

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072835.D
 Acq On : 06 May 2022 04:37
 Operator : VA/SY
 Sample : N2680-08
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B4-5-7

Quant Time: May 06 06:30:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	324350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	590679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	576064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257084	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	206836	49.126	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.260%
35) Dibromofluoromethane	7.908	113	201874	48.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.320%
50) Toluene-d8	10.332	98	719336	48.340	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.680%
62) 4-Bromofluorobenzene	12.620	95	251873	45.394	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.780%

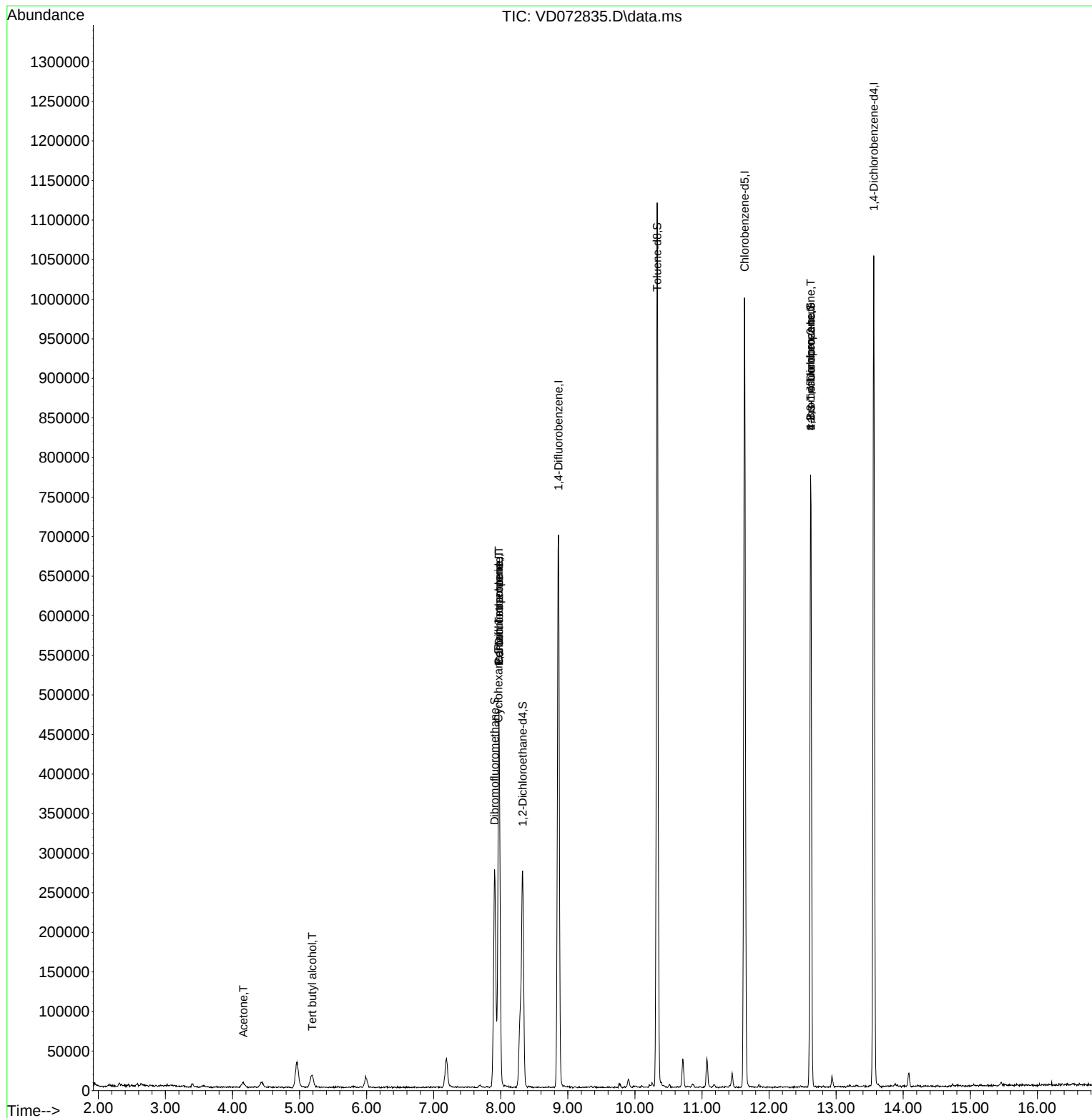
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	890	Below Cal		85
11) Tert butyl alcohol	5.191	59	14830	40.710	ug/l #	74
16) Acetone	4.161	43	12886	2.552	ug/l #	85
18) Methyl Acetate	4.679	43	72	Below Cal	#	55
20) Methylene Chloride	4.967	84	24271	Below Cal	#	88
31) Cyclohexane	7.967	56	8481	1.152	ug/l #	39
36) 1,1-Dichloropropene	7.973	75	28861	4.279	ug/l #	51
38) Carbon Tetrachloride	7.973	117	35269	5.037	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	137339	47.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	137339	110.172	ug/l #	7

