

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091120\
 Data File : VX018365.D
 Acq On : 11 Sep 2020 16:59
 Operator : JC/SP
 Sample : L3984-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

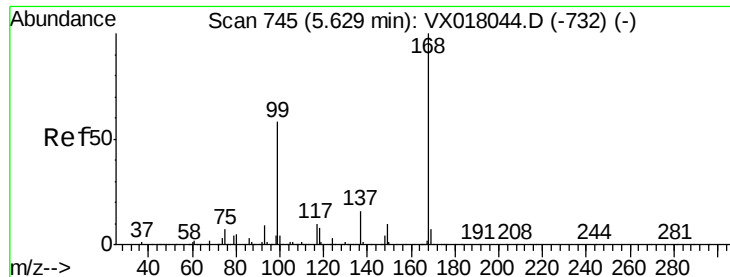
Quant Time: Sep 12 05:59:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	431160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	680036	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	649626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	306420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	310109	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	5.46	113	239982	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	8.70	98	837160	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.12	95	306623	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1961	0.354	ug/l	97
5) Bromomethane	1.64	94	770	0.290	ug/l #	3
6) Chloroethane	1.69	64	853	0.288	ug/l #	41
8) Diethyl Ether	2.20	74	563	0.221	ug/l	88
10) Methyl Iodide	2.50	142	676	5.426	ug/l #	73
11) Tert butyl alcohol	3.04	59	268	0.230	ug/l #	10
13) Acrolein	2.28	56	373	0.773	ug/l #	82
16) Acetone	2.42	43	11692	5.013	ug/l #	77
20) Methylene Chloride	2.83	84	2923	Below Cal	#	84
25) 2-Butanone	4.67	43	1048	0.273	ug/l #	51
29) Tetrahydrofuran	5.09	42	526	0.216	ug/l #	66
31) Cyclohexane	5.63	56	9875	1.378	ug/l #	15
36) 1,1-Dichloropropene	5.63	75	32963	5.255	ug/l #	54
38) Carbon Tetrachloride	5.63	117	45551	6.444	ug/l #	18
49) 1,4-Dioxane	7.70	88	71	0.669	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	159679	23.426	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	159679	63.269	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018365.D

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Instrument :

MSVOA_X

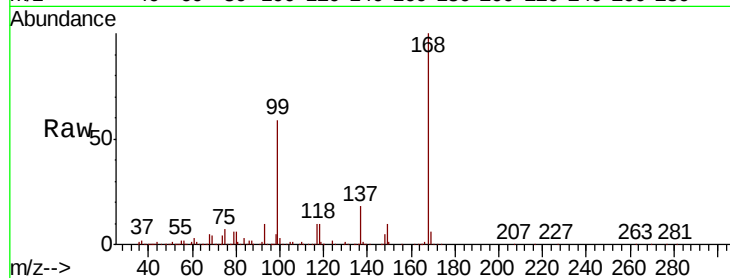
ClientSampleId :

Tot Ion:168 Resp: 431160

Ion Ratio Lower Upper

168 100

99 59.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

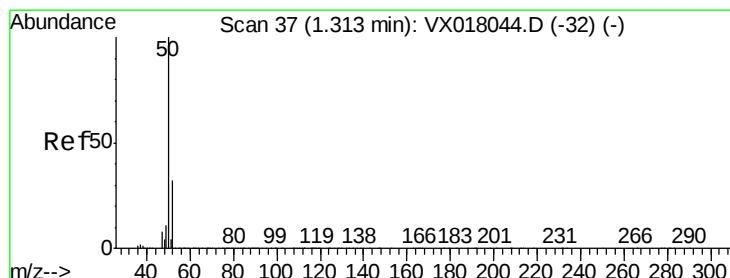
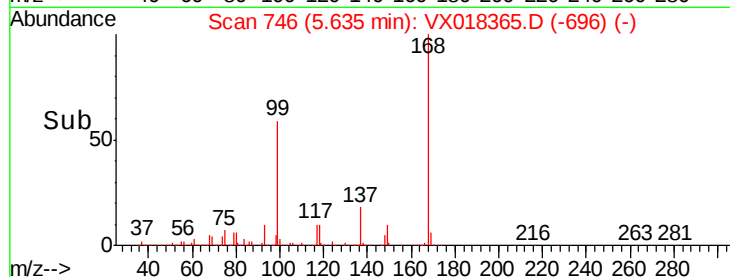
100000

50000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.354 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018365.D

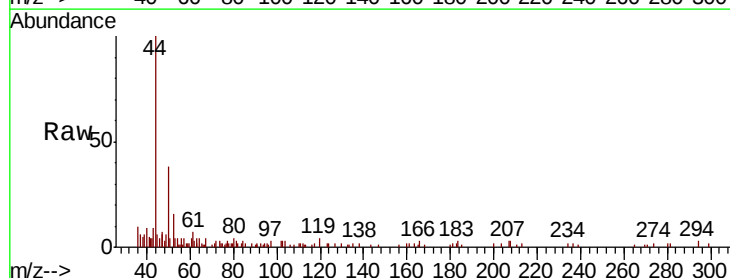
Acq: 11 Sep 2020 16:59

Tgt Ion: 50 Resp: 1961

Ion Ratio Lower Upper

50 100

52 33.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

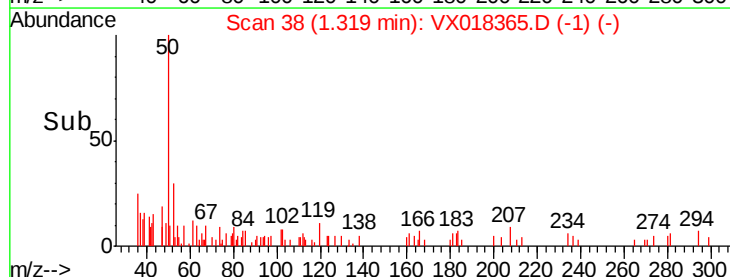
1000

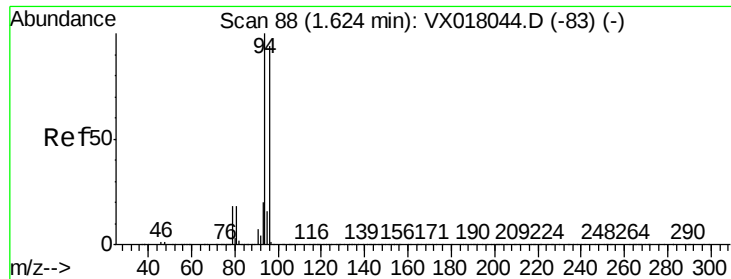
500

0

1.28 1.30 1.32 1.34

Time-->





#5

Bromomethane

Concen: 0.290 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_X

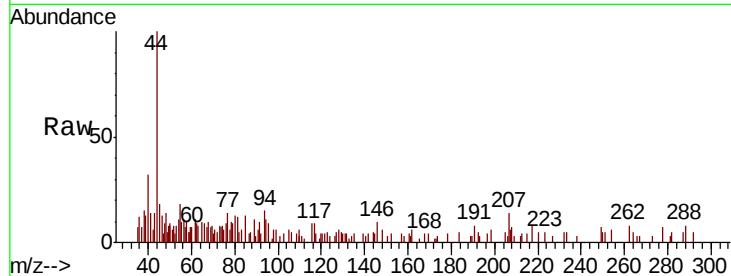
ClientSampled :

