2018 08:00

Tgt Ion: 98 Resp: 556590
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9



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

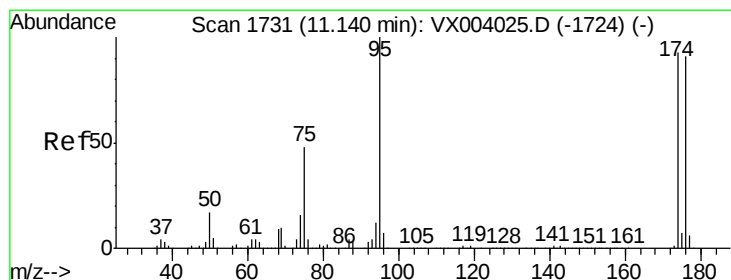
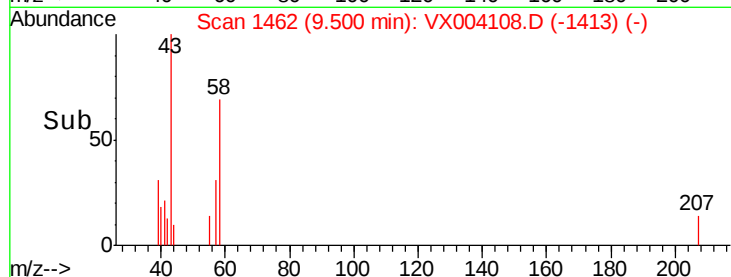
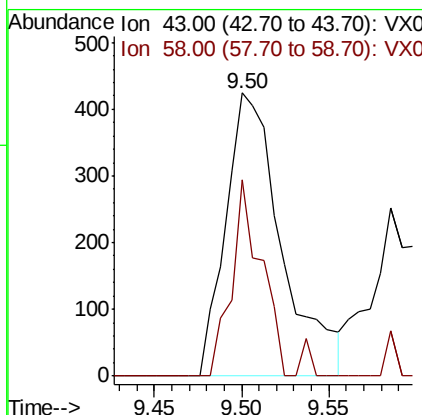
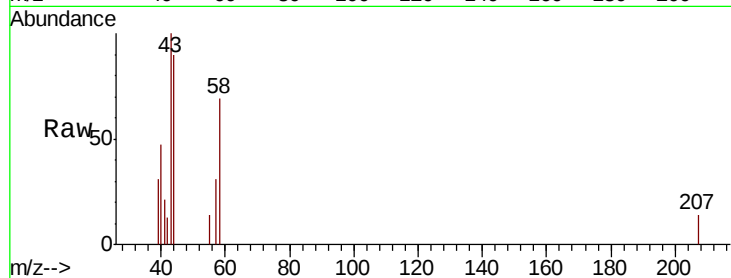




#59
2-Hexanone
Concen: 0.22 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004108.D
Acq: 16 Aug 2018 08:00

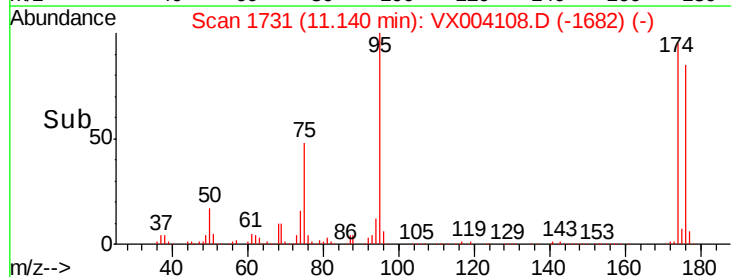
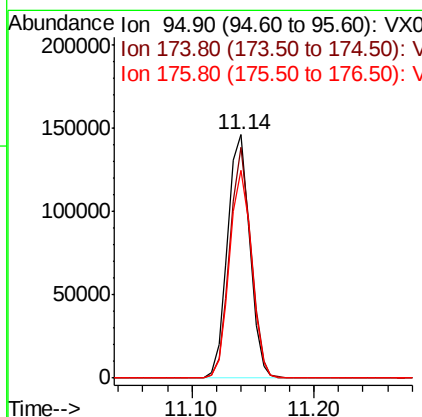
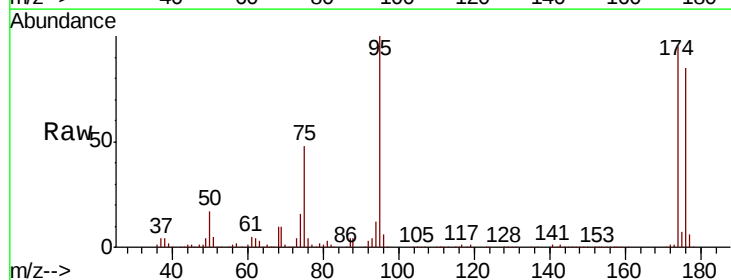
Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-180814DL

