

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021119\
 Data File : VX007478.D
 Acq On : 11 Feb 2019 19:46
 Operator : JC/SP
 Sample : K1449-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-17-OW

Quant Time: Feb 12 00:07:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	534709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	809062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	758648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	370952	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	276219	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	5.50	113	265007	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	8.71	98	969988	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	348279	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	

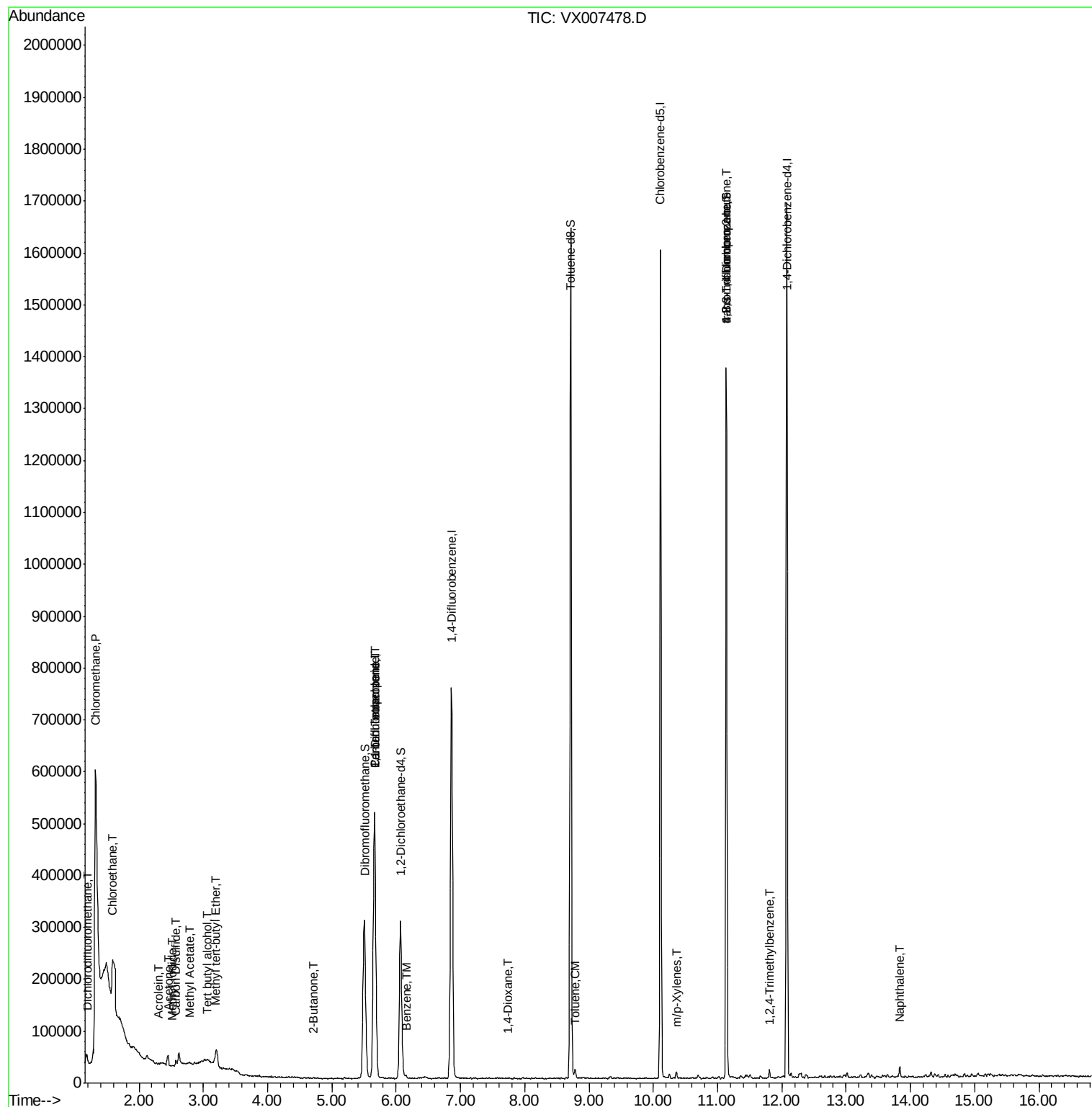
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	506	0.254	ug/l #	46
3) Chloromethane	1.32	50	30626	5.085	ug/l #	44
5) Bromomethane	1.65	94	1660	Below Cal		95
6) Chloroethane	1.59	64	174792	45.731	ug/l #	53
10) Methyl Iodide	2.52	142	1953	0.241	ug/l #	64
11) Tert butyl alcohol	3.06	59	7860	6.692	ug/l	99
13) Acrolein	2.30	56	233	0.423	ug/l #	72
16) Acetone	2.45	43	19491	7.497	ug/l	100
17) Carbon Disulfide	2.57	76	13750	3.107	ug/l	99
18) Methyl Acetate	2.79	43	1352	0.790	ug/l #	54
19) Methyl tert-butyl Ether	3.20	73	35407	2.141	ug/l	97
20) Methylene Chloride	2.87	84	1101	Below Cal	#	58
25) 2-Butanone	4.71	43	2826	0.764	ug/l	98
36) 1,1-Dichloropropene	5.67	75	34287	4.723	ug/l #	50
38) Carbon Tetrachloride	5.66	117	46929	6.664	ug/l #	16
40) Benzene	6.15	78	5934	0.278	ug/l #	88
49) 1,4-Dioxane	7.74	88	143	7.981	ug/l #	1
52) Toluene	8.78	92	6323	0.458	ug/l	99
68) m/p-Xylenes	10.35	106	3004	0.283	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	167438	23.205	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	167438	69.888	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	7310	0.349	ug/l	97
95) Naphthalene	13.83	128	12953	0.518	ug/l #	96

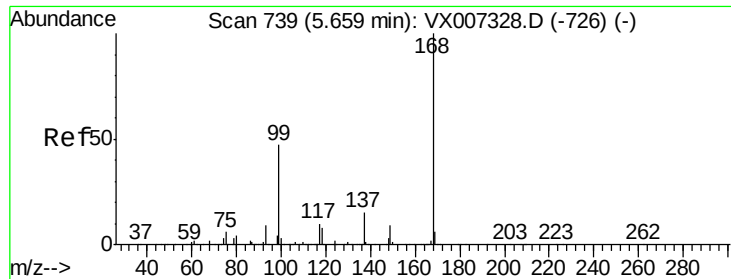
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021119\
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Acq On : 11 Feb 2019 19:46
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Quant Time: Feb 12 00:07:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

Instrument :

MSVOA_X

ClientSampled :

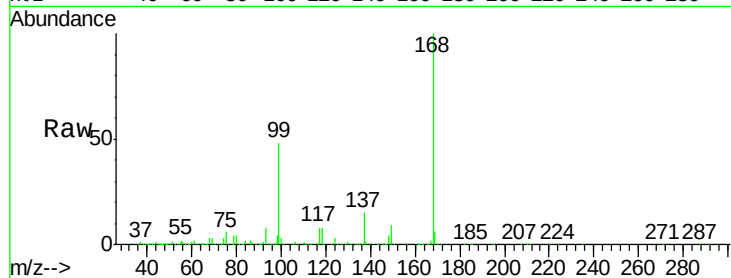
B-17-OW

Tot Ion:168 Resp: 534709

Ion Ratio Lower Upper

168 100

99 47.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

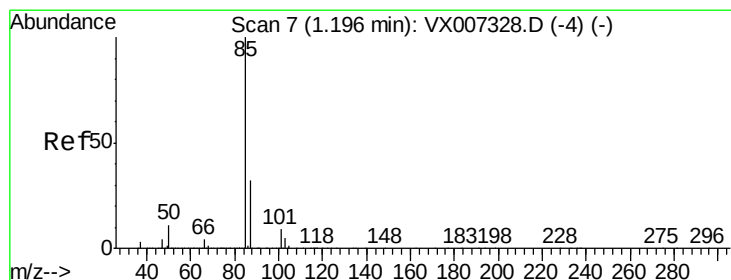
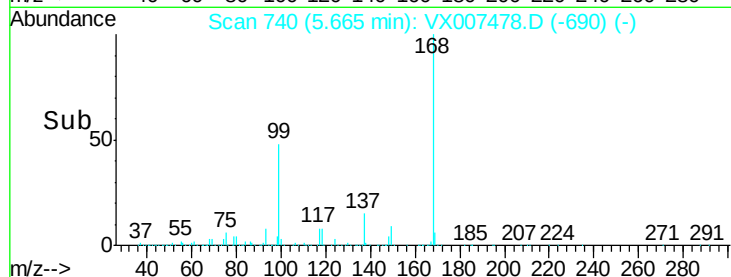
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.254 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007478.D

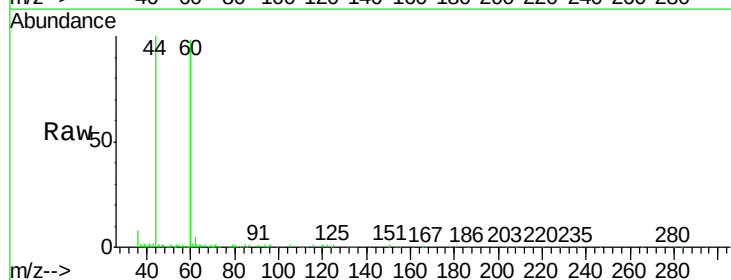
Acq: 11 Feb 2019 19:46

Tgt Ion: 85 Resp: 506

Ion Ratio Lower Upper

85 100

87 1.9 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

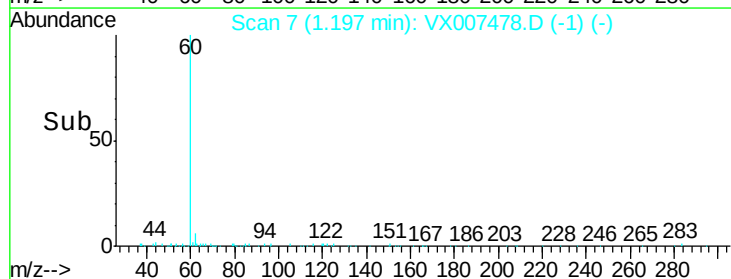
300

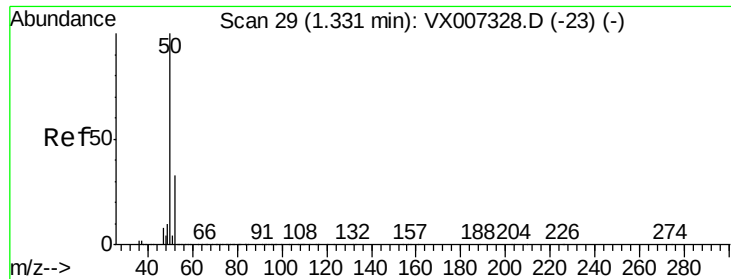
200

100

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: 5.085 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

