

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079464.D
 Acq On : 30 Jul 2024 17:43
 Operator : RP/MD
 Sample : P3379-15
 Misc : 5.86G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU4-VSL-03-072324

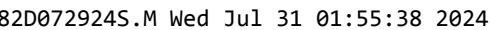
Quant Time: Jul 31 01:55:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

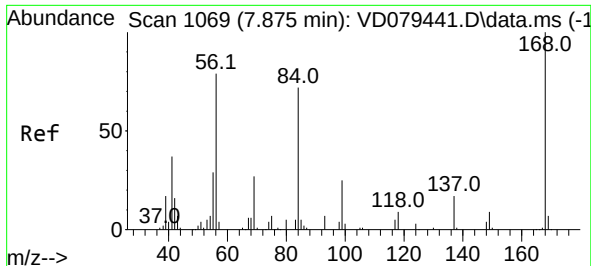
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	165342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	297454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	271116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97654	58.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.280%			
35) Dibromofluoromethane	7.804	113	116115	57.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.340%			
50) Toluene-d8	10.269	98	418985	53.590	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.180%			
62) 4-Bromofluorobenzene	12.569	95	105594	46.672	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.340%			
Target Compounds						
5) Bromomethane	2.693	94	187	Below Cal	#	1
11) Tert butyl alcohol	5.057	59	57	Below Cal	#	86
20) Methylene Chloride	4.804	84	29046	Below Cal		89
31) Cyclohexane	7.875	56	3373	1.209	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	11841	4.309	ug/l #	44
38) Carbon Tetrachloride	7.875	117	15109	5.230	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1539	1.424	ug/l #	1
73) Isopropylbenzene	12.569	105	66	3.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	51162	52.191	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	51162	99.541	ug/l #	19
83) tert-Butylbenzene	13.163	119	56	3.636	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.216	105	176	3.452	ug/l #	29
89) n-Butylbenzene	13.769	91	128	3.798	ug/l #	34

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

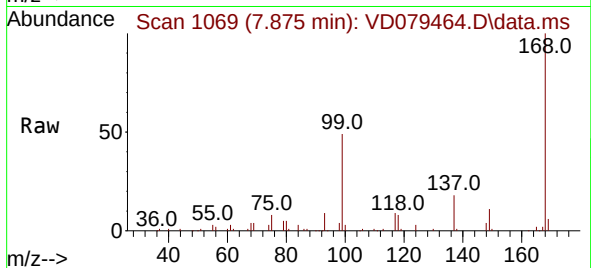
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



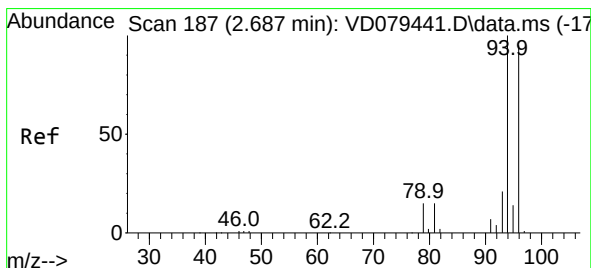
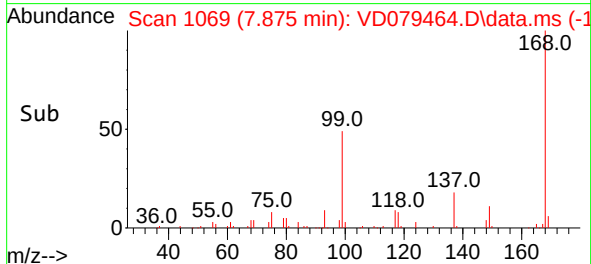
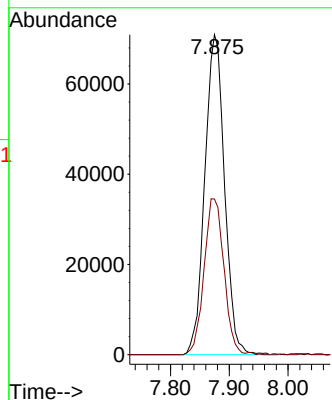


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-03-072324

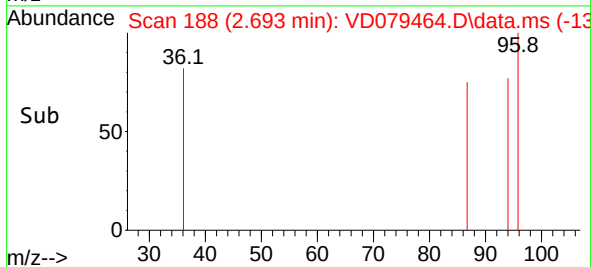
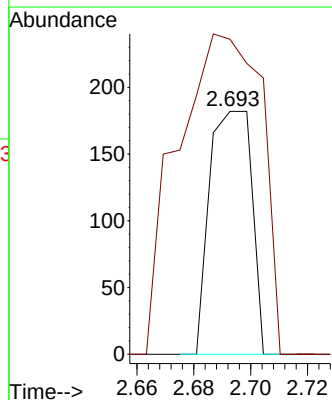
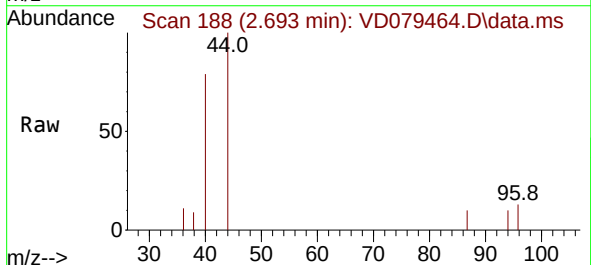


