

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092320\
 Data File : VX018551.D
 Acq On : 23 Sep 2020 21:45
 Operator : JC/SP
 Sample : L4083-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917

Quant Time: Sep 24 00:39:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	457420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	737528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	718246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	370448	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	325196	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
35) Dibromofluoromethane	5.47	113	254351	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.70	98	907038	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.12	95	344253	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

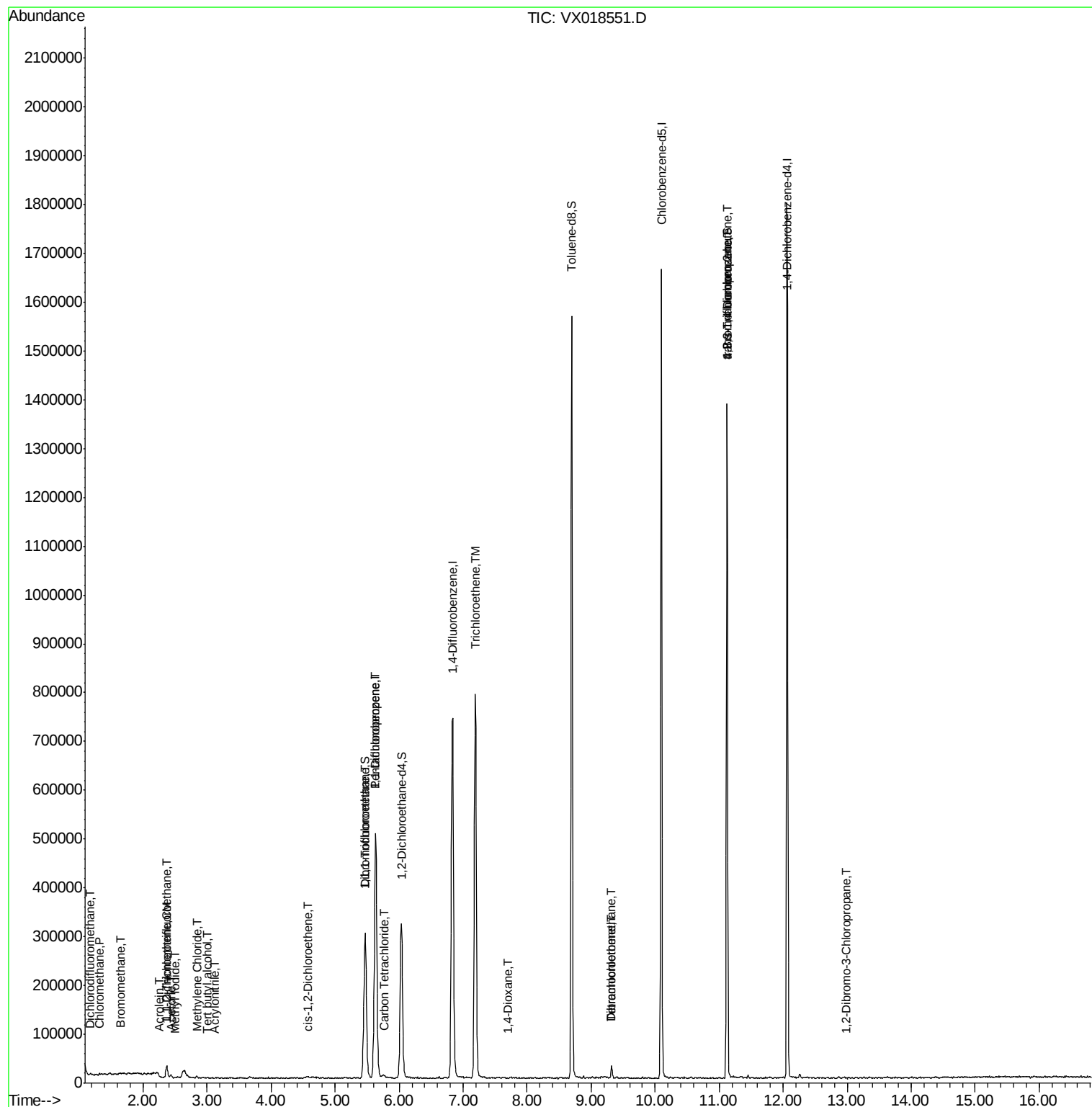
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1409	0.325	ug/l	97
3) Chloromethane	1.31	50	2005	0.395	ug/l #	87
5) Bromomethane	1.65	94	832	0.252	ug/l #	44
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7948	1.808	ug/l	96
10) Methyl Iodide	2.50	142	306	4.965	ug/l #	18
11) Tert butyl alcohol	3.01	59	484	0.430	ug/l #	53
12) 1,1-Dichloroethene	2.36	96	2088	0.471	ug/l #	72
13) Acrolein	2.26	56	274	0.384	ug/l	97
15) Acrylonitrile	3.12	53	573	0.213	ug/l #	85
16) Acetone	2.43	43	5954	2.406	ug/l	98
20) Methylene Chloride	2.83	84	2193	0.402	ug/l #	59
27) cis-1,2-Dichloroethene	4.56	96	1506	0.261	ug/l	74
32) 1,1,1-Trichloroethane	5.46	97	3173	0.358	ug/l #	43
36) 1,1-Dichloropropene	5.63	75	36033	5.034	ug/l #	52
38) Carbon Tetrachloride	5.78	117	4519	0.570	ug/l #	67
44) Trichloroethene	7.19	130	296990	50.008	ug/l	93
49) 1,4-Dioxane	7.70	88	93	0.912	ug/l #	1
60) Dibromochloromethane	9.32	129	3998	0.626	ug/l #	12
64) Tetrachloroethene	9.32	164	4245	0.751	ug/l #	85
76) 1,2,3-Trichloropropane	11.12	75	181581	23.325	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	181581	59.771	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	430	0.216	ug/l #	22

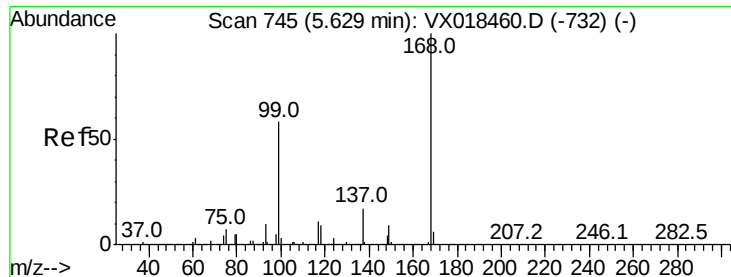
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092320\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

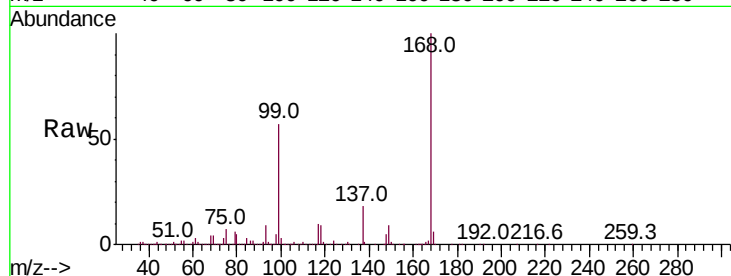
RE109D3-20200917

Tot Ion:168 Resp: 457420

Ion Ratio Lower Upper

168 100

99 57.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

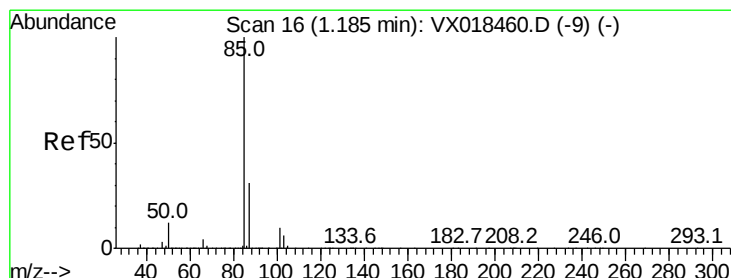
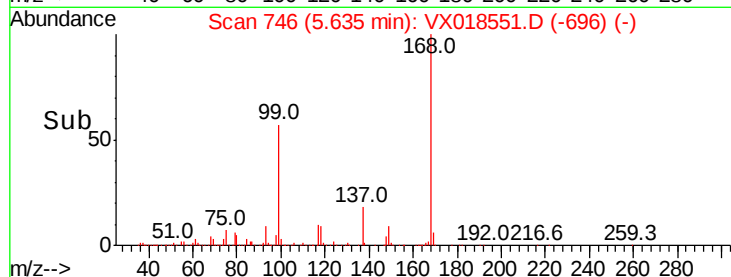
50000