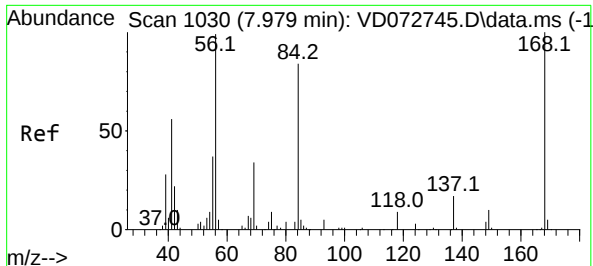
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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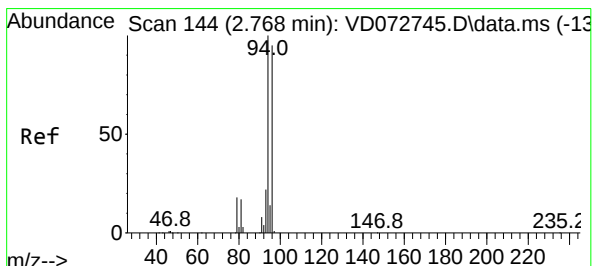
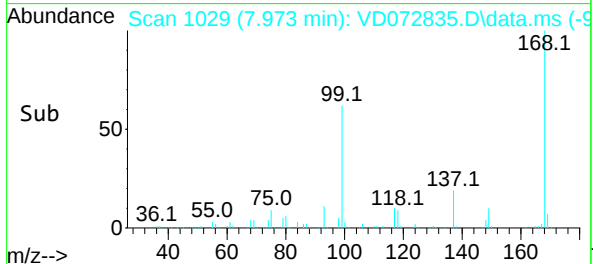
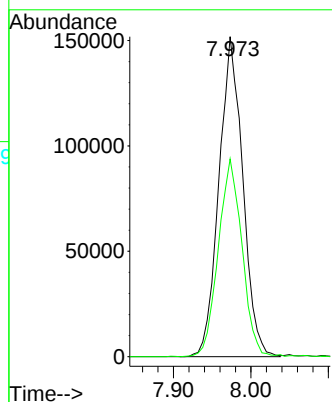
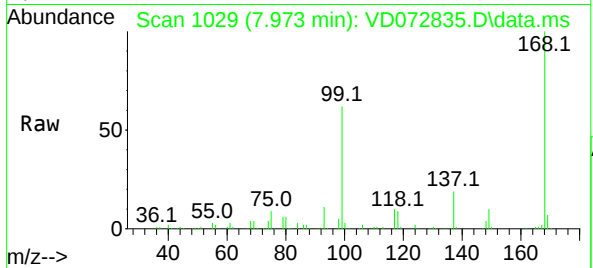




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

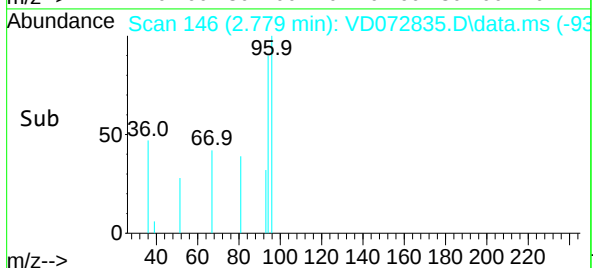
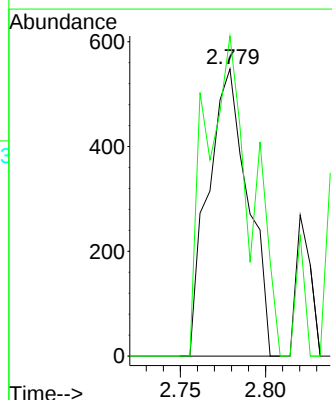
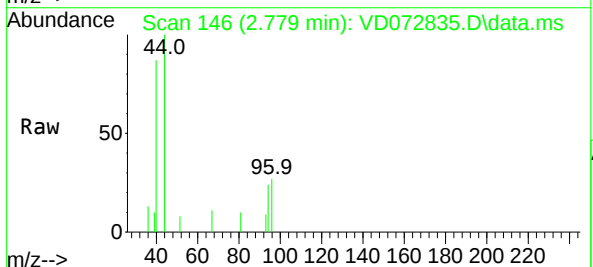
Instrument :
MSVOA_D
ClientSampleId :
B4-5-7

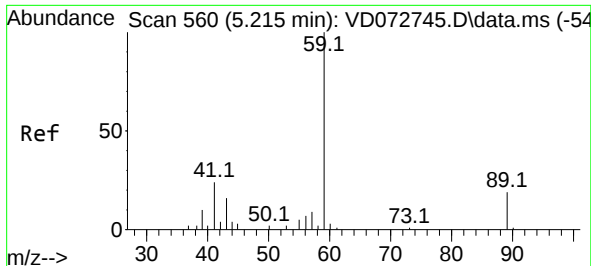
Tgt Ion:168 Resp: 324350
Ion Ratio Lower Upper
168 100
99 61.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