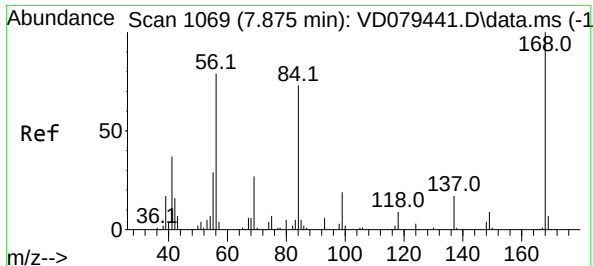
Tgt Ion:168 Resp: 165342
Ion Ratio Lower Upper
168 100
99 48.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 263.6 76.9 115.3#

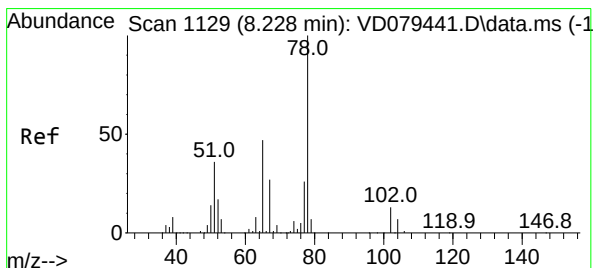
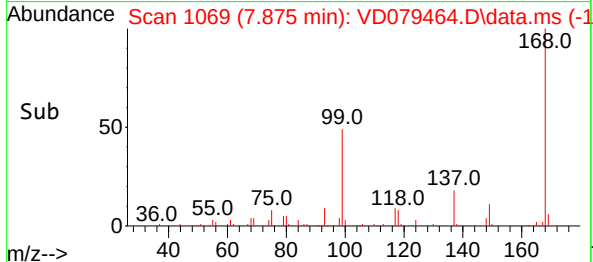
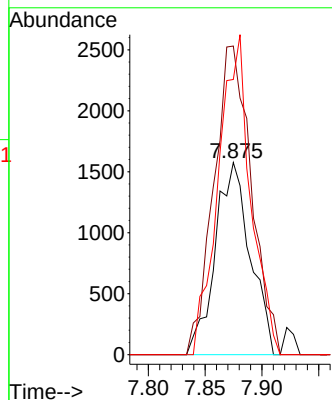
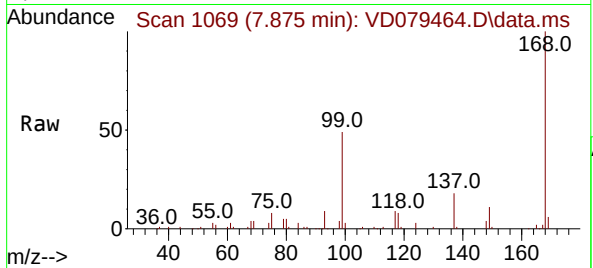




#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

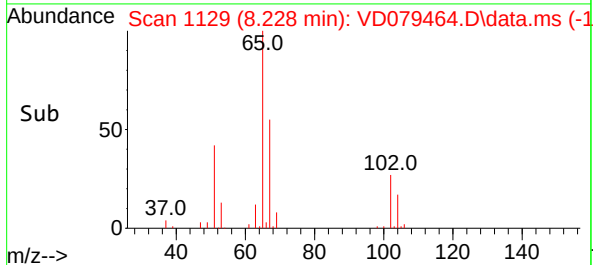
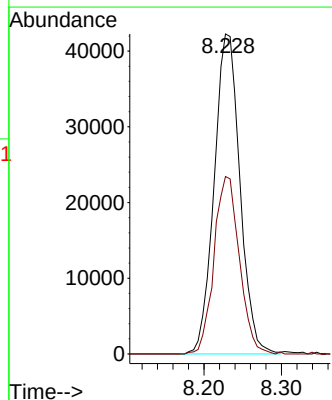
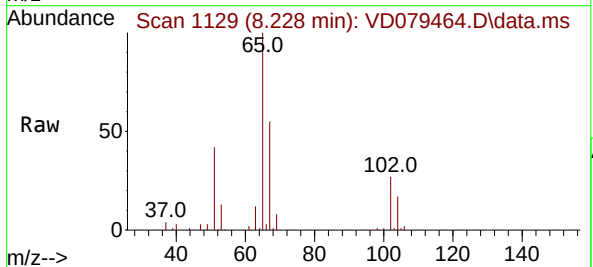
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-03-072324

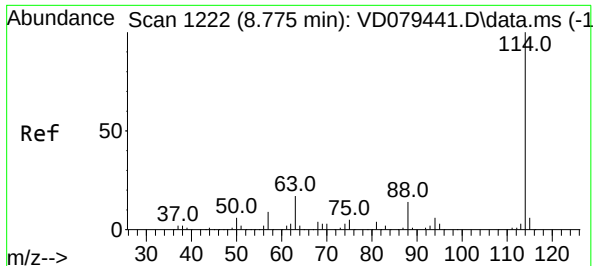
Tgt Ion: 56 Resp: 3373
Ion Ratio Lower Upper
56 100
69 160.6 28.0 42.0#
84 143.2 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 58.137 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

Tgt Ion: 65 Resp: 97654
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079464.D