0

5.50 5.60 5.70 5.80

5.64

Time-->



#2

Dichlorodifluoromethane

Concen: 0.325 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018551.D

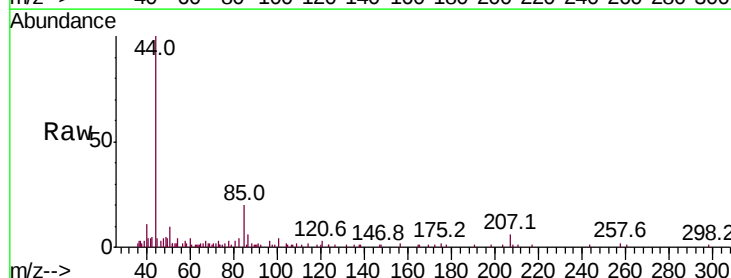
Acq: 23 Sep 2020 21:45

Tgt Ion: 85 Resp: 1409

Ion Ratio Lower Upper

85 100

87 29.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1000

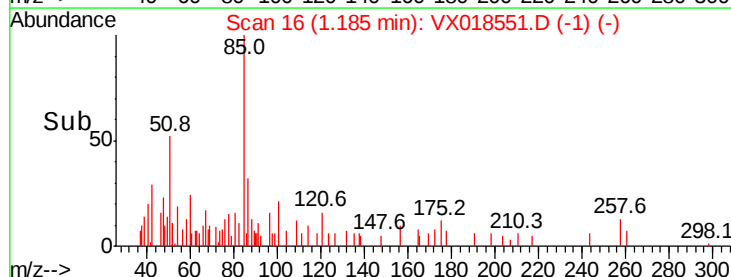
500

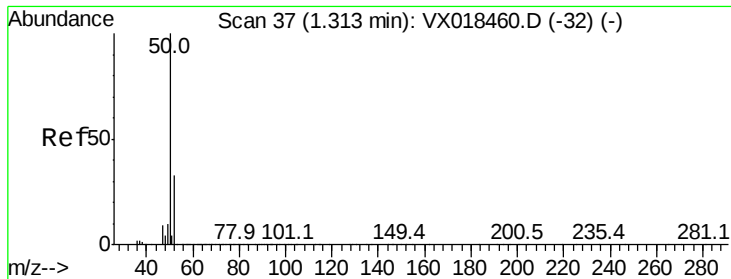
0

1.15 1.20

1.18

Time-->





#3

Chloromethane

Concen: 0.395 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

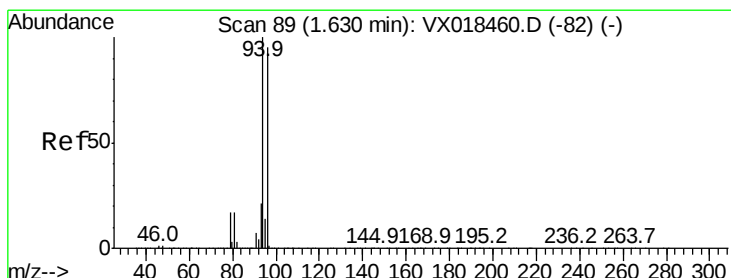
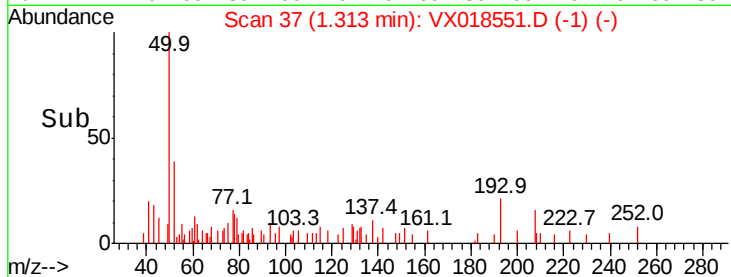
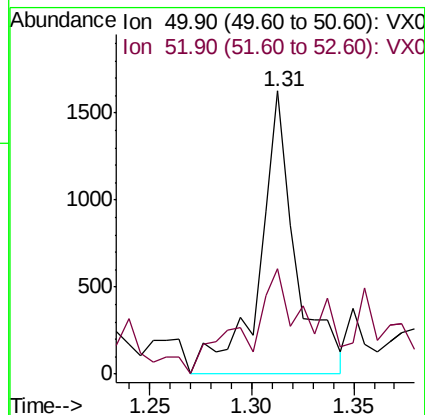
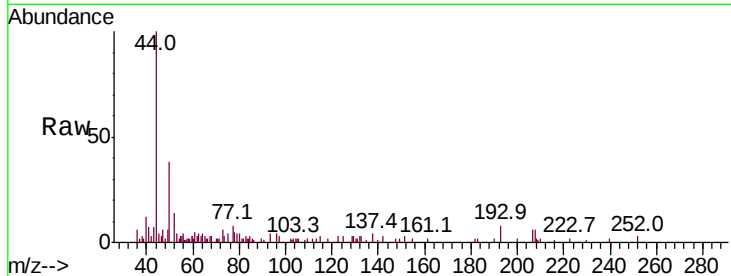
RE109D3-20200917

Tot Ion: 50 Resp: 2005

Ion Ratio Lower Upper

50 100

52 40.4 26.6 40.0#



#5

Bromomethane

Concen: 0.252 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018551.D

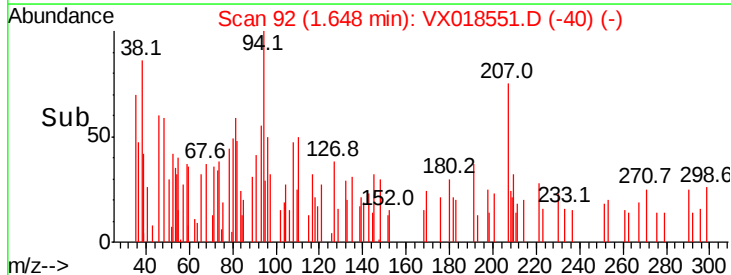
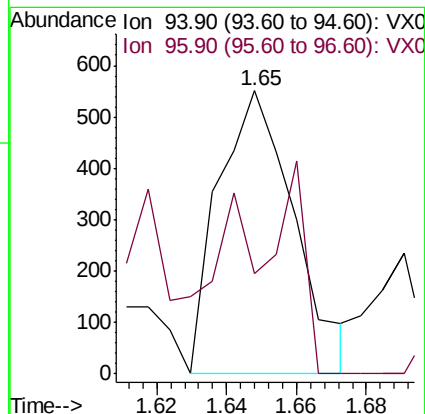
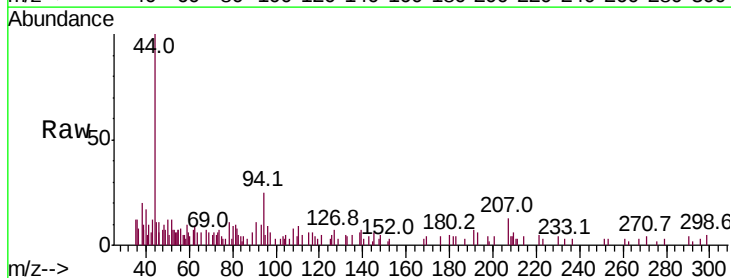
Acq: 23 Sep 2020 21:45

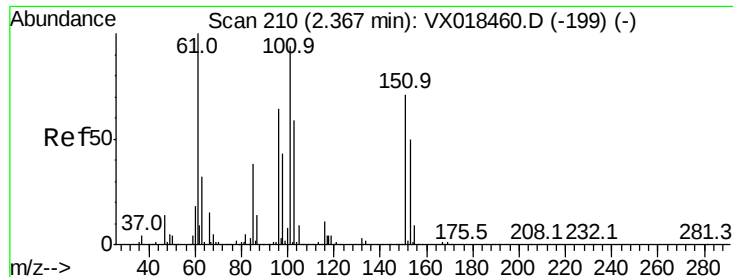
Tgt Ion: 94 Resp: 832

Ion Ratio Lower Upper

94 100

96 39.8 75.5 113.3#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.808 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917

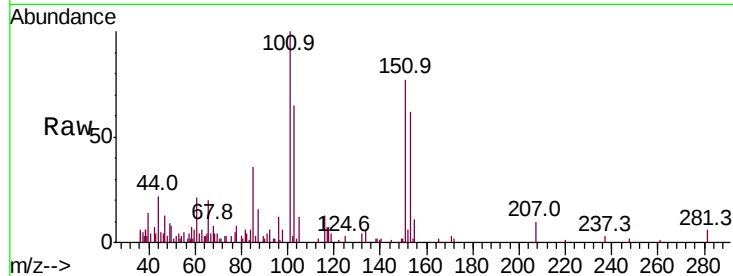
Tot Ion:101 Resp: 7948

Ion Ratio Lower Upper

101 100

85 47.3 34.7 52.1

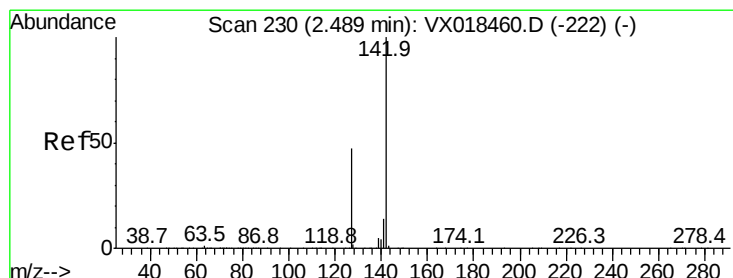
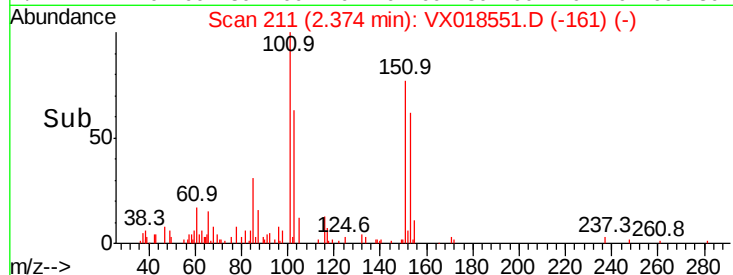
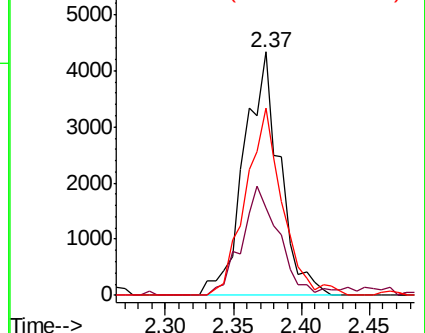
151 79.2 64.9 97.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.965 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

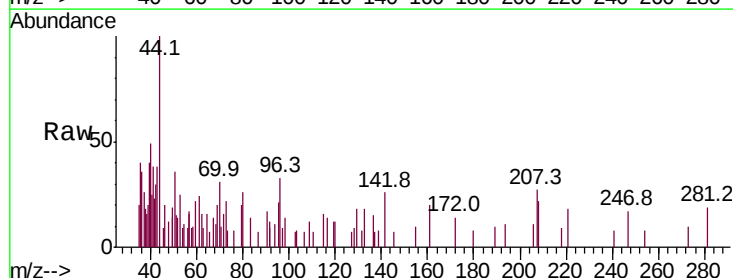
Tgt Ion:142 Resp: 306

Ion Ratio Lower Upper

142 100

127 85.9 36.0 54.0#

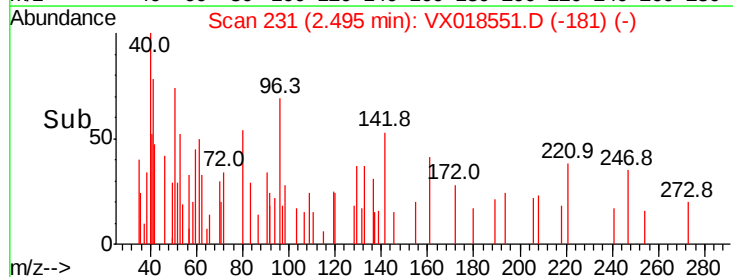
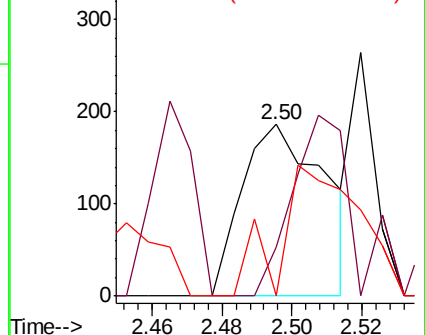
141 73.5 11.9 17.9#

