

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000579.D
 Acq On : 30 Mar 2018 23:29
 Operator : JC/MD
 Sample : J2048-03
 Misc : 11.75g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-106(2-3)

Quant Time: Mar 31 05:06:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	125193	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	215853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	220564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	123579	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	86367	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	5.51	113	65557	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	8.72	98	272210	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.15	95	103763	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	

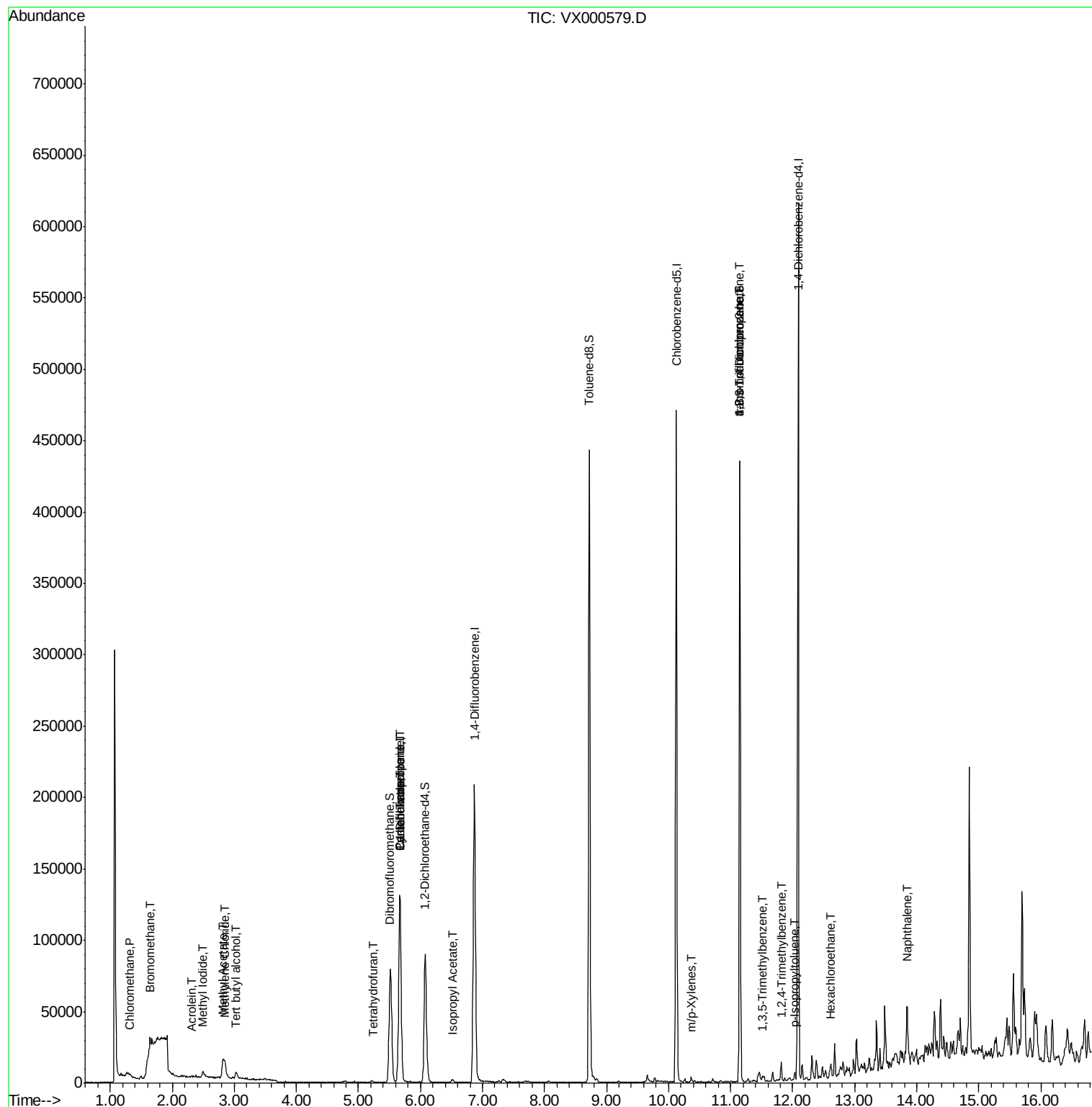
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	546	0.38	ug/l #	40
5) Bromomethane	1.64	94	4532	2.51	ug/l	87
6) Chloroethane	1.71	64	272	Below Cal		98
10) Methyl Iodide	2.49	142	3480	6.35	ug/l #	96
11) Tert butyl alcohol	3.03	59	2922	5.20	ug/l #	72
13) Acrolein	2.32	56	139	15.31	ug/l #	43
18) Methyl Acetate	2.82	43	21923	7.69	ug/l	97
20) Methylene Chloride	2.85	84	4165	2.65	ug/l #	85
29) Tetrahydrofuran	5.23	42	962	1.02	ug/l #	42
31) Cyclohexane	5.67	56	3117	1.51	ug/l #	45
36) 1,1-Dichloropropene	5.67	75	9862	4.88	ug/l #	50
38) Carbon Tetrachloride	5.67	117	12143	5.72	ug/l #	15
43) Isopropyl Acetate	6.52	43	1097	0.27	ug/l #	62
68) m/p-Xylenes	10.37	106	795	0.24	ug/l	88
74) N-amyl acetate	6.52	43	1097	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	58730	22.11	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	1871	0.27	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.15	75	58730	71.59	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	4942	0.68	ug/l	100
86) p-Isopropyltoluene	12.04	119	2629	0.34	ug/l	92
90) Hexachloroethane	12.62	117	1429	1.19	ug/l #	12
95) Naphthalene	13.84	128	25081	2.48	ug/l #	93

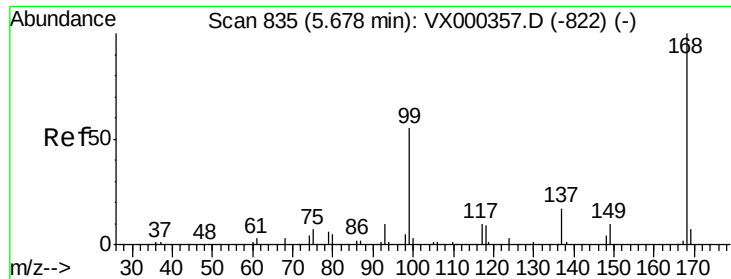
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-106(2-3)

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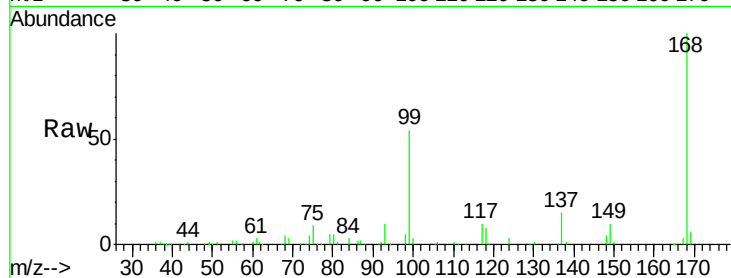




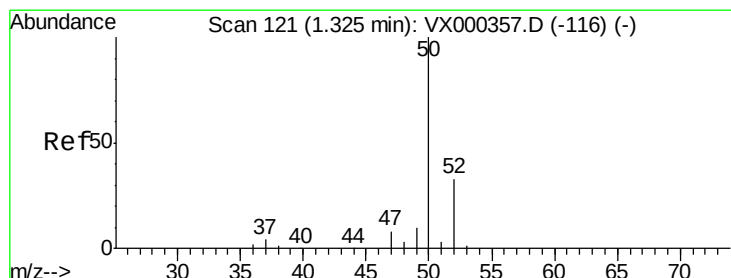
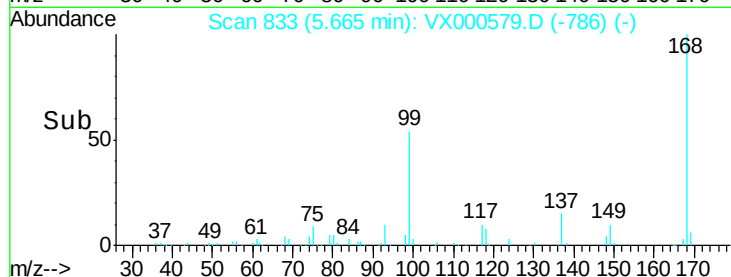
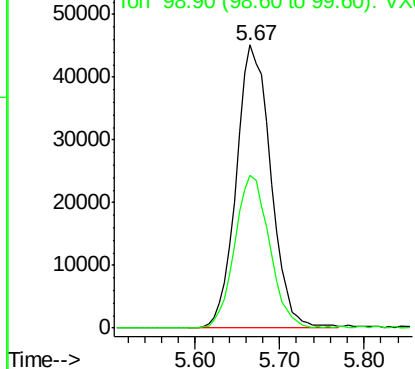
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Instrument :
MSVOA_X
ClientSampled :
SB-106(2-3)

Tgt Ion:168 Resp: 125193
Ion Ratio Lower Upper
168 100
99 53.8 45.8 68.6

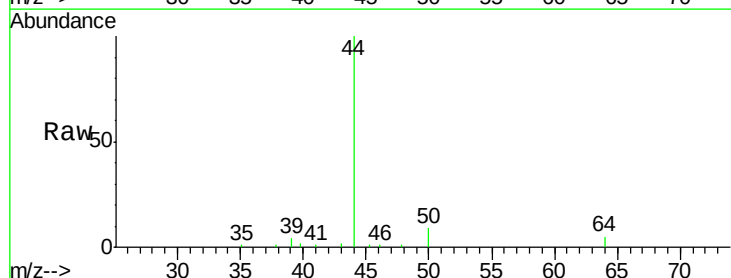


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

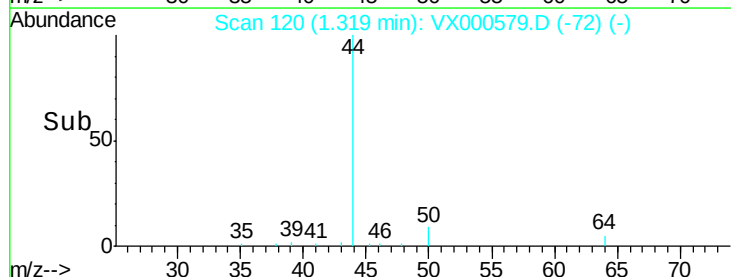
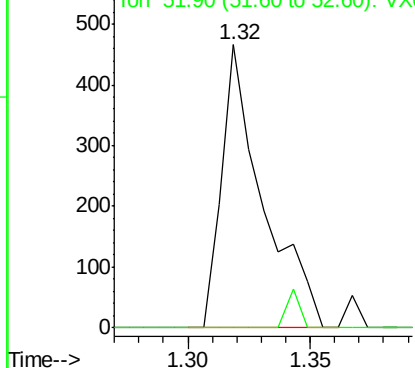