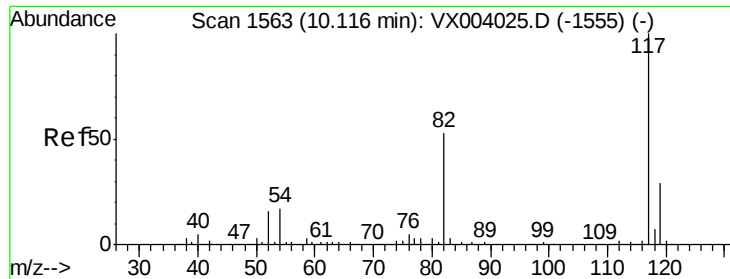
Tot Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
58 36.8 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 43.56 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004108.D
Acq: 16 Aug 2018 08:00

Tgt Ion: 95 Resp: 183790
Ion Ratio Lower Upper
95 100
174 91.3 0.0 182.8
176 85.4 0.0 179.0

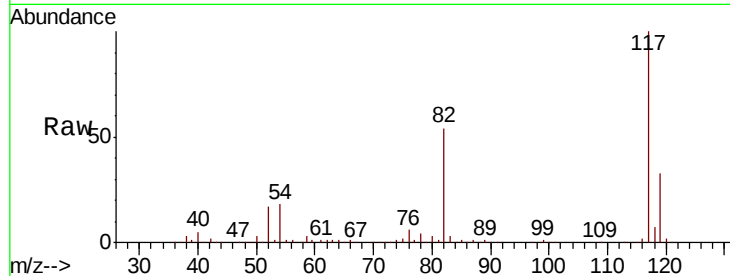




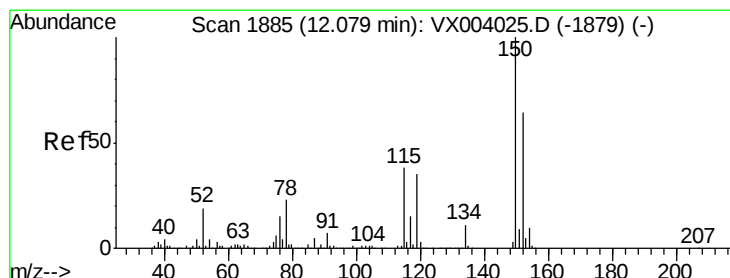
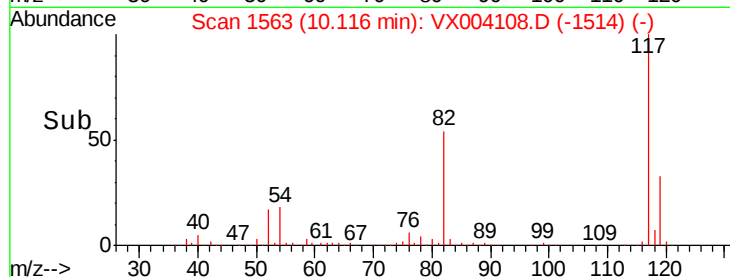
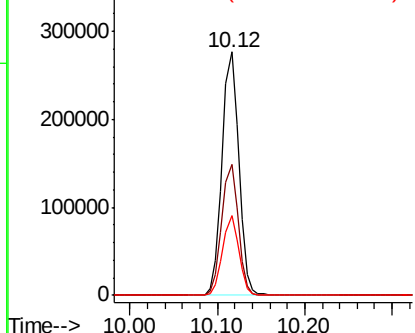
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004108.D
Acq: 16 Aug 2018 08:00

Instrument :
MSVOA_X
ClientSampleId :
SS050MW513-180814DL

Tot Ion:117 Resp: 365651
Ion Ratio Lower Upper
117 100
82 53.6 45.4 68.0
119 32.5 26.6 40.0