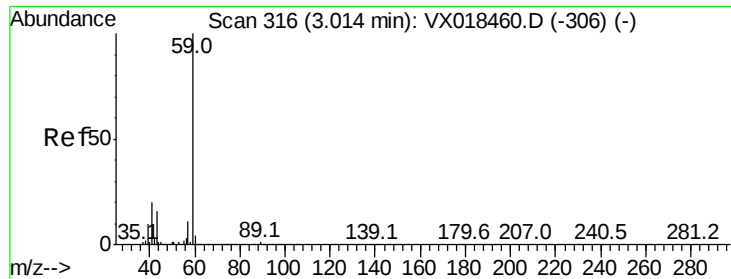


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

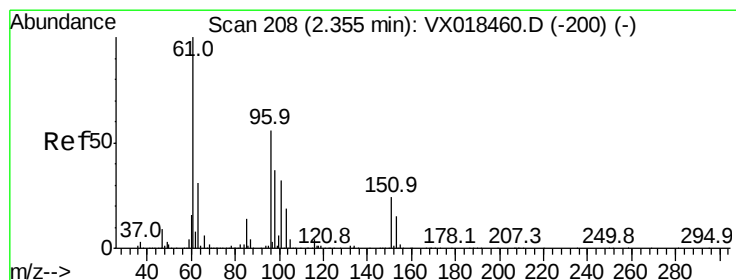
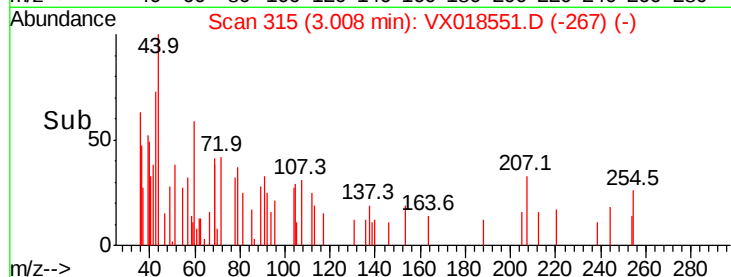
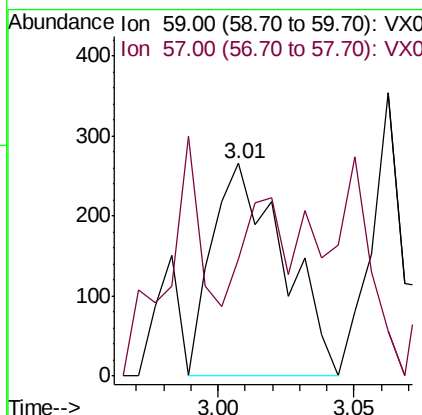
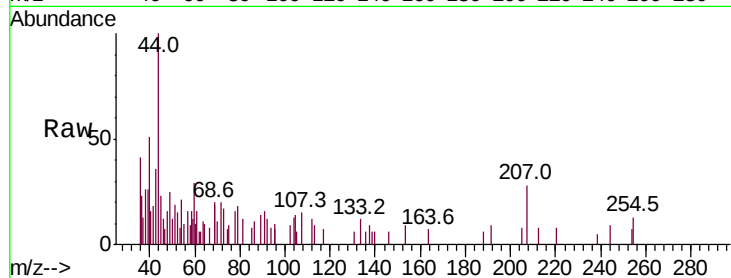




#11
Tert butyl alcohol
Concen: 0.430 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

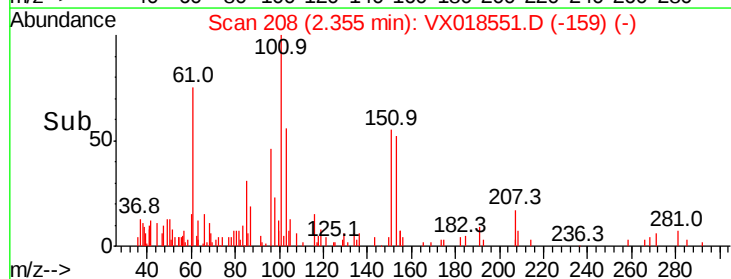
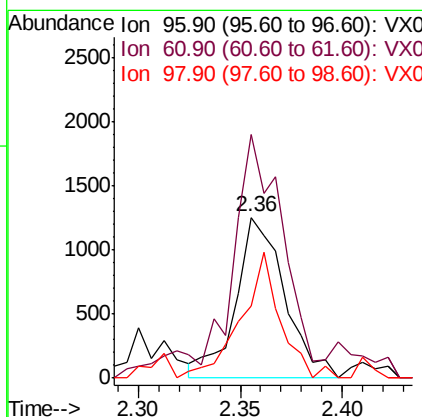
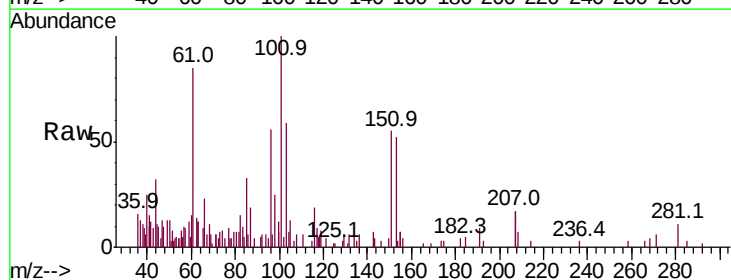
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917

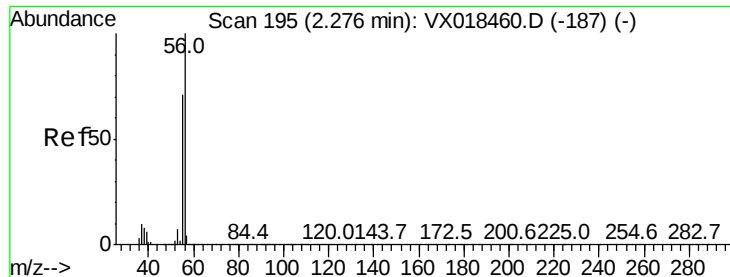
Tot Ion: 59 Resp: 484
Ion Ratio Lower Upper
59 100
57 27.9 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.471 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

Tgt Ion: 96 Resp: 2088
Ion Ratio Lower Upper
96 100
61 137.0 142.2 213.4#
98 45.1 52.4 78.6#





#13

Acrolein

Concen: 0.384 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.02 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

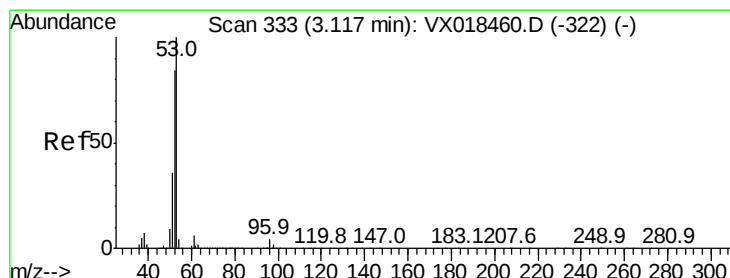
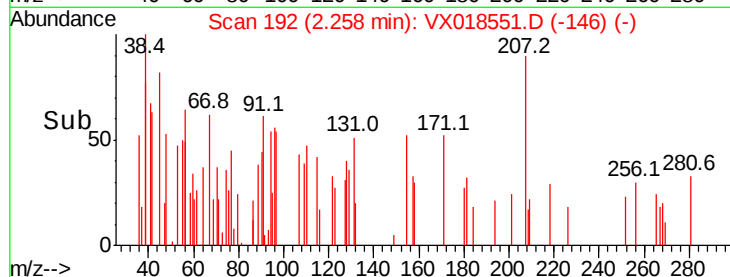
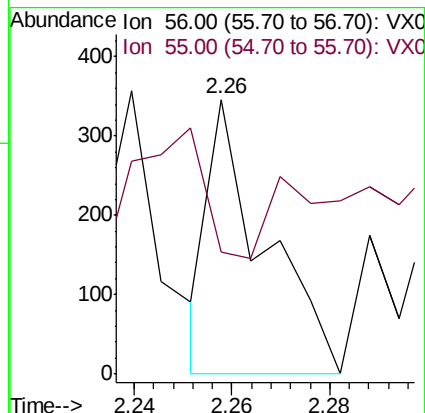
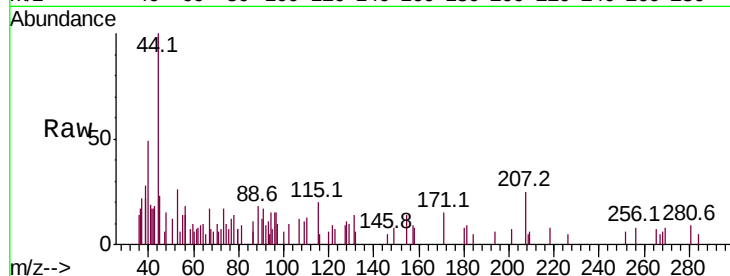
RE109D3-20200917

Tot Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 70.4 58.2 87.4



#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

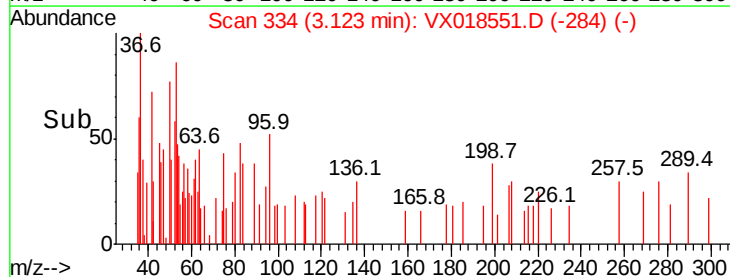
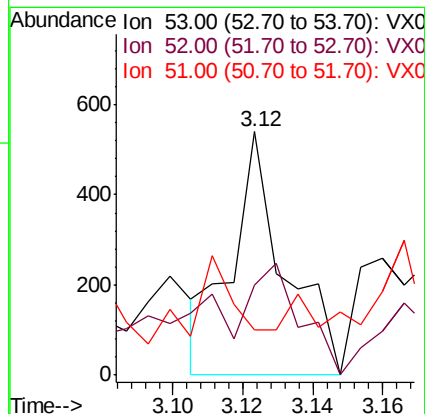
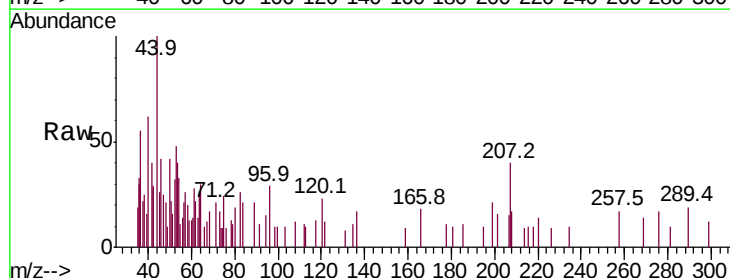
Tgt Ion: 53 Resp: 573