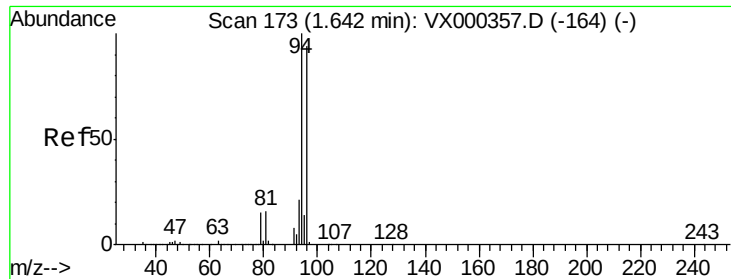
#3
Chloromethane
Concen: 0.38 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Tgt Ion: 50 Resp: 546
Ion Ratio Lower Upper
50 100
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.51 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000579.D

Acq: 30 Mar 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

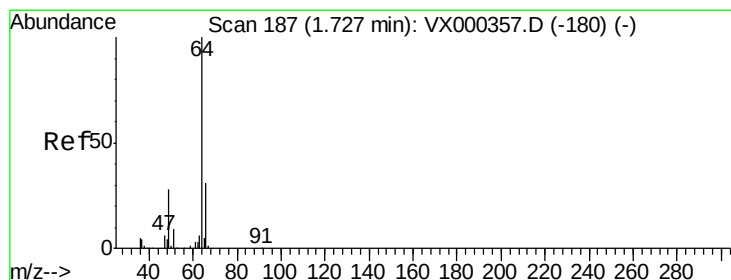
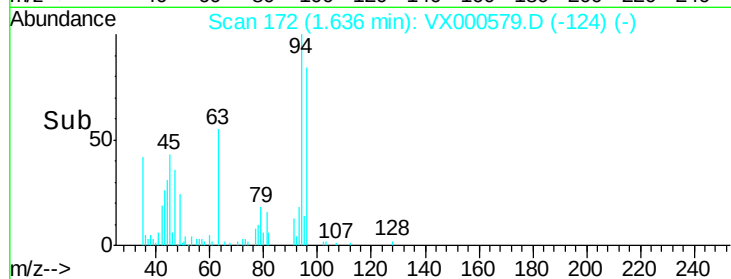
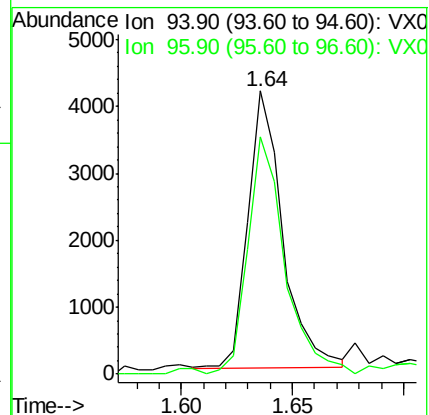
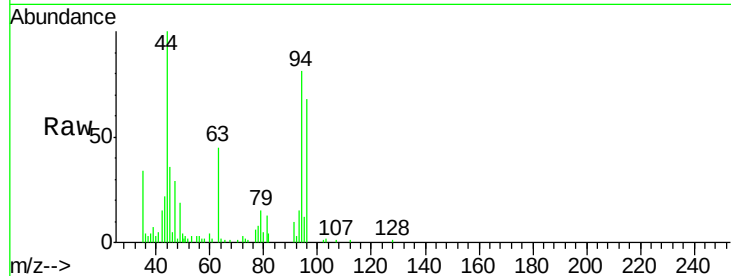
SB-106(2-3)

Tgt Ion: 94 Resp: 4532

Ion Ratio Lower Upper

94 100

96 84.0 77.7 116.5



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000579.D

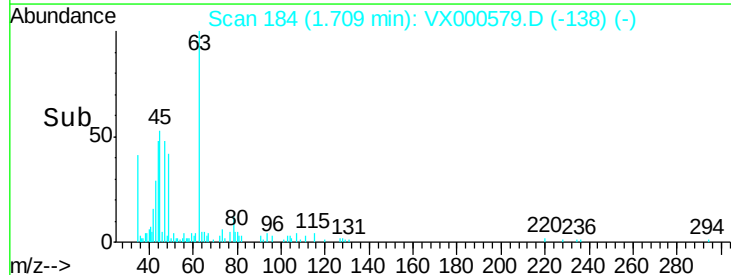
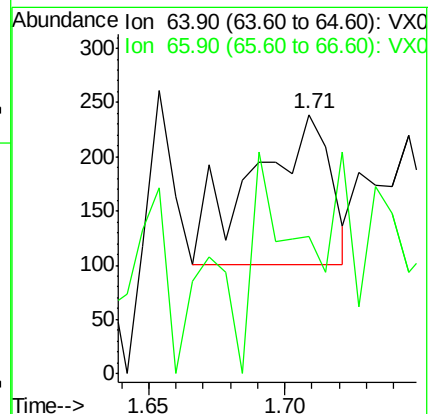
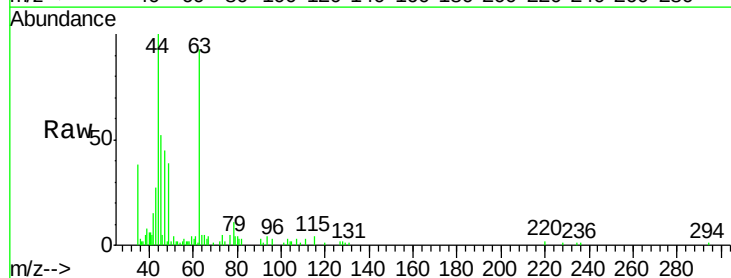
Acq: 30 Mar 2018 23:29

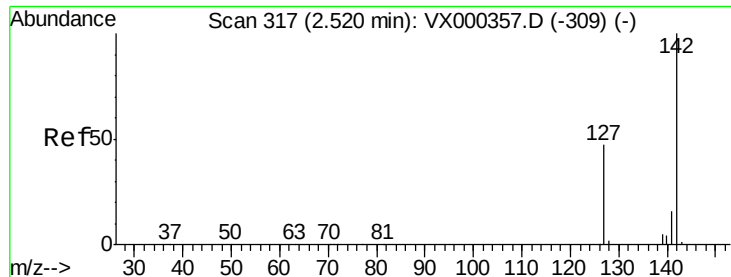
Tgt Ion: 64 Resp: 272

Ion Ratio Lower Upper

64 100

66 29.7 24.8 37.2

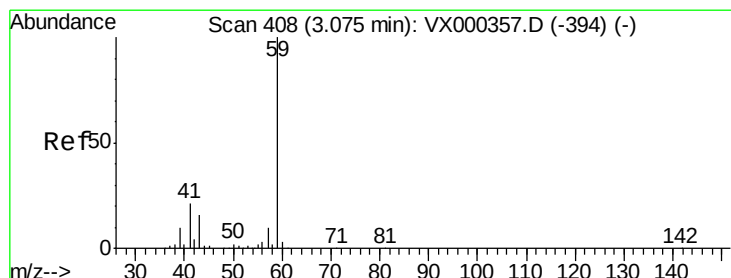
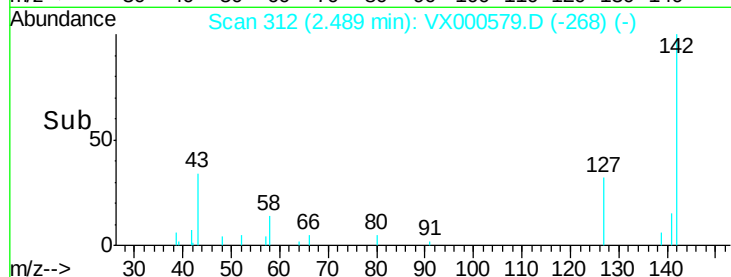
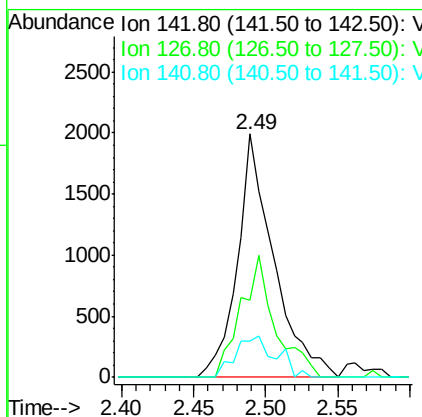
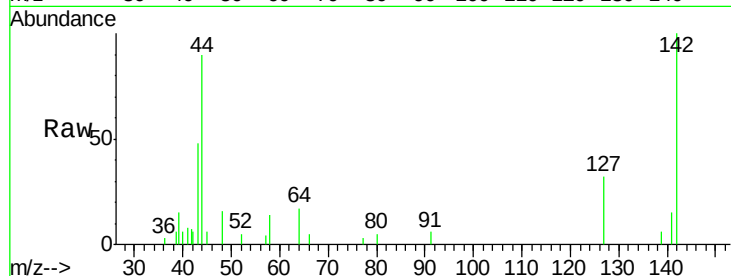




#10
Methyl Iodide
Concen: 6.35 ug/l
RT: 2.49 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

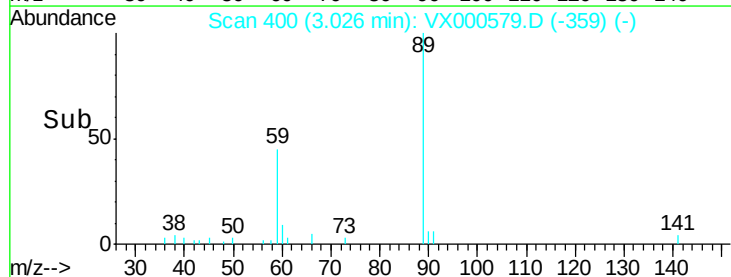
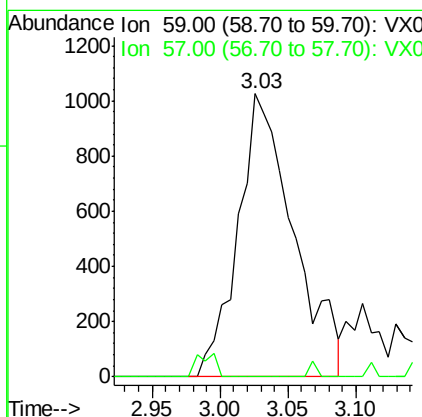
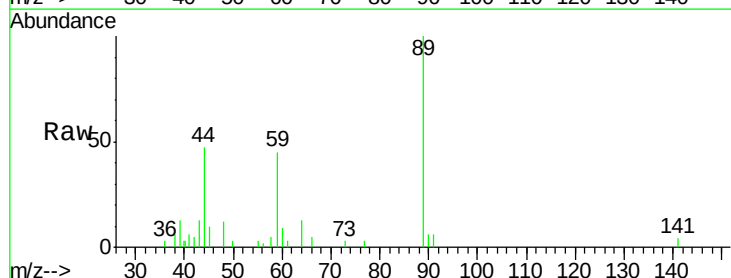
Instrument :
MSVOA_X
ClientSampled :
SB-106(2-3)

