

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022829.D
 Acq On : 25 Jun 2025 16:52
 Operator : SY/MD
 Sample : Q2416-03
 Misc : 3.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-G/H-VOC

Quant Time: Jun 26 01:28:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

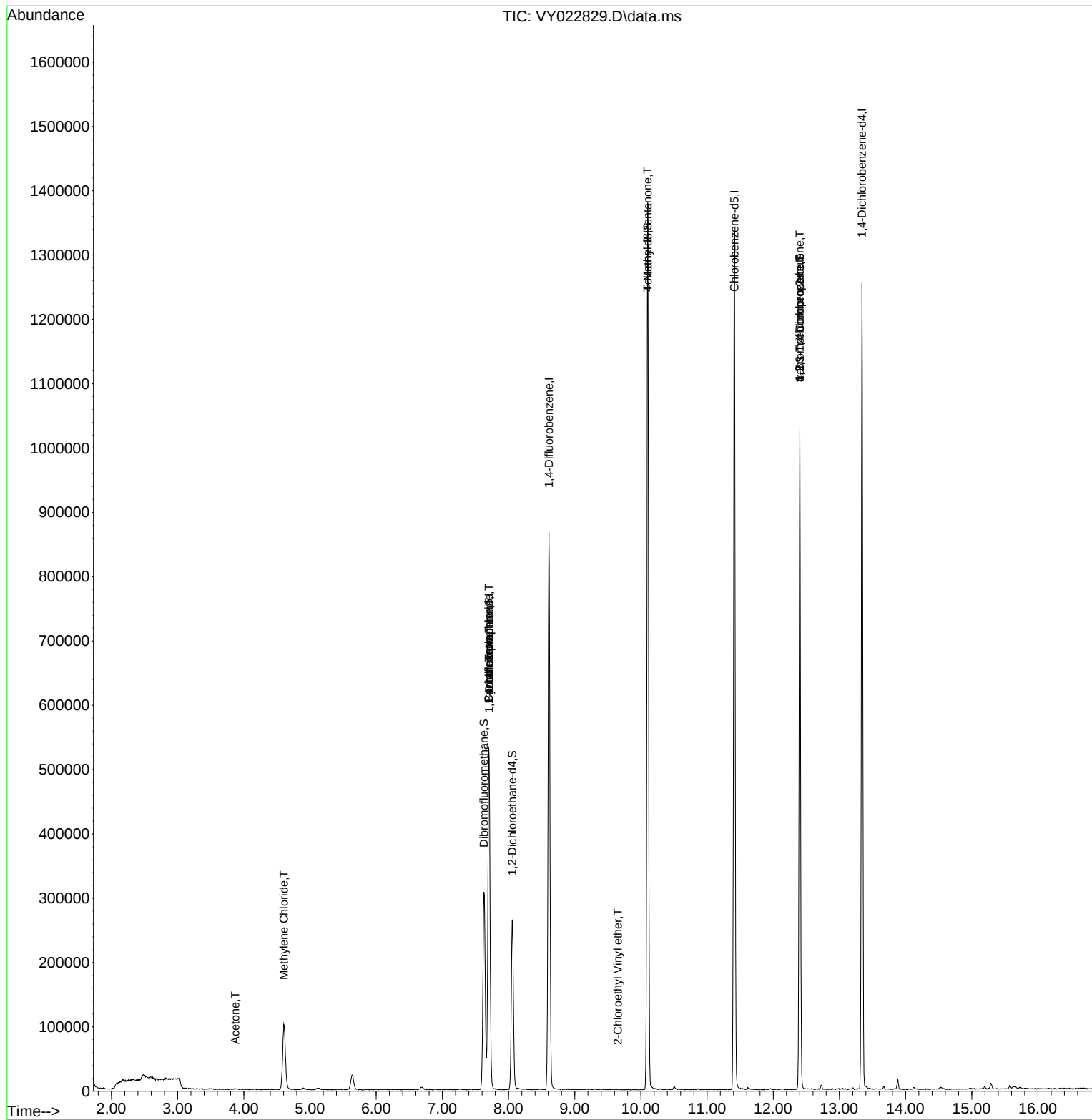
Internal Standards						
1) Pentafluorobenzene	7.701	168	403387	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	733802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	682947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	300202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	209621	46.560	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.120%
35) Dibromofluoromethane	7.628	113	217799	48.805	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.620%
50) Toluene-d8	10.103	98	872516	49.271	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.540%
62) 4-Bromofluorobenzene	12.401	95	291767	51.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.500%
Target Compounds						Qvalue
16) Acetone	3.872	43	1844	2.167	ug/l #	82
20) Methylene Chloride	4.604	84	72736	13.535	ug/l	93
31) Cyclohexane	7.701	56	10052	1.300	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	33877	5.008	ug/l #	50
38) Carbon Tetrachloride	7.701	117	40210	5.634	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4144	1.344	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.652	63	30	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	164916	53.810	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	164916	135.944	ug/l #	10