Acq: 30 Jul 2024 17:43

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-03-072324

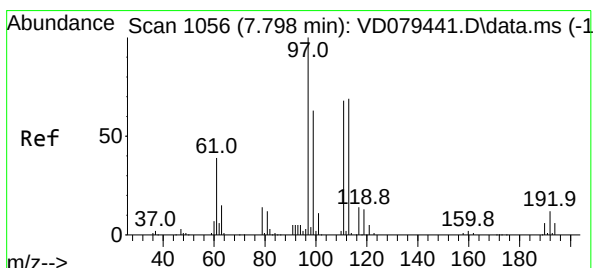
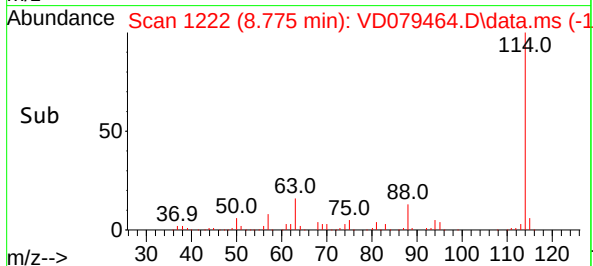
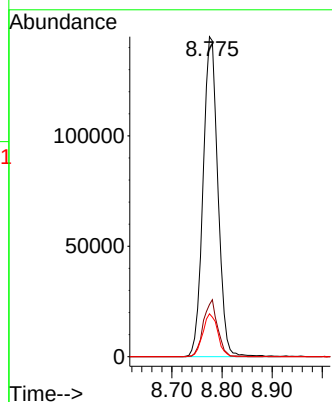
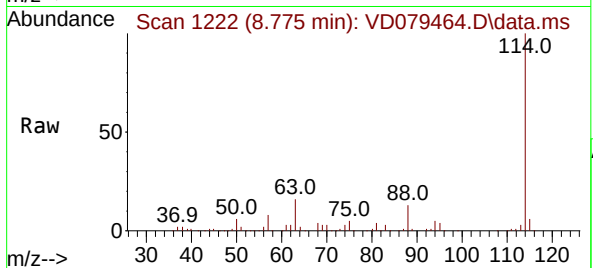
Tgt Ion:114 Resp: 297454

Ion Ratio Lower Upper

114 100

63 16.3 0.0 34.0

88 13.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.674 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079464.D

Acq: 30 Jul 2024 17:43

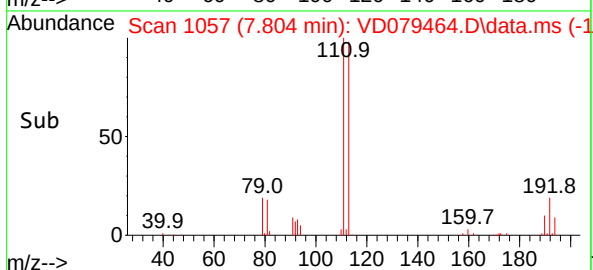
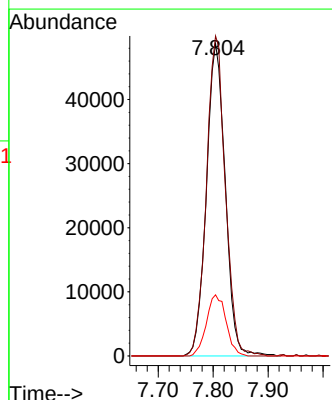
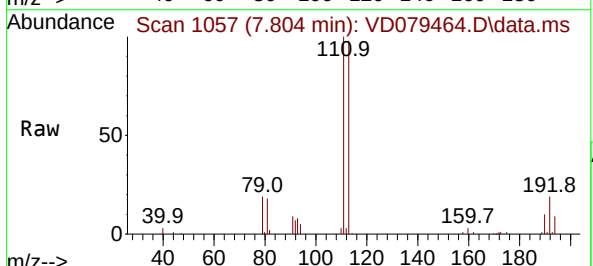
Tgt Ion:113 Resp: 116115