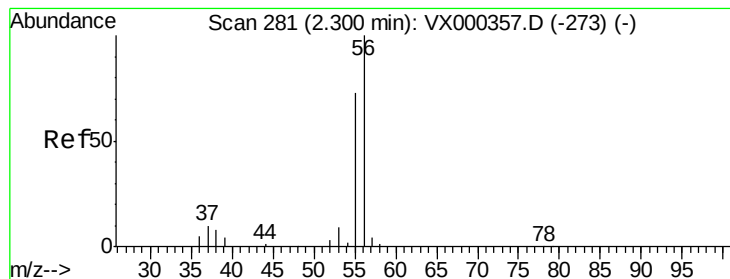
Tgt Ion:142 Resp: 3480
Ion Ratio Lower Upper
142 100
127 47.8 39.2 58.8
141 18.8 11.7 17.5#



#11
Tert butyl alcohol
Concen: 5.20 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Tgt Ion: 59 Resp: 2922
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 15.31 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX000579.D

Acq: 30 Mar 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

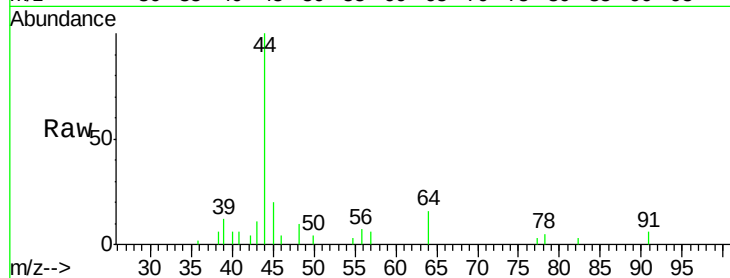
SB-106(2-3)

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

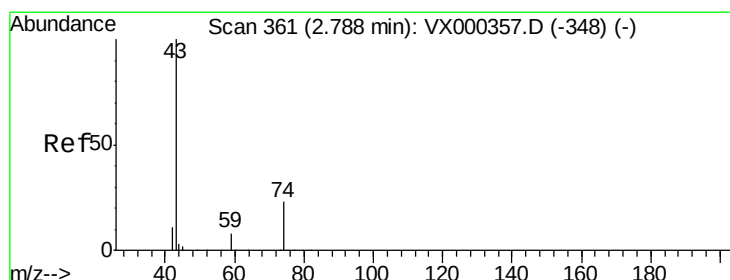
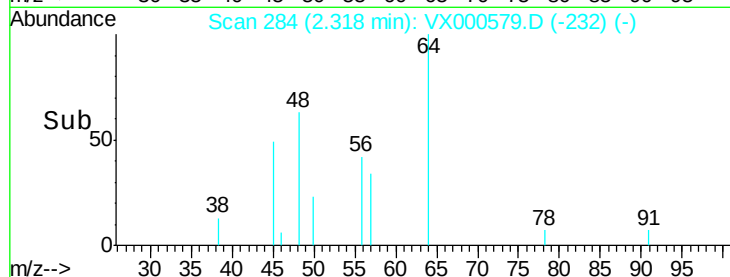
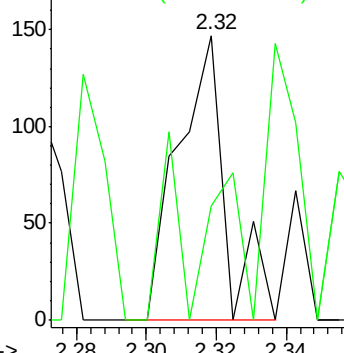
56 100

55 25.9 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#18

Methyl Acetate

Concen: 7.69 ug/l

RT: 2.82 min Scan# 366

Delta R.T. 0.03 min

Lab File: VX000579.D

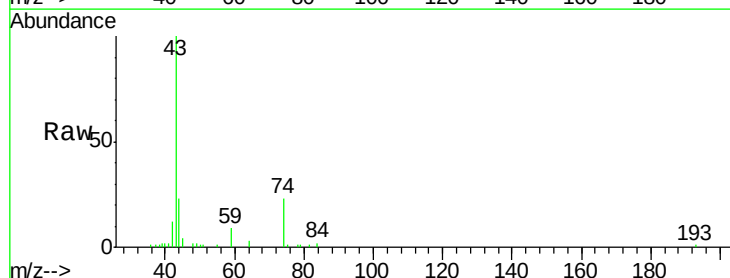
Acq: 30 Mar 2018 23:29

Tgt Ion: 43 Resp: 21923

Ion Ratio Lower Upper

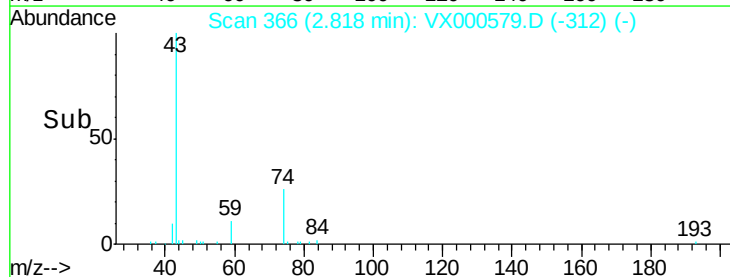
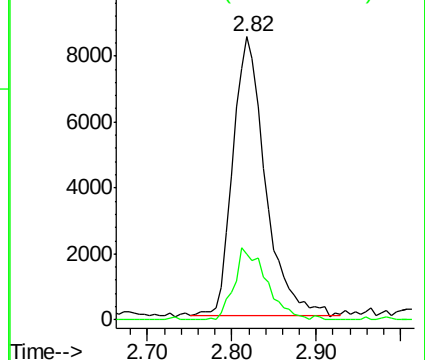
43 100

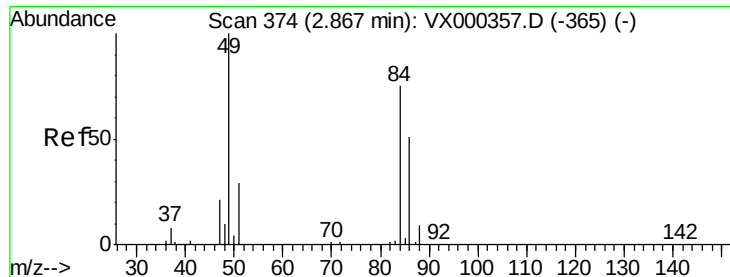
74 25.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

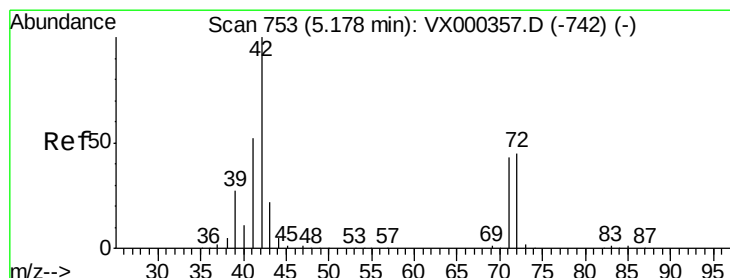
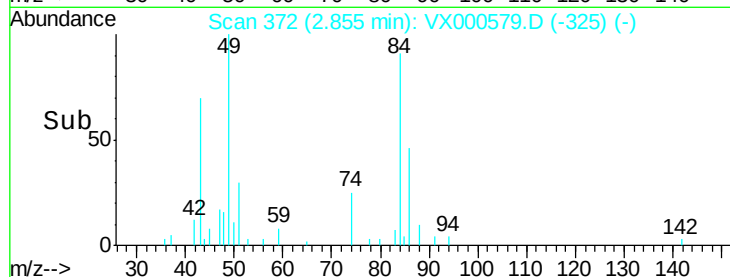
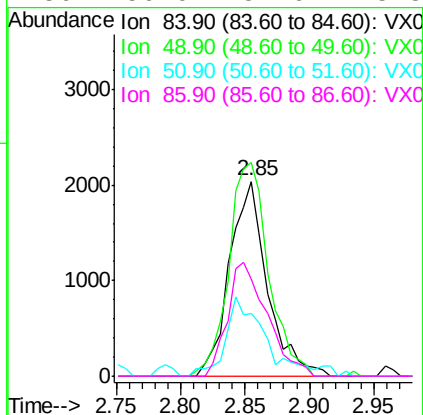
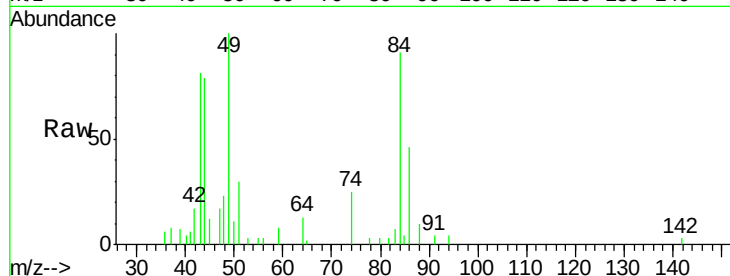




#20
Methylene Chloride
Concen: 2.65 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

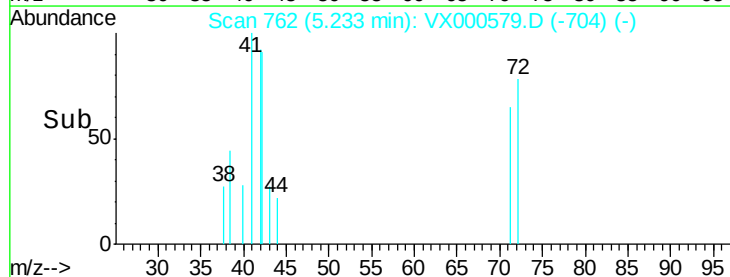
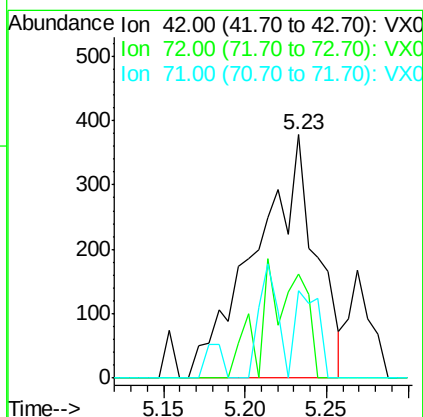
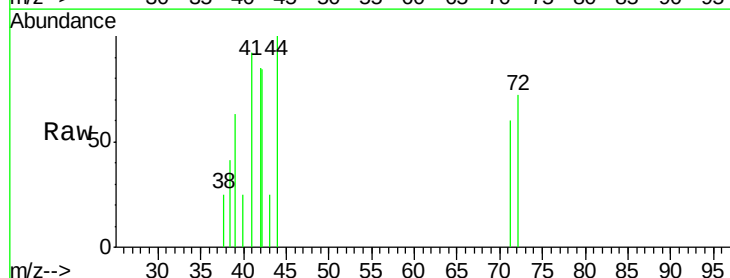
Instrument :
MSVOA_X
ClientSampled :
SB-106(2-3)