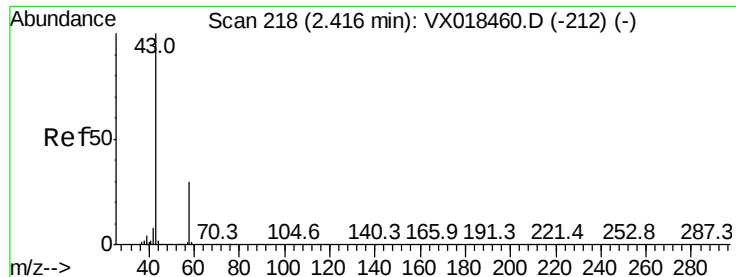
Ion Ratio Lower Upper

53 100

52 84.1 65.8 98.8

51 10.5 29.2 43.8#

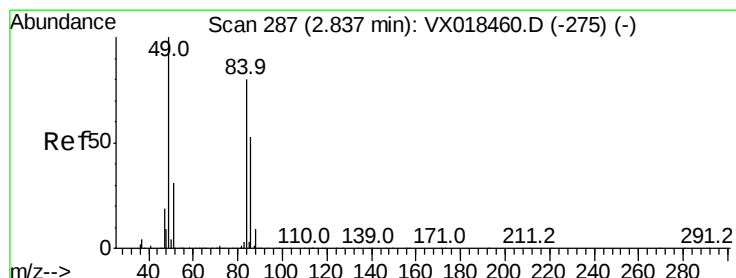
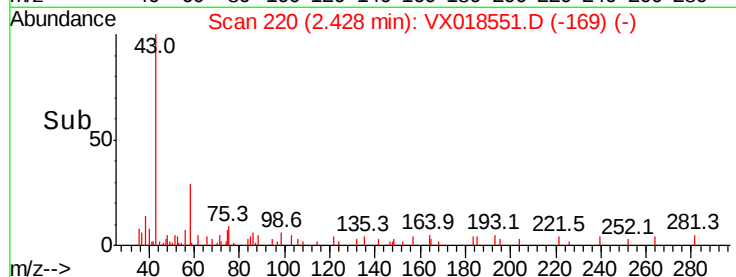
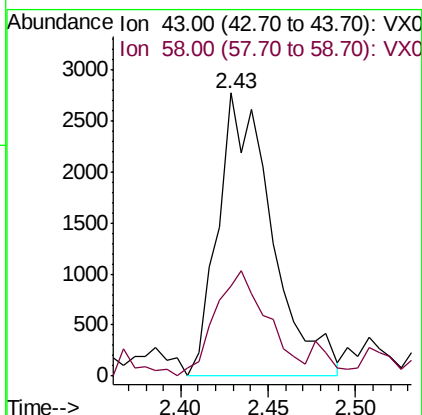
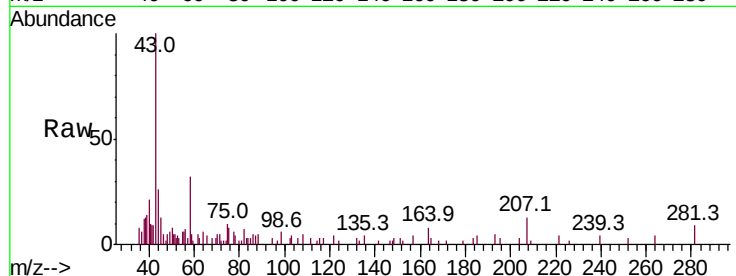




#16
Acetone
Concen: 2.406 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

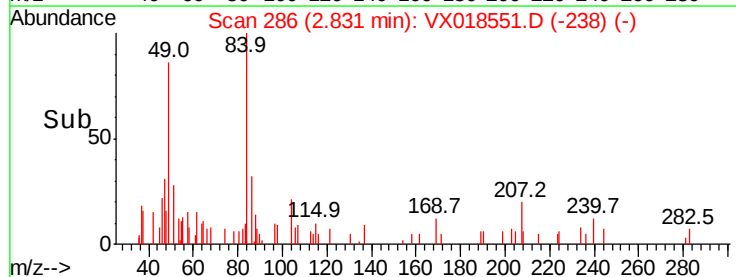
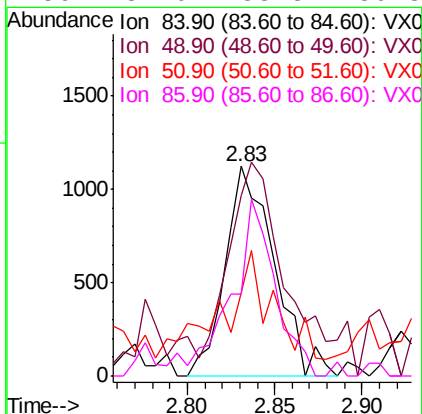
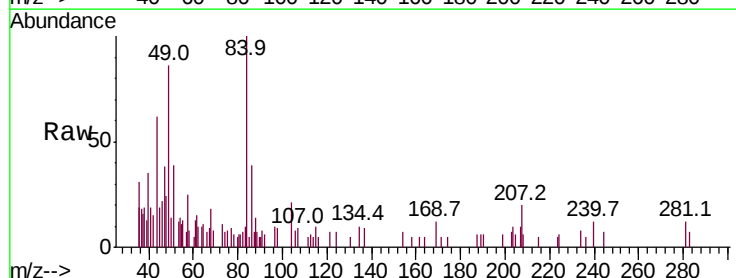
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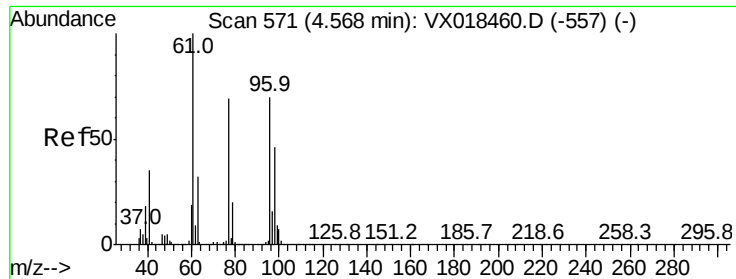
Tot Ion: 43 Resp: 5954
Ion Ratio Lower Upper
43 100
58 29.0 24.0 36.0



#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

Tgt Ion: 84 Resp: 2193
Ion Ratio Lower Upper
84 100
49 69.0 100.6 151.0#
51 29.8 30.9 46.3#
86 34.0 53.5 80.3#





#27

cis-1,2-Dichloroethene

Concen: 0.261 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917

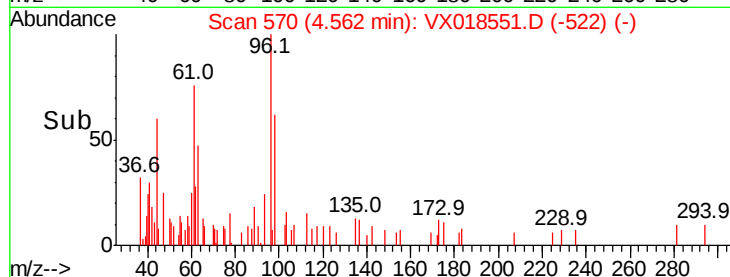
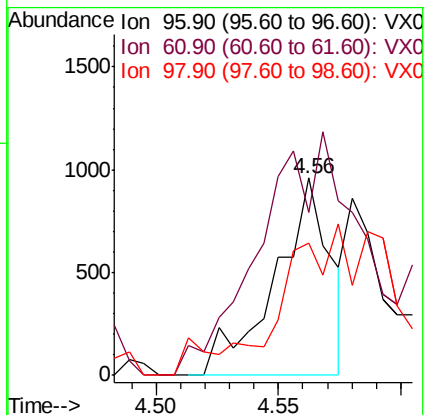
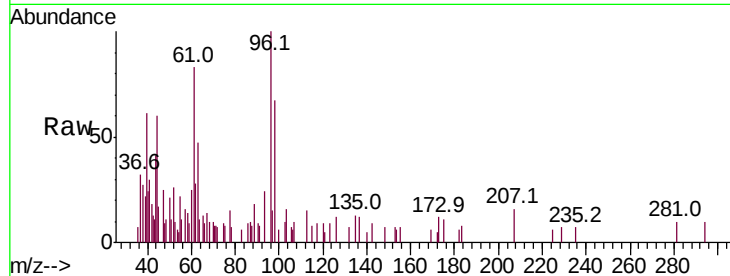
Tot Ion: 96 Resp: 1506

Ion Ratio Lower Upper

96 100

61 119.2 0.0 300.0

98 42.4 0.0 130.4



#32

1,1,1-Trichloroethane

Concen: 0.358 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

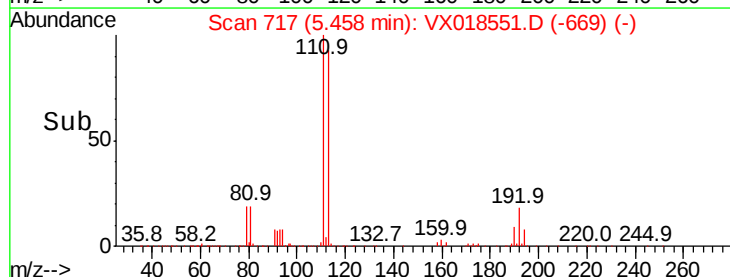
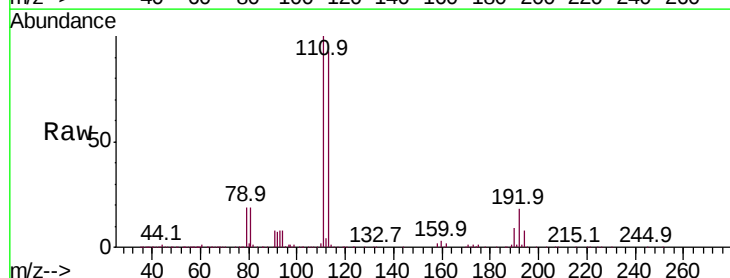
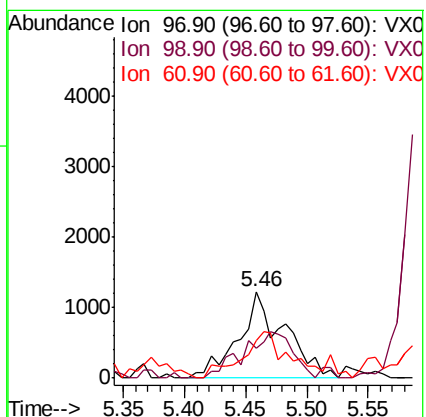
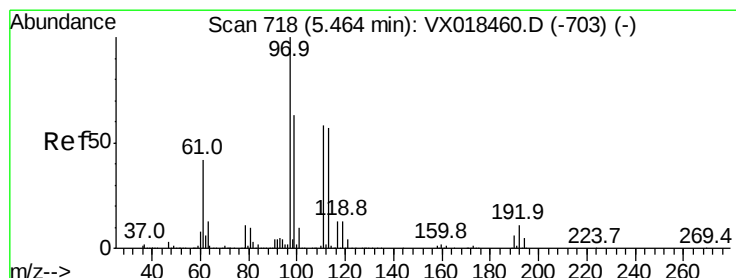
Tgt Ion: 97 Resp: 3173