Tgt Ion: 94 Resp: 890
Ion Ratio Lower Upper
94 100
96 111.5 77.6 116.4

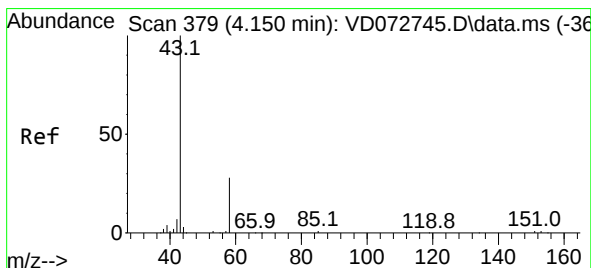
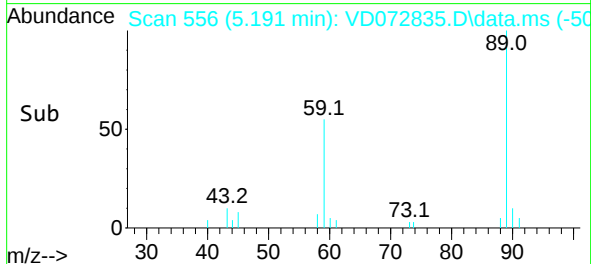
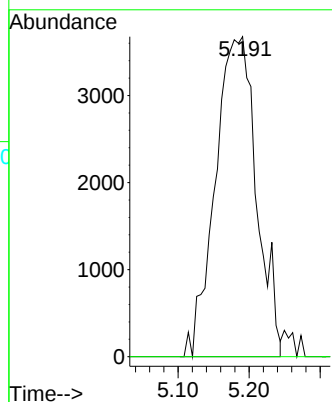
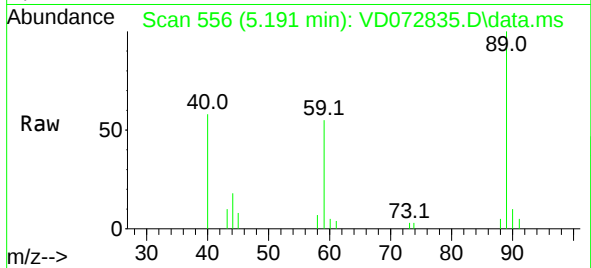




#11
Tert butyl alcohol
Concen: 40.710 ug/l
RT: 5.191 min Scan# 511
Delta R.T. -0.024 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

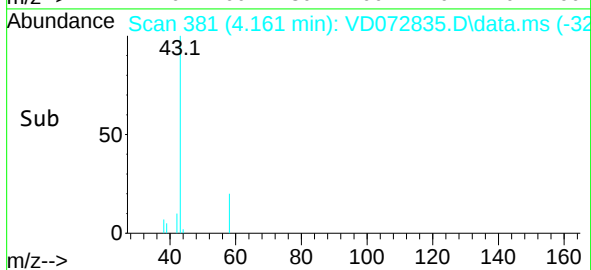
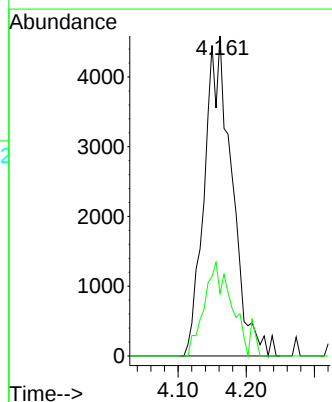
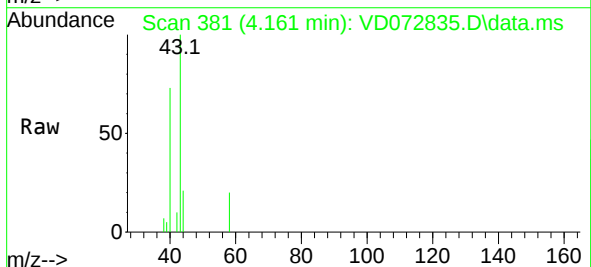
Instrument :
MSVOA_D
ClientSampleId :
B4-5-7

Tgt Ion: 59 Resp: 14830
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.552 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

Tgt Ion: 43 Resp: 12886
Ion Ratio Lower Upper
43 100
58 19.6 22.1 33.1#

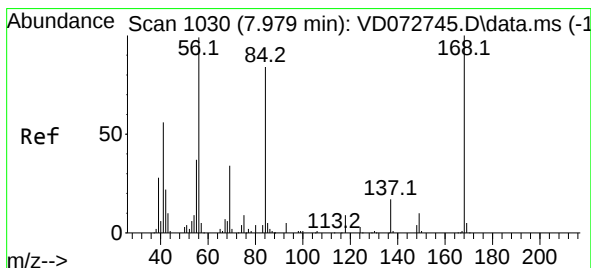
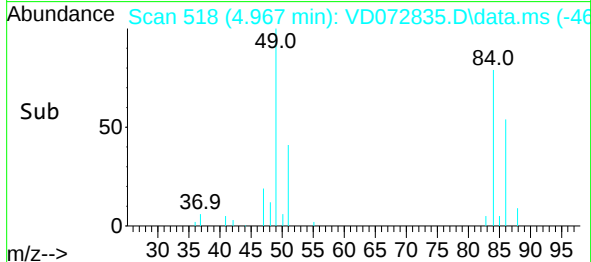
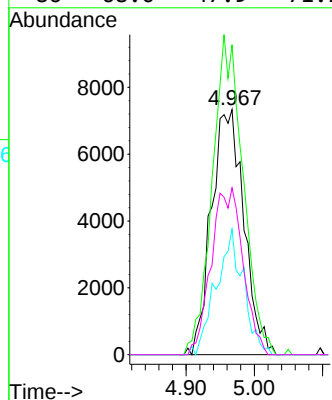
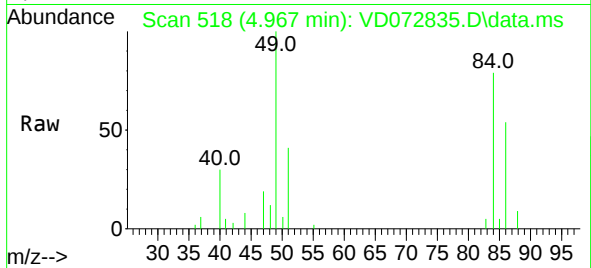