Instrument :

MSVOA_X

ClientSampled :

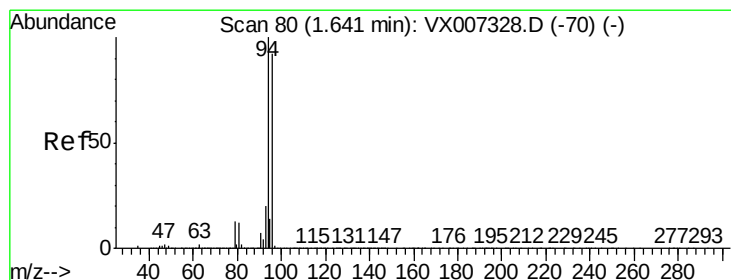
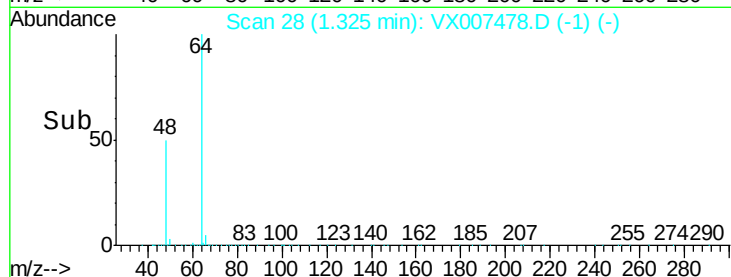
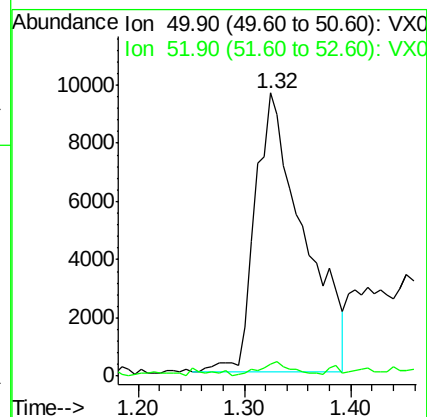
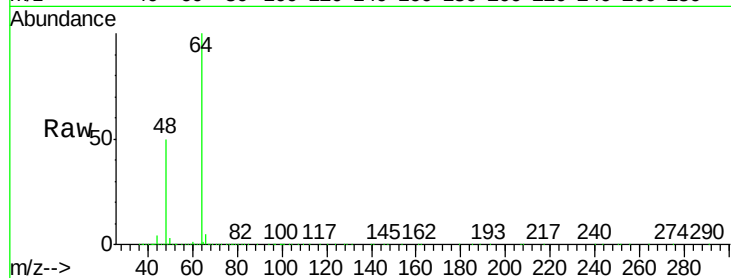
B-17-OW

Tot Ion: 50 Resp: 30626

Ion Ratio Lower Upper

50 100

52 1.3 26.1 39.1#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007478.D

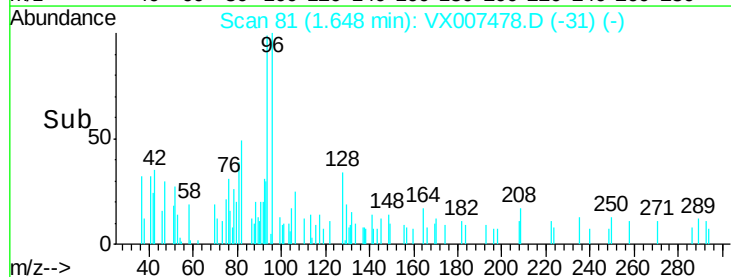
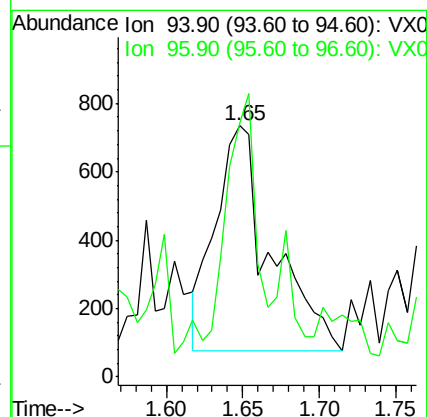
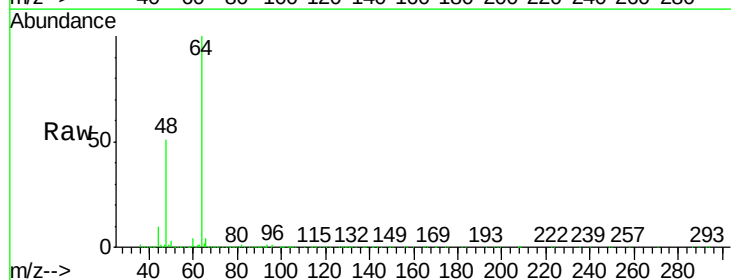
Acq: 11 Feb 2019 19:46

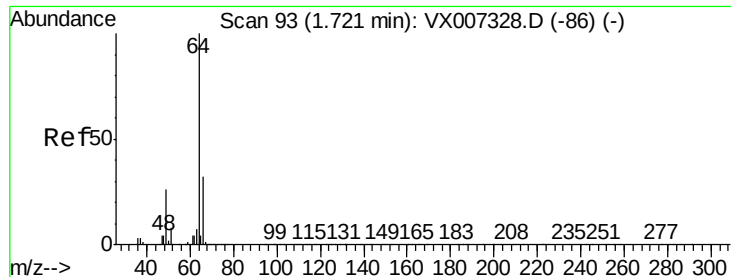
Tgt Ion: 94 Resp: 1660

Ion Ratio Lower Upper

94 100

96 87.7 73.9 110.9





#6

Chloroethane

Concen: 45.731 ug/l

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

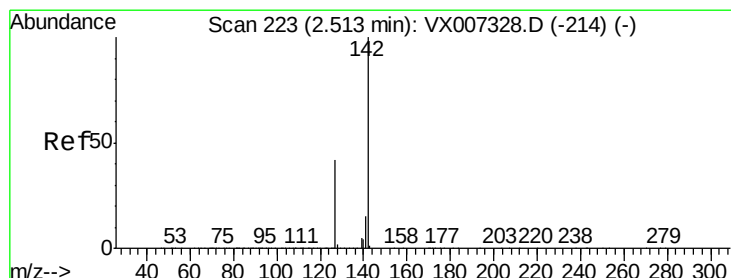
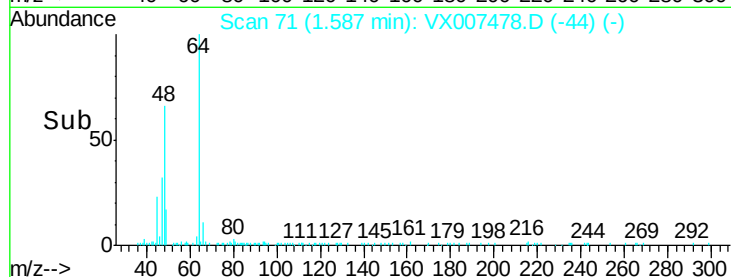
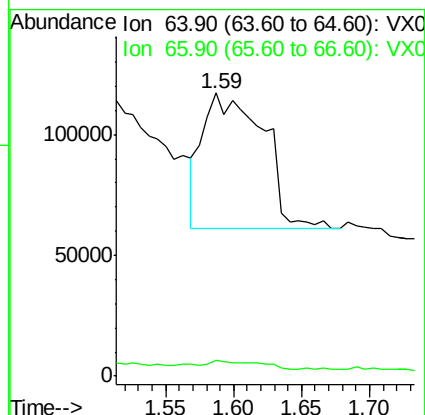
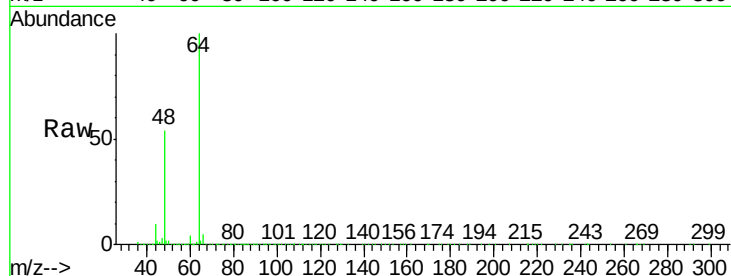
B-17-OW

Tot Ion: 64 Resp: 174792

Ion Ratio Lower Upper

64 100

66 5.9 25.5 38.3#



#10

Methyl Iodide

Concen: 0.241 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

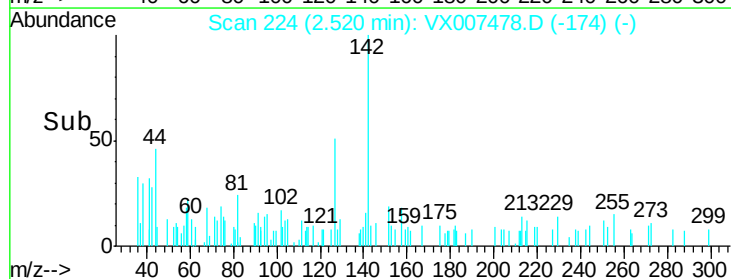
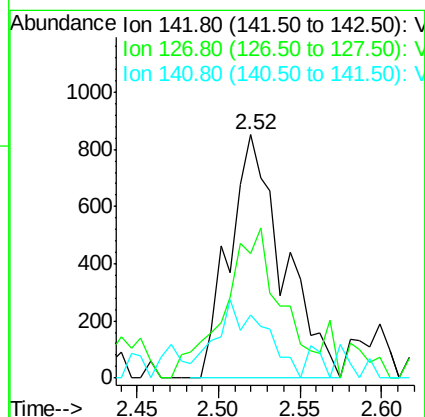
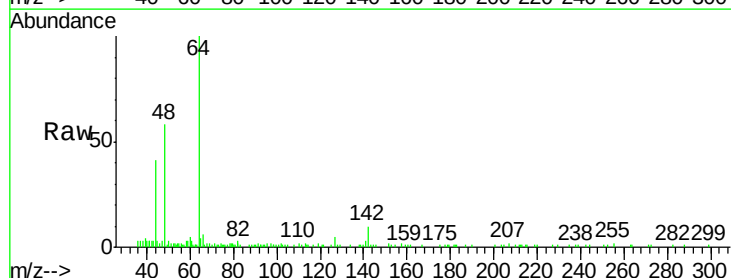
Tgt Ion: 142 Resp: 1953