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

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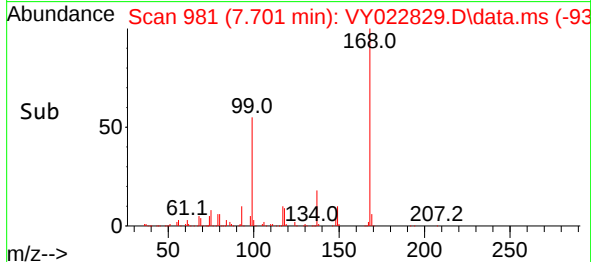
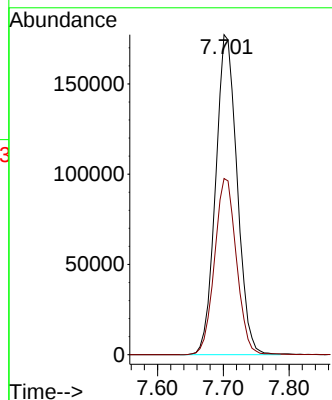
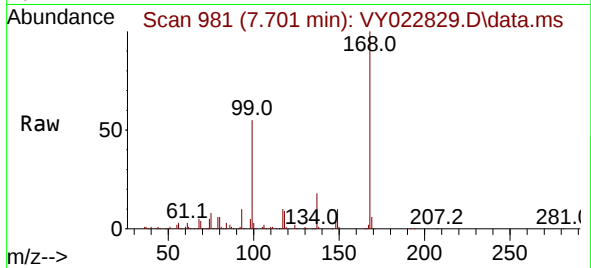




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

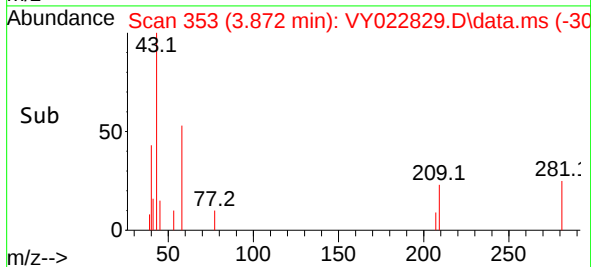
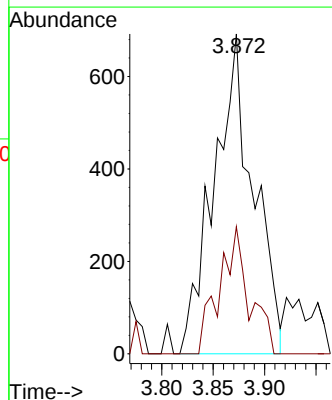
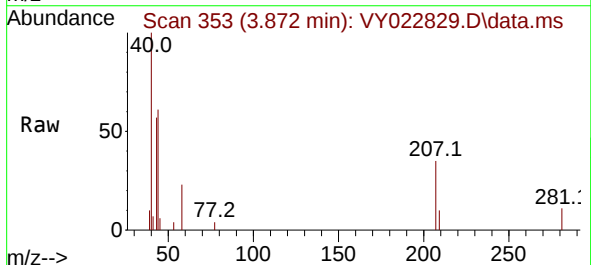
Instrument :
MSVOA_Y
ClientSampleId :
MH-G/H-VOC