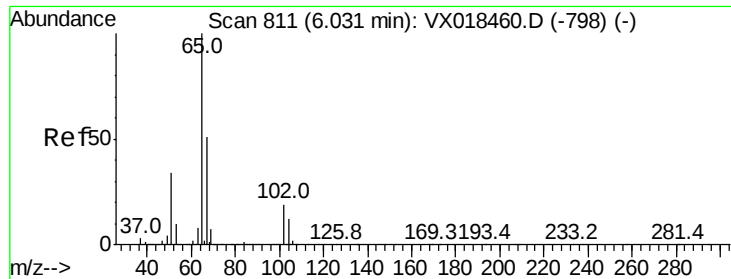
Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

61 54.8 33.4 50.2#





#33

1,2-Dichloroethane-d4

Concen: 50.255 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

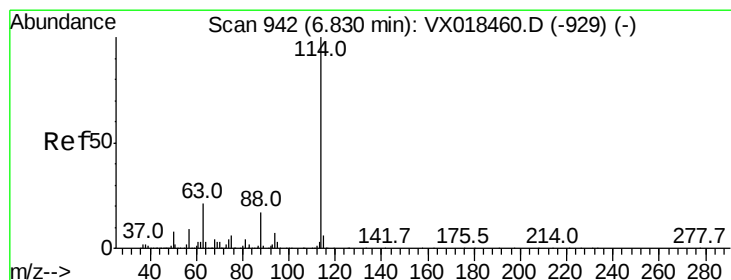
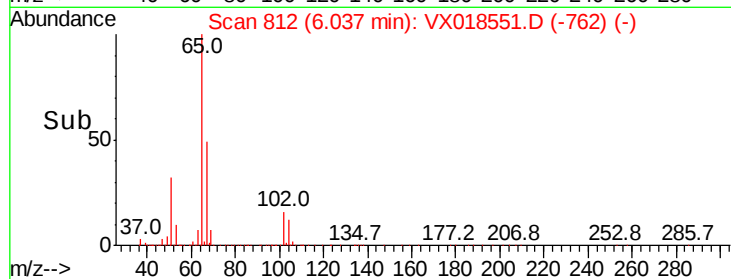
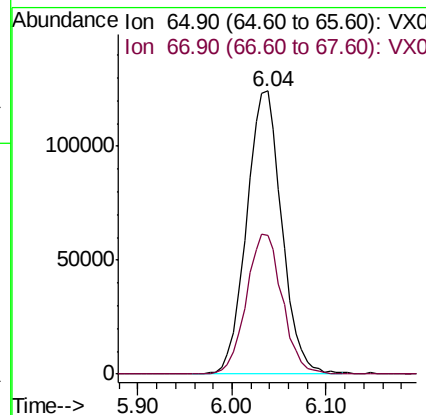
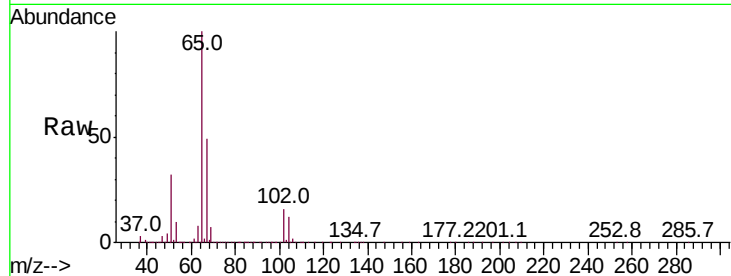
RE109D3-20200917

Tot Ion: 65 Resp: 325196

Ion Ratio Lower Upper

65 100

67 50.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

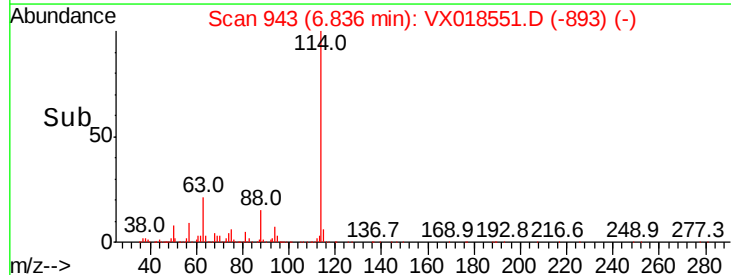
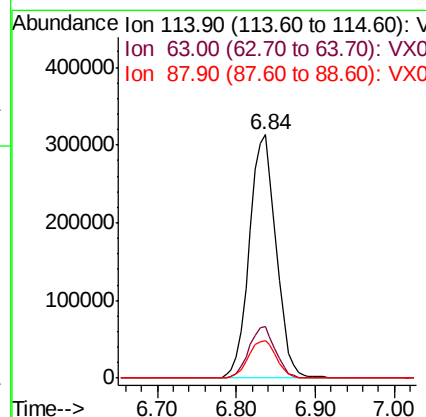
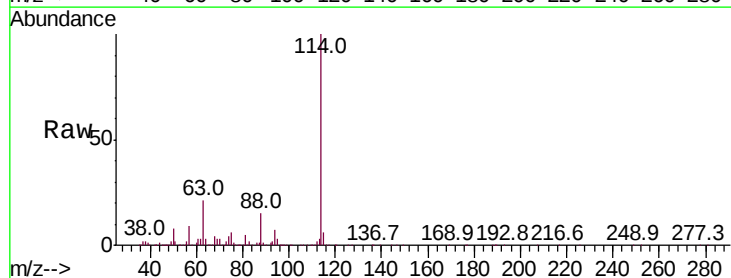
Tgt Ion: 114 Resp: 737528

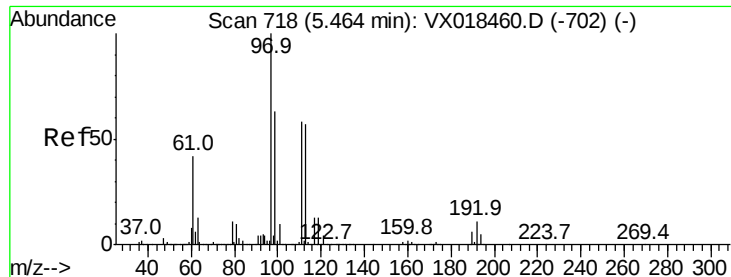
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

88 15.4 0.0 33.6

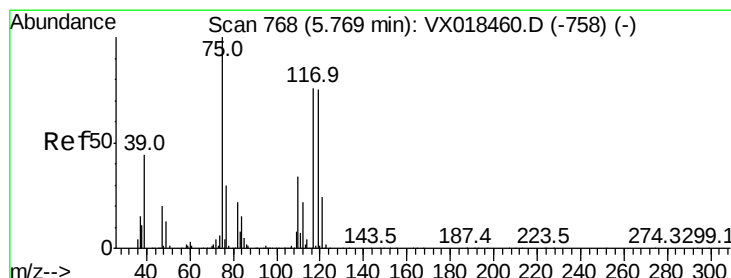
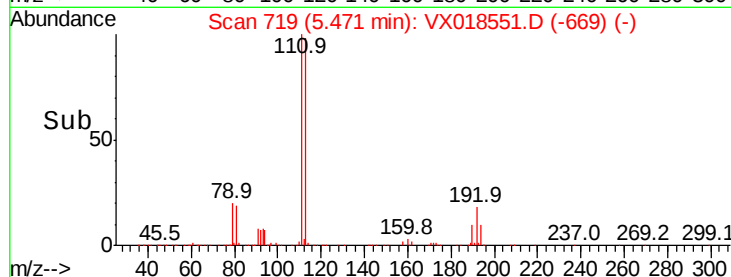
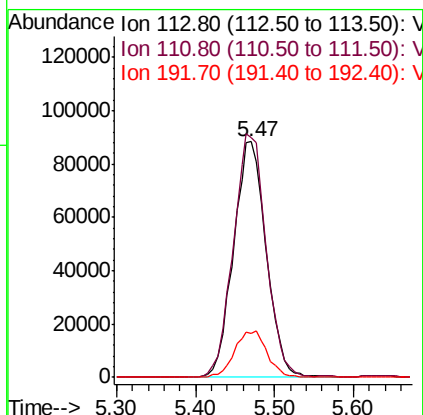
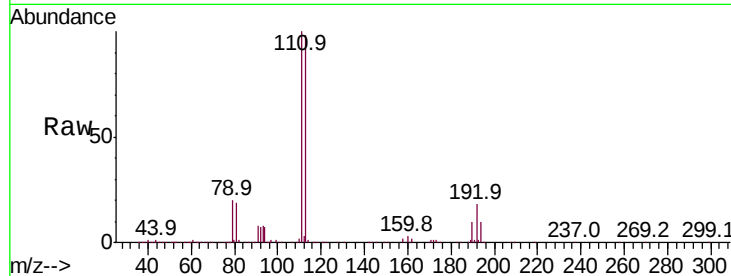




#35
Dibromofluoromethane
Concen: 49.886 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

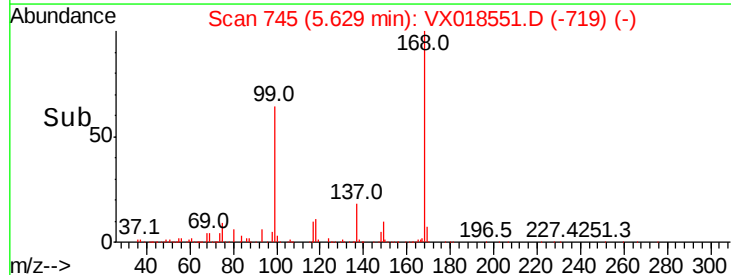
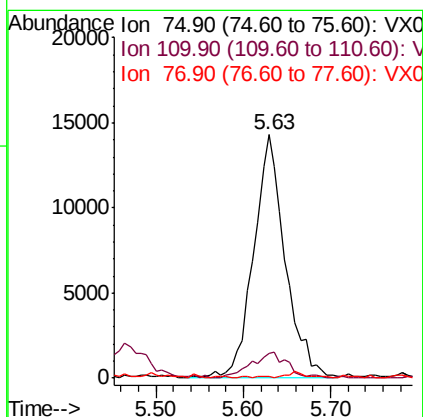
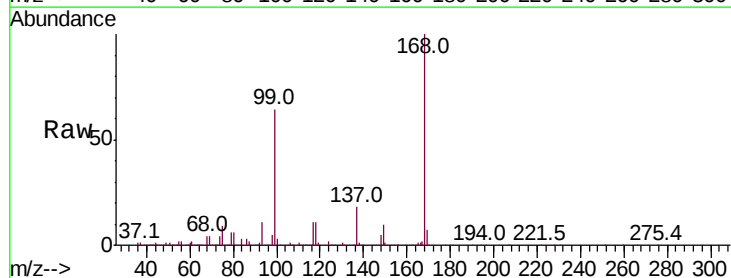
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917