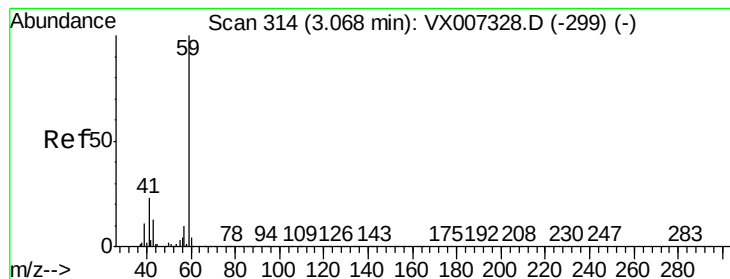
Ion Ratio Lower Upper

142 100

127 65.0 33.7 50.5#

141 28.7 11.3 16.9#



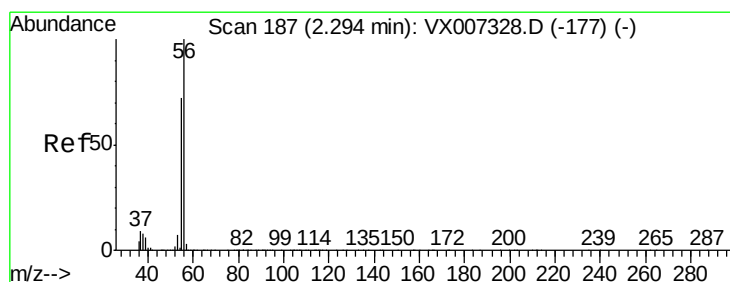
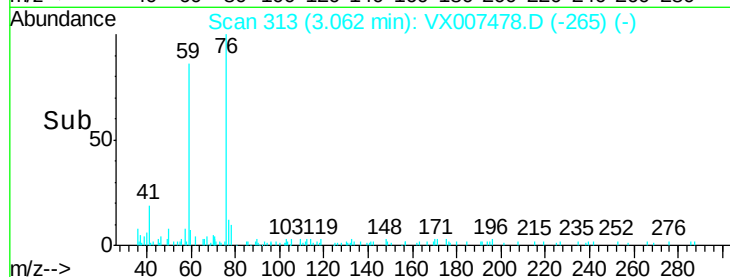
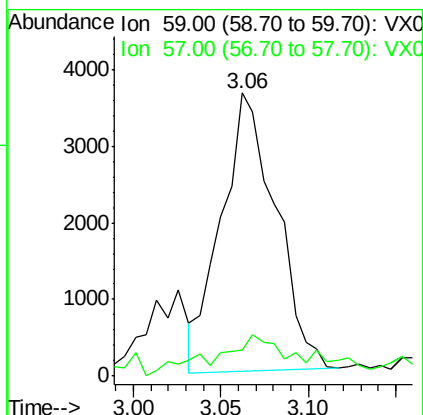
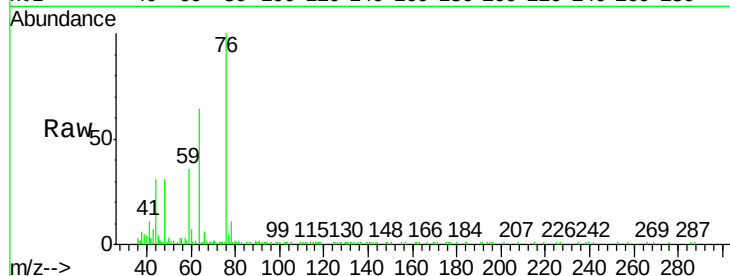


#11

Tert butyl alcohol
Concen: 6.692 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

Instrument :
MSVOA_X
ClientSampled :
B-17-OW

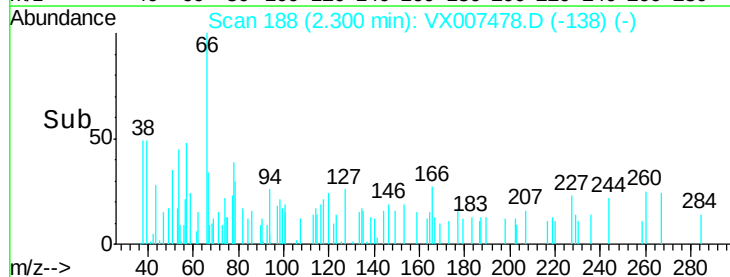
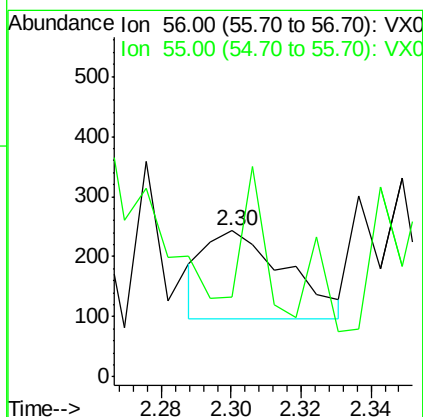
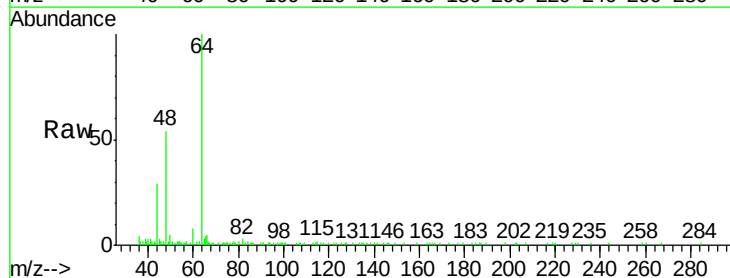
Tot Ion: 59 Resp: 7860
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1

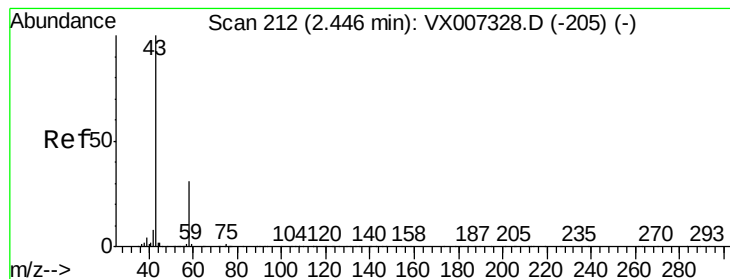


#13

Acrolein
Concen: 0.423 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

Tgt Ion: 56 Resp: 233
Ion Ratio Lower Upper
56 100
55 48.1 56.9 85.3#





#16

Acetone

Concen: 7.497 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

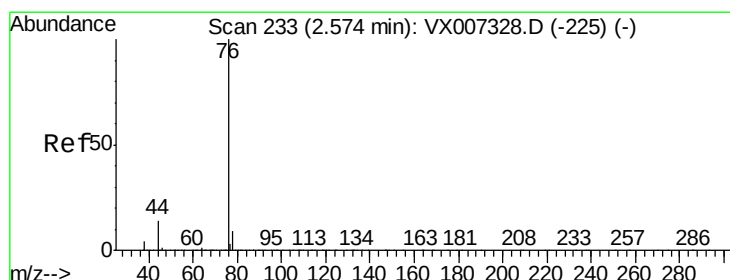
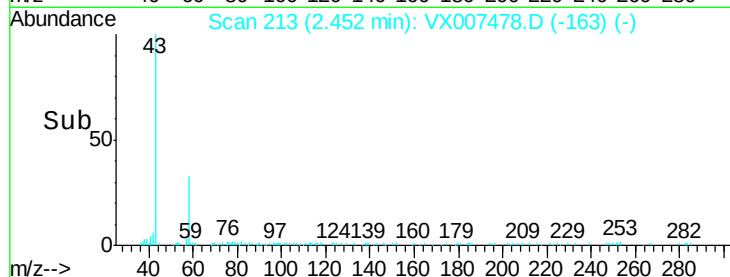
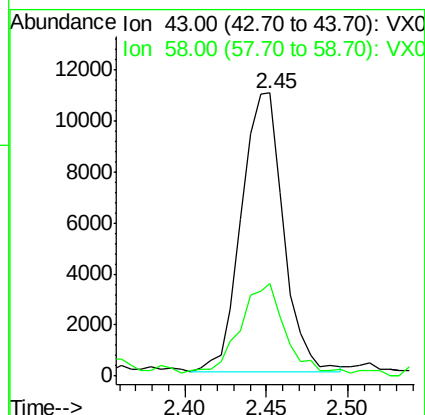
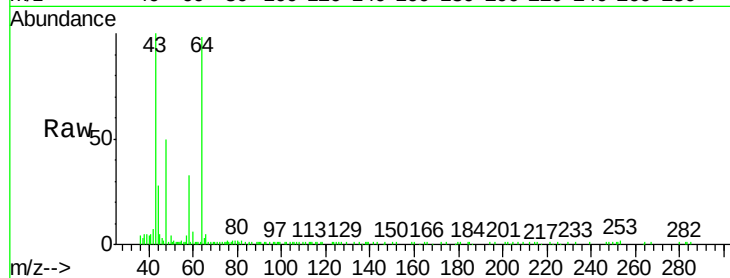
B-17-OW

Tot Ion: 43 Resp: 19491

Ion Ratio Lower Upper

43 100

58 31.2 24.9 37.3



#17

Carbon Disulfide

Concen: 3.107 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007478.D

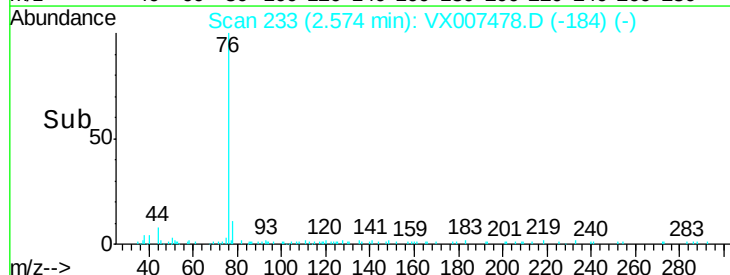
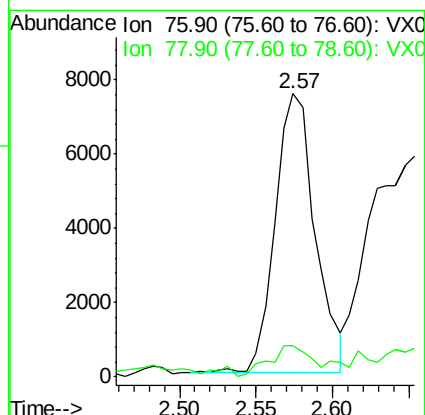
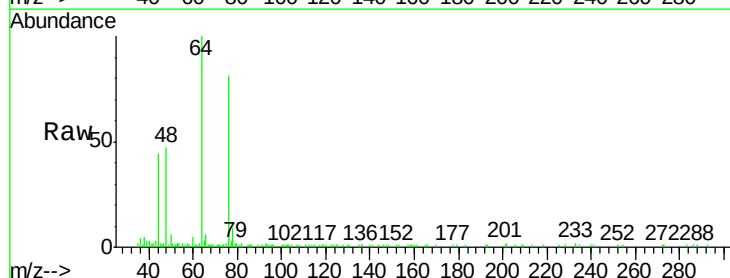
Acq: 11 Feb 2019 19:46