Tot Ion: 94 Resp: 770

Ion Ratio Lower Upper

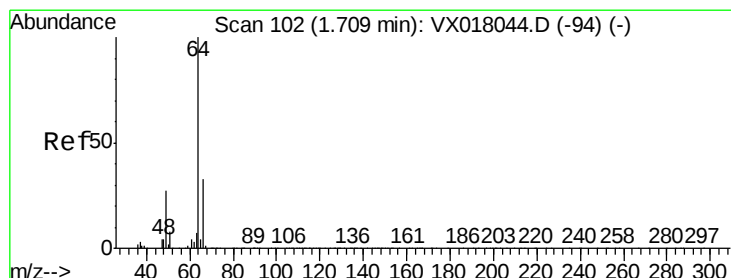
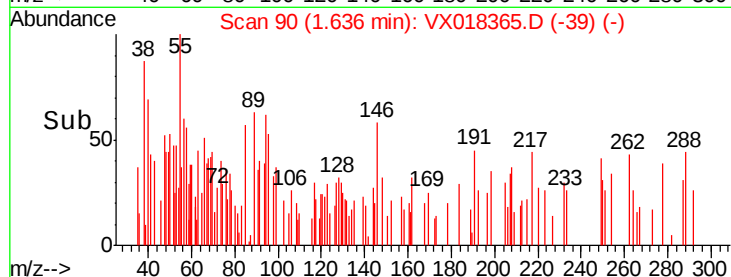
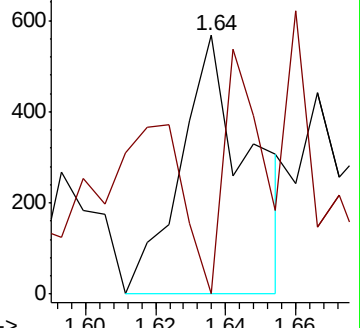
94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.288 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX018365.D

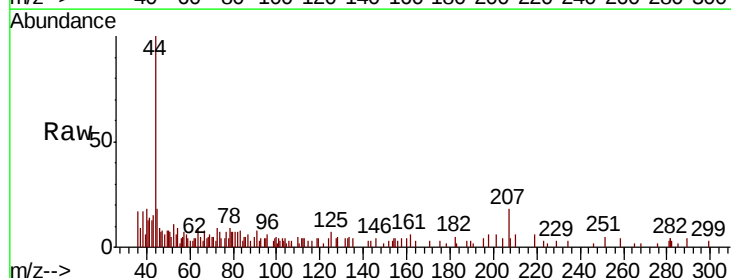
Acq: 11 Sep 2020 16:59

Tgt Ion: 64 Resp: 853

Ion Ratio Lower Upper

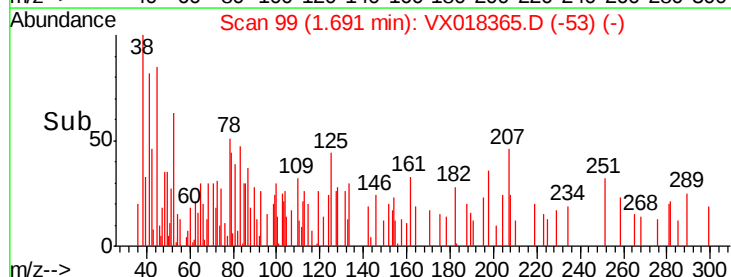
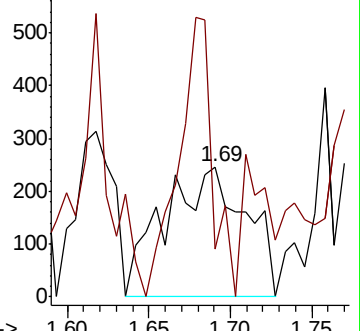
64 100

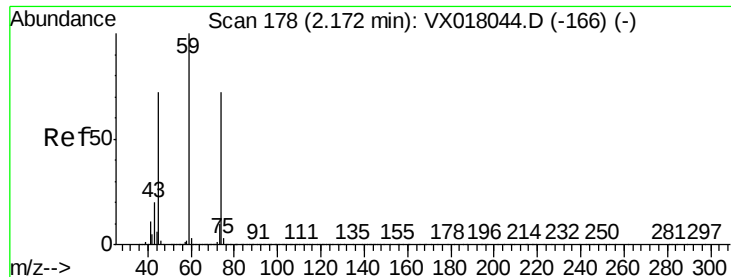
66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

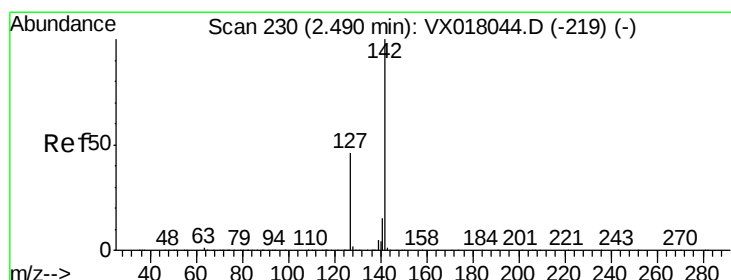
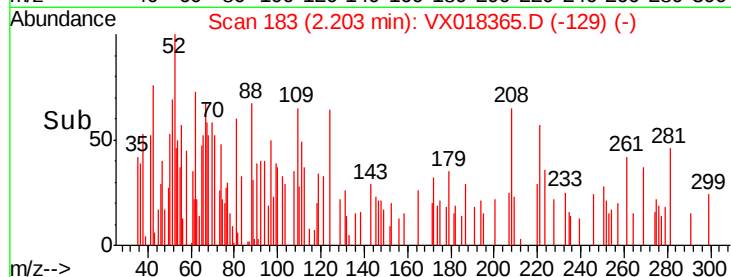
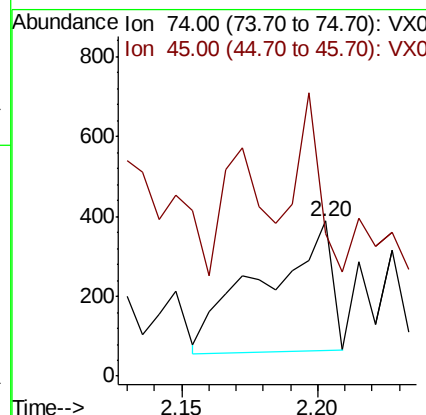
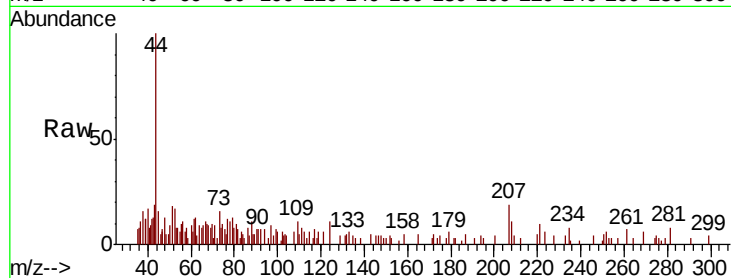




#8
Diethyl Ether
Concen: 0.221 ug/l
RT: 2.20 min Scan# 183
Delta R.T. 0.03 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

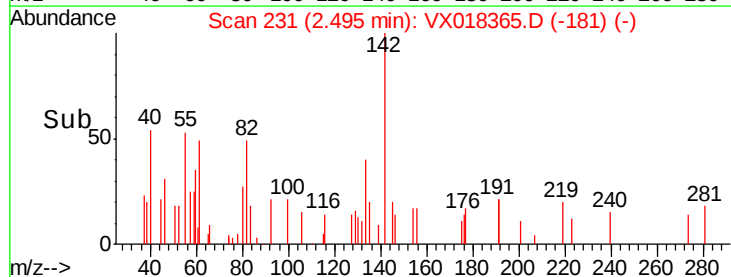
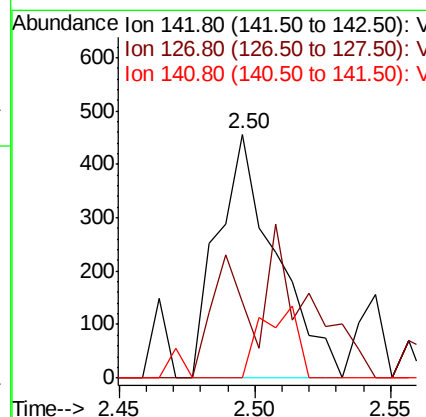
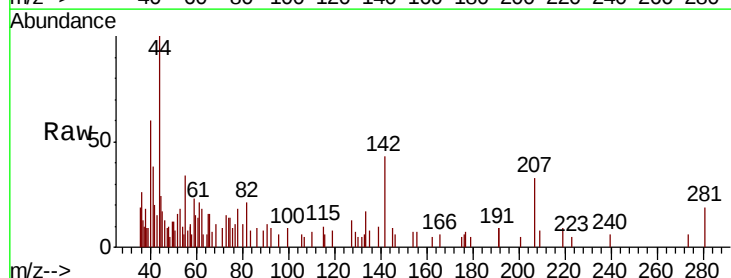
Instrument :
MSVOA_X
ClientSampled :