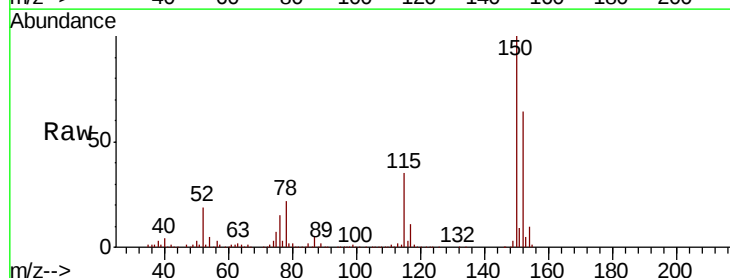


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

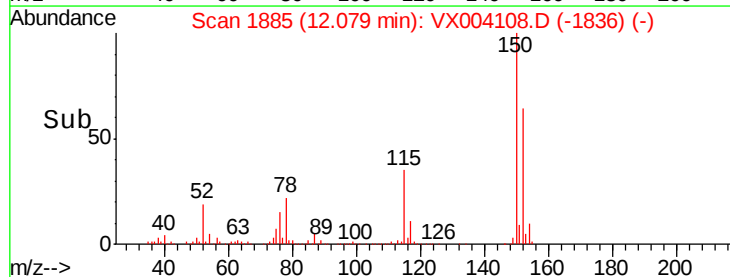
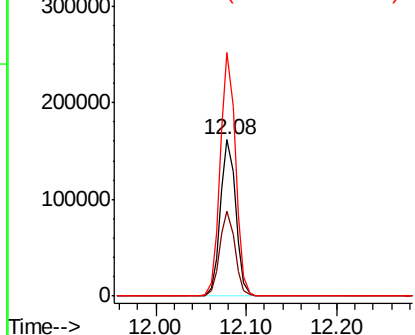


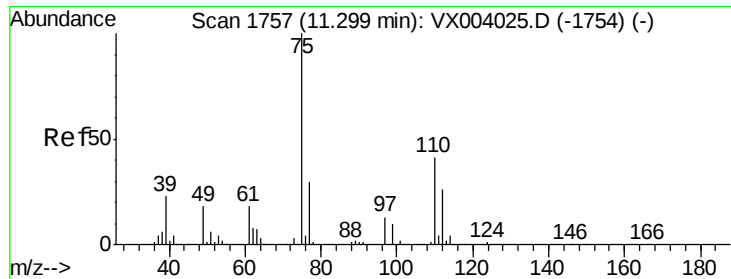
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004108.D
Acq: 16 Aug 2018 08:00

Tgt Ion:152 Resp: 192346
Ion Ratio Lower Upper
152 100
115 54.0 39.1 117.3
150 154.8 0.0 349.2



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

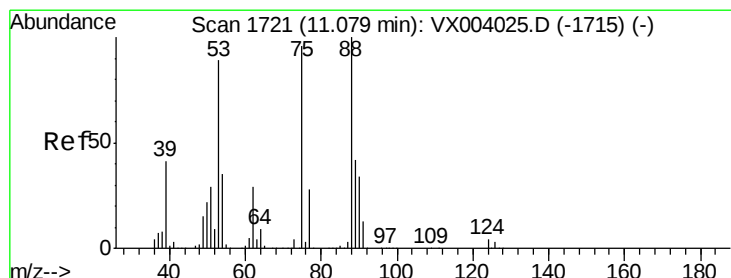
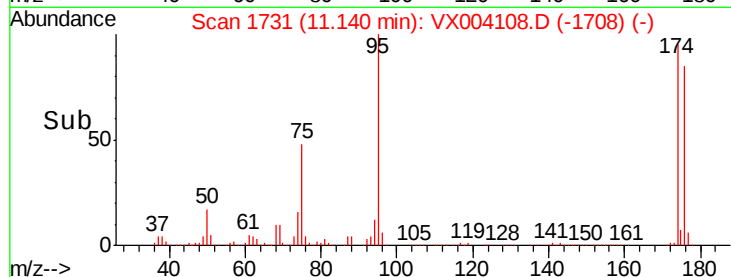
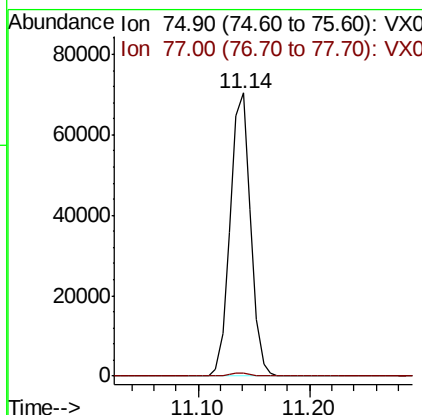
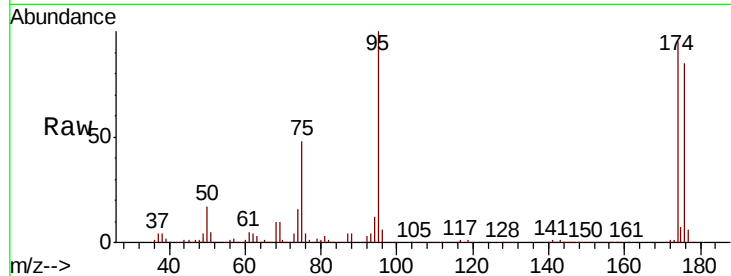