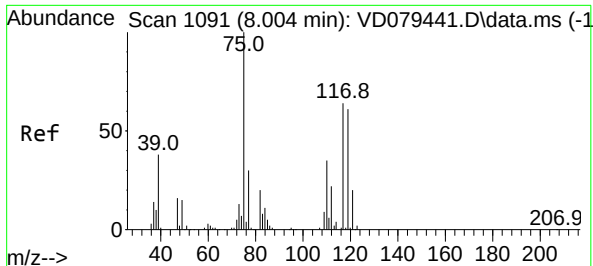
Ion Ratio Lower Upper

113 100

111 102.7 84.0 126.0

192 20.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD079464.D

Acq: 30 Jul 2024 17:43

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-03-072324

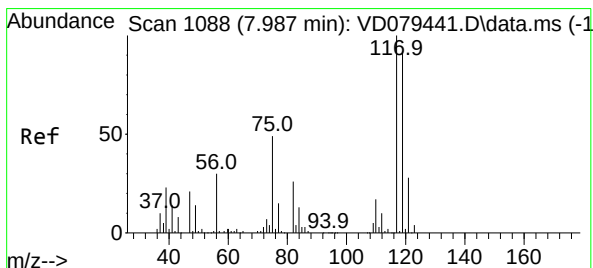
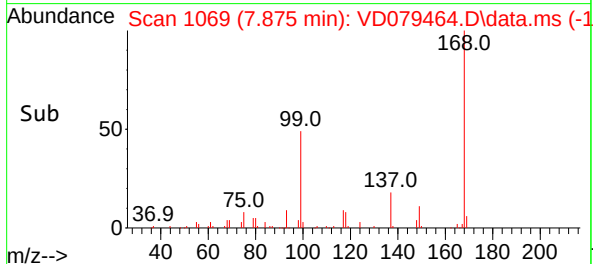
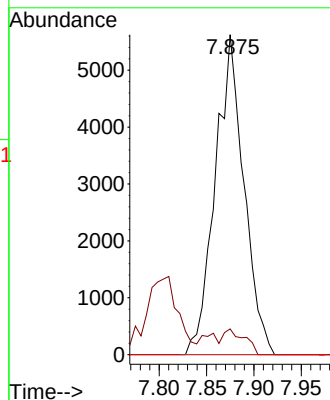
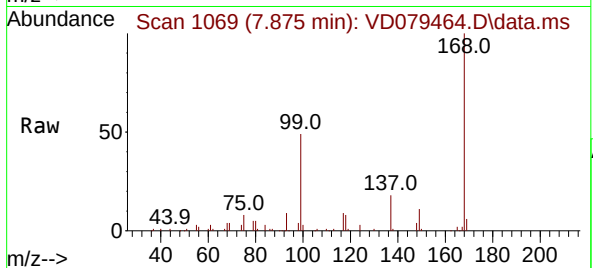
Tgt Ion: 75 Resp: 11841

Ion Ratio Lower Upper

75 100

110 5.9 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.230 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079464.D

Acq: 30 Jul 2024 17:43

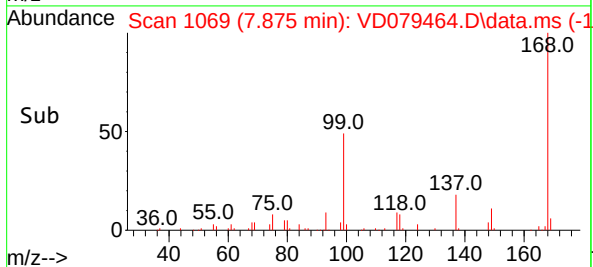
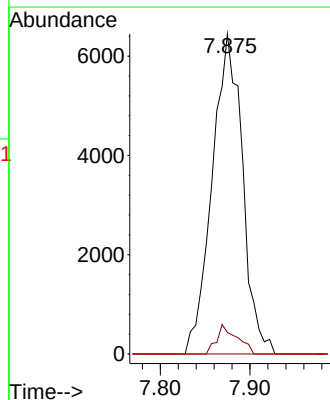
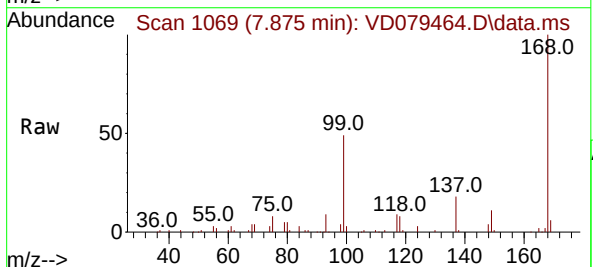
Tgt Ion: 117 Resp: 15109

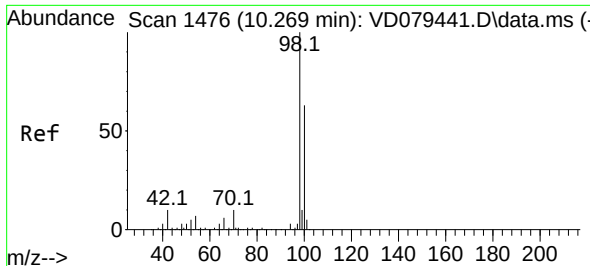
Ion Ratio Lower Upper

117 100

119 6.7 75.4 113.0#

121 0.0 25.0 37.4#

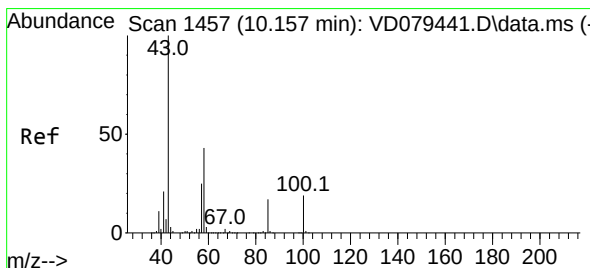
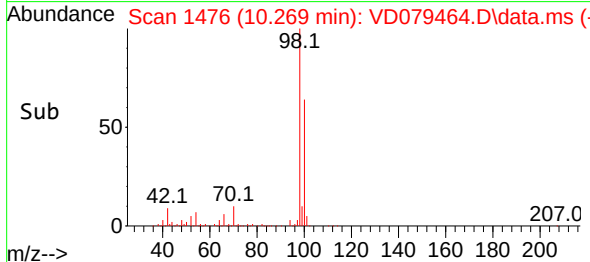
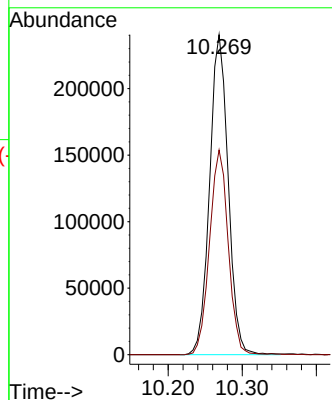
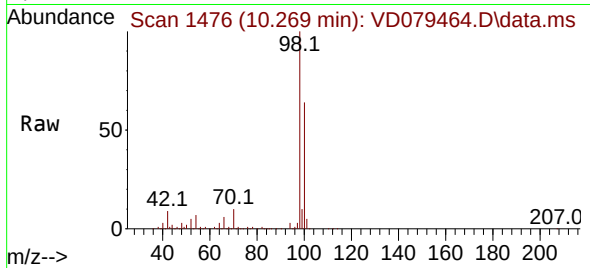