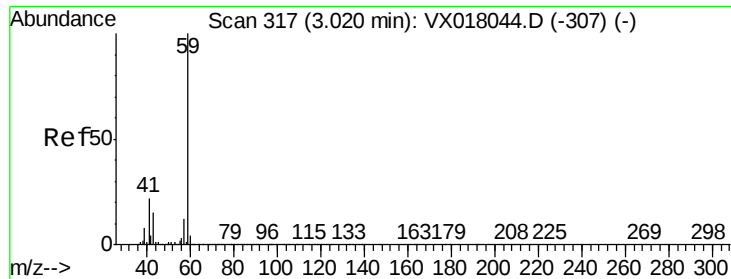
Tot Ion: 74 Resp: 563
Ion Ratio Lower Upper
74 100
45 89.3 50.7 152.3



#10
Methyl Iodide
Concen: 5.426 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

Tgt Ion:142 Resp: 676
Ion Ratio Lower Upper
142 100
127 29.7 37.0 55.6#
141 0.0 11.5 17.3#

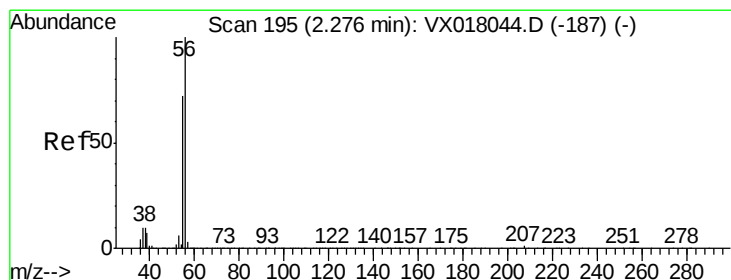
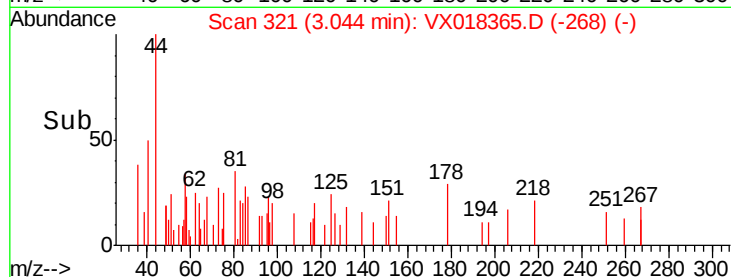
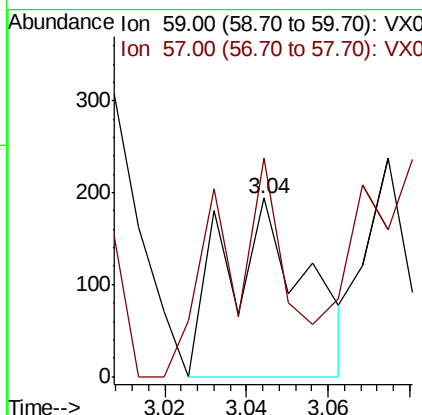
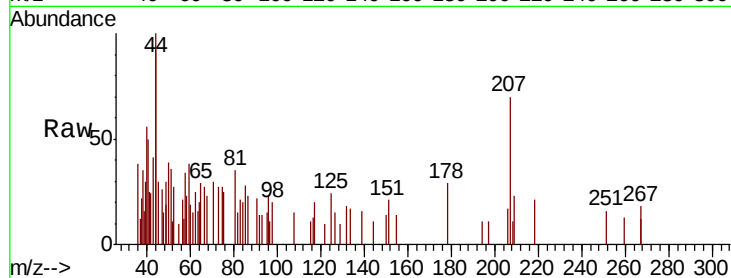




#11
Tert butyl alcohol
Concen: 0.230 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.02 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

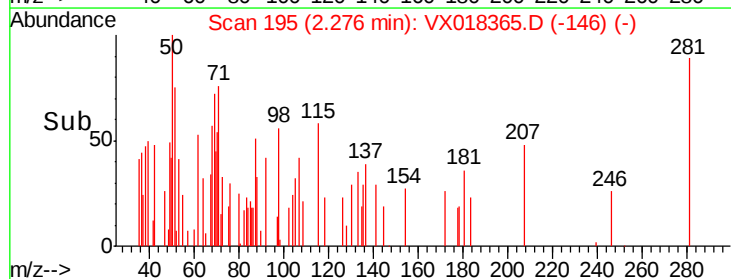
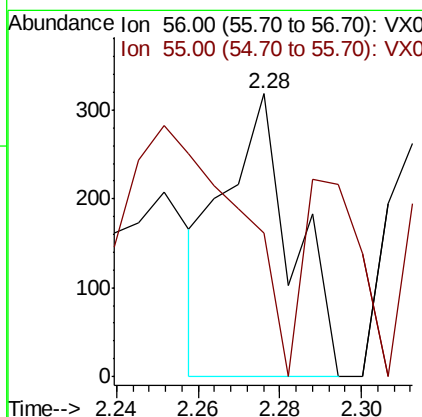
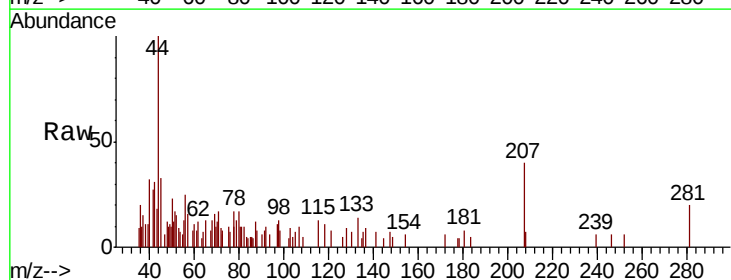
Instrument :
MSVOA_X
ClientSampled :

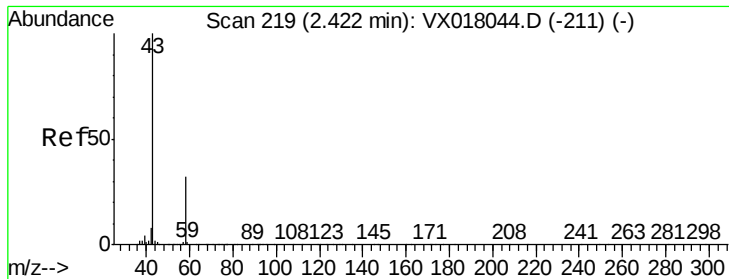
Tot Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 45.1 8.9 13.3#



#13
Acrolein
Concen: 0.773 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 56 Resp: 373
Ion Ratio Lower Upper
56 100
55 56.6 57.0 85.6#

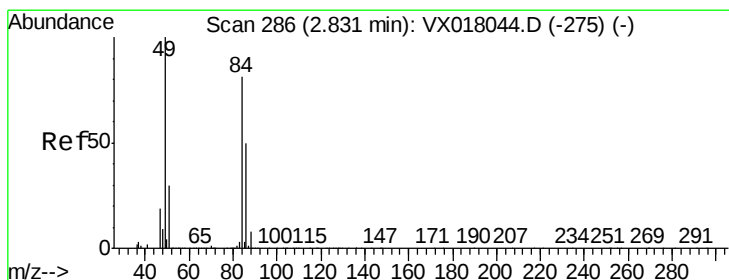
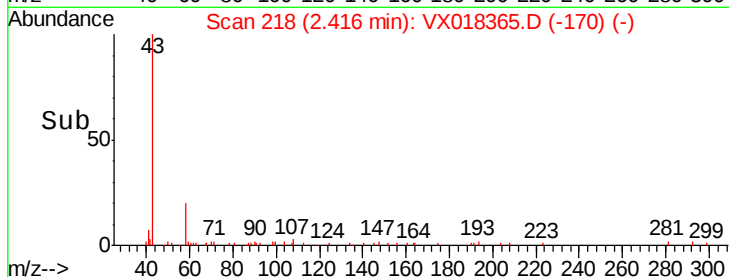
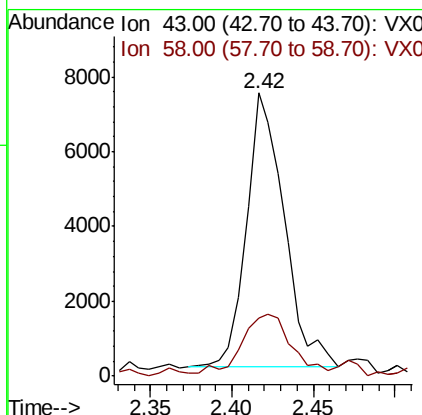
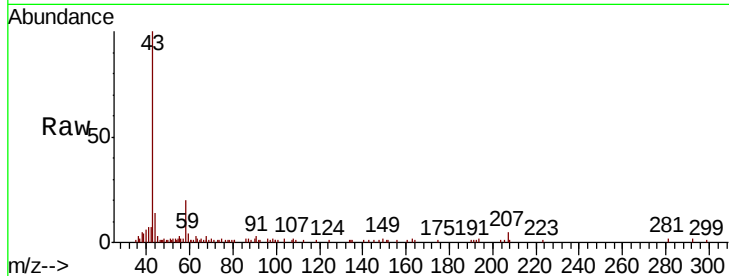