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

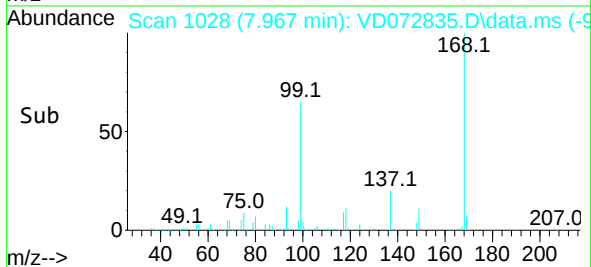
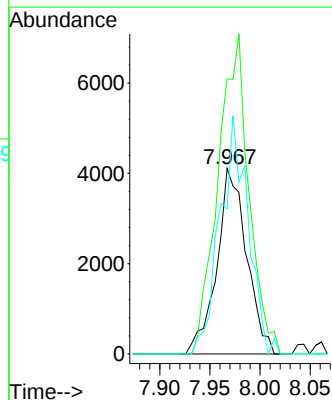
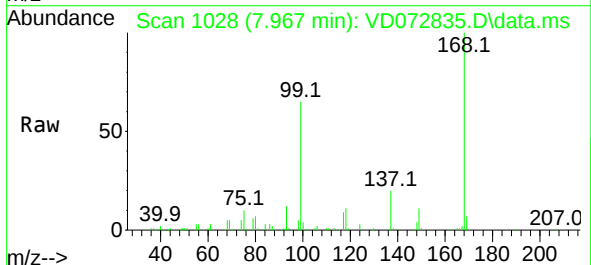
Instrument :
MSVOA_D
ClientSampleId :
B4-5-7

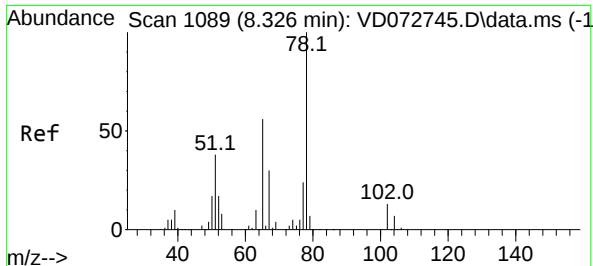
Tgt Ion:	84	Resp:	24271
Ion	Ratio	Lower	Upper
84	100		
49	126.4	112.8	169.2
51	51.2	32.6	48.8#
86	68.0	47.9	71.9



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

Tgt Ion:	56	Resp:	8481
Ion	Ratio	Lower	Upper
56	100		
69	148.3	25.4	38.2#
84	78.2	63.0	94.4





#33

1,2-Dichloroethane-d4

Concen: 49.126 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072835.D

Acq: 06 May 2022 04:37

Instrument :

MSVOA_D

ClientSampleId :

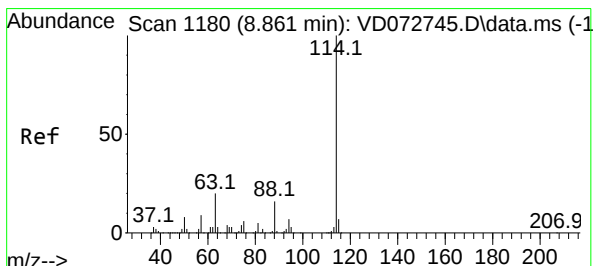
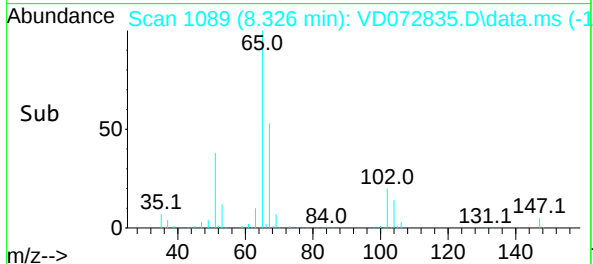
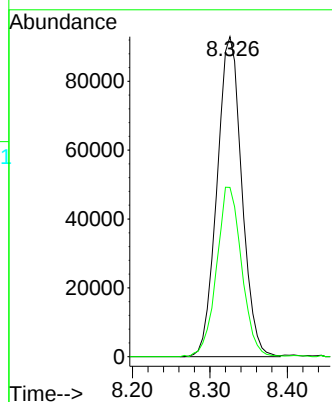
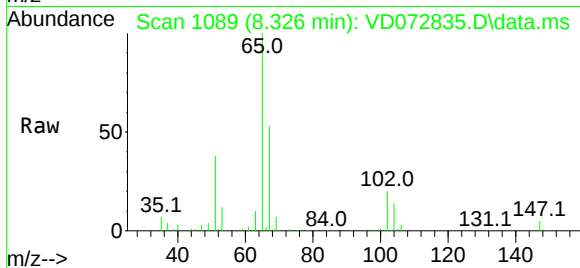
B4-5-7