#50
Toluene-d8
Concen: 53.590 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

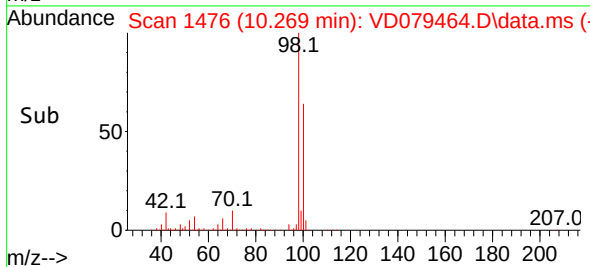
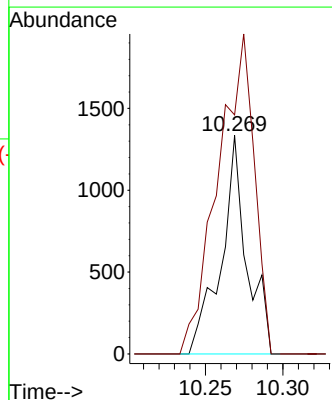
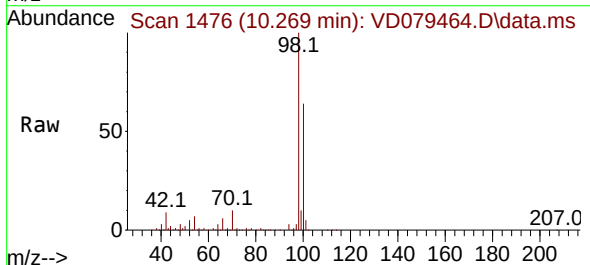
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-03-072324

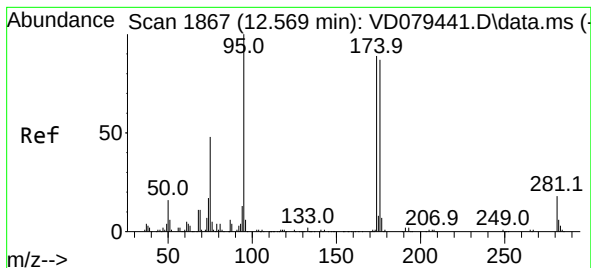
Tgt Ion: 98 Resp: 418985
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.424 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.111 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 206.8 36.6 55.0#

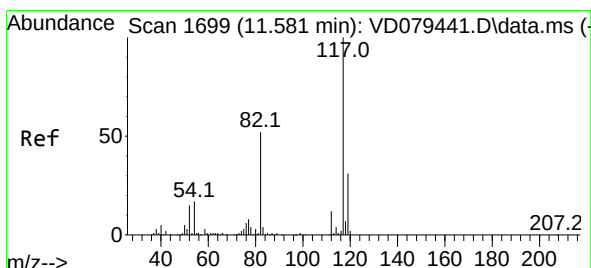
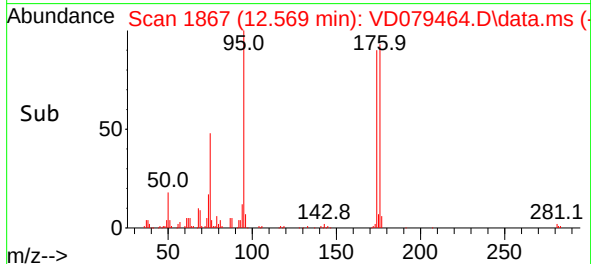
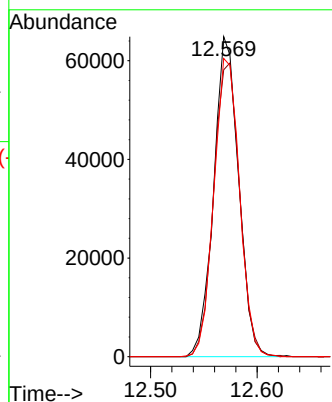
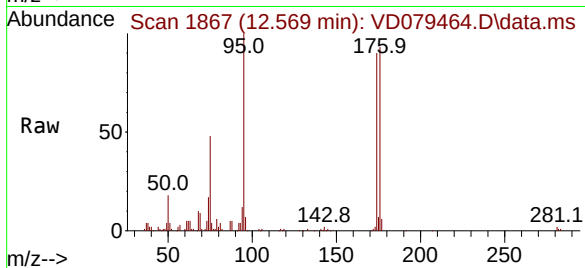




#62
4-Bromofluorobenzene
Concen: 46.672 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