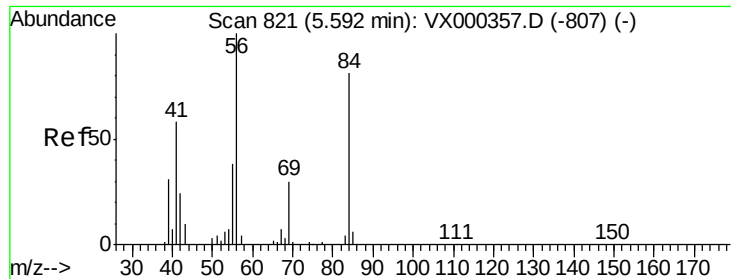
Tgt Ion: 84 Resp: 4165
Ion Ratio Lower Upper
84 100
49 109.7 100.6 151.0
51 32.4 31.6 47.4
86 50.0 52.6 78.8#



#29
Tetrahydrofuran
Concen: 1.02 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.05 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Tgt Ion: 42 Resp: 962
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 14.3 34.4 51.6#

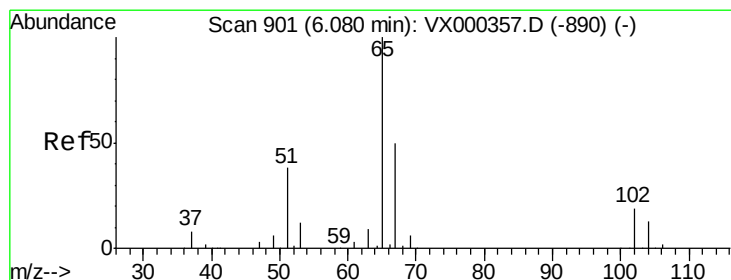
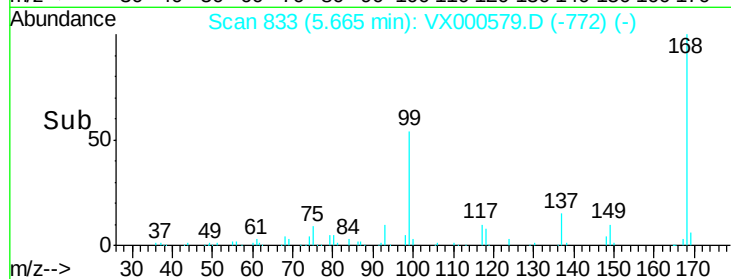
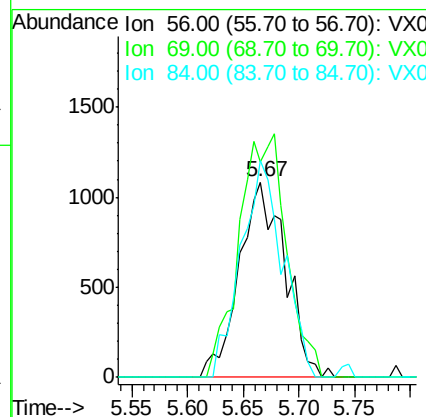
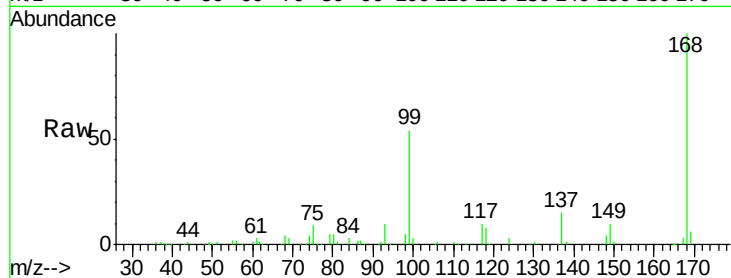




#31
Cyclohexane
Concen: 1.51 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.07 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

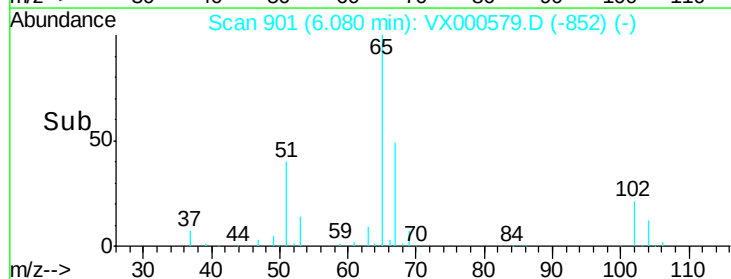
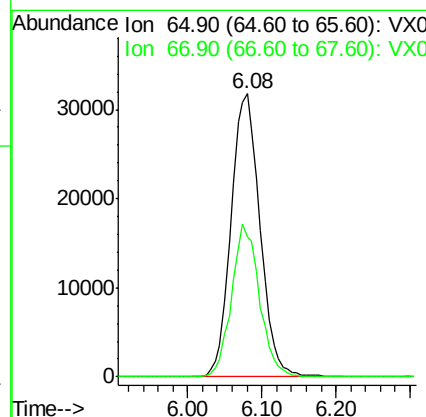
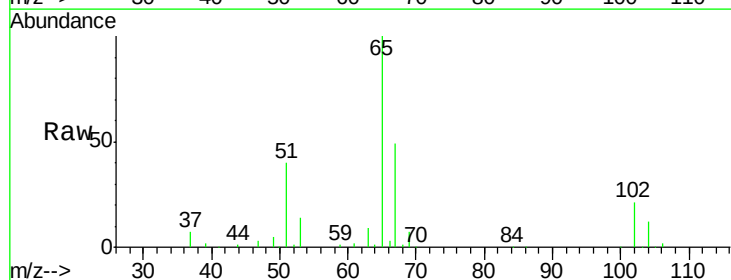
Instrument :
MSVOA_X
ClientSampleId :
SB-106(2-3)

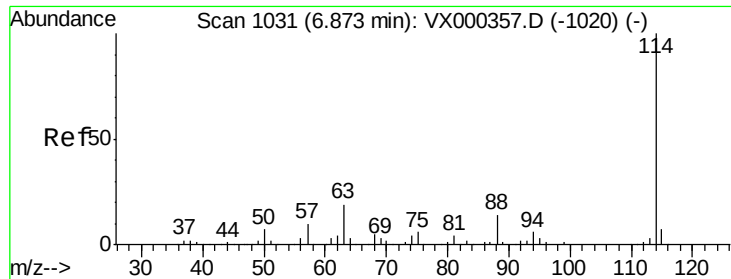
Tgt Ion: 56 Resp: 3117
Ion Ratio Lower Upper
56 100
69 110.2 23.4 35.0#
84 110.9 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 52.85 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Tgt Ion: 65 Resp: 86367
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.2

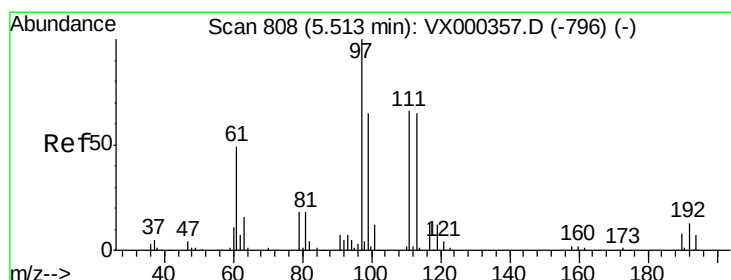
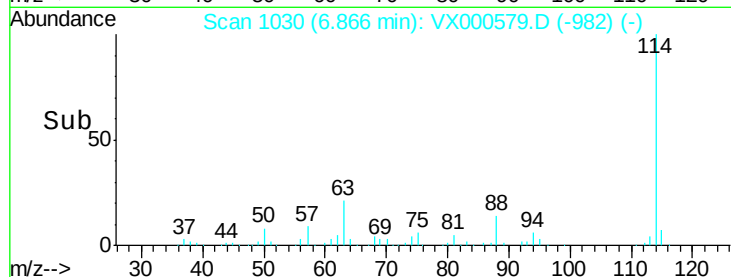
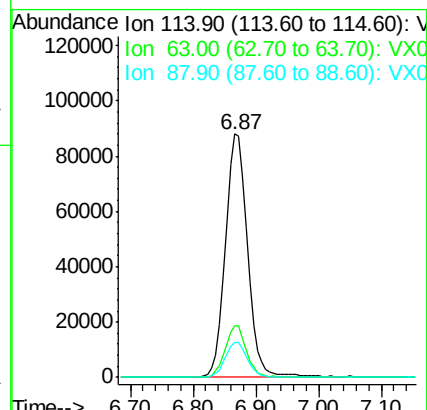
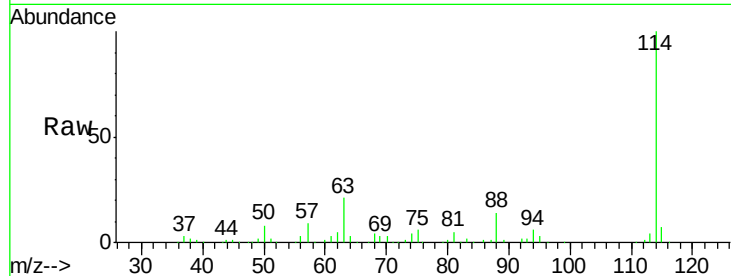




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

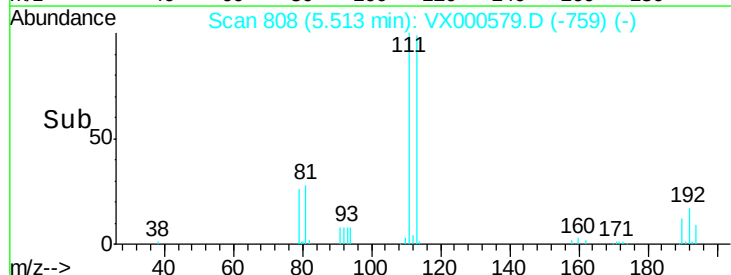
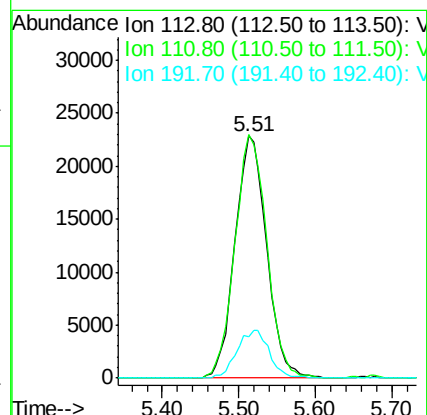
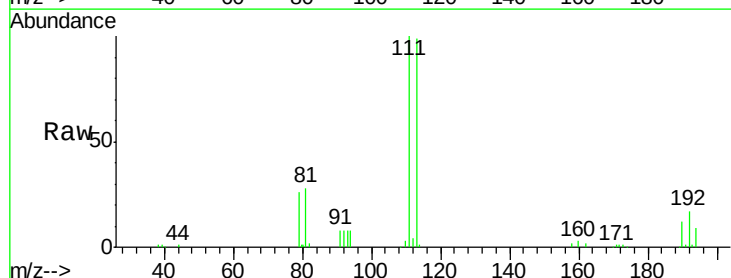
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-106(2-3)