#16
Acetone
Concen: 5.013 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

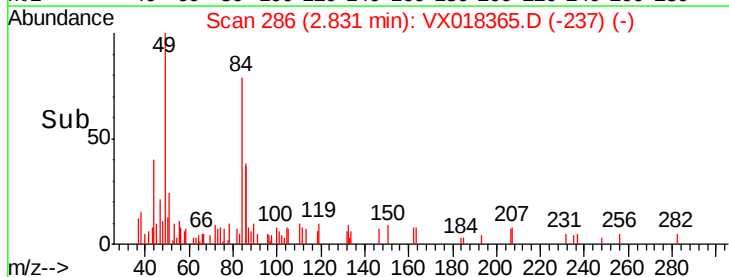
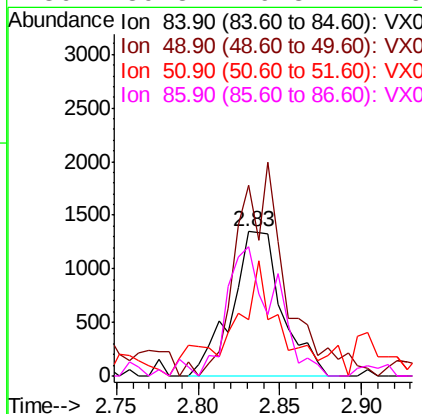
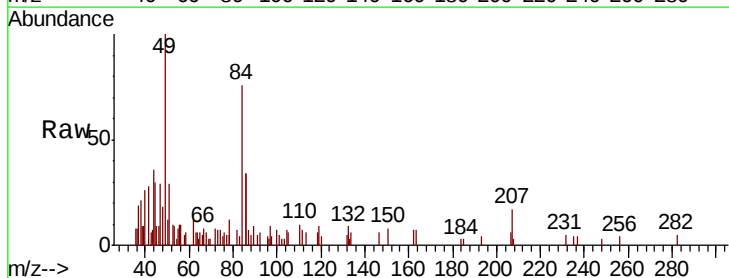
Instrument :
MSVOA_X
ClientSampleId :

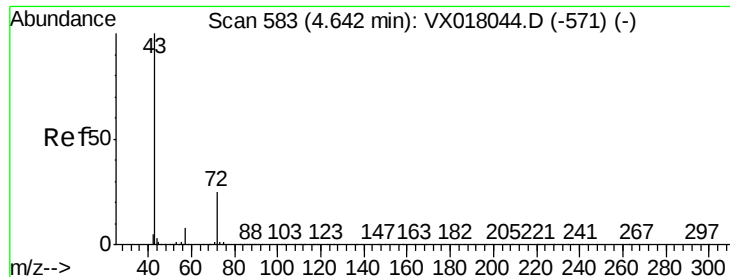
Tot Ion: 43 Resp: 11692
Ion Ratio Lower Upper
43 100
58 19.0 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 84 Resp: 2923
Ion Ratio Lower Upper
84 100
49 122.5 98.6 148.0
51 18.0 29.6 44.4#
86 89.8 49.8 74.6#





#25

2-Butanone

Concen: 0.273 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.02 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

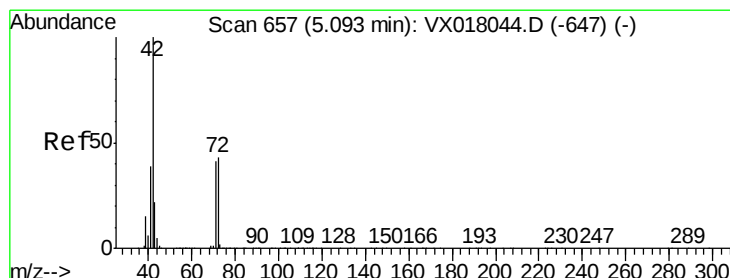
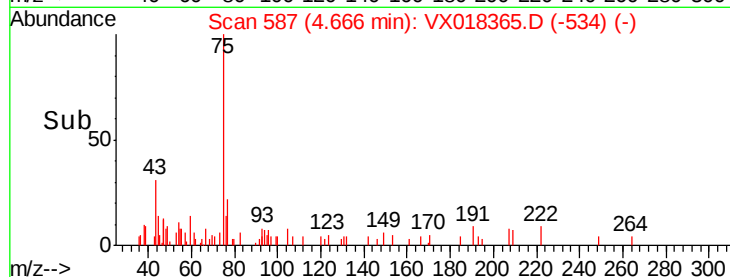
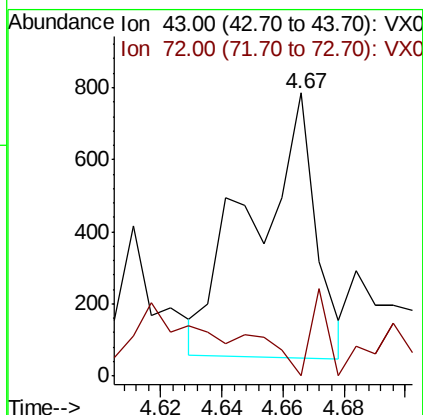
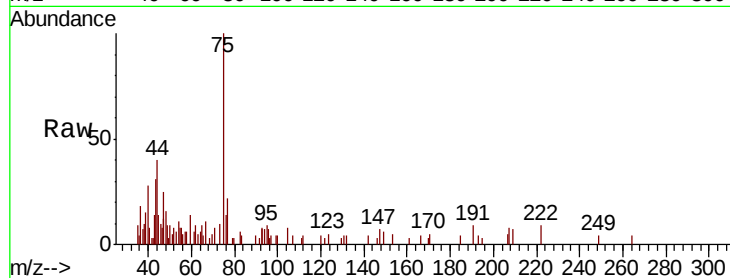
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1048

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

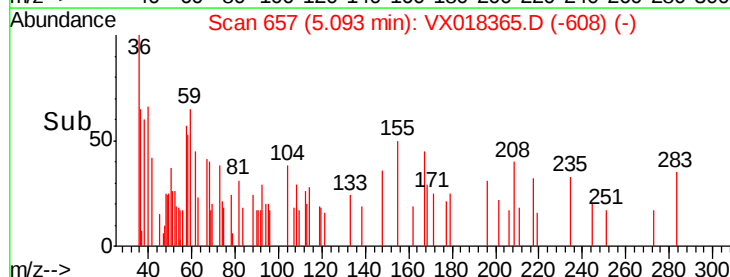
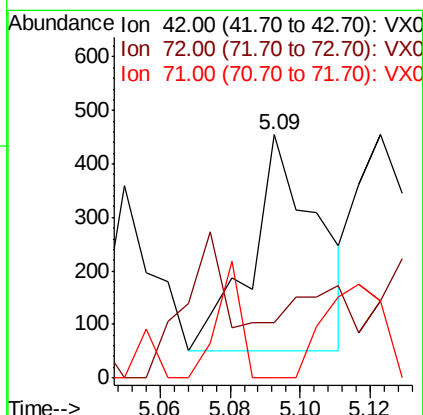
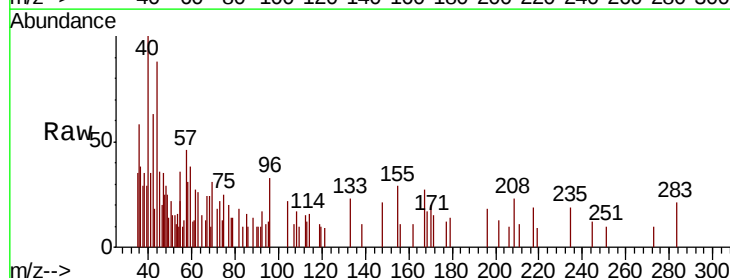
Tgt Ion: 42 Resp: 526