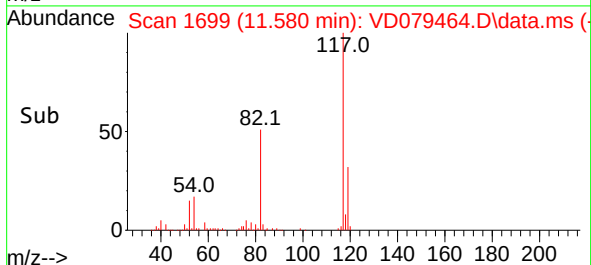
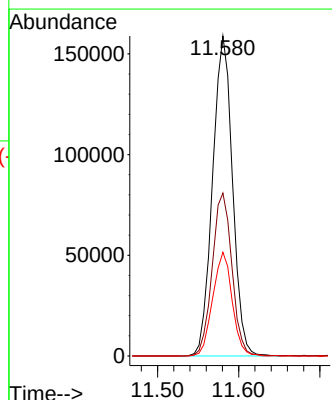
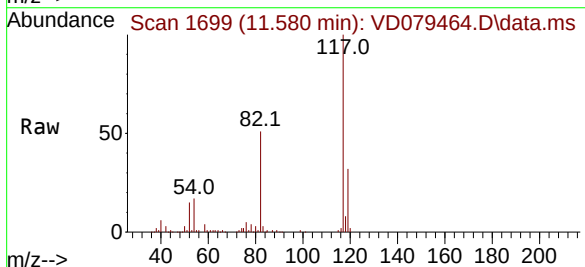
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ClientSampleId :
OU4-VSL-03-072324

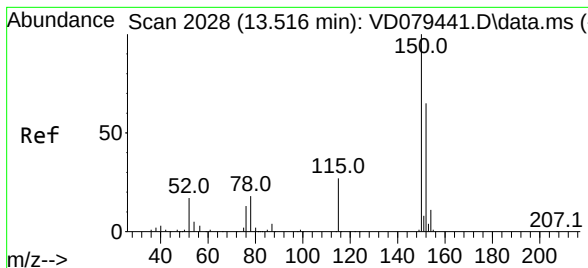
Tgt Ion: 95 Resp: 105594
Ion Ratio Lower Upper
95 100
174 95.8 0.0 195.4
176 95.8 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

Tgt Ion: 117 Resp: 271116
Ion Ratio Lower Upper
117 100
82 50.9 39.8 59.6
119 32.4 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079464.D

Acq: 30 Jul 2024 17:43

Instrument :

MSVOA_D

ClientSampleId :

OU4-VSL-03-072324

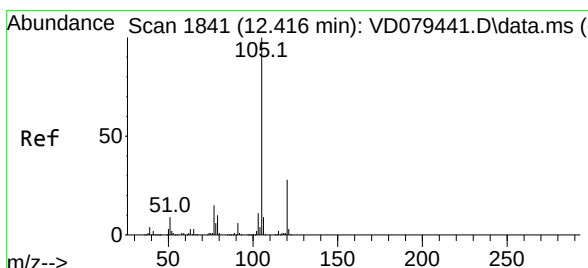
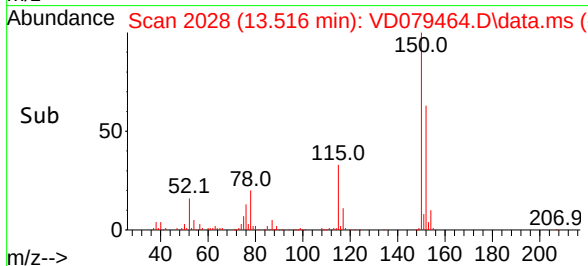
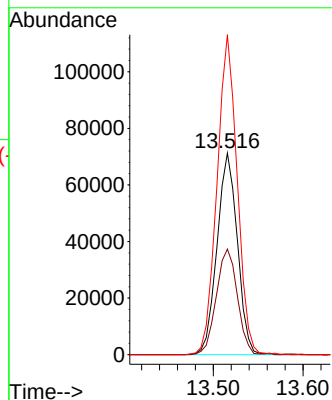
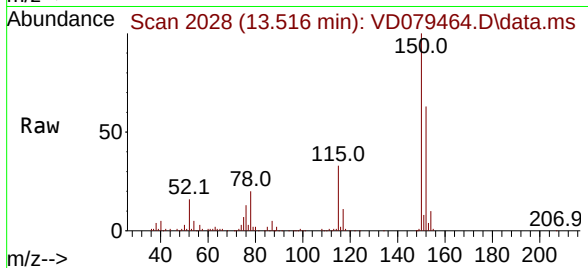
Tgt Ion:152 Resp: 112149

Ion Ratio Lower Upper

152 100

115 54.4 26.5 79.5

150 157.5 0.0 341.6



#73

Isopropylbenzene

Concen: 3.635 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.153 min

Lab File: VD079464.D

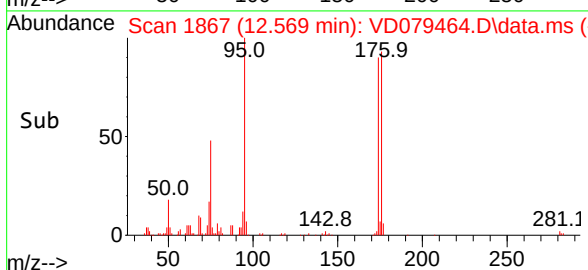
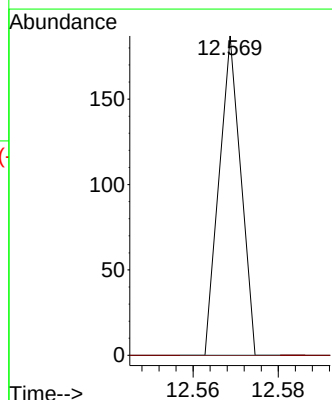
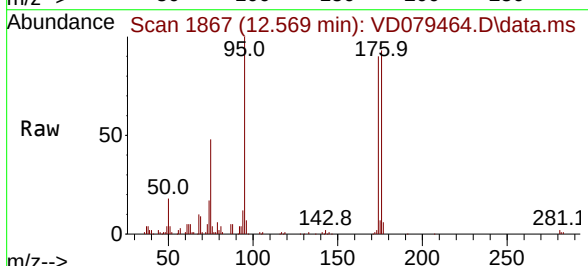
Acq: 30 Jul 2024 17:43