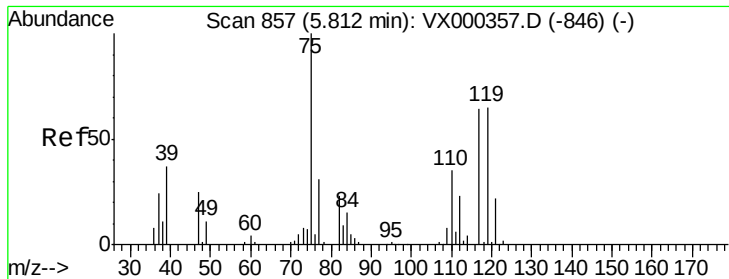
Tgt Ion:114 Resp: 215853
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.4
 88 14.3 0.0 27.0



#35
 Dibromofluoromethane
 Concen: 48.20 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

Tgt Ion:113 Resp: 65557
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.4 123.6
 192 20.0 15.8 23.6

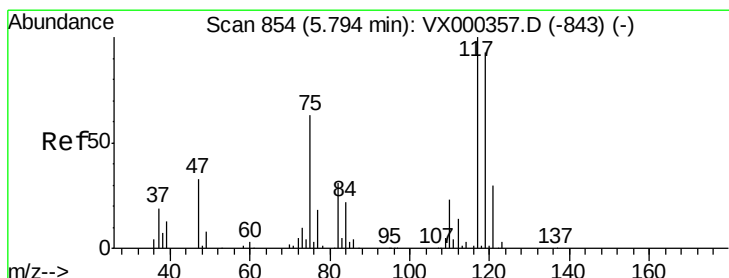
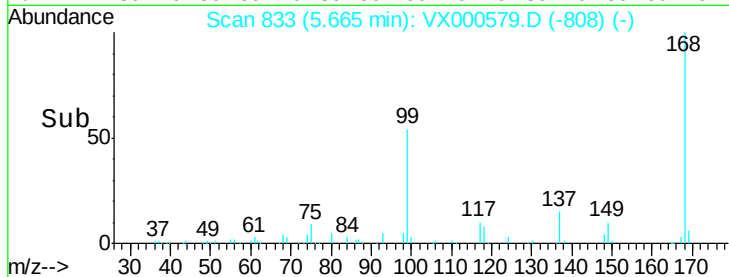
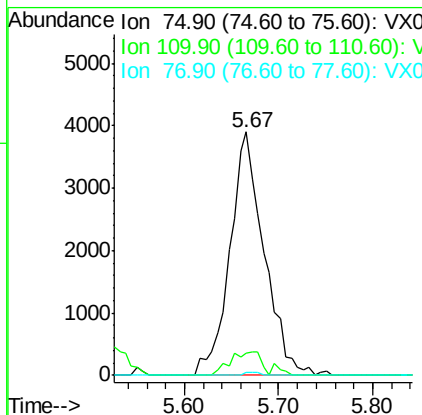
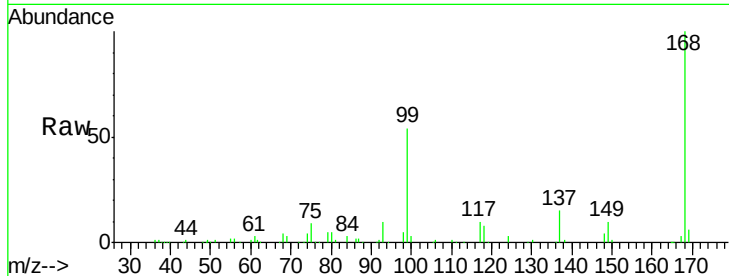




#36
 1,1-Dichloropropene
 Concen: 4.88 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

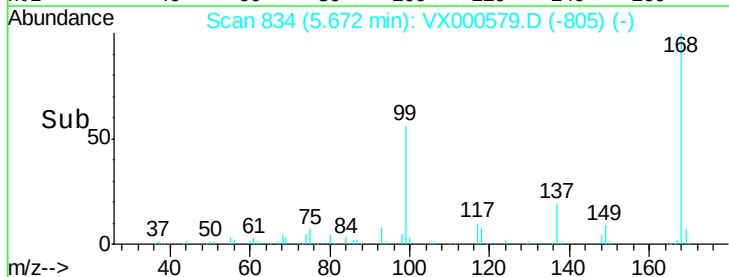
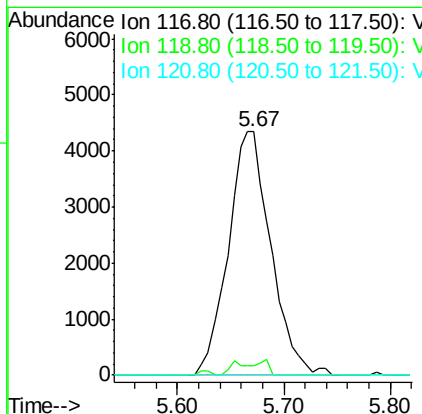
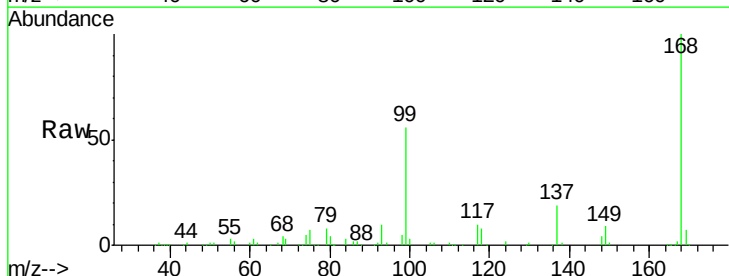
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-106(2-3)

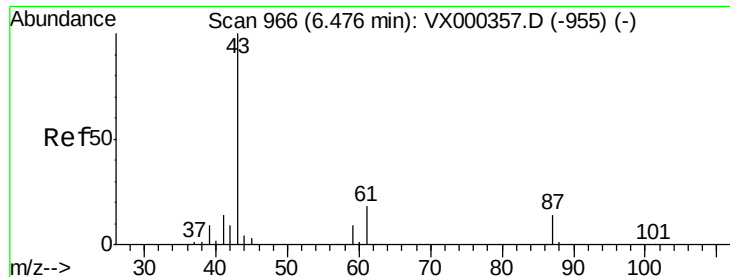
Tgt Ion: 75 Resp: 9862
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.9 53.7#
 77 0.6 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.72 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

Tgt Ion: 117 Resp: 12143
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.4 116.2#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.27 ug/l

RT: 6.52 min Scan# 973

Delta R.T. 0.04 min

Lab File: VX000579.D

Acq: 30 Mar 2018 23:29

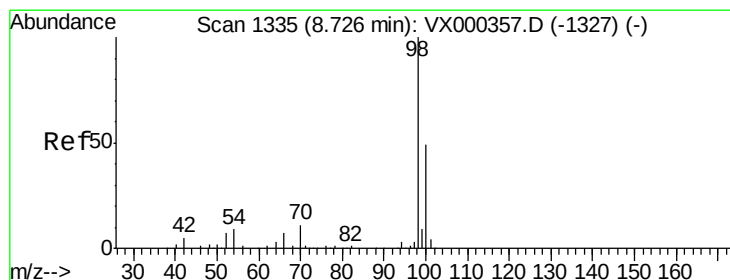
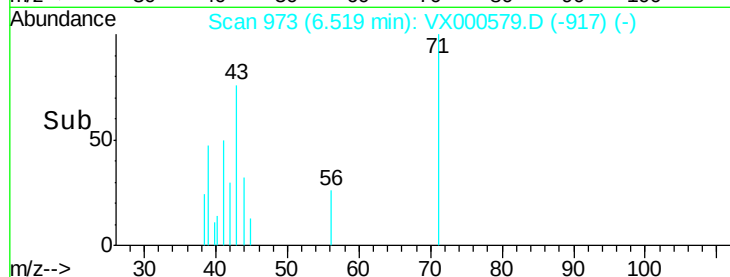
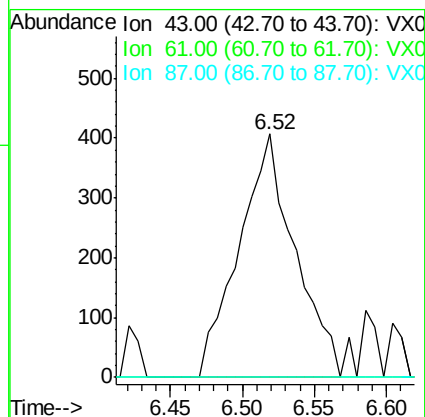
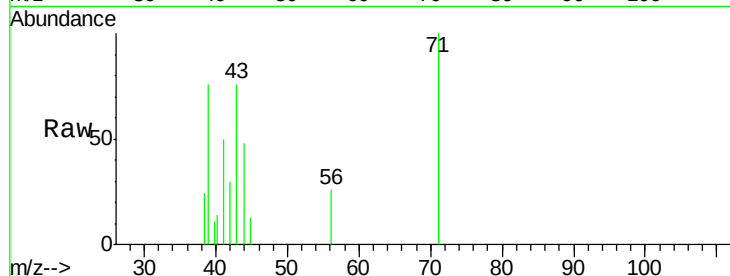
Instrument :

MSVOA_X

ClientSampled :

SB-106(2-3)

Tgt Ion:	43	Resp:	1097
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.4	21.6#
87	0.0	11.0	16.4#



#50

Toluene-d8

Concen: 48.33 ug/l

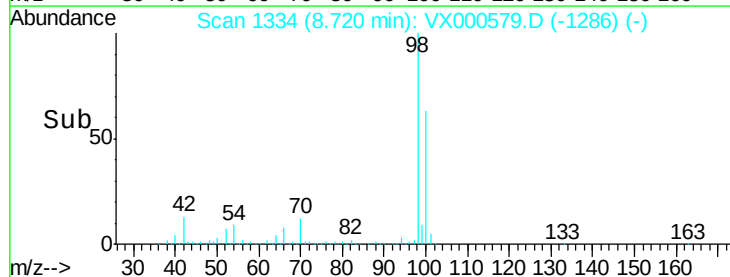
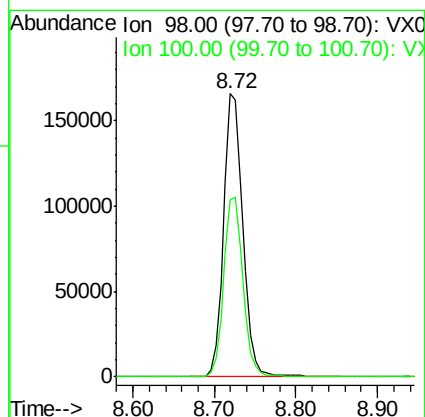
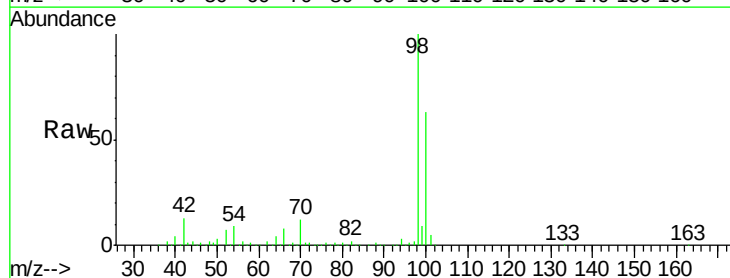
RT: 8.72 min Scan# 1334