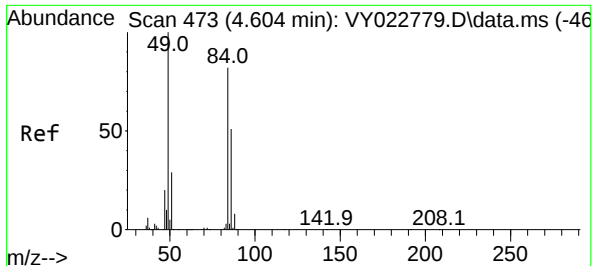
Tgt Ion:168 Resp: 403387
Ion Ratio Lower Upper
168 100
99 55.1 44.3 66.5



#16
Acetone
Concen: 2.167 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
58 39.7 24.0 36.0#



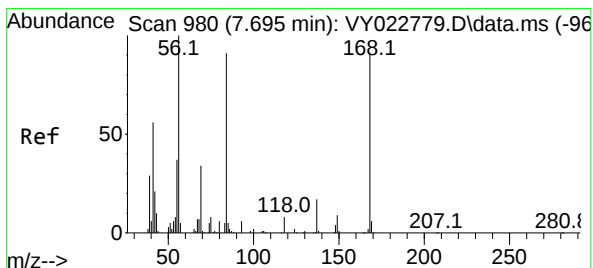
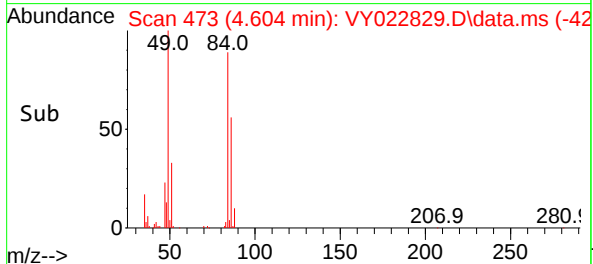
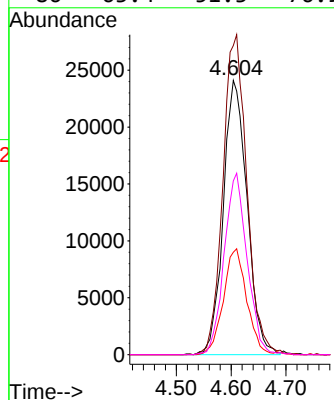
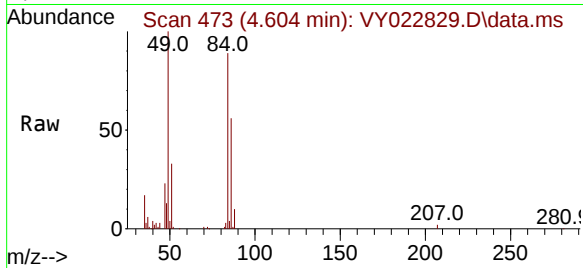


#20
Methylene Chloride
Concen: 13.535 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

Instrument :
MSVOA_Y
ClientSampleId :
MH-G/H-VOC

Tgt Ion: 84 Resp: 72736

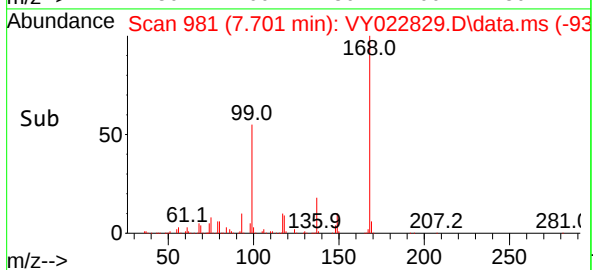
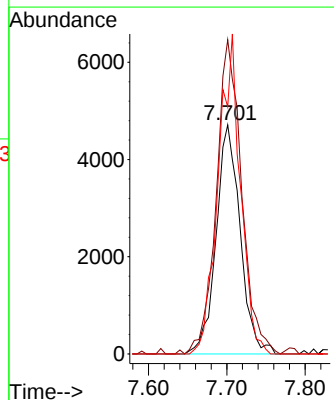
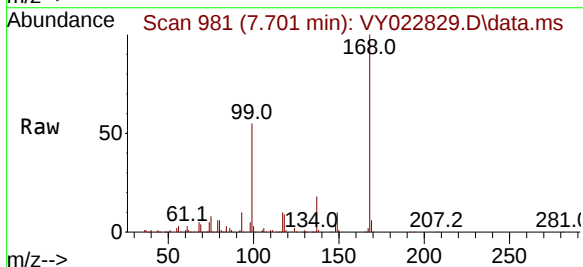
Ion	Ratio	Lower	Upper
84	100		
49	112.7	101.9	152.9
51	37.4	29.8	44.8
86	63.4	51.3	76.9