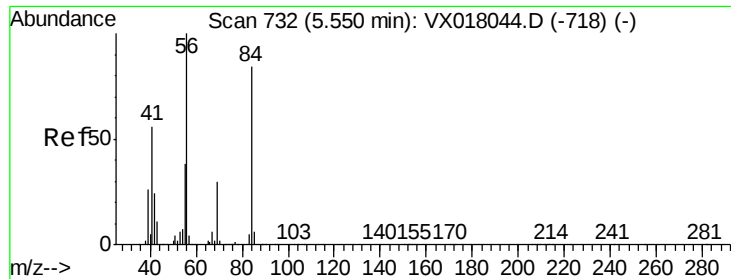
Ion Ratio Lower Upper

42 100

72 39.0 34.2 51.4

71 0.0 32.1 48.1#

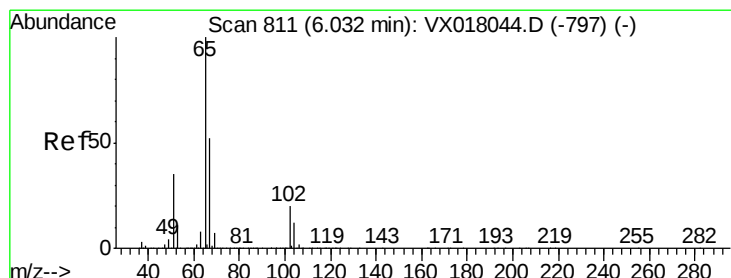
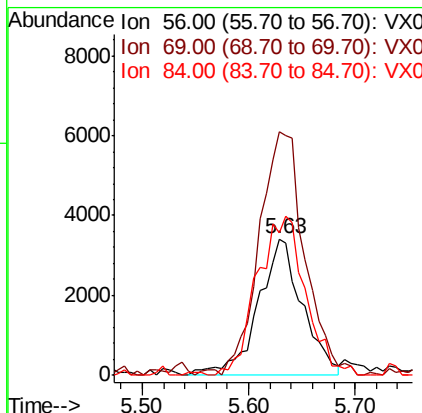
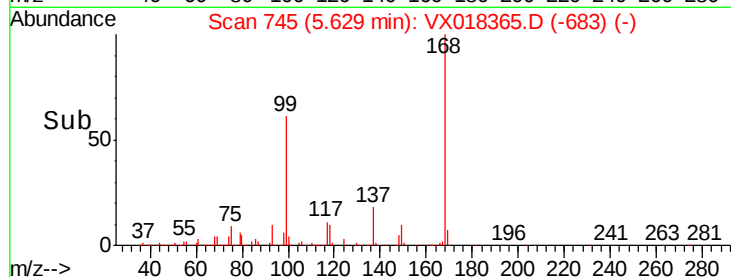
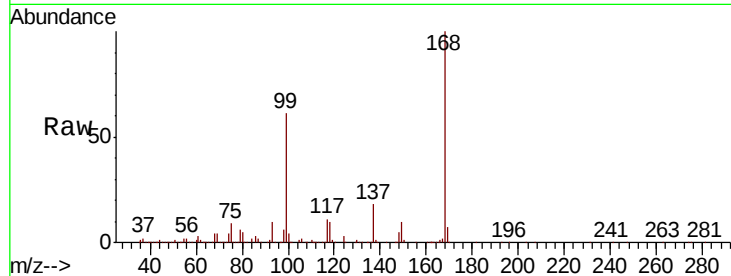




#31
Cyclohexane
Concen: 1.378 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

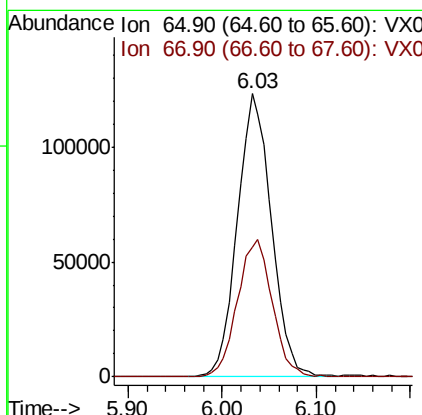
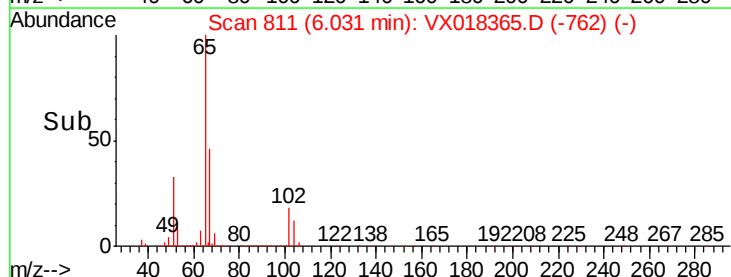
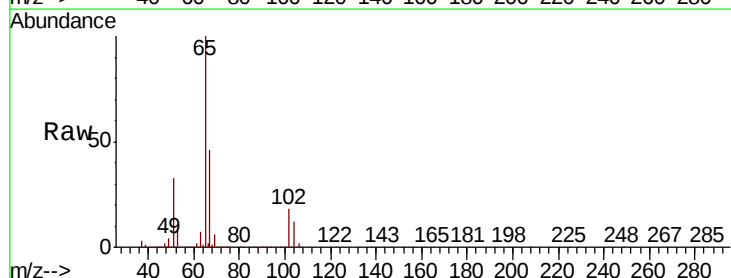
Instrument :
MSVOA_X
ClientSampled :

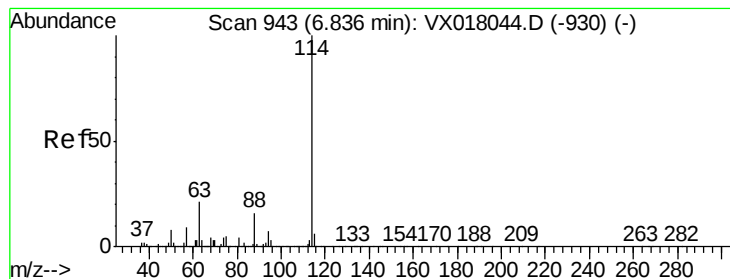
Tot Ion: 56 Resp: 9875
Ion Ratio Lower Upper
56 100
69 175.1 23.9 35.9#
84 101.6 67.0 100.4#



#33
1,2-Dichloroethane-d4
Concen: 51.809 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 65 Resp: 310109
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

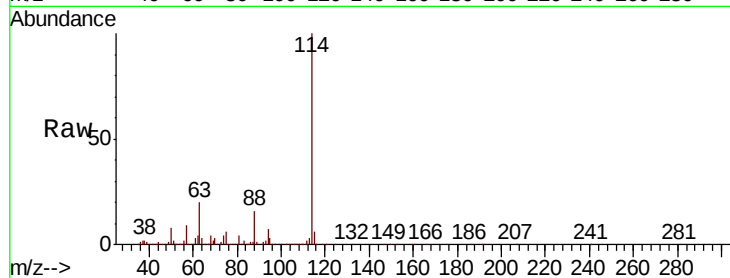
Tot Ion:114 Resp: 680036

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

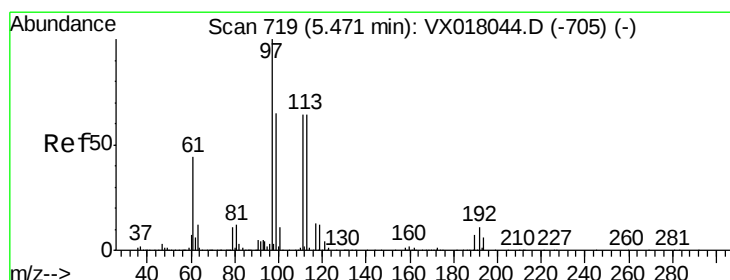
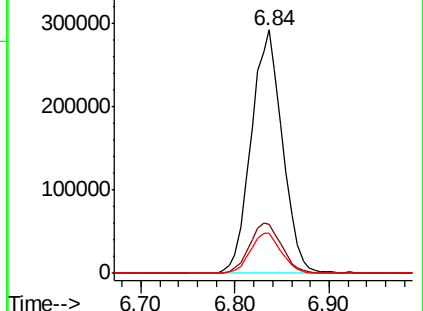
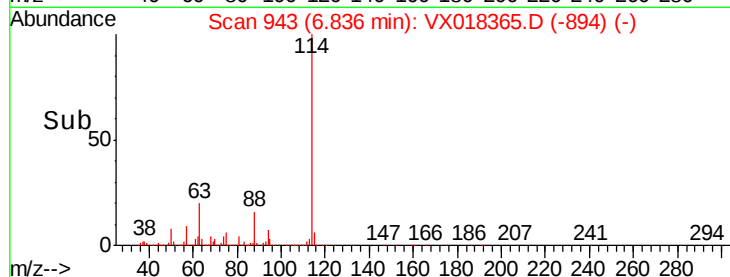
88 16.4 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.817 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