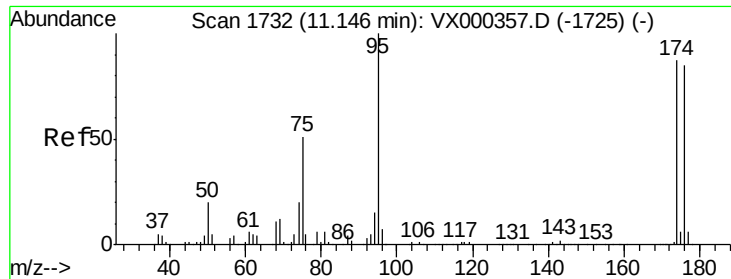
Delta R.T. -0.01 min

Lab File: VX000579.D

Acq: 30 Mar 2018 23:29

Tgt Ion:	98	Resp:	272210
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.2	76.8

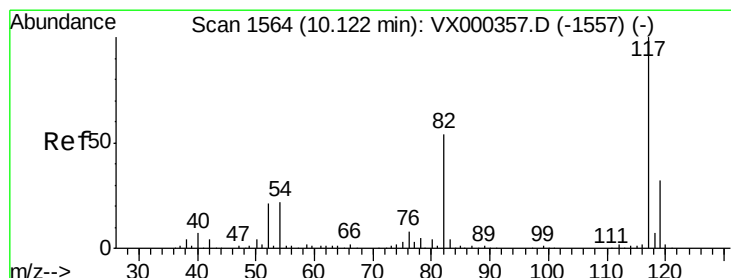
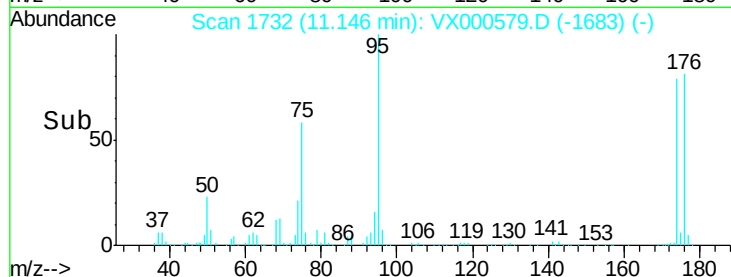
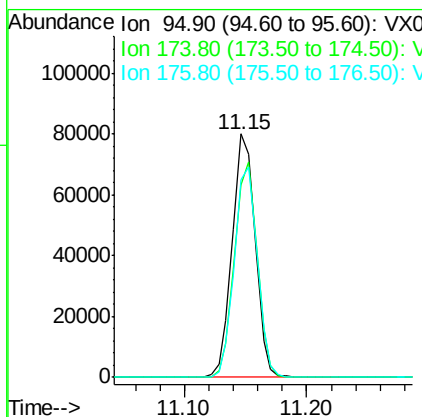
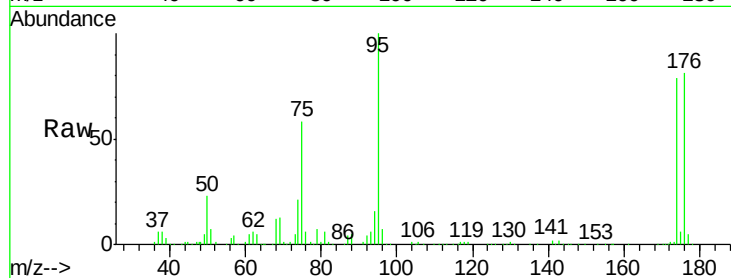




#62
4-Bromofluorobenzene
Concen: 44.38 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

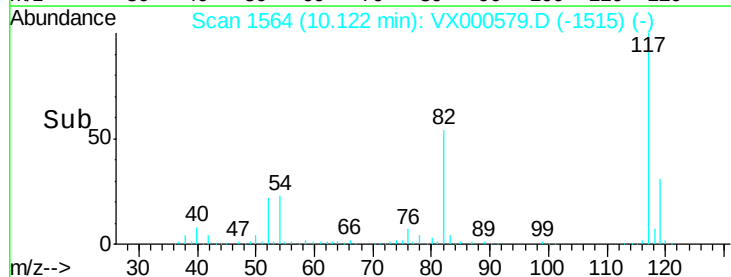
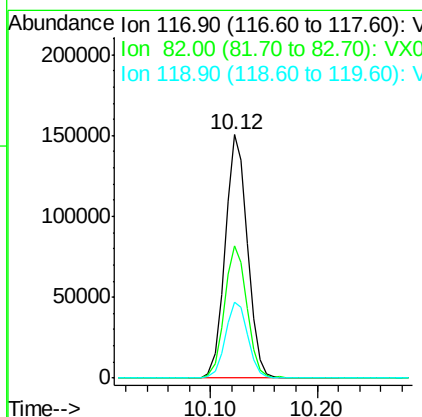
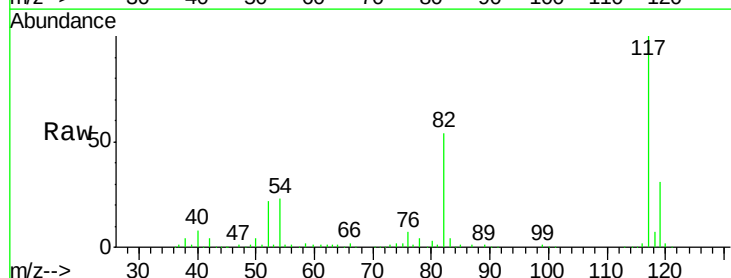
Instrument :
MSVOA_X
ClientSampled :
SB-106(2-3)

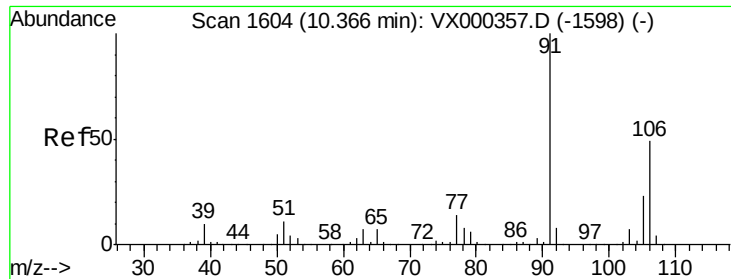
Tgt Ion: 95 Resp: 103763
Ion Ratio Lower Upper
95 100
174 87.5 0.0 173.6
176 86.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Tgt Ion: 117 Resp: 220564
Ion Ratio Lower Upper
117 100
82 54.1 43.8 65.8
119 31.3 24.9 37.3

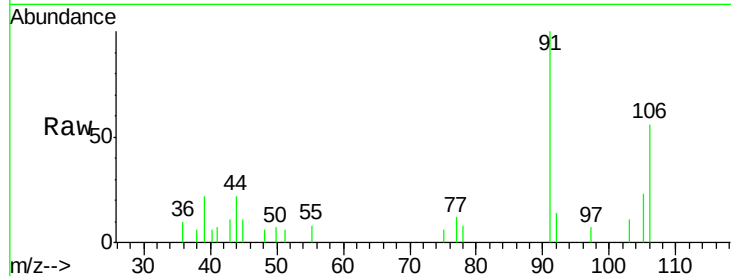




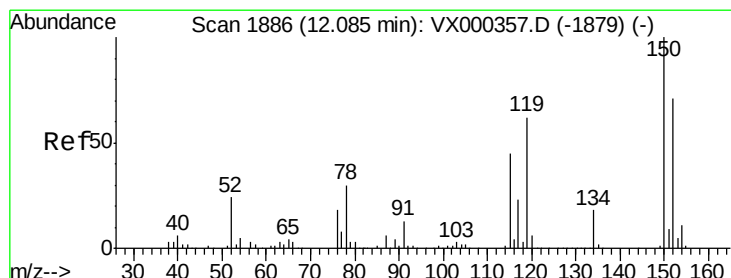
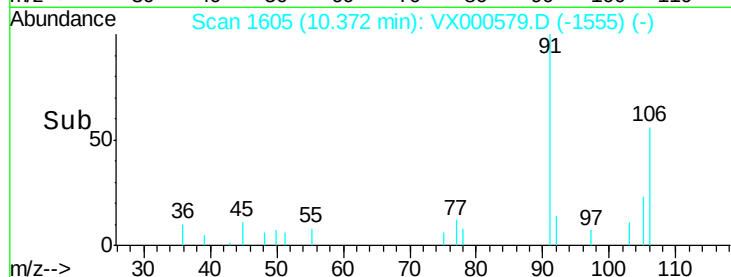
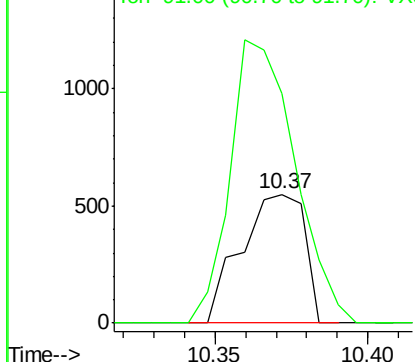
#68
m/p-Xylenes
Concen: 0.24 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Instrument :
MSVOA_X
ClientSampled :
SB-106(2-3)

Tgt Ion:106 Resp: 795
Ion Ratio Lower Upper
106 100
91 223.4 163.4 245.2

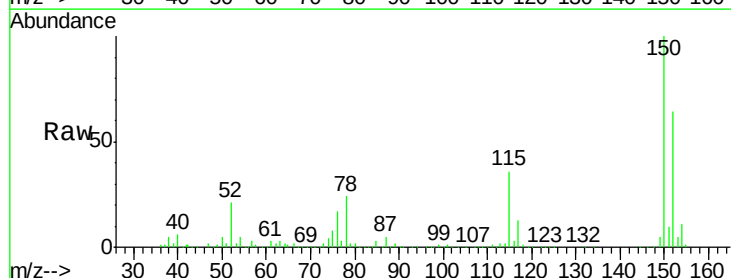


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

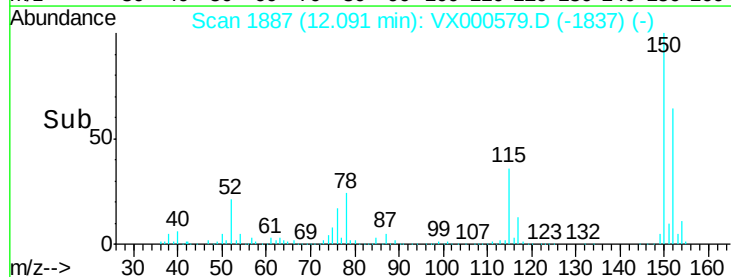
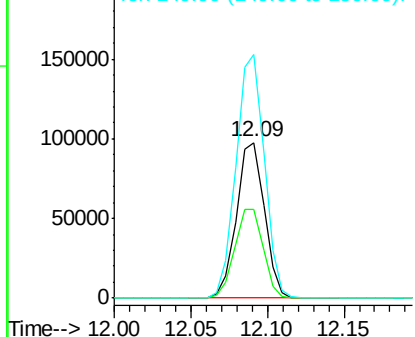