Tgt Ion: 65 Resp: 206836

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072835.D

Acq: 06 May 2022 04:37

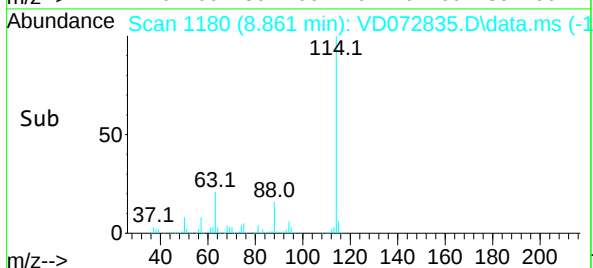
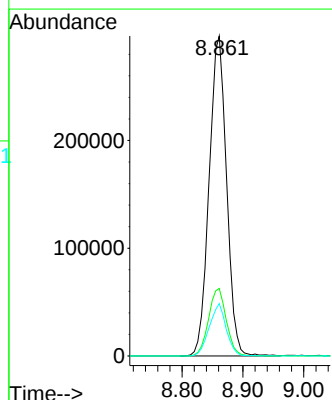
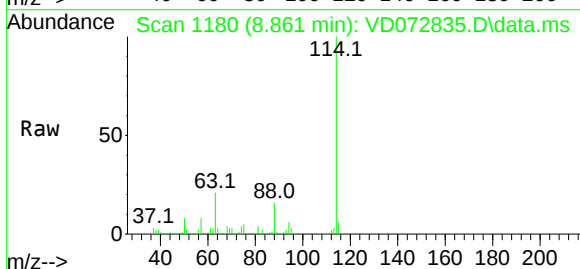
Tgt Ion: 114 Resp: 590679

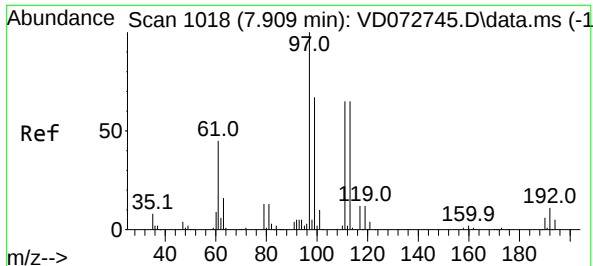
Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.663 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072835.D

Acq: 06 May 2022 04:37

Instrument :

MSVOA_D

ClientSampleId :

B4-5-7

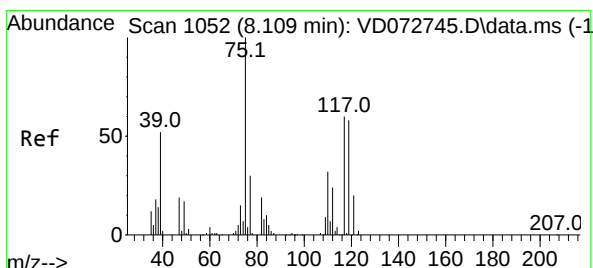
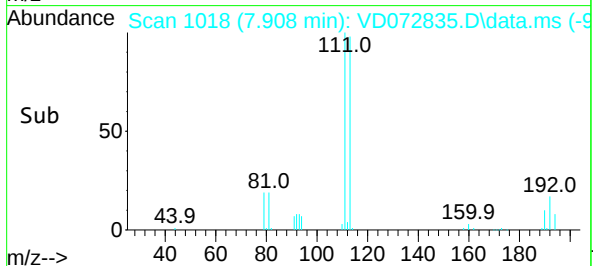
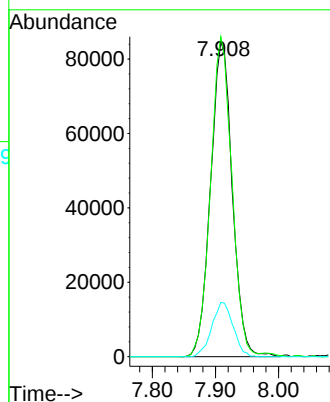
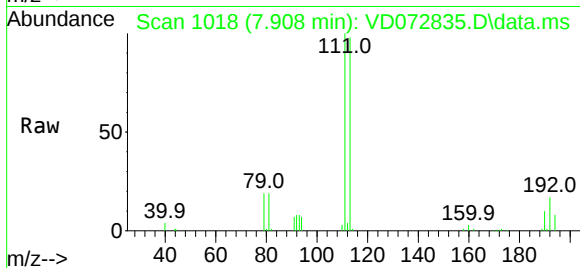
Tgt Ion:113 Resp: 201874

Ion Ratio Lower Upper

113 100

111 99.6 83.8 125.6

192 16.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.279 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072835.D