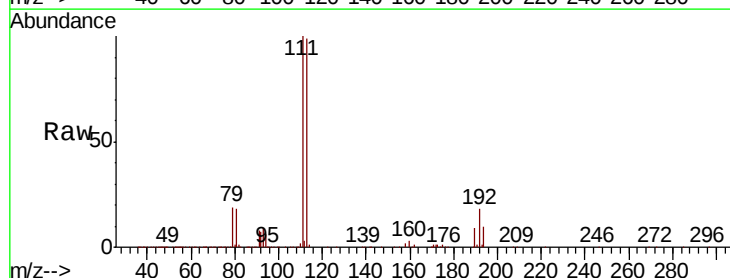
Tgt Ion:113 Resp: 239982

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

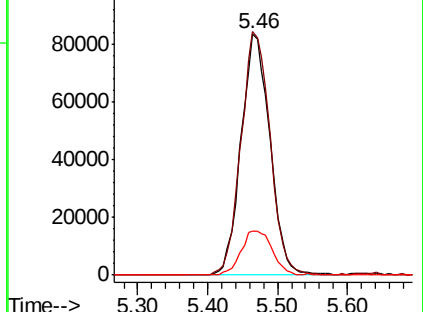
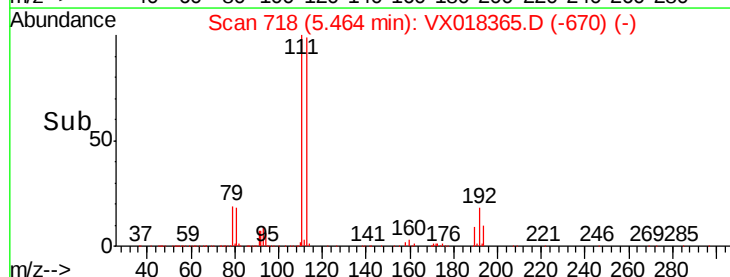
192 19.8 15.8 23.8

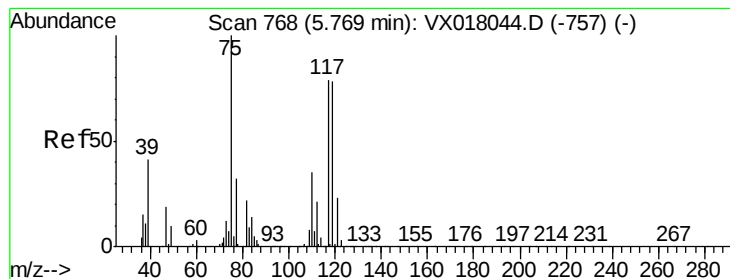


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.255 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

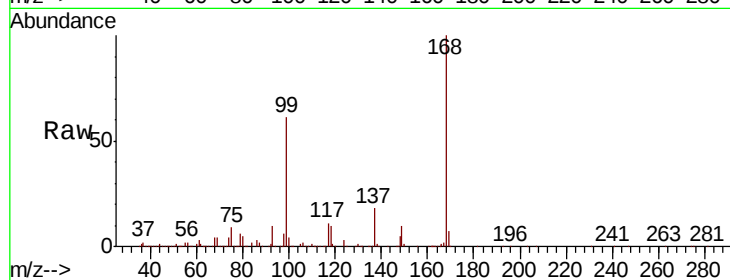
Tot Ion: 75 Resp: 32963

Ion Ratio Lower Upper

75 100

110 12.7 18.0 54.0#

77 0.8 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX018365.D (-719) (-)

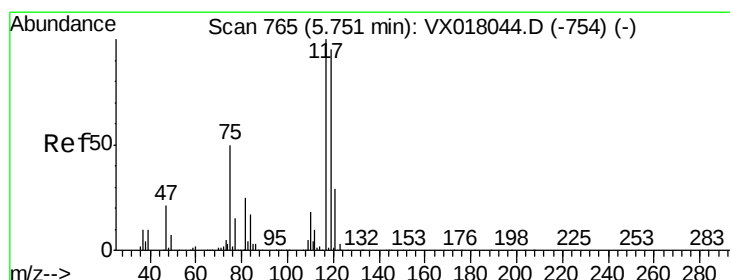
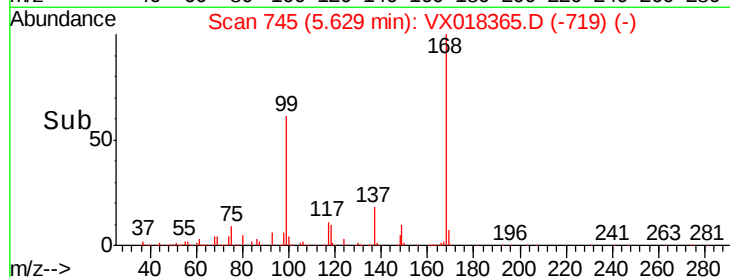
5.63

Ion 109.90 (109.60 to 110.60): VX018365.D (-719) (-)

5.63

Ion 76.90 (76.60 to 77.60): VX018365.D (-719) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.444 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

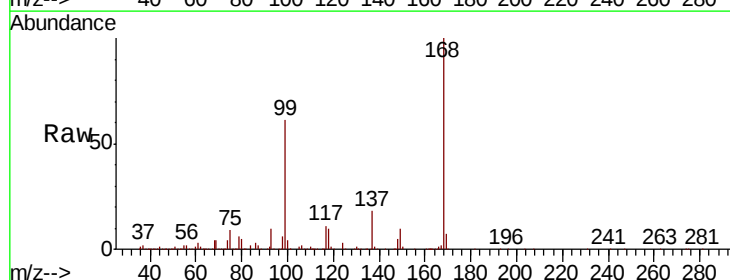
Tgt Ion: 117 Resp: 45551

Ion Ratio Lower Upper

117 100

119 7.1 75.8 113.6#

121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): VX018365.D (-716) (-)

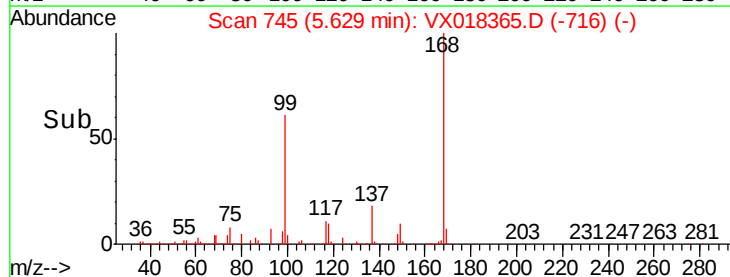
5.63

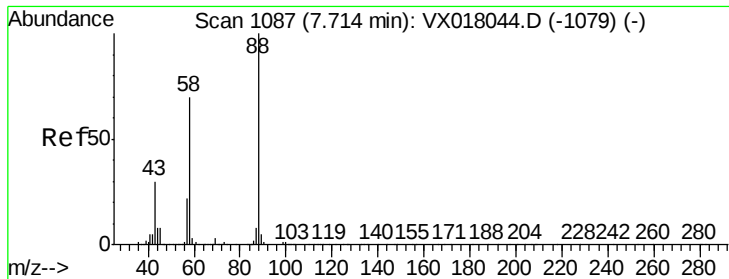
Ion 118.80 (118.50 to 119.50): VX018365.D (-716) (-)