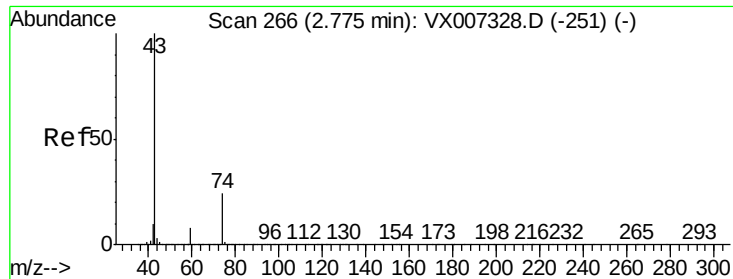
Tgt Ion: 76 Resp: 13750

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7

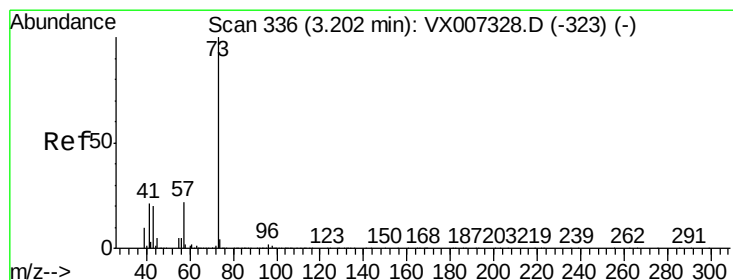
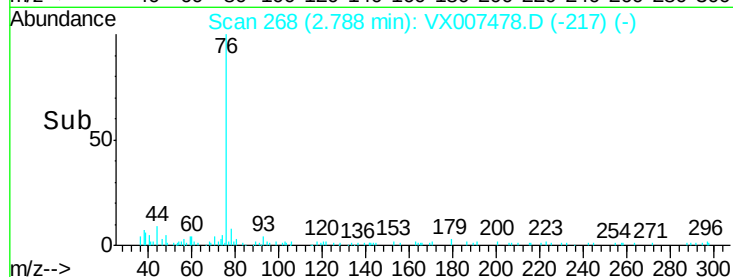
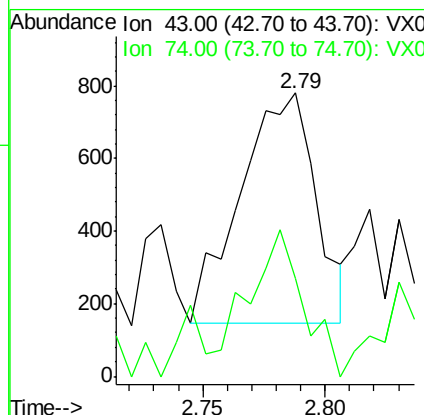
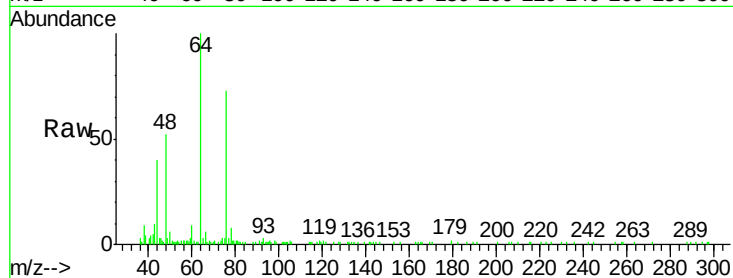




#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

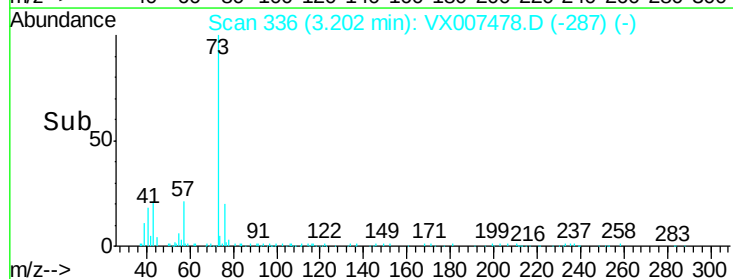
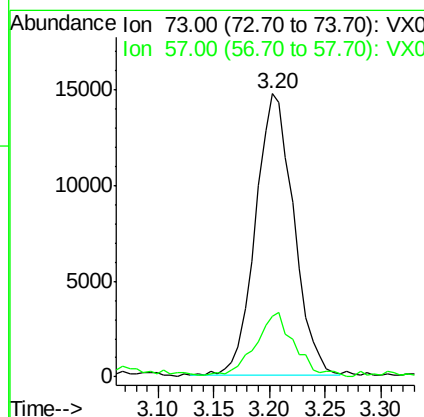
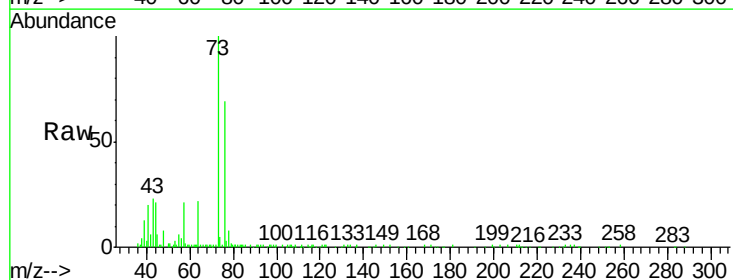
Instrument :
MSVOA_X
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B-17-OW

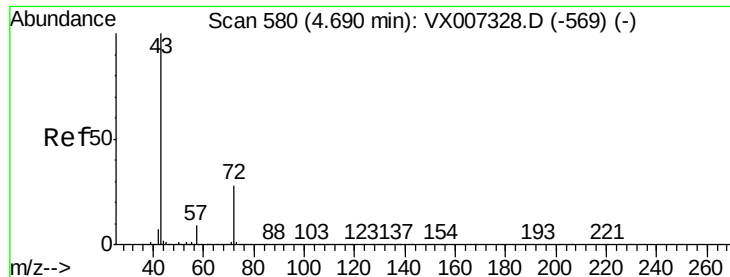
Tot Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
74 47.2 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 2.141 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

Tgt Ion: 73 Resp: 35407
Ion Ratio Lower Upper
73 100
57 20.7 17.8 26.8





#25

2-Butanone

Concen: 0.764 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

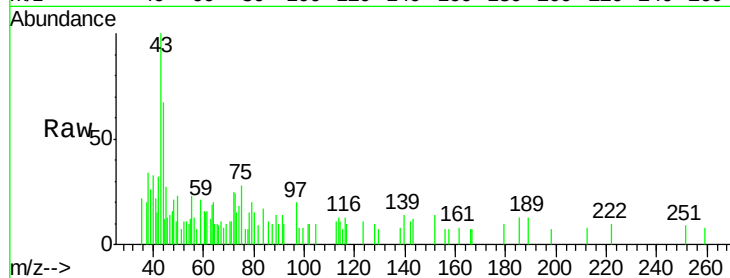
B-17-OW

Tot Ion: 43 Resp: 2826

Ion Ratio Lower Upper

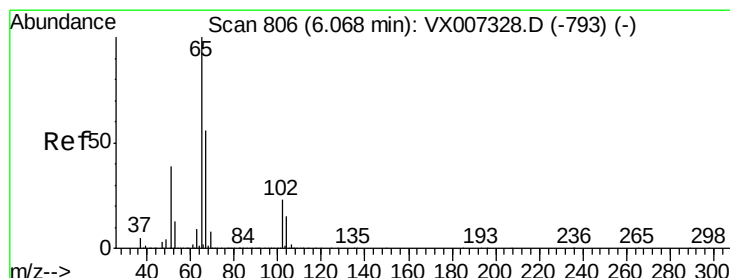
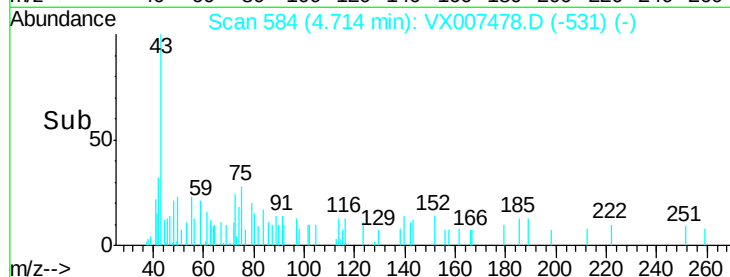
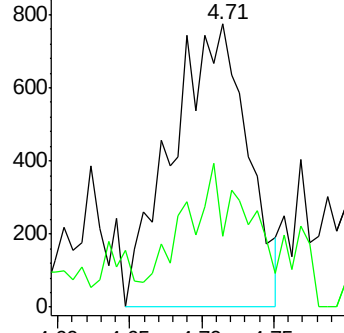
43 100

72 28.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.669 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007478.D

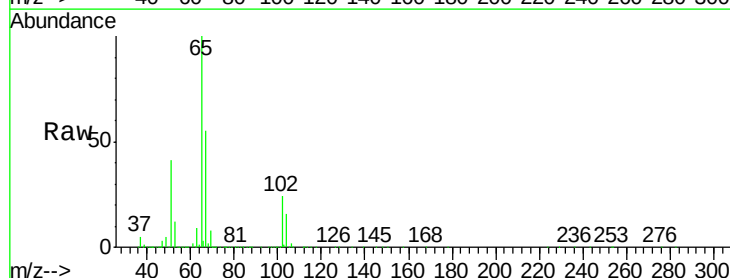
Acq: 11 Feb 2019 19:46

Tgt Ion: 65 Resp: 276219

Ion Ratio Lower Upper

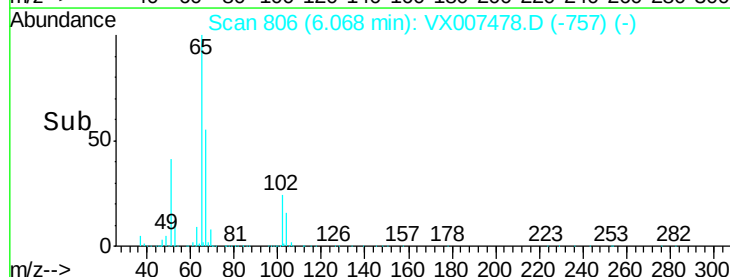
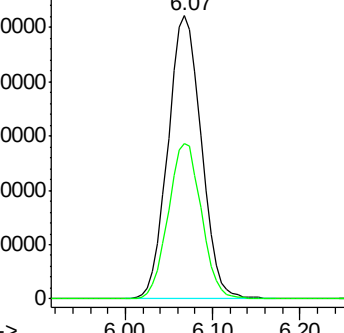
65 100