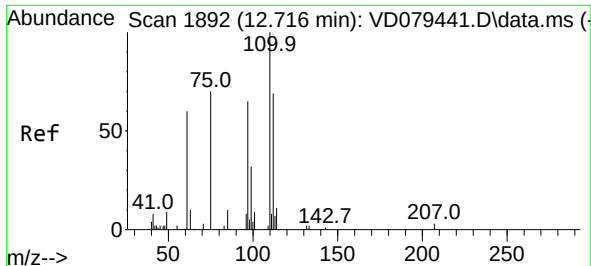
Tgt Ion:105 Resp: 66

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

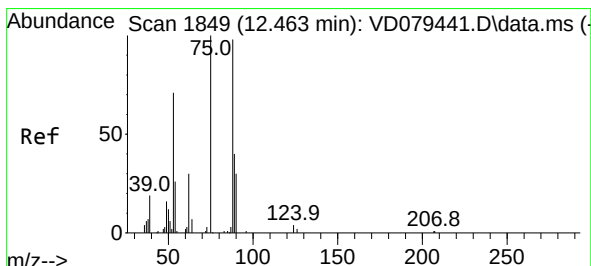
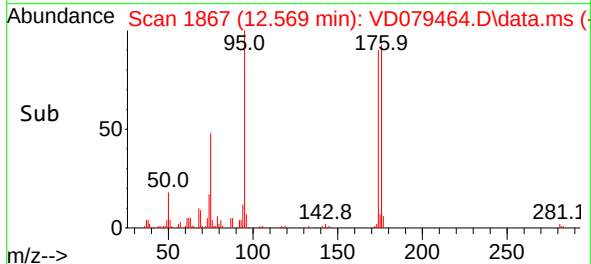
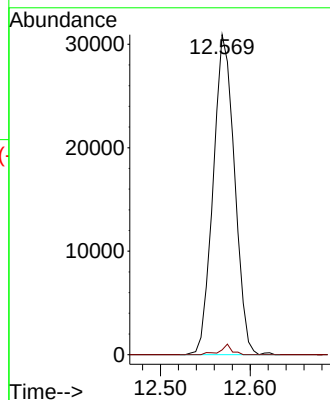
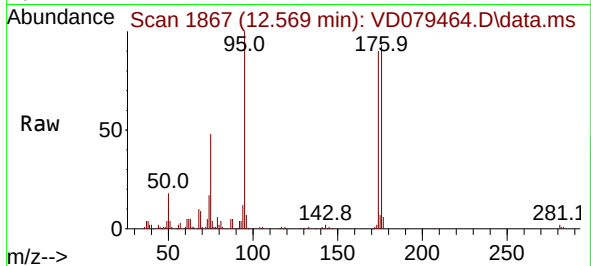




#76
1,2,3-Trichloropropane
Concen: 52.191 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

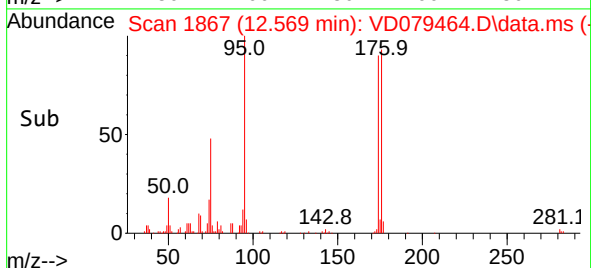
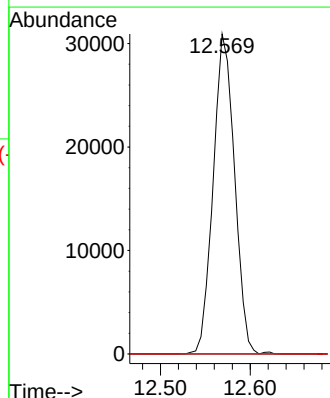
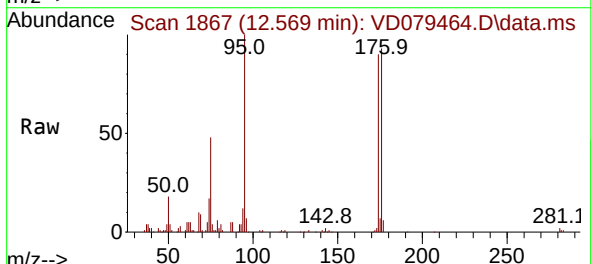
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-03-072324

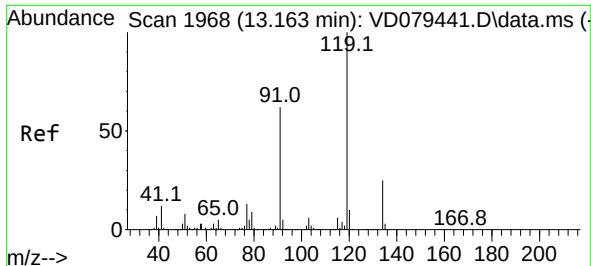
Tgt Ion: 75 Resp: 51162
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.541 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