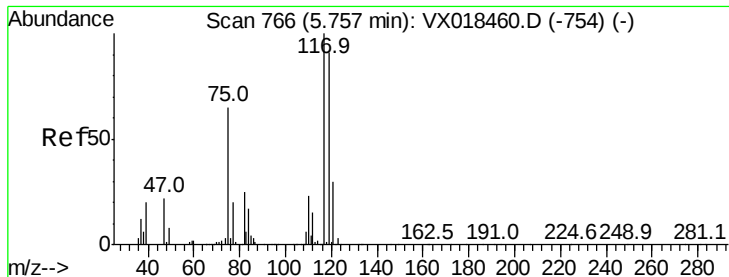
Tot Ion:113 Resp: 254351
Ion Ratio Lower Upper
113 100
111 103.9 81.4 122.2
192 19.6 16.6 24.8



#36
1,1-Dichloropropene
Concen: 5.034 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

Tgt Ion: 75 Resp: 36033
Ion Ratio Lower Upper
75 100
110 11.9 17.6 52.8#
77 0.3 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 0.570 ug/l

RT: 5.78 min Scan# 769

Delta R.T. 0.02 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917

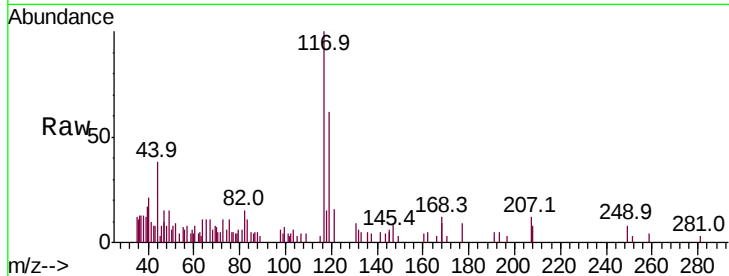
Tot Ion:117 Resp: 4519

Ion Ratio Lower Upper

117 100

119 56.5 72.3 108.5#

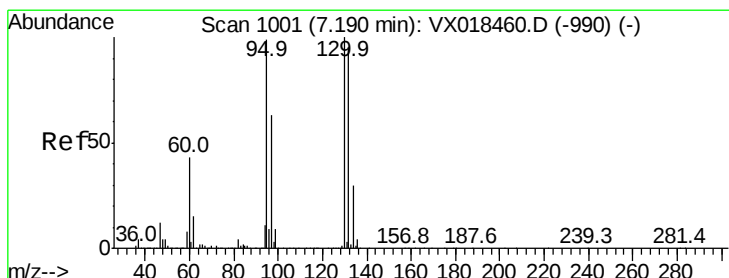
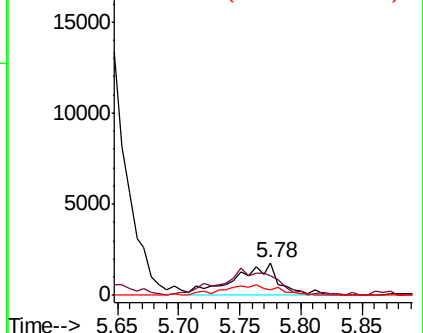
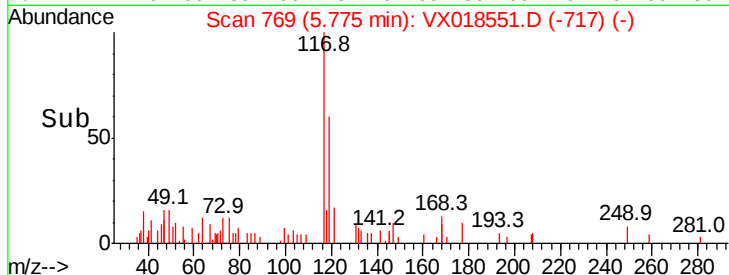
121 16.0 23.8 35.8#



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



#44

Trichloroethene

Concen: 50.008 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018551.D

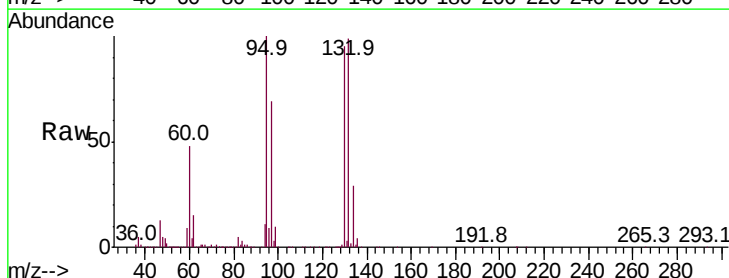
Acq: 23 Sep 2020 21:45

Tgt Ion:130 Resp: 296990

Ion Ratio Lower Upper

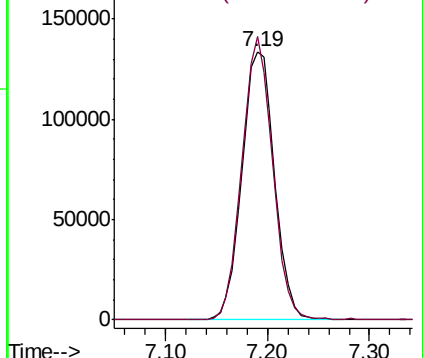
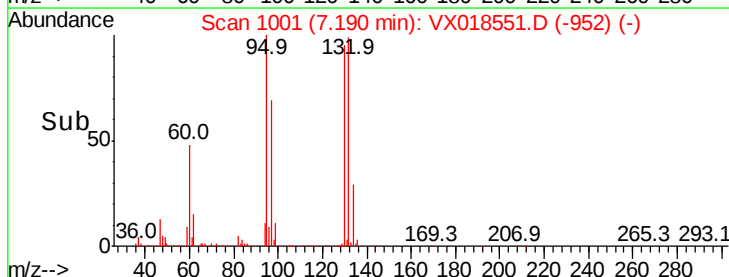
130 100

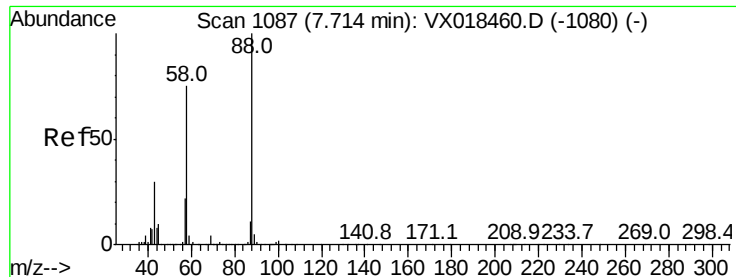
95 105.4 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.912 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917

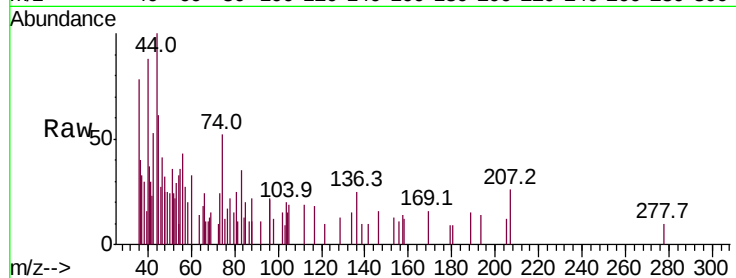
Tot Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 279.6 29.9 44.9#

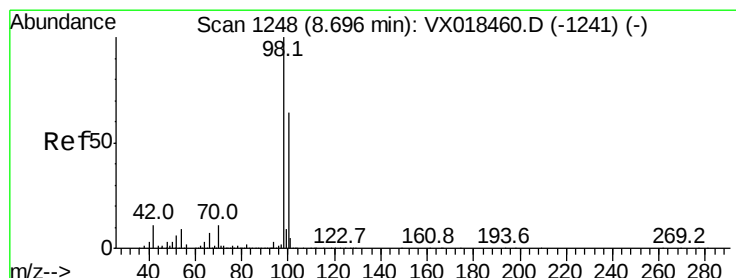
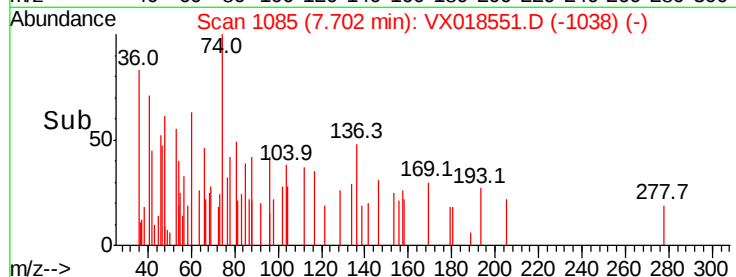
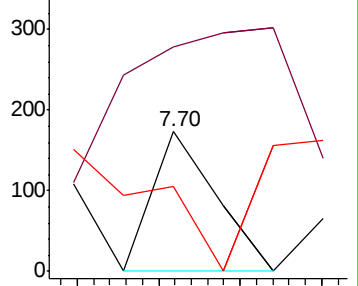
58 0.0 59.0 88.6#



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: 48.963 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018551.D