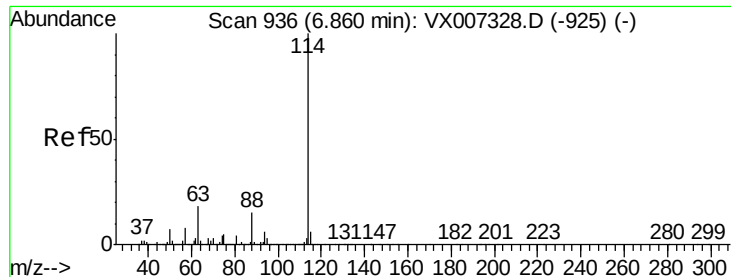
67 55.0 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

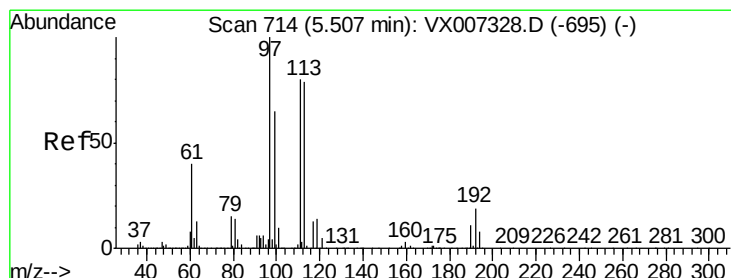
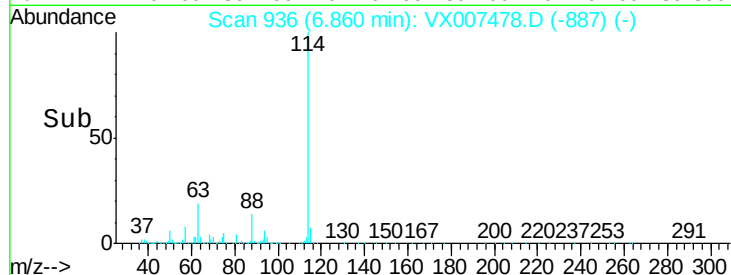
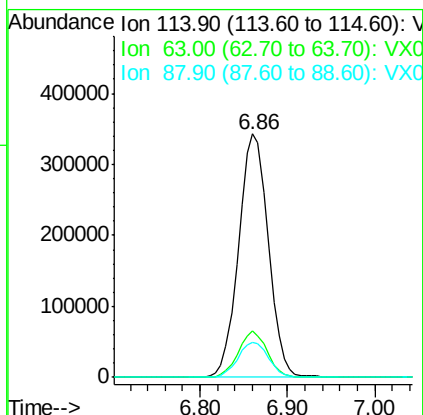
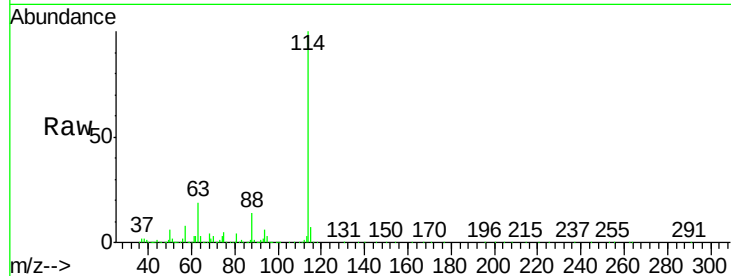




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

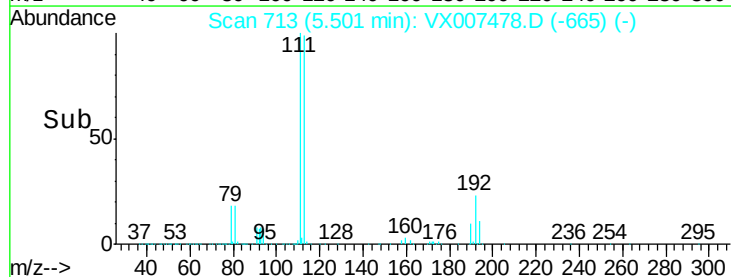
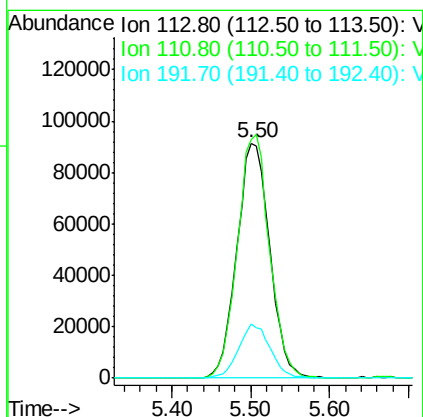
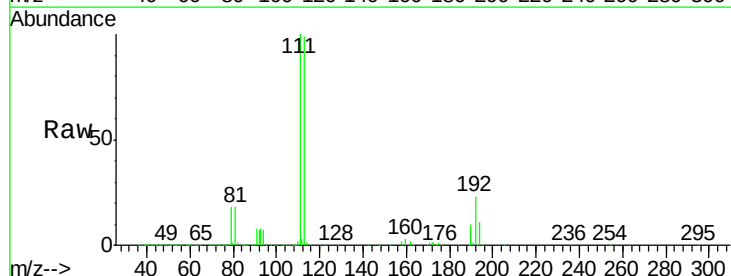
Instrument :
 MSVOA_X
 ClientSampleId :
 B-17-OW

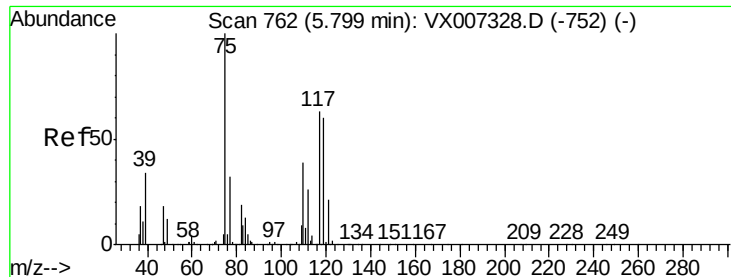
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	35.6
88	14.5	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.341 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.8
192	22.2	18.5	27.7

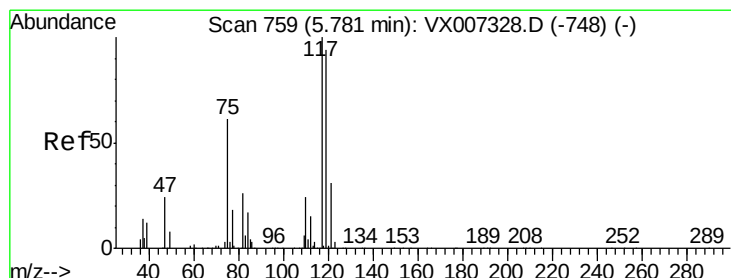
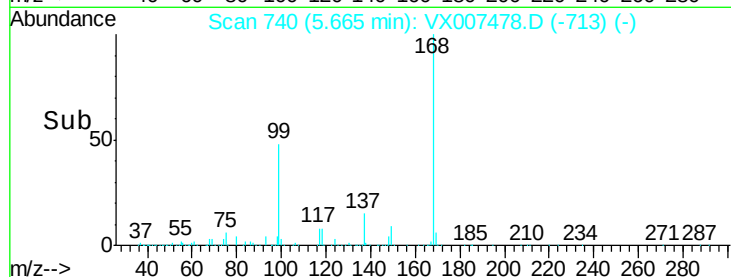
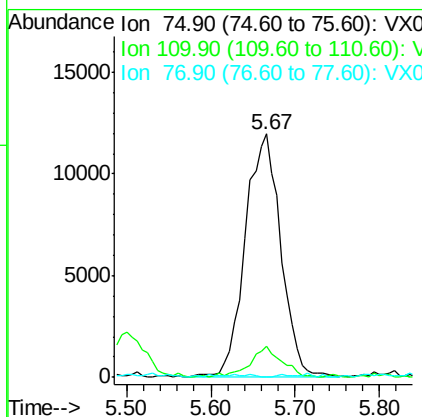
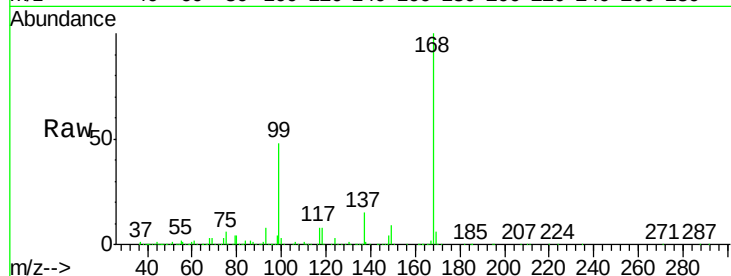




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

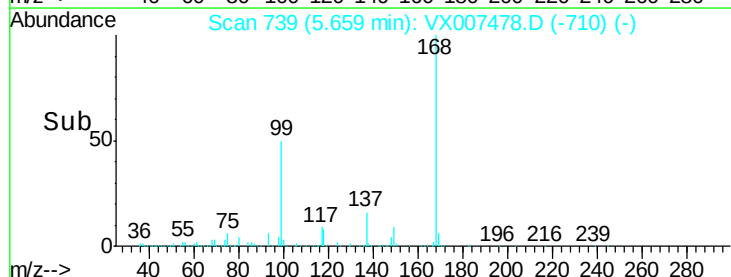
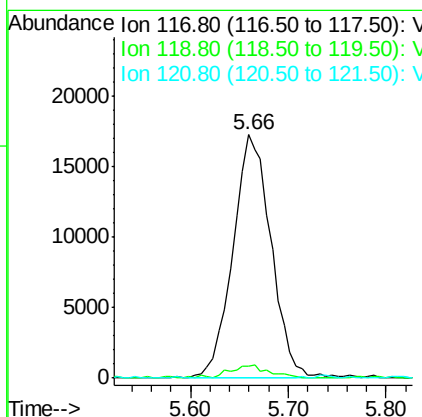
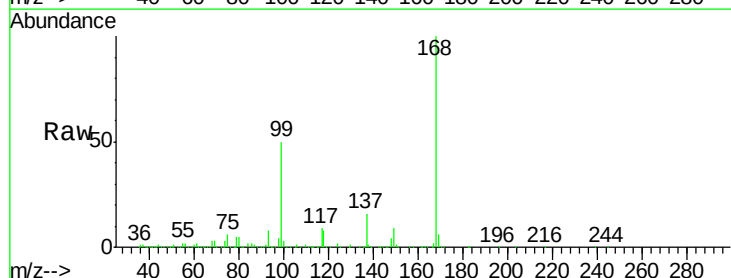
Instrument :
 MSVOA_X
 ClientSampleId :
 B-17-OW