5.63

Ion 120.80 (120.50 to 121.50): VX018365.D (-716) (-)

Time-->

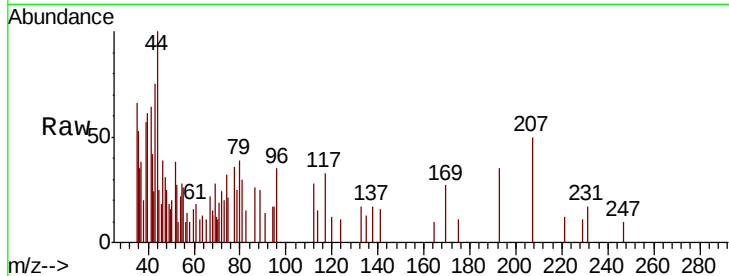




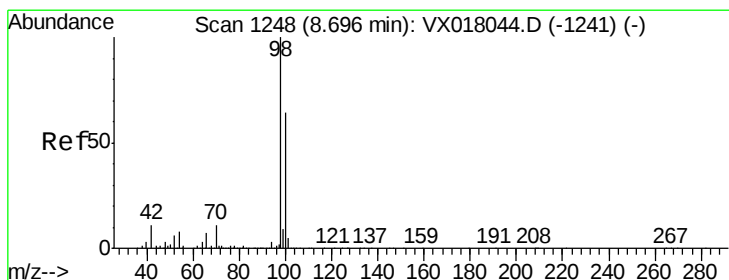
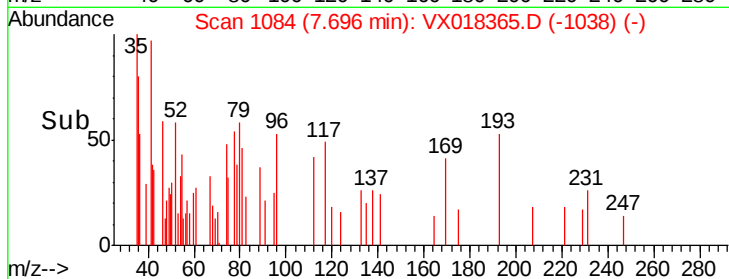
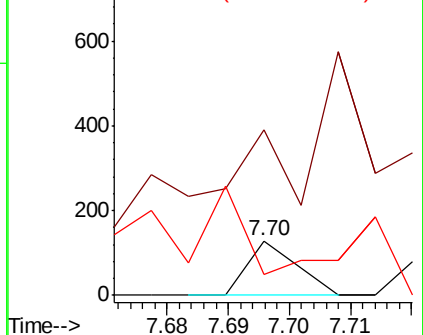
#49
1,4-Dioxane
Concen: 0.669 ug/l
RT: 7.70 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 587.3 27.4 41.0#
58 138.0 56.4 84.6#

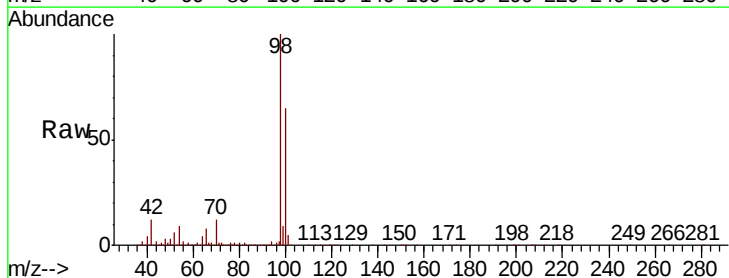


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

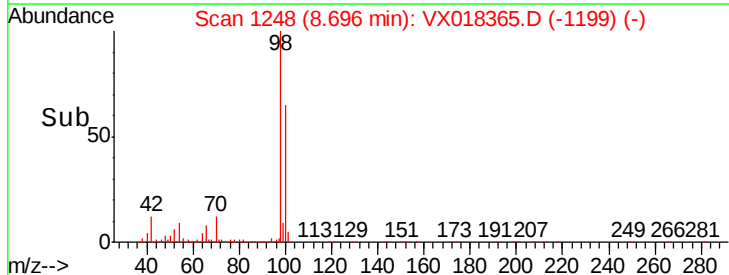
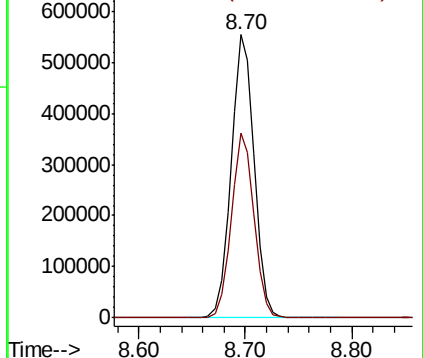


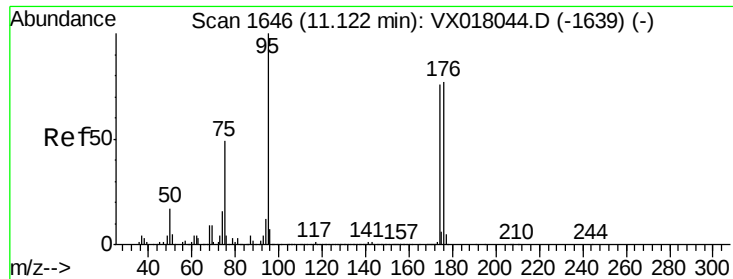
#50
Toluene-d8
Concen: 48.532 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018365.D
Acq: 11 Sep 2020 16:59

Tgt Ion: 98 Resp: 837160
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



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





#62

4-Bromofluorobenzene

Concen: 45.180 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

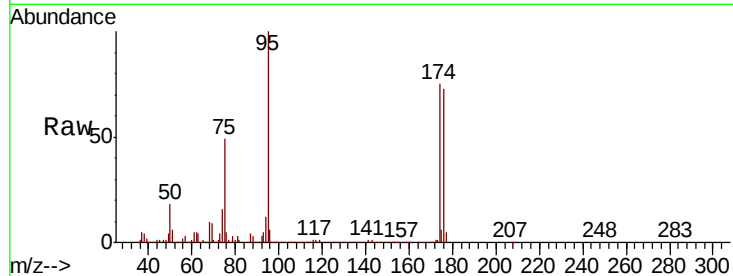
Tot Ion: 95 Resp: 306623

Ion Ratio Lower Upper

95 100

174 78.3 0.0 160.2

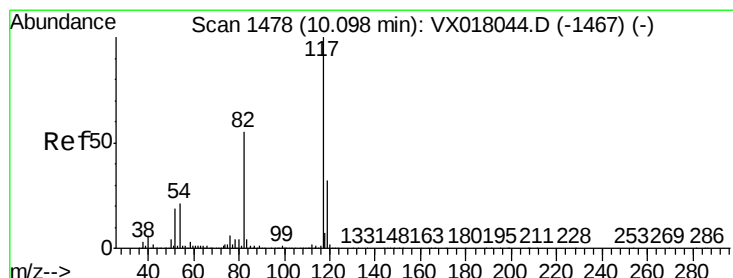
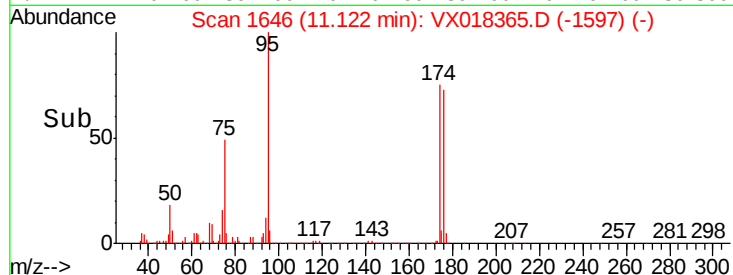
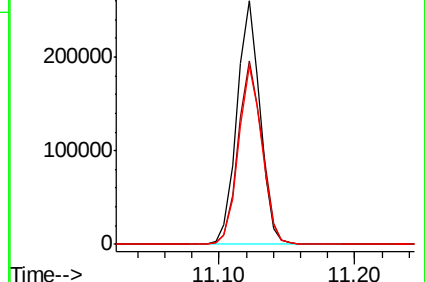
176 74.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