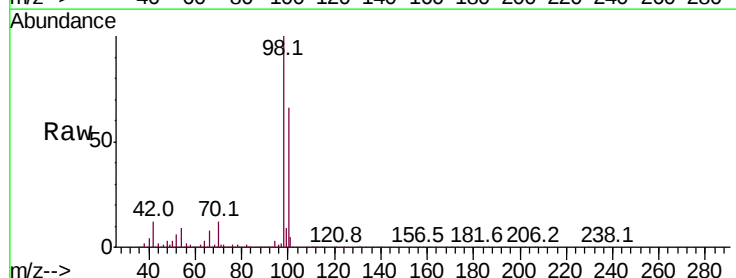
Acq: 23 Sep 2020 21:45

Tgt Ion: 98 Resp: 907038

Ion Ratio Lower Upper

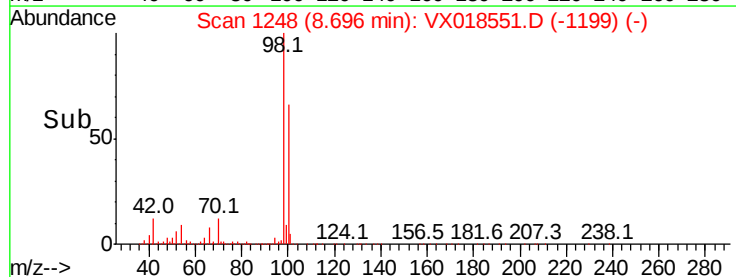
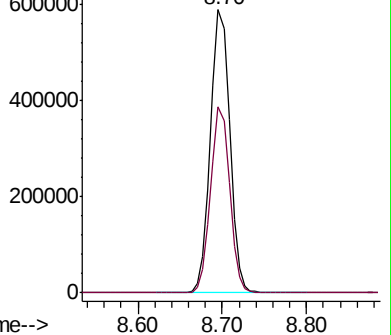
98 100

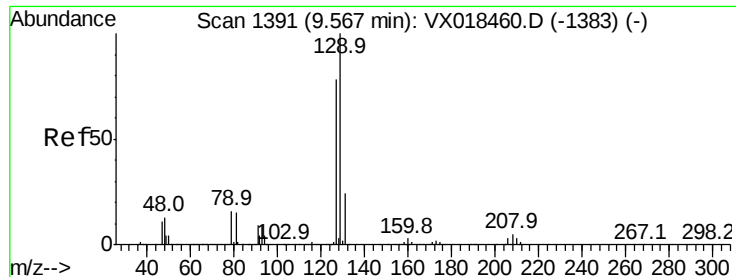
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.626 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. -0.24 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

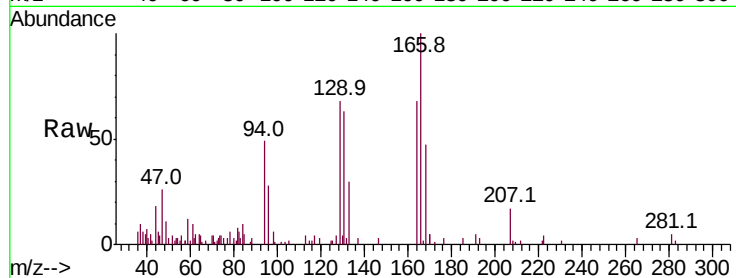
RE109D3-20200917

Tot Ion:129 Resp: 3998

Ion Ratio Lower Upper

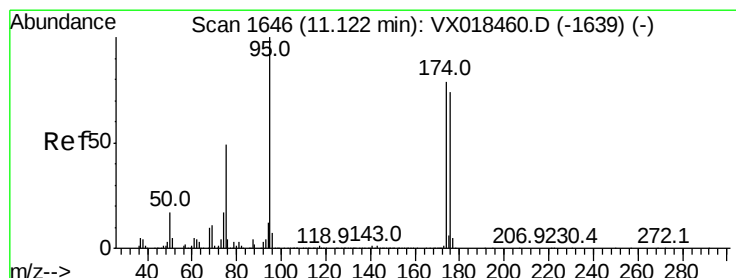
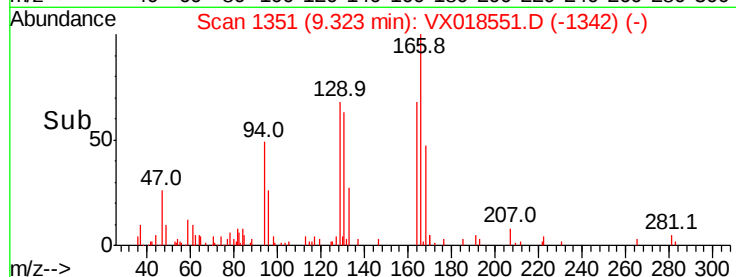
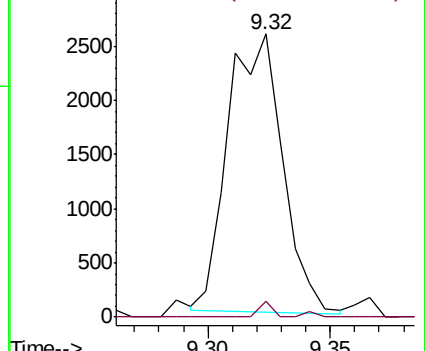
129 100

127 1.3 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.717 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

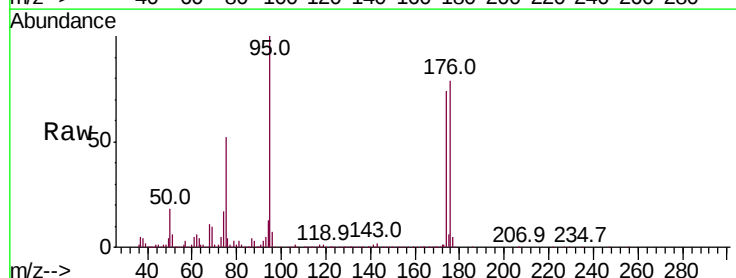
Tgt Ion: 95 Resp: 344253

Ion Ratio Lower Upper

95 100

174 78.7 0.0 161.4

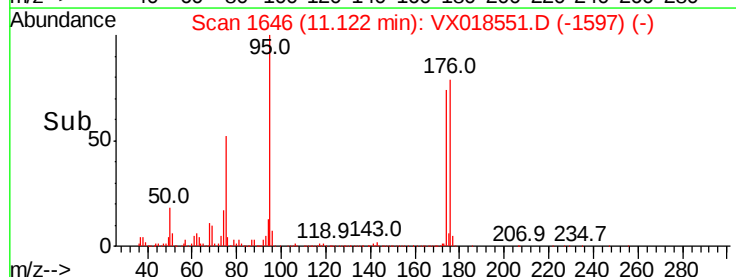
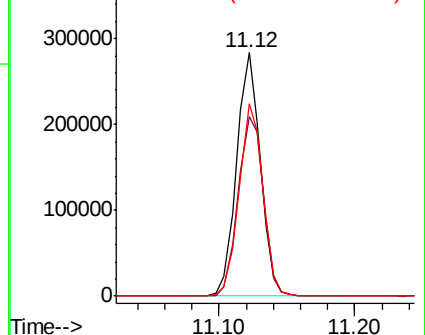
176 78.9 0.0 151.4

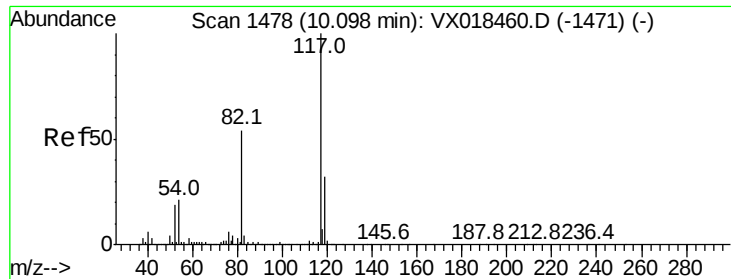


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

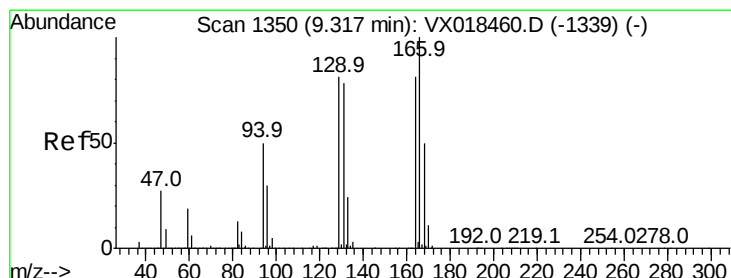
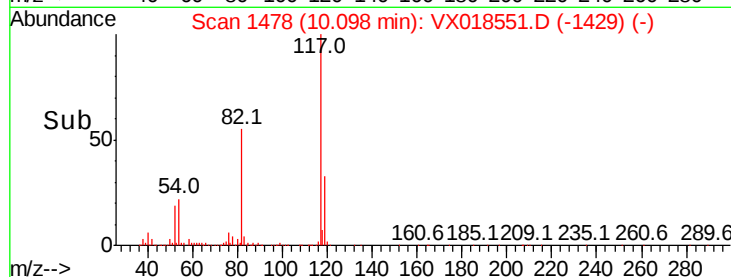
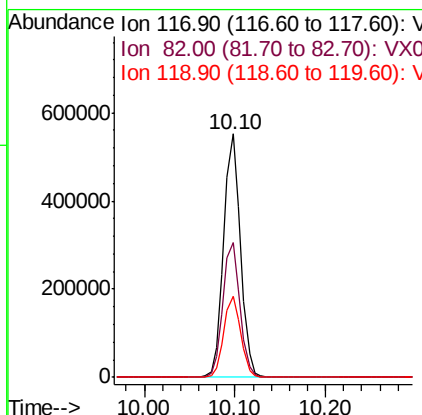
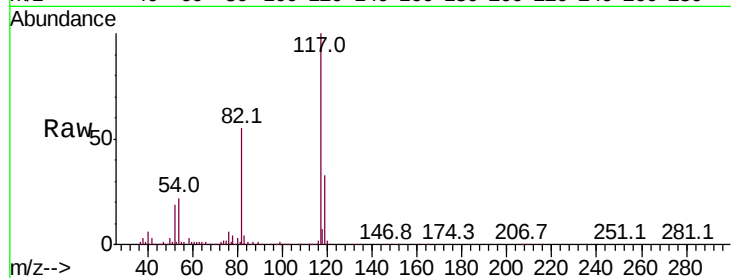




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

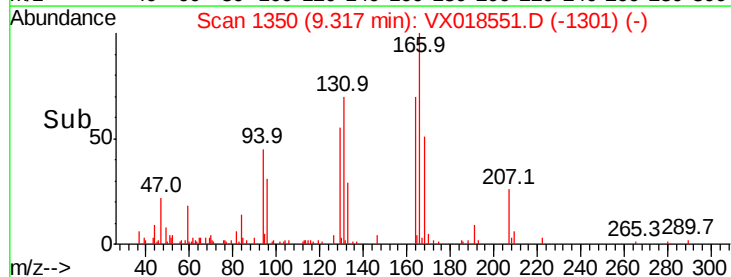
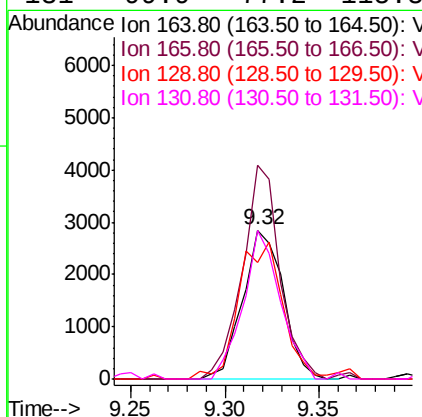
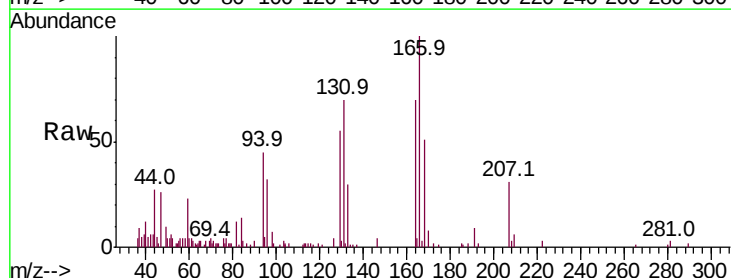
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917