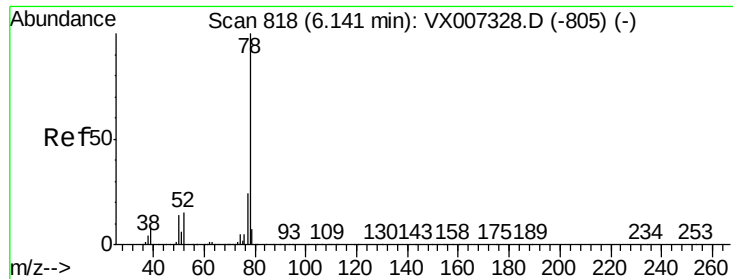
Tot Ion: 75 Resp: 34287
 Ion Ratio Lower Upper
 75 100
 110 11.5 20.0 59.9#
 77 0.5 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.664 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

Tgt Ion: 117 Resp: 46929
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.3 112.9#
 121 0.0 25.0 37.4#





#40

Benzene

Concen: 0.278 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

Instrument :

MSVOA_X

ClientSampled :

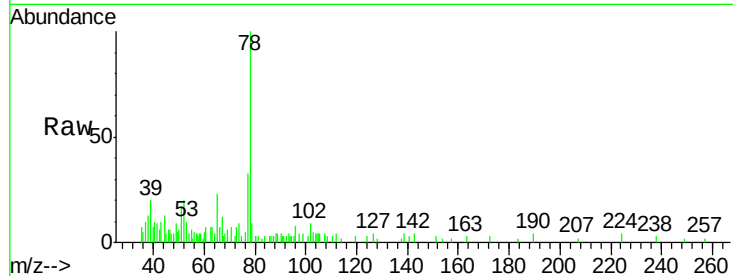
B-17-OW

Tot Ion: 78 Resp: 5934

Ion Ratio Lower Upper

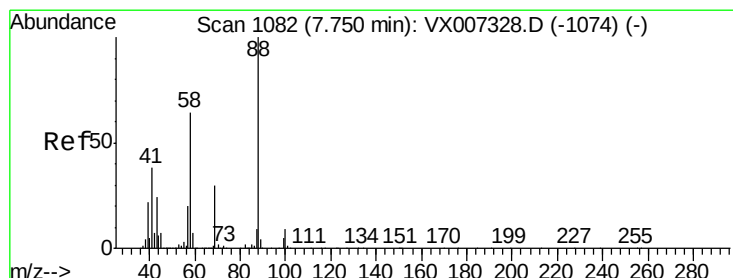
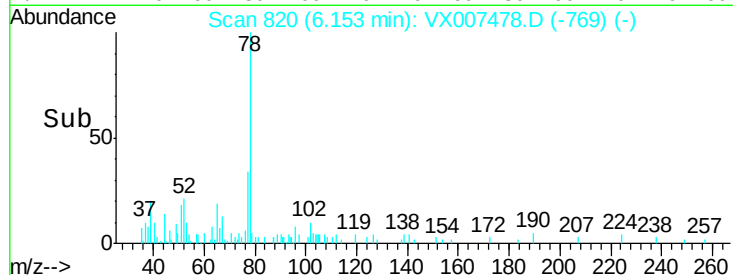
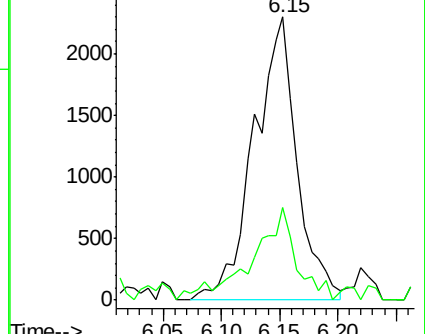
78 100

77 30.1 19.3 28.9#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 7.981 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

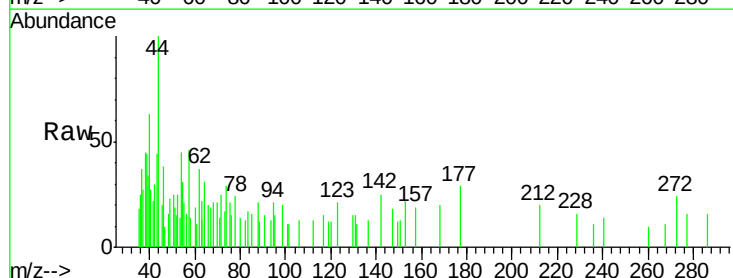
Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 198.6 24.2 36.4#

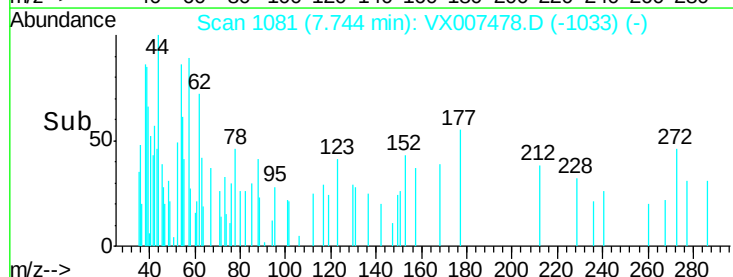
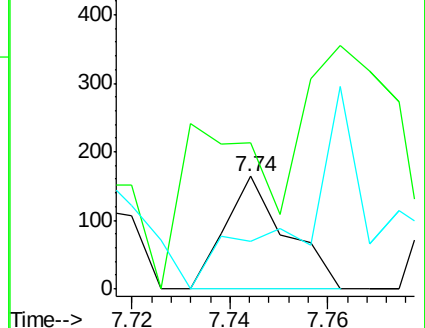
58 0.0 53.0 79.4#

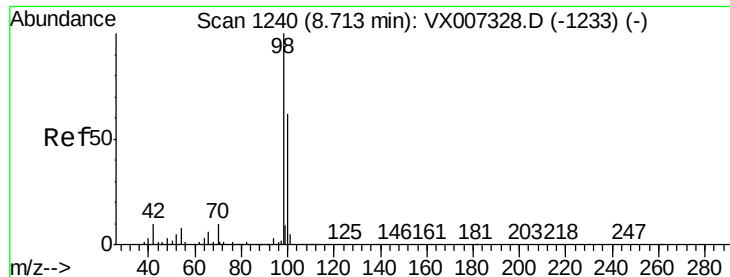


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.663 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007478.D

Acq: 11 Feb 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

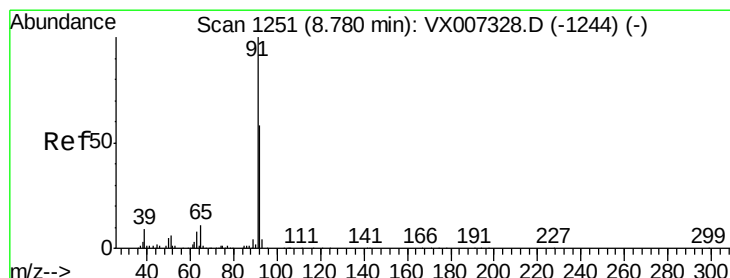
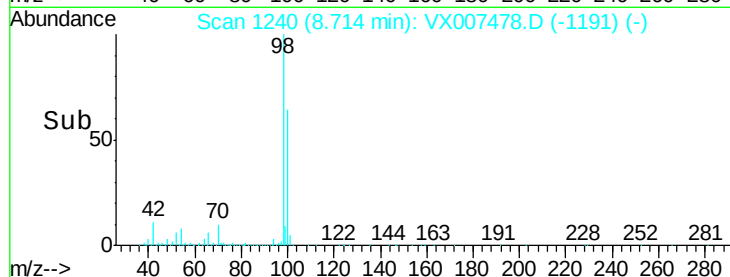
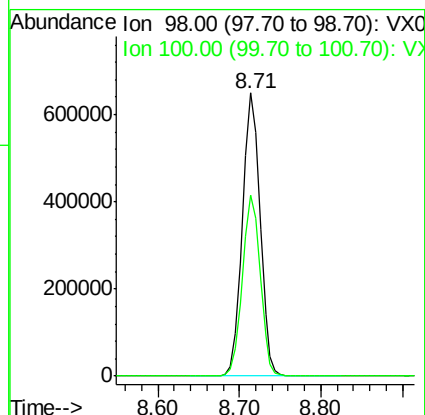
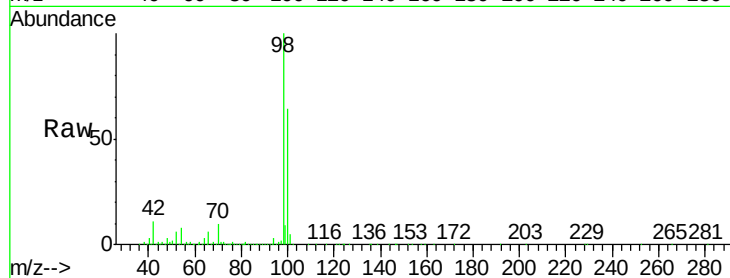
B-17-OW

Tot Ion: 98 Resp: 969988

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#52

Toluene

Concen: 0.458 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007478.D

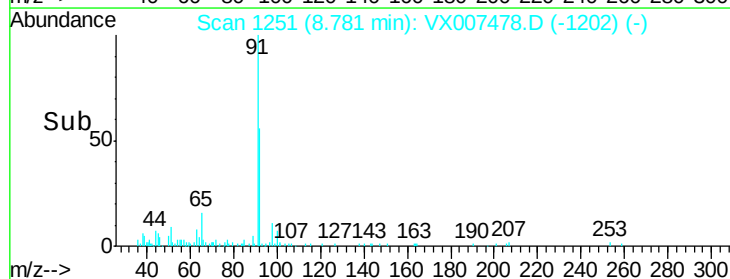
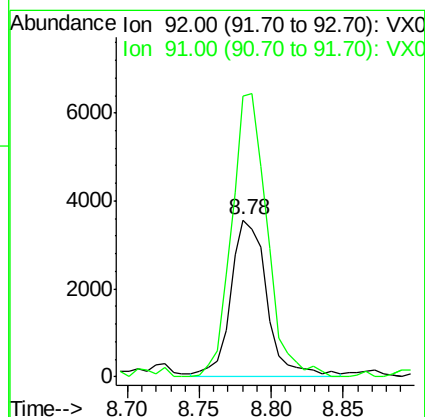
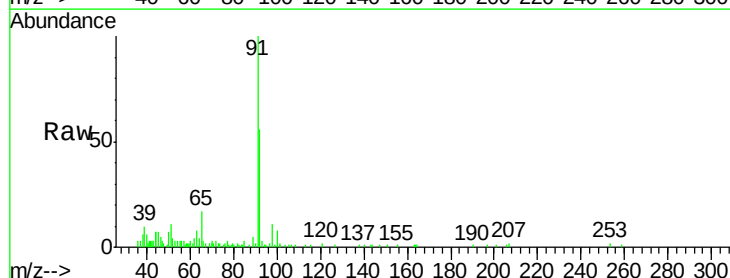
Acq: 11 Feb 2019 19:46