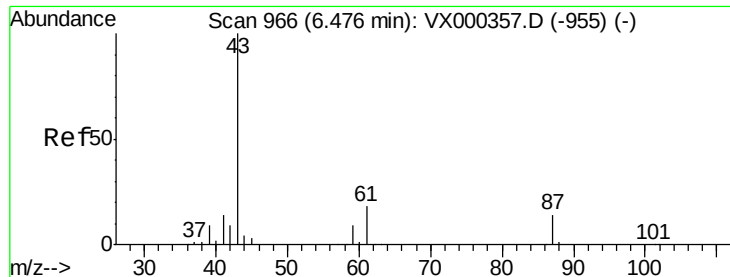
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1887
Delta R.T. 0.01 min
Lab File: VX000579.D
Acq: 30 Mar 2018 23:29

Tgt Ion:152 Resp: 123579
Ion Ratio Lower Upper
152 100
115 58.1 39.8 119.3
150 158.7 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: Below Cal

RT: 6.52 min Scan# 973

Delta R.T. 0.04 min

Lab File: VX000579.D

Acq: 30 Mar 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

SB-106(2-3)

Tgt Ion: 43 Resp: 1097

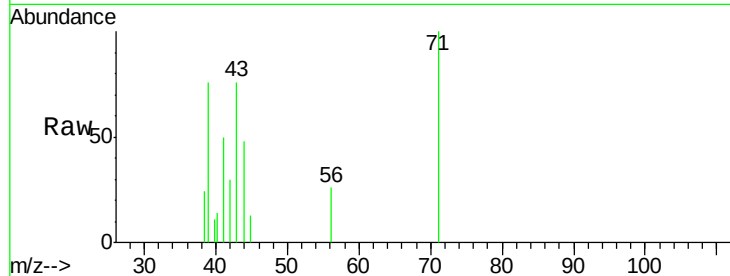
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 6.5 0.0 0.0#

61 0.0 14.4 21.6#

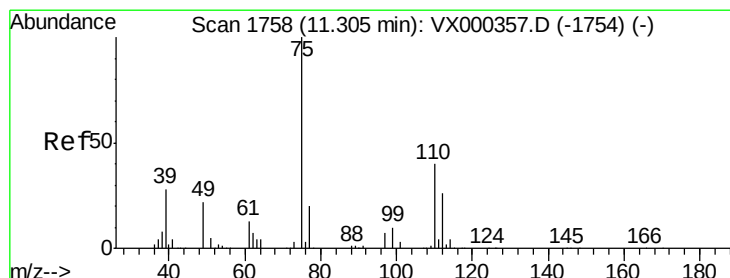
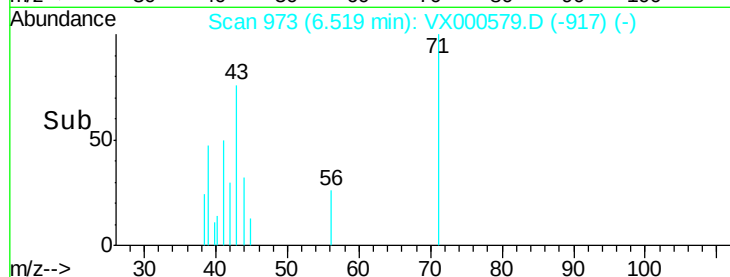
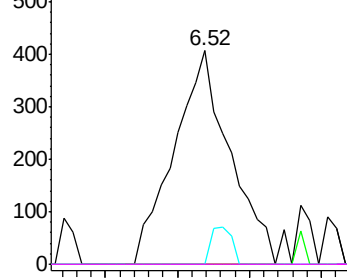


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.11 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000579.D

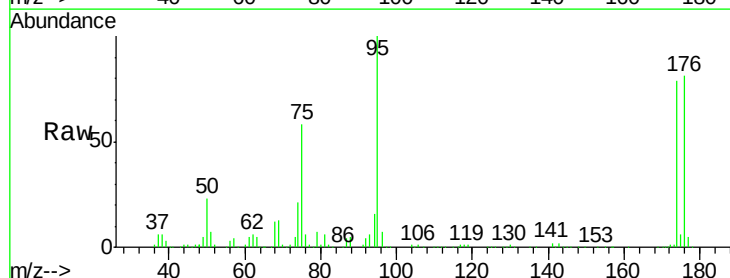
Acq: 30 Mar 2018 23:29

Tgt Ion: 75 Resp: 58730

Ion Ratio Lower Upper

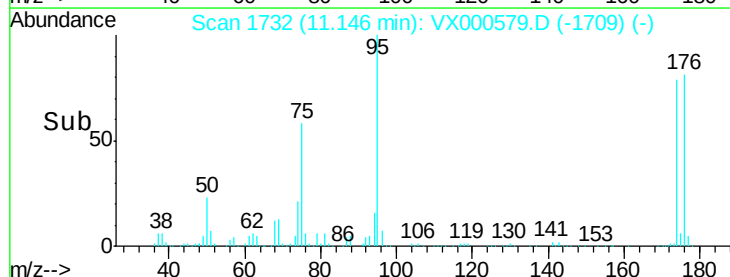
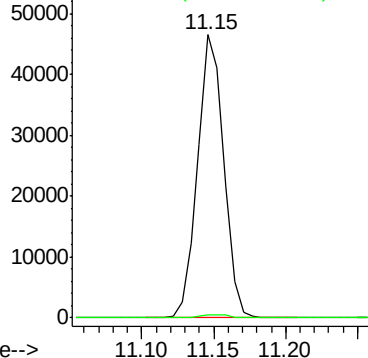
75 100

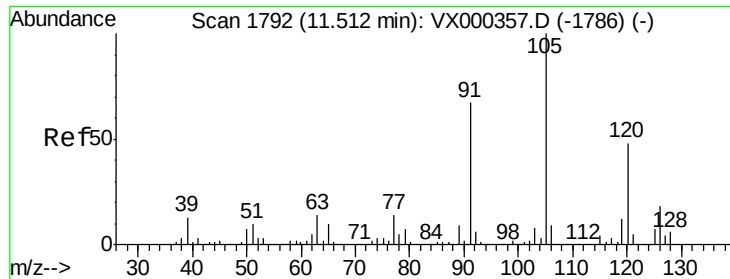
77 1.3 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

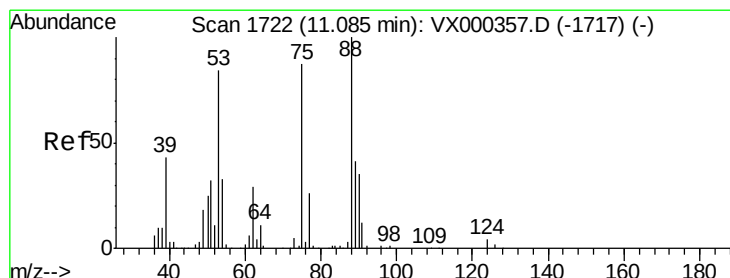
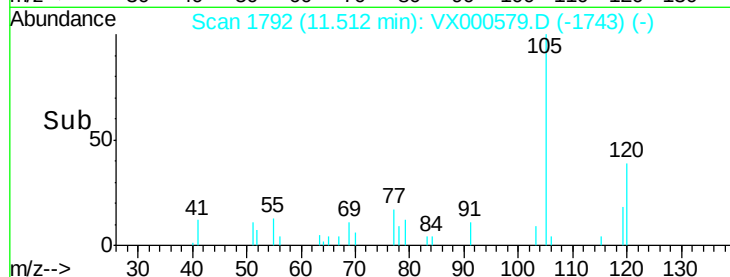
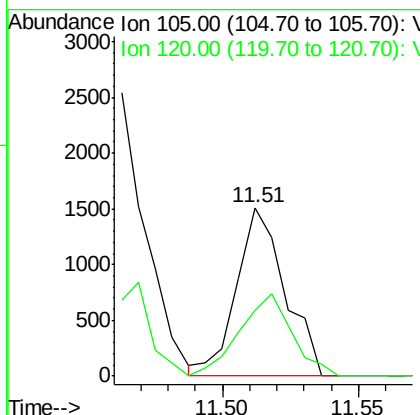
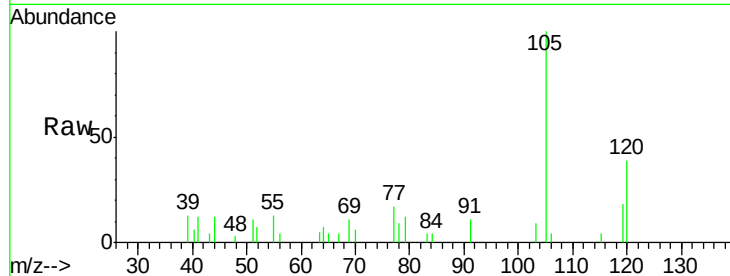




#80
 1,3,5-Trimethylbenzene
 Concen: 0.27 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

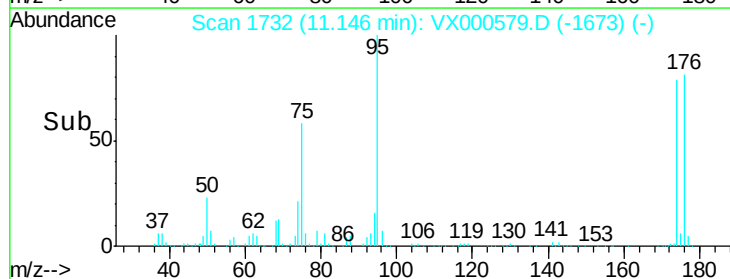
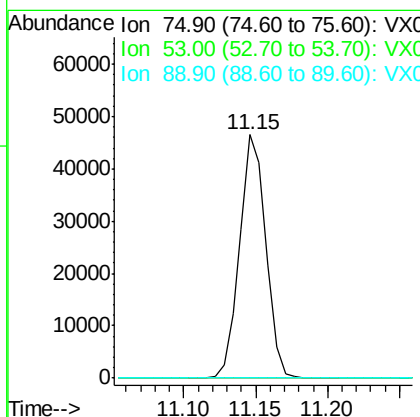
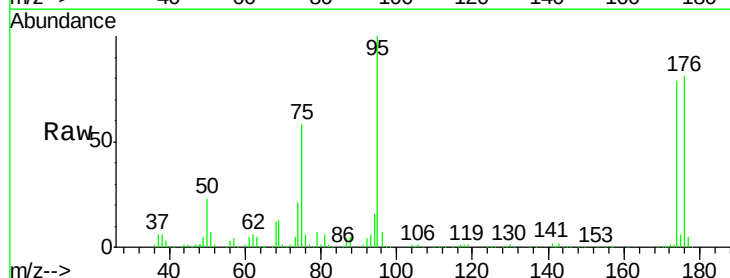
Instrument :
 MSVOA_X
 ClientSampled :
 SB-106(2-3)