Tgt Ion: 75 Resp: 51162
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

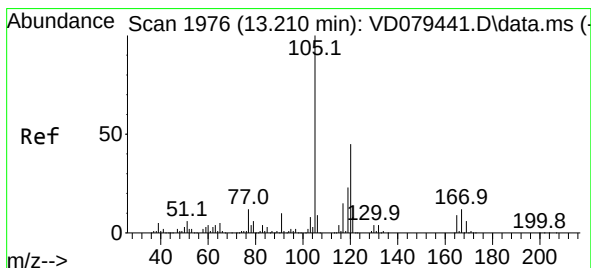
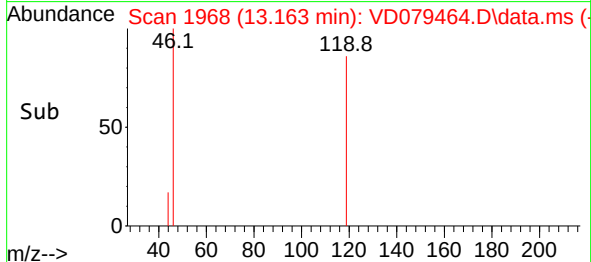
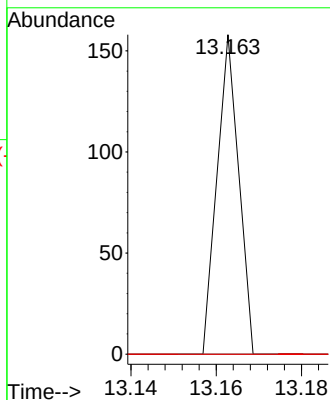
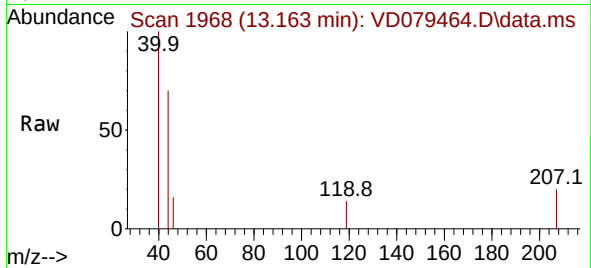




#83
tert-Butylbenzene
Concen: 3.636 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

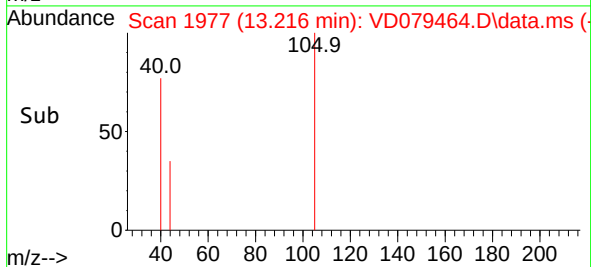
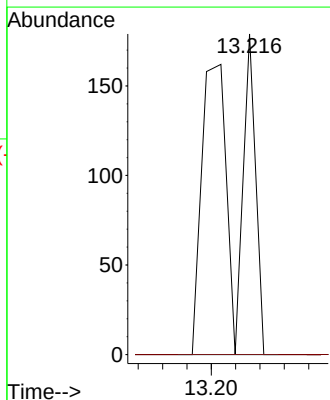
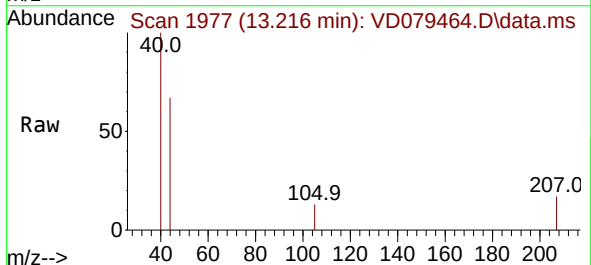
Instrument :
MSVOA_D
ClientSampleId :
OU4-VSL-03-072324

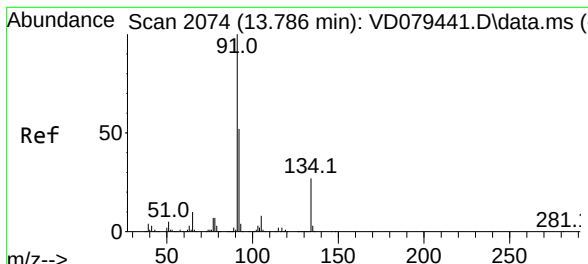
Tgt Ion:	119	Resp:	56
Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.2	84.7#
134	0.0	13.4	40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.452 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.012 min
Lab File: VD079464.D
Acq: 30 Jul 2024 17:43

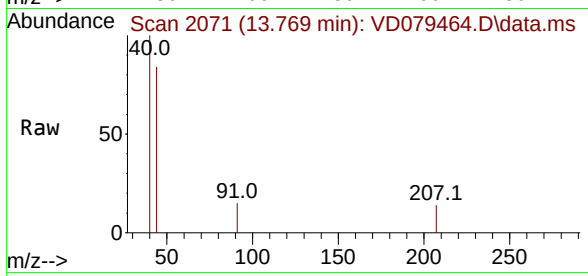
Tgt Ion:	105	Resp:	176
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	71.0#





#89
 n-Butylbenzene
 Concen: 3.798 ug/l
 RT: 13.769 min Scan# 2071
 Delta R.T. -0.012 min
 Lab File: VD079464.D
 Acq: 30 Jul 2024 17:43

Instrument :
 MSVOA_D
 ClientSampleId :
 OU4-VSL-03-072324



Tgt Ion:	91	Resp:	128
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