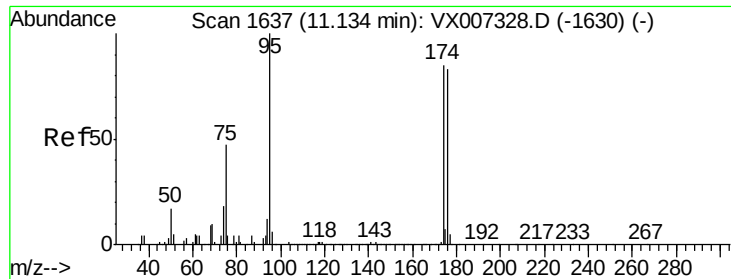
Tgt Ion: 92 Resp: 6323

Ion Ratio Lower Upper

92 100

91 174.9 139.1 208.7

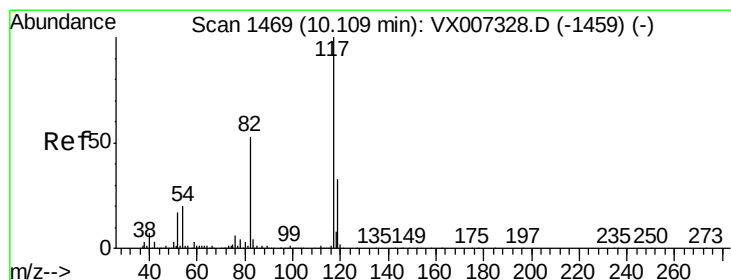
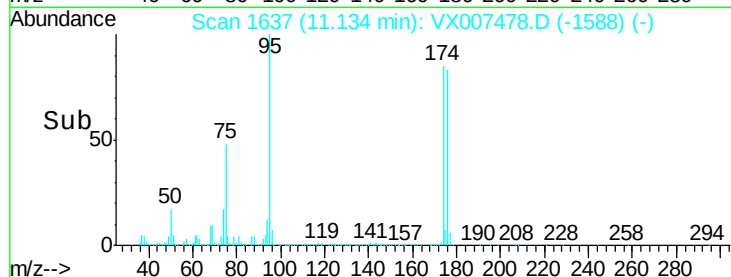
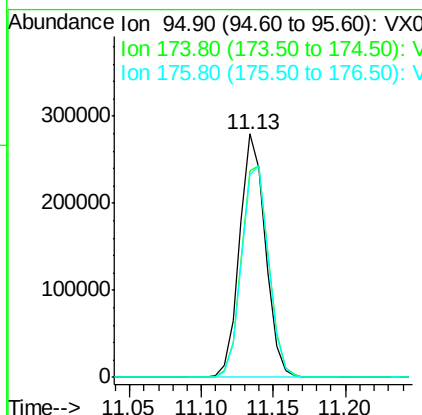
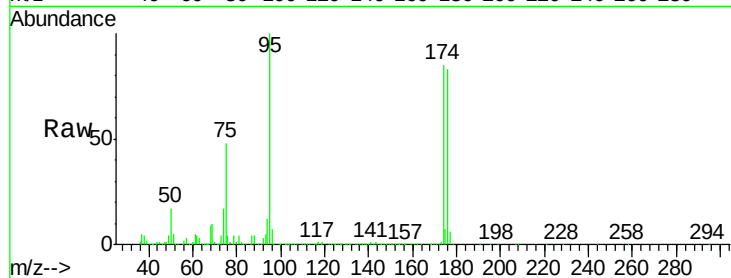




#62
4-Bromofluorobenzene
Concen: 48.841 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

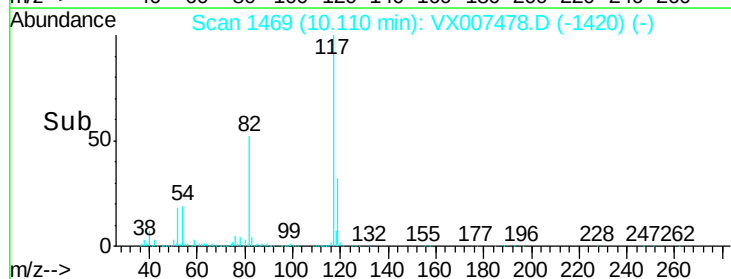
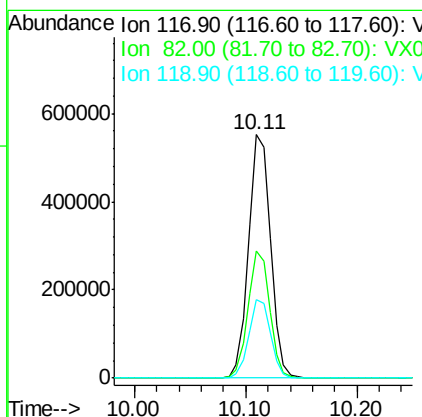
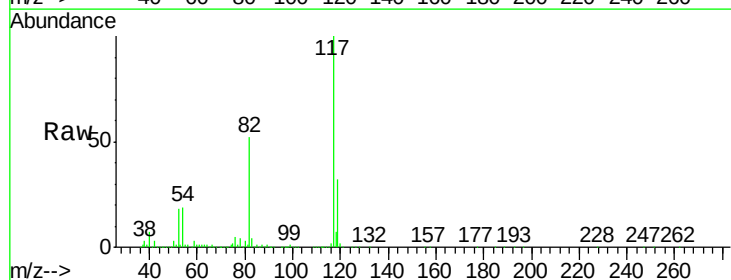
Instrument :
MSVOA_X
ClientSampled :
B-17-OW

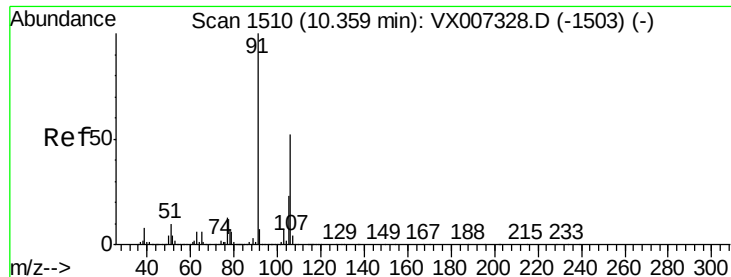
Tot Ion: 95 Resp: 348279
Ion Ratio Lower Upper
95 100
174 91.9 0.0 189.2
176 90.2 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

Tgt Ion: 117 Resp: 758648
Ion Ratio Lower Upper
117 100
82 52.1 42.1 63.1
119 32.1 26.5 39.7

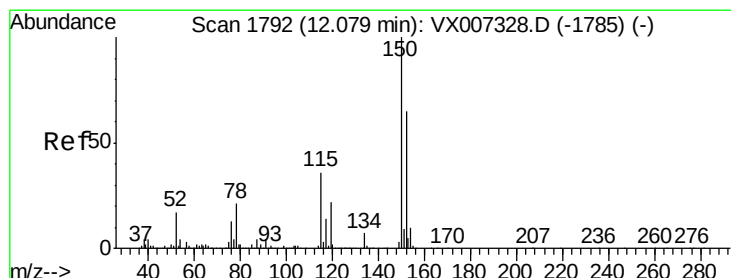
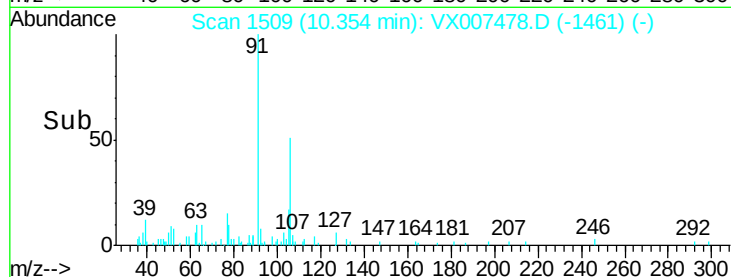
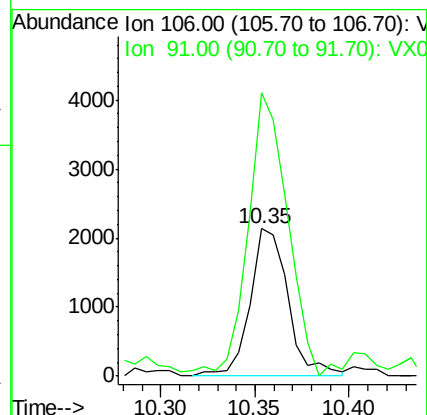
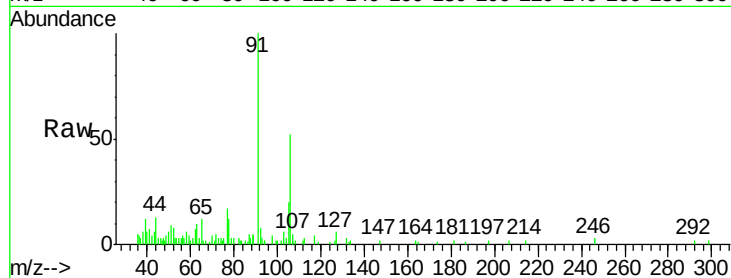




#68
m/p-Xvlenes
Concen: 0.283 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