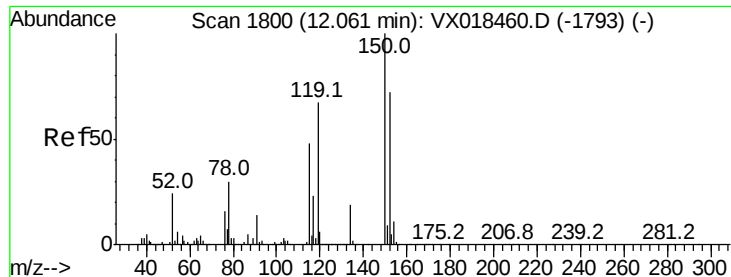
Tot Ion:117 Resp: 718246
Ion Ratio Lower Upper
117 100
82 55.2 43.3 64.9
119 33.2 25.9 38.9



#64
Tetrachloroethene
Concen: 0.751 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

Tgt Ion:164 Resp: 4245
Ion Ratio Lower Upper
164 100
166 143.6 99.3 148.9
129 78.4 80.7 121.1#
131 99.9 77.2 115.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018551.D

Acq: 23 Sep 2020 21:45

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917

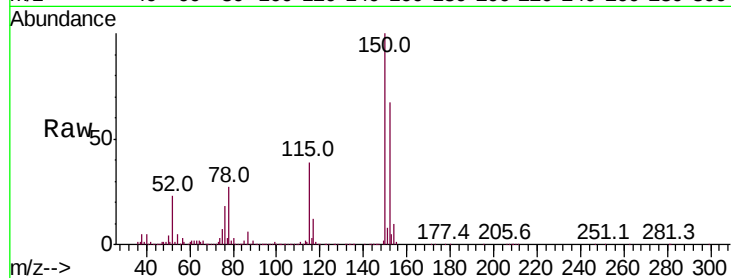
Tot Ion:152 Resp: 370448

Ion Ratio Lower Upper

152 100

115 57.4 41.8 125.4

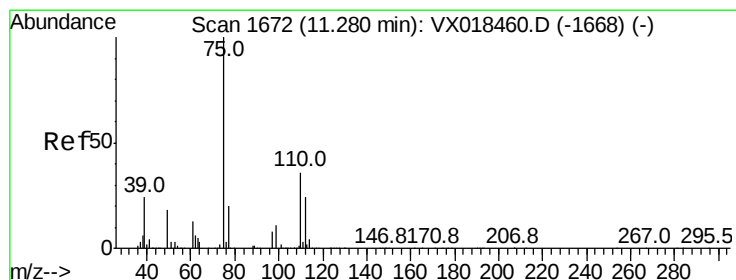
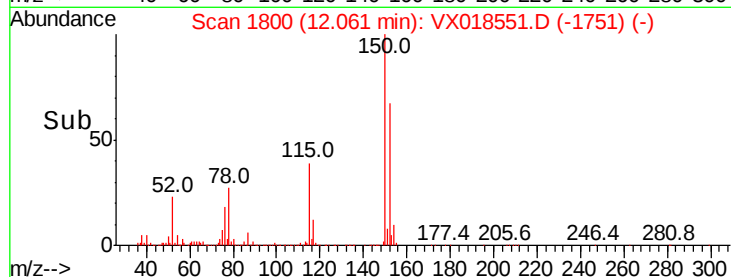
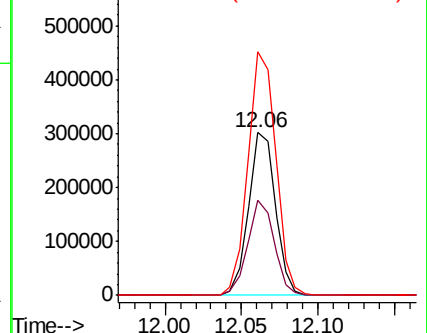
150 154.8 0.0 342.4



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



#76

1,2,3-Trichloropropane

Concen: 23.325 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018551.D

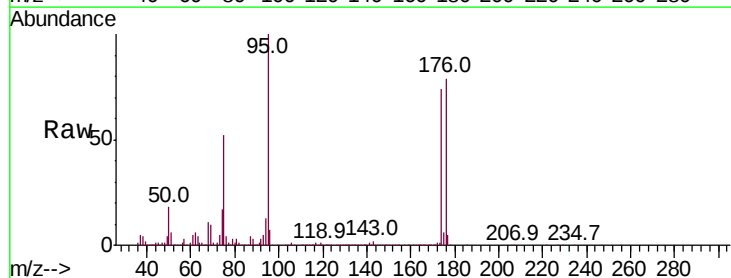
Acq: 23 Sep 2020 21:45

Tgt Ion: 75 Resp: 181581

Ion Ratio Lower Upper

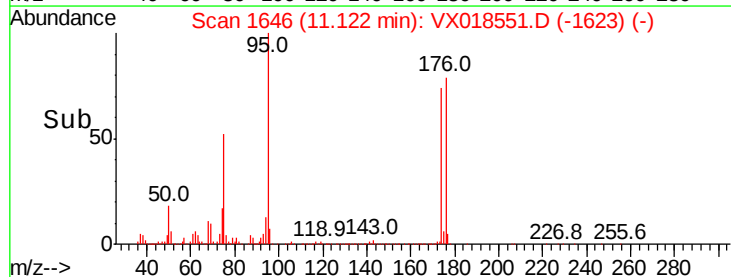
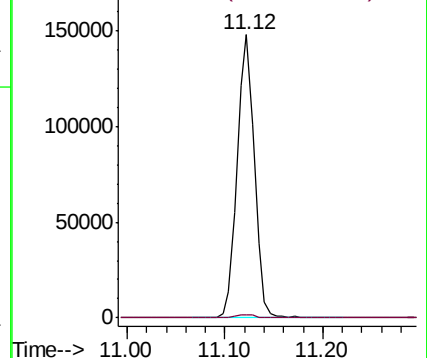
75 100

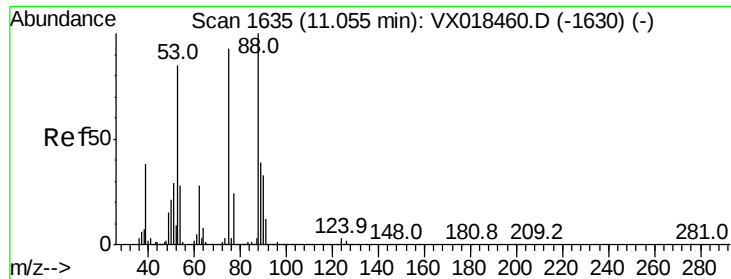
77 1.4 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

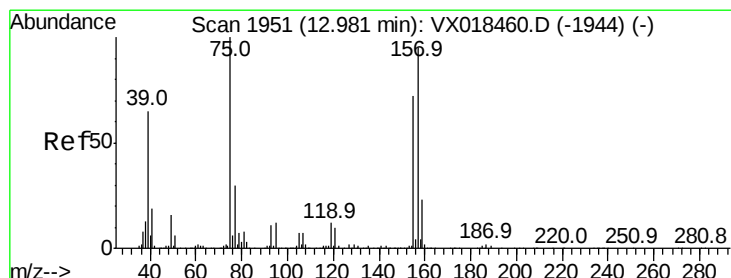
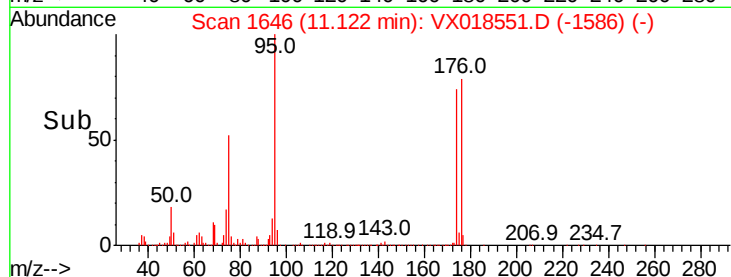
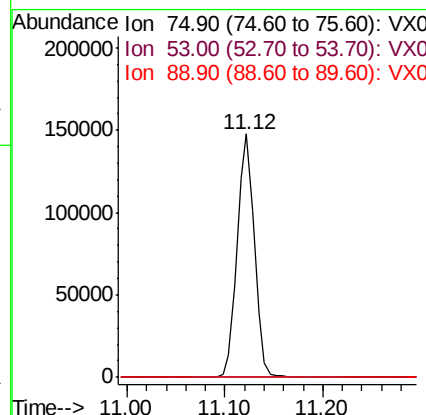
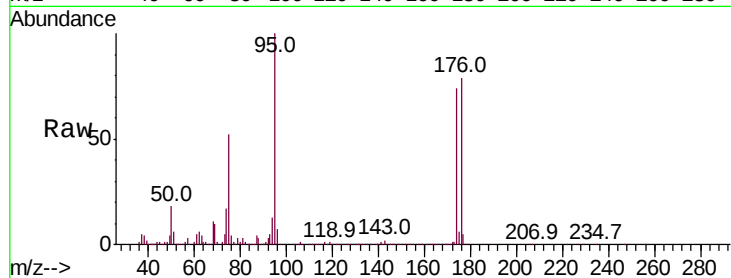




#81
trans-1,4-Dichloro-2-butene
Concen: 59.771 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917

Tot Ion: 75 Resp: 181581
Ion Ratio Lower Upper
75 100
53 0.5 74.6 111.8#
89 0.0 36.2 54.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.216 ug/l
RT: 12.99 min Scan# 1953
Delta R.T. 0.01 min
Lab File: VX018551.D
Acq: 23 Sep 2020 21:45

Tgt Ion: 75 Resp: 430
Ion Ratio Lower Upper
75 100
155 0.0 38.8 116.4#
157 31.6 51.1 153.3#