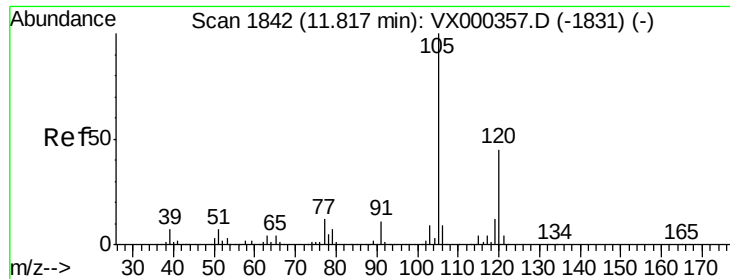
Tgt Ion: 105 Resp: 1871
 Ion Ratio Lower Upper
 105 100
 120 53.0 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.59 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

Tgt Ion: 75 Resp: 58730
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.7 121.1#
 89 0.0 39.4 59.0#

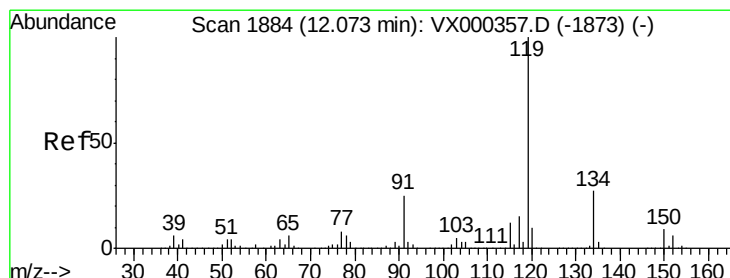
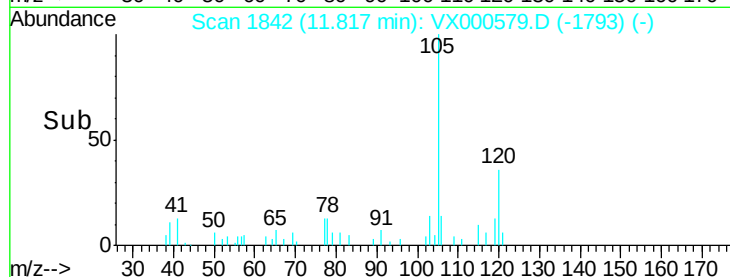
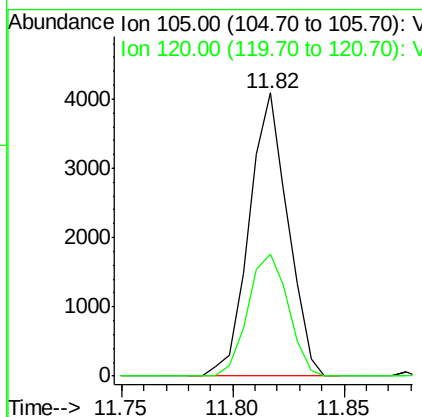
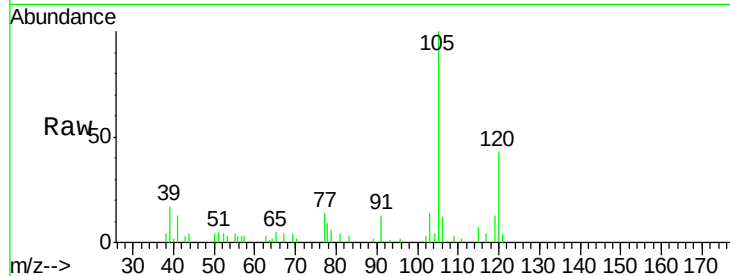




#84
 1,2,4-Trimethylbenzene
 Concen: 0.68 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

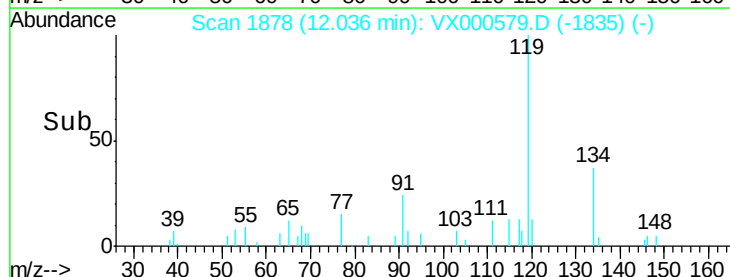
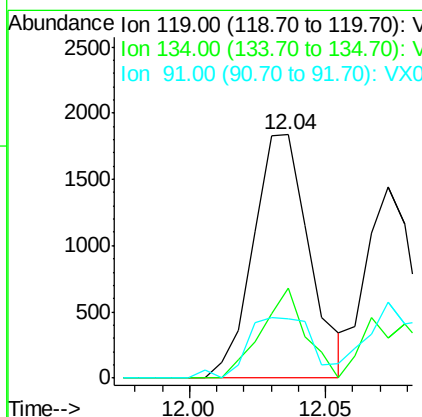
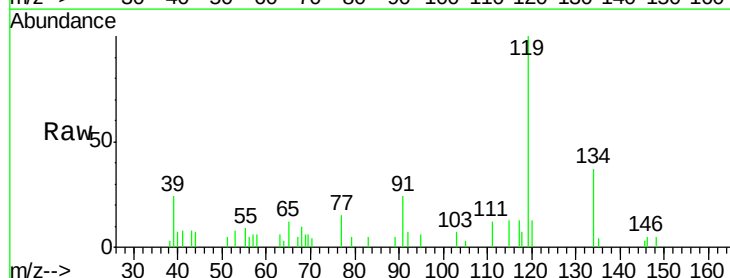
Instrument :
 MSVOA_X
 ClientSampled :
 SB-106(2-3)

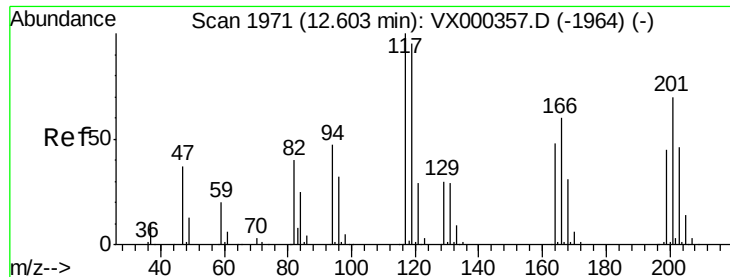
Tgt Ion:105 Resp: 4942
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.3



#86
 p-Isopropyltoluene
 Concen: 0.34 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.04 min
 Lab File: VX000579.D
 Acq: 30 Mar 2018 23:29

Tgt Ion:119 Resp: 2629
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.3 39.9
 91 29.6 12.0 36.1





#90

Hexachloroethane

Concen: 1.19 ug/l

RT: 12.62 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VX000579.D

Acq: 30 Mar 2018 23:29

Instrument :

MSVOA_X

ClientSampled :

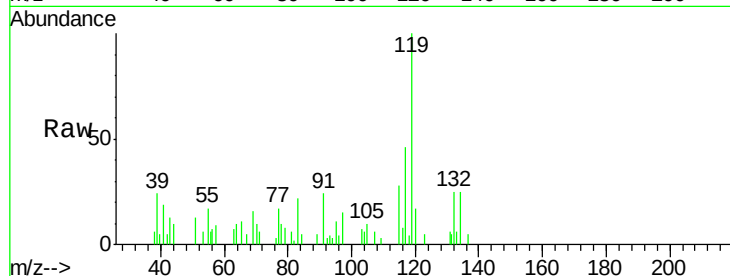
SB-106(2-3)

Tgt Ion:117 Resp: 1429

Ion Ratio Lower Upper

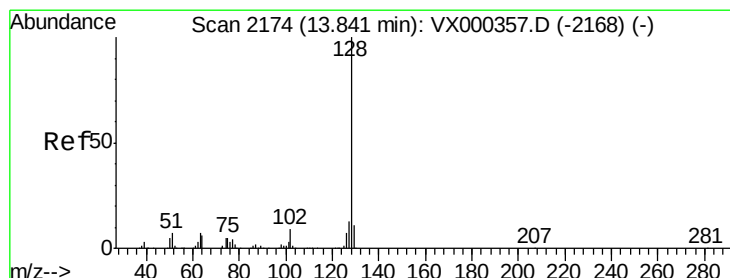
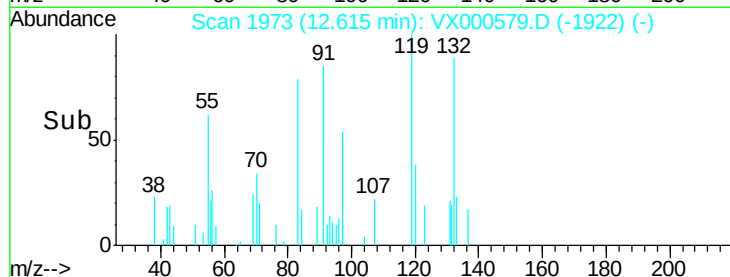
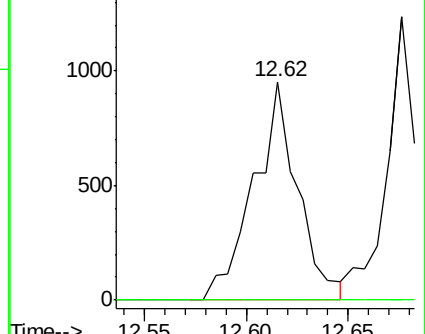
117 100

201 0.0 37.9 113.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.48 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000579.D

Acq: 30 Mar 2018 23:29

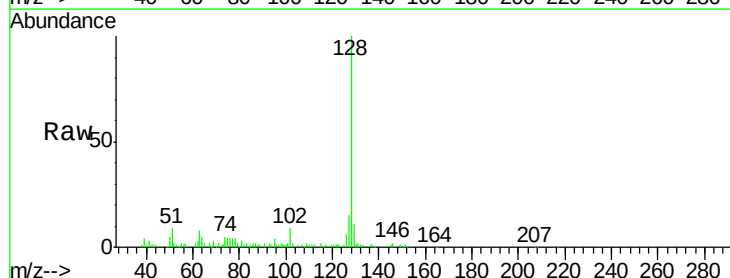
Tgt Ion:128 Resp: 25081

Ion Ratio Lower Upper

128 100

127 16.9 10.6 15.8#

129 13.1 8.9 13.3



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