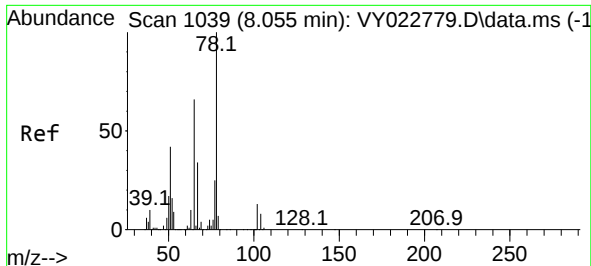


#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

Tgt Ion: 56 Resp: 10052

Ion	Ratio	Lower	Upper
56	100		
69	137.1	27.0	40.6#
84	107.8	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 46.560 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022829.D

Acq: 25 Jun 2025 16:52

Instrument :

MSVOA_Y

ClientSampleId :

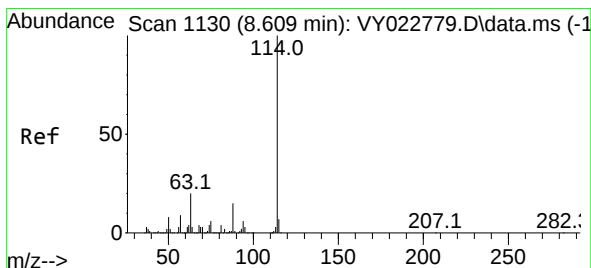
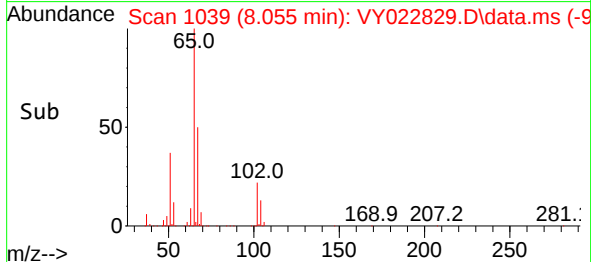
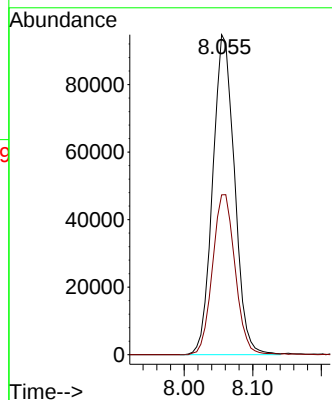
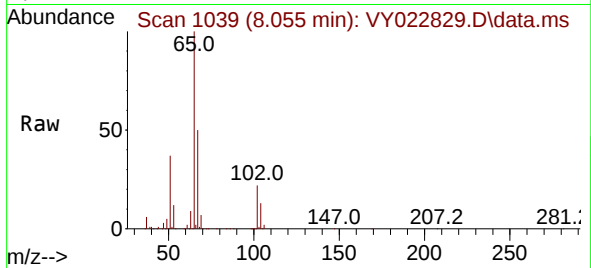
MH-G/H-VOC

Tgt Ion: 65 Resp: 209621

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022829.D

Acq: 25 Jun 2025 16:52

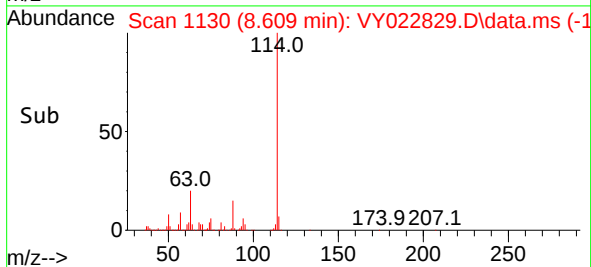