Acq: 06 May 2022 04:37

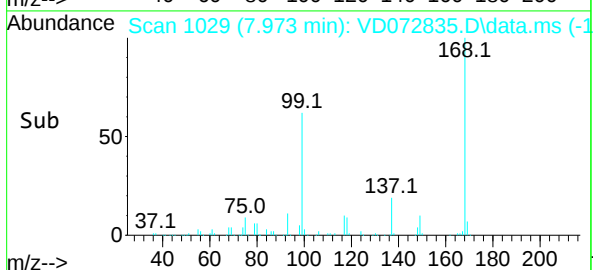
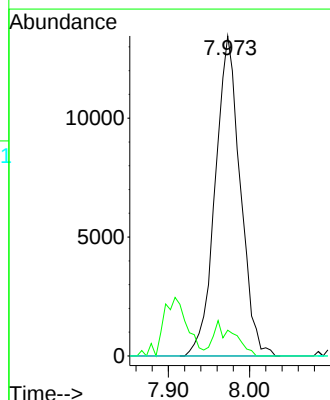
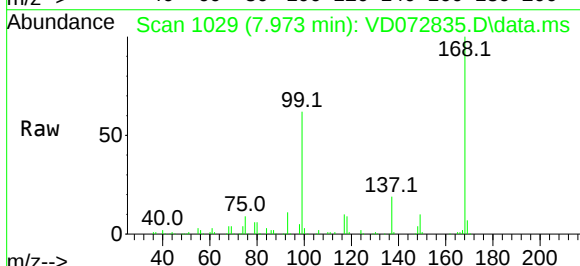
Tgt Ion: 75 Resp: 28861

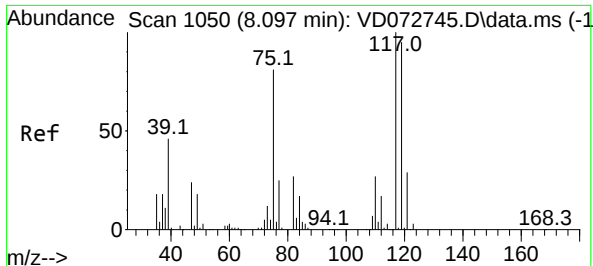
Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.1#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.037 ug/l

RT: 7.973 min Scan# 1050

Delta R.T. -0.124 min

Lab File: VD072835.D

Acq: 06 May 2022 04:37

Instrument :

MSVOA_D

ClientSampleId :

B4-5-7

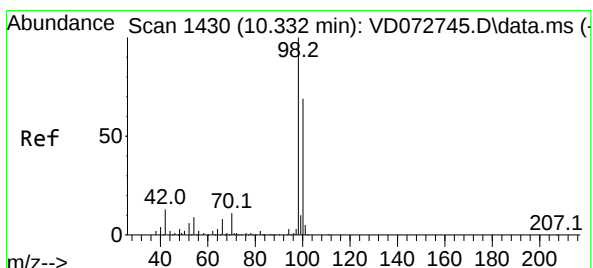
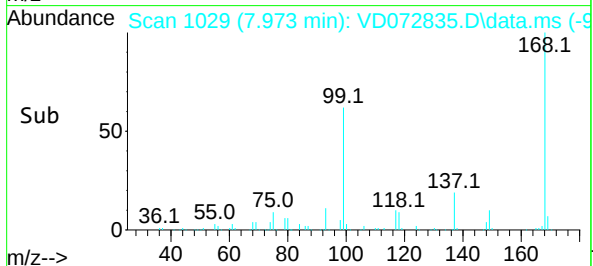
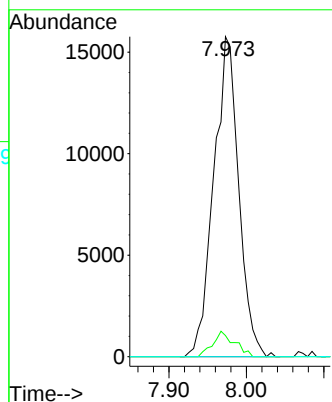
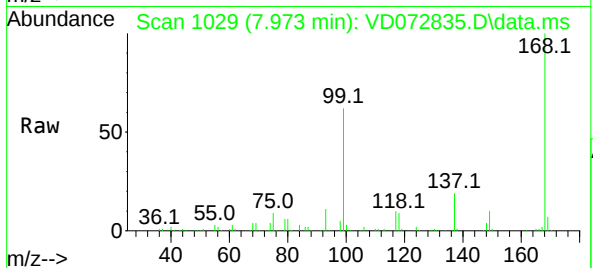
Tgt Ion:117 Resp: 35269

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 48.340 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072835.D

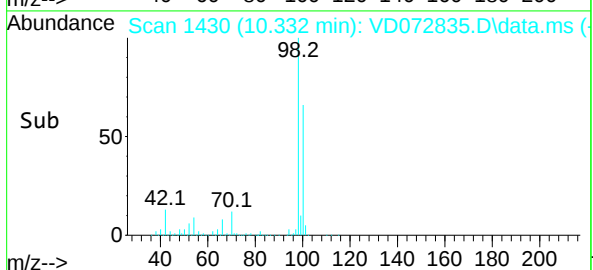
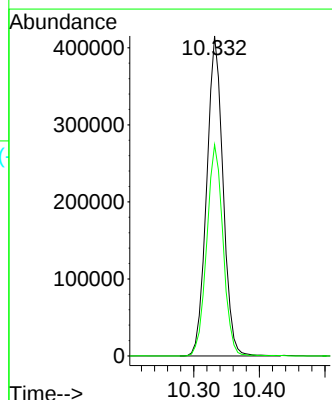
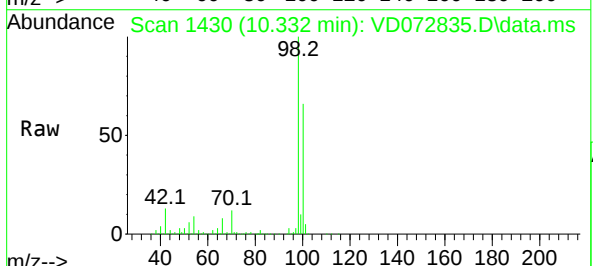
Acq: 06 May 2022 04:37