#76
 1,2,3-Trichloropropane
 Concen: 23.16 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004108.D
 Acq: 16 Aug 2018 08:00

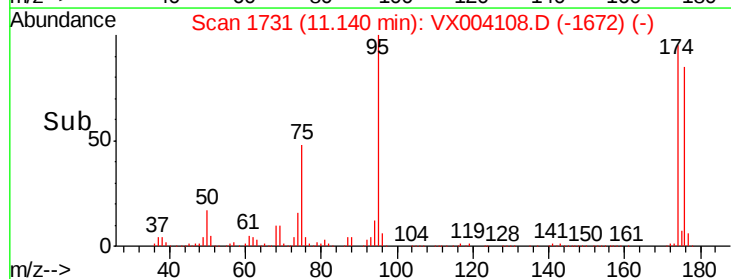
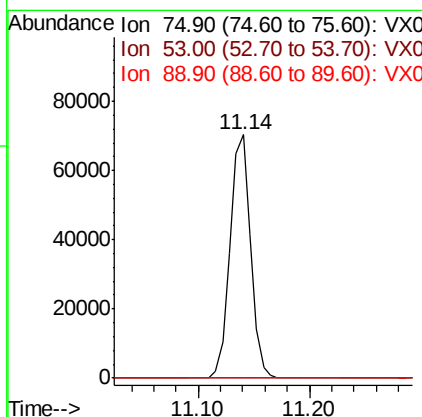
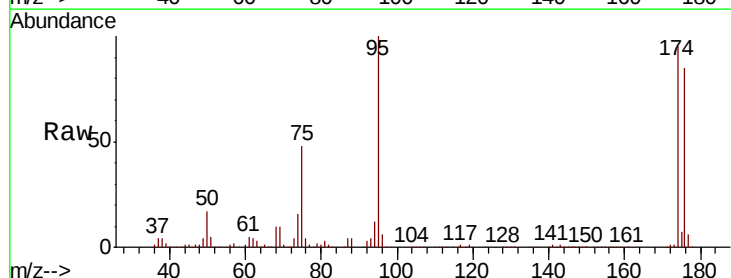
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW513-180814DL

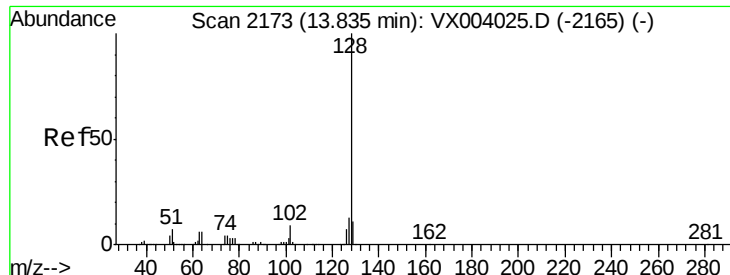
Tot Ion: 75 Resp: 89349
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.70 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004108.D
 Acq: 16 Aug 2018 08:00

Tgt Ion: 75 Resp: 89349
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.3 120.5#
 89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.16 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004108.D

Acq: 16 Aug 2018 08:00

Instrument :

MSVOA_X

ClientSampleId :

SS050MW513-180814DL

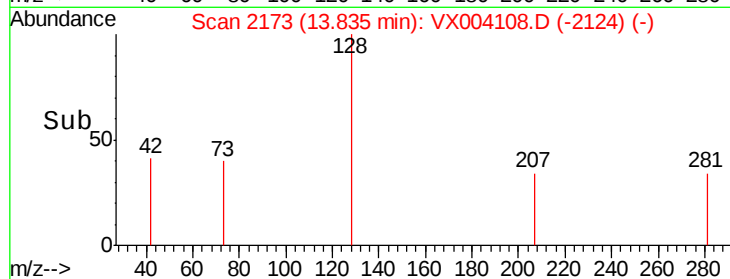
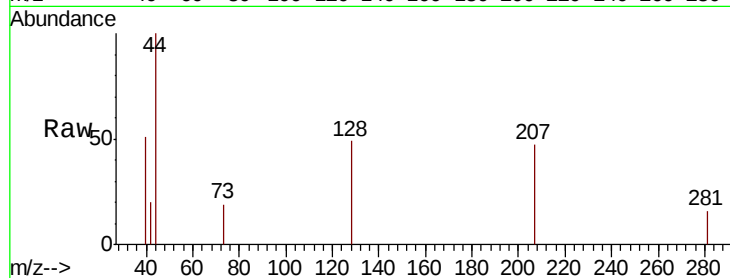
Tot Ion:128 Resp: 186

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83

150

100

50

0

Time--> 13.80 13.82 13.84 13.86