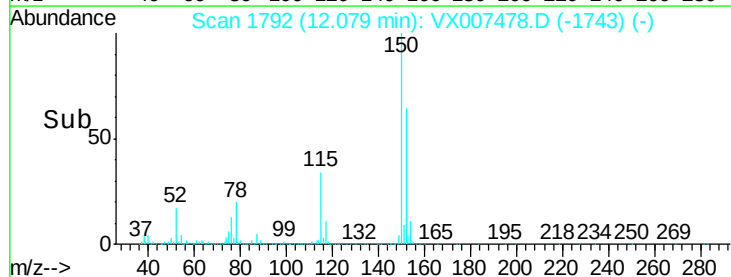
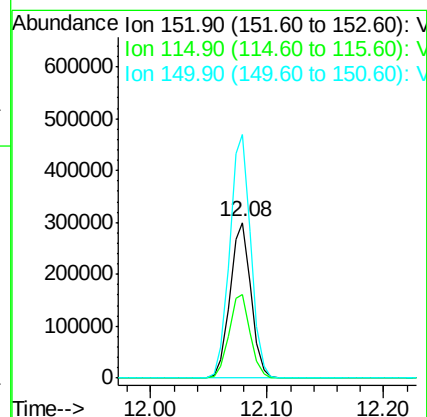
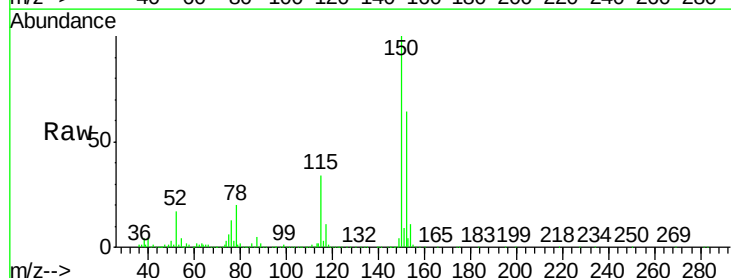
Instrument :
MSVOA_X
ClientSampleId :
B-17-OW

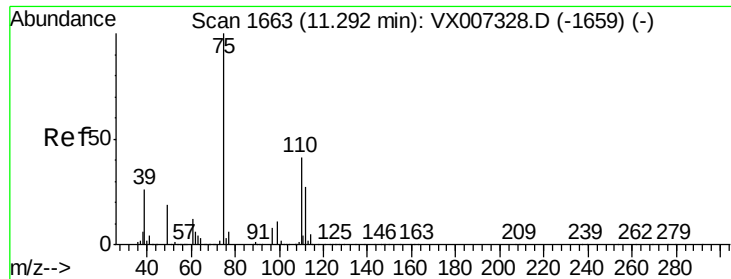
Tot Ion:106 Resp: 3004
Ion Ratio Lower Upper
106 100
91 200.8 156.6 234.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007478.D
Acq: 11 Feb 2019 19:46

Tgt Ion:152 Resp: 370952
Ion Ratio Lower Upper
152 100
115 54.6 38.0 114.0
150 157.2 0.0 346.4

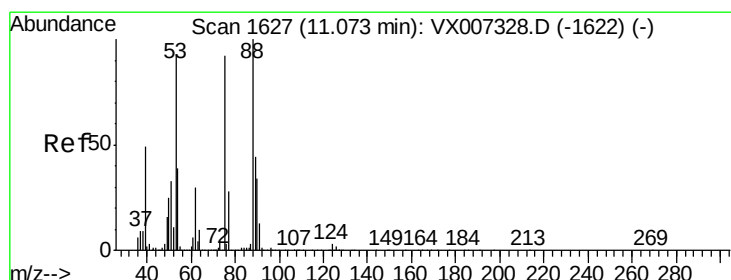
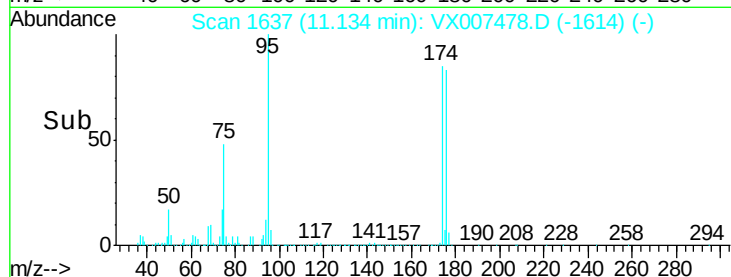
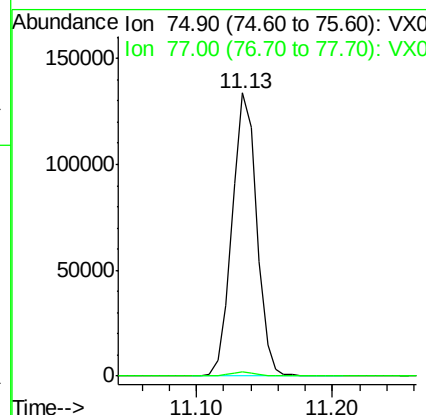
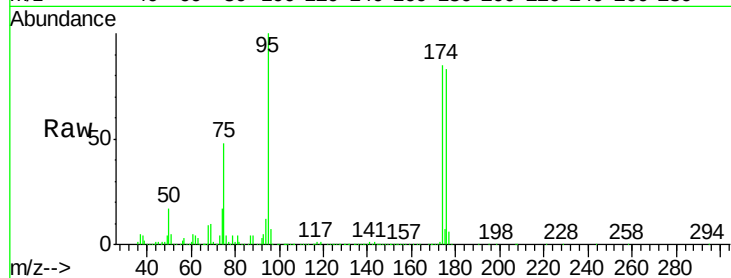




#76
 1,2,3-Trichloropropane
 Concen: 23.205 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

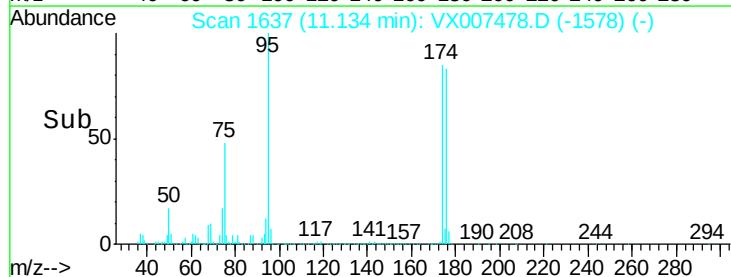
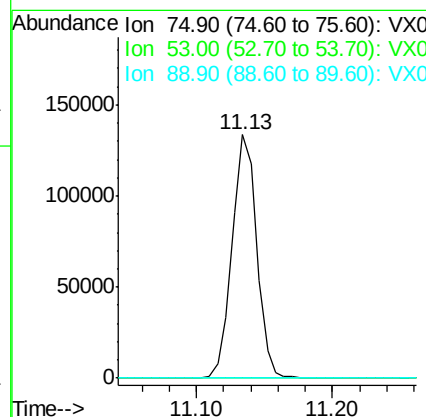
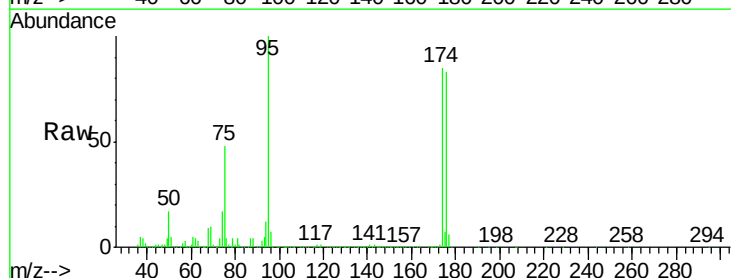
Instrument :
 MSVOA_X
 ClientSampleId :
 B-17-OW

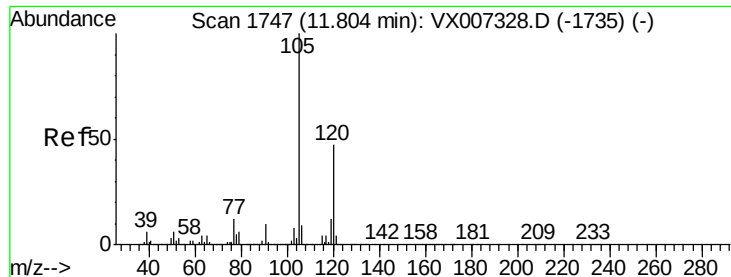
Tot Ion: 75 Resp: 167438
 Ion Ratio Lower Upper
 75 100
 77 1.4 23.0 69.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.888 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

Tgt Ion: 75 Resp: 167438
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.6#
 89 0.1 41.4 62.0#

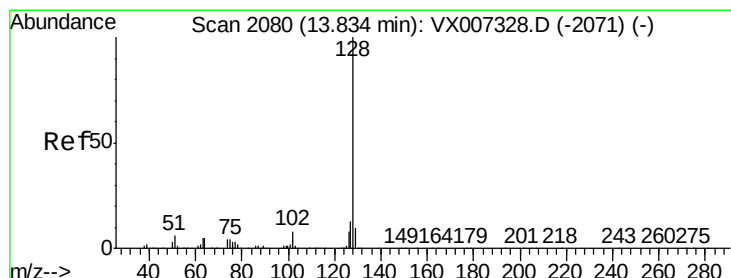
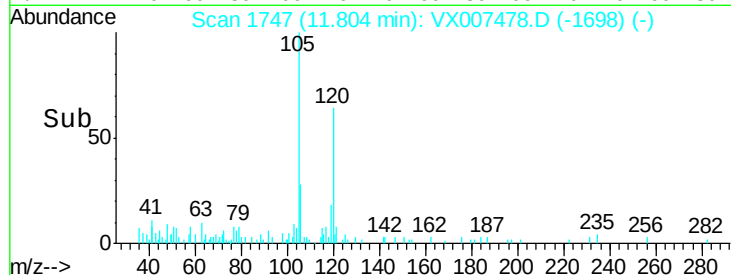
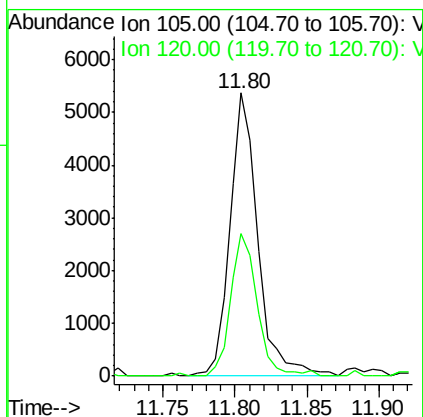
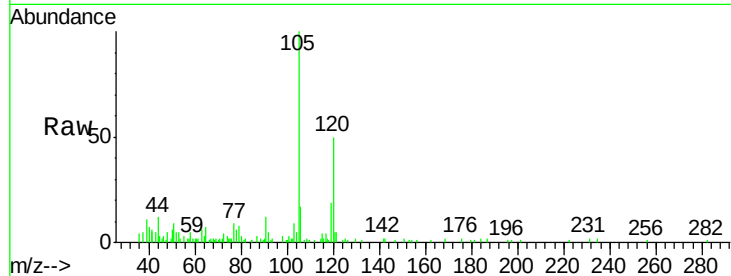




#84
 1,2,4-Trimethylbenzene
 Concen: 0.349 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

Instrument :
 MSVOA_X
 ClientSampleId :
 B-17-OW

Tot Ion:105 Resp: 7310
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.1 69.3



#95
 Naphthalene
 Concen: 0.518 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007478.D
 Acq: 11 Feb 2019 19:46

Tgt Ion:128 Resp: 12953
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.5 15.7
 129 13.9 8.7 13.1#