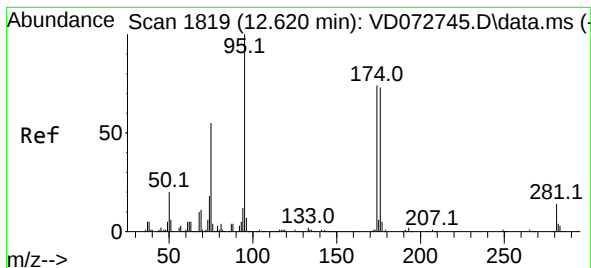
Tgt Ion: 98 Resp: 719336

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6

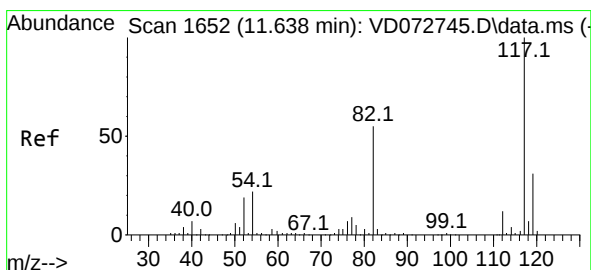
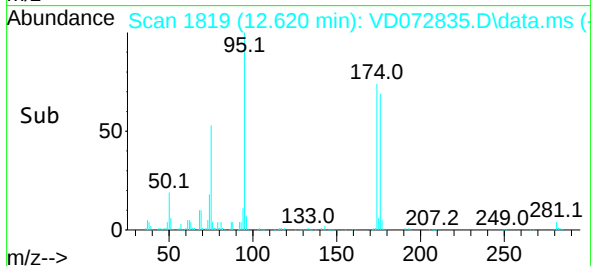
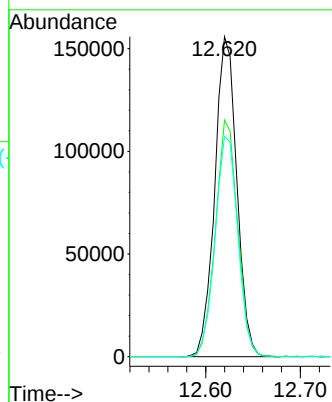
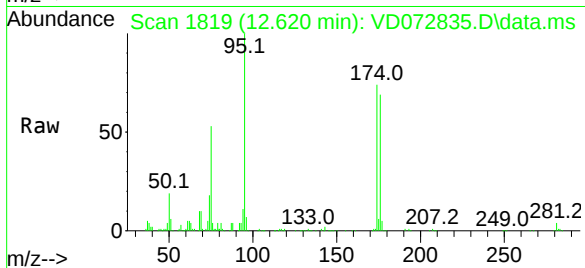




#62
4-Bromofluorobenzene
Concen: 45.394 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

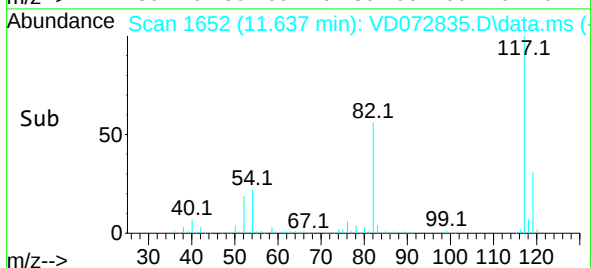
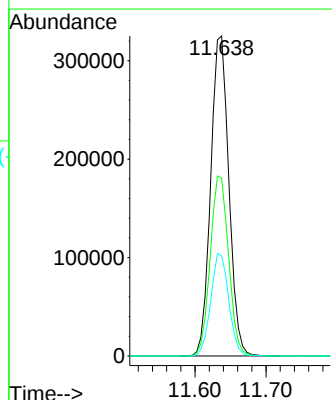
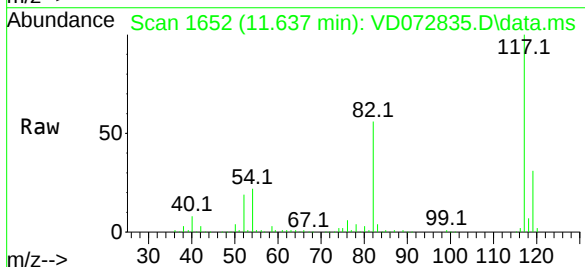
Instrument :
MSVOA_D
ClientSampleId :
B4-5-7