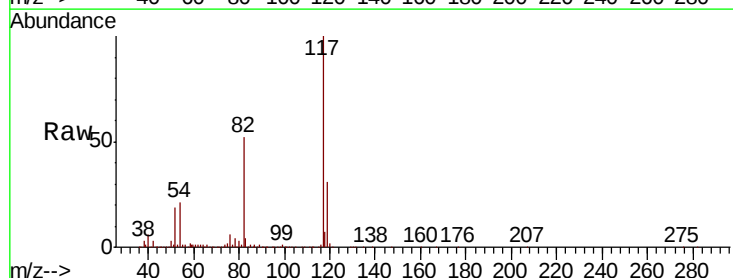
Tgt Ion: 117 Resp: 649626

Ion Ratio Lower Upper

117 100

82 52.2 44.2 66.2

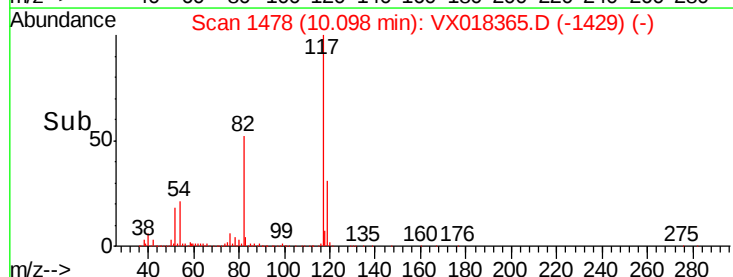
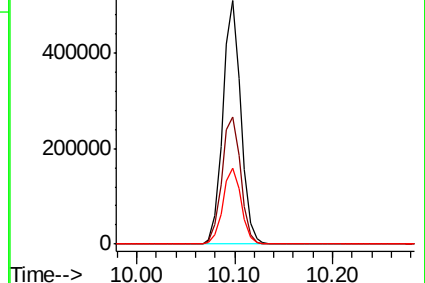
119 31.3 25.7 38.5

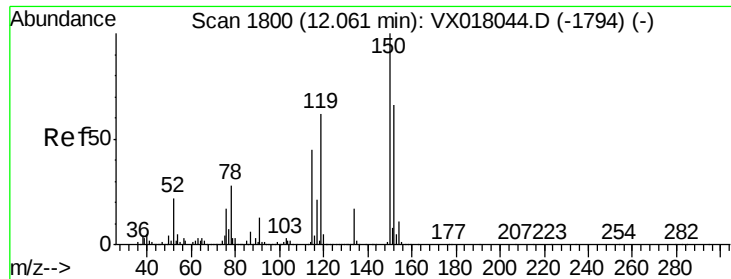


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

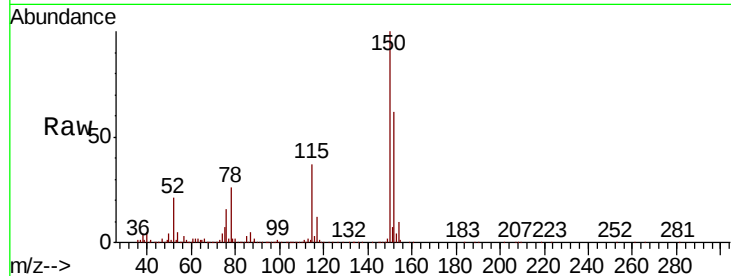
Tot Ion:152 Resp: 306420

Ion Ratio Lower Upper

152 100

115 59.9 41.5 124.5

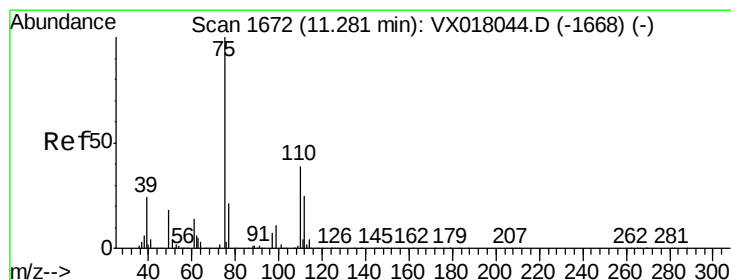
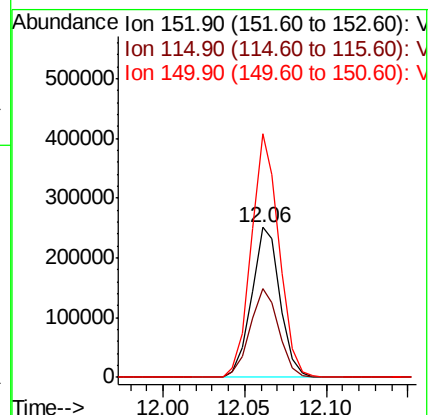
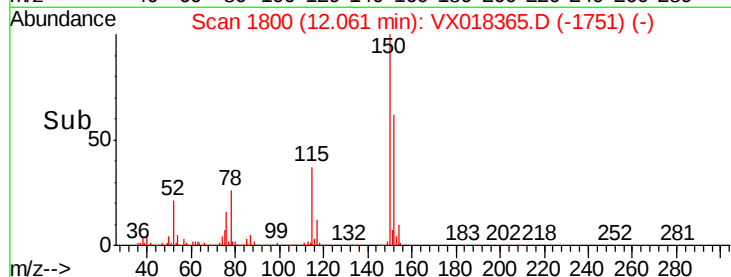
150 158.2 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.426 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018365.D

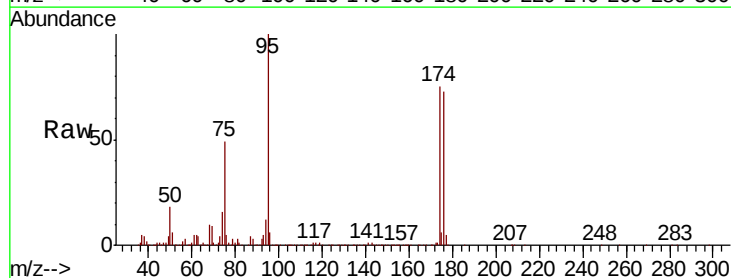
Acq: 11 Sep 2020 16:59

Tgt Ion: 75 Resp: 159679

Ion Ratio Lower Upper

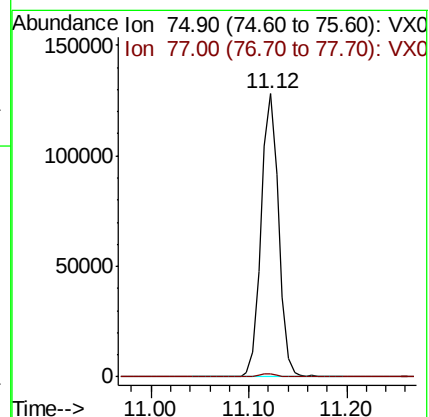
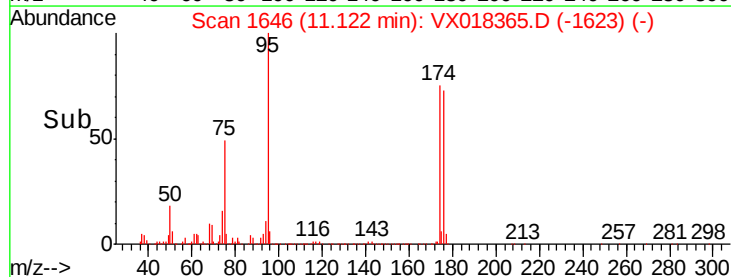
75 100

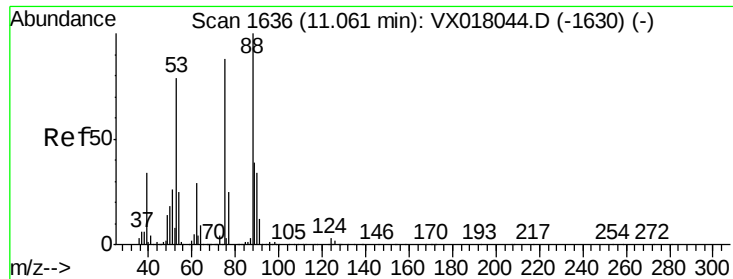
77 1.4 20.8 62.2#



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: 63.269 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018365.D

Acq: 11 Sep 2020 16:59

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 159679

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.1 36.6 54.8#