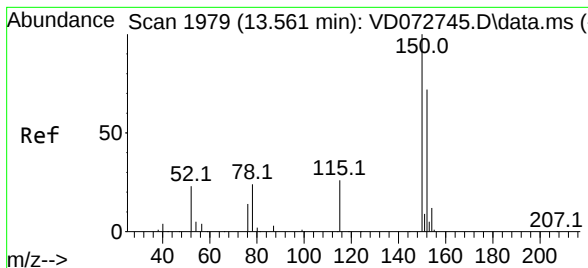
Tgt Ion: 95 Resp: 251873
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.8
176 71.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD072835.D
Acq: 06 May 2022 04:37

Tgt Ion: 117 Resp: 576064
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 31.2 26.6 40.0

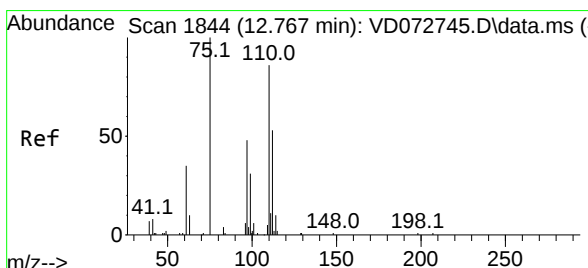
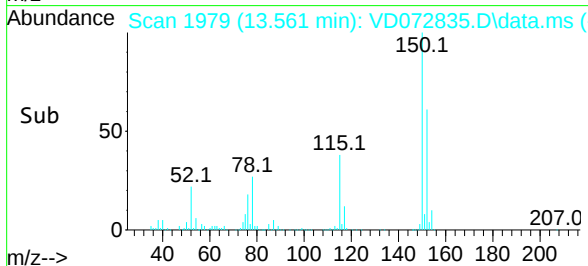
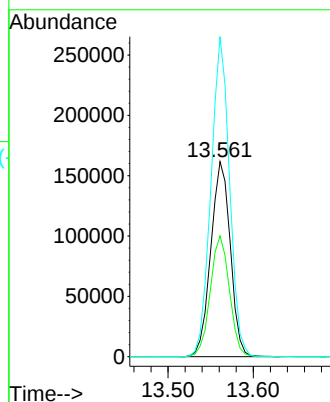
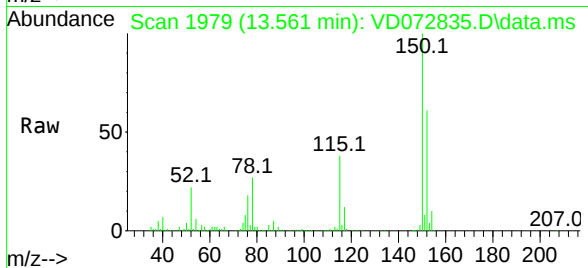




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD072835.D
 Acq: 06 May 2022 04:37

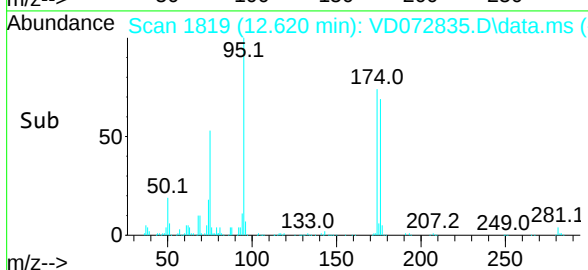
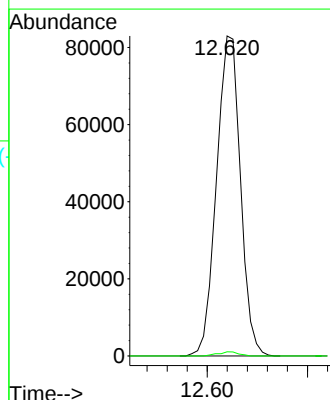
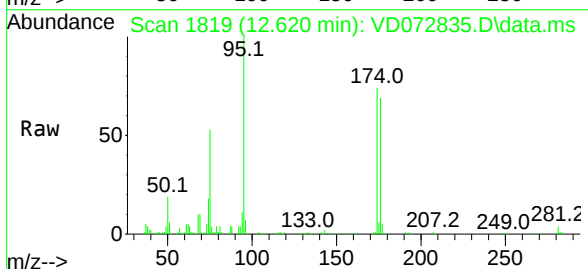
Instrument :
 MSVOA_D
 ClientSampleId :
 B4-5-7

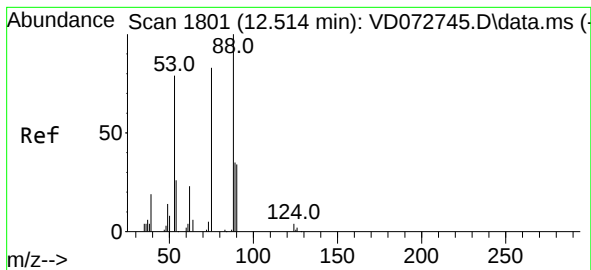
Tgt Ion:152 Resp: 257084
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.3 93.8
 150 156.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.909 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072835.D
 Acq: 06 May 2022 04:37

Tgt Ion: 75 Resp: 137339
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.172 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072835.D
 Acq: 06 May 2022 04:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B4-5-7

Tgt Ion: 75 Resp: 137339
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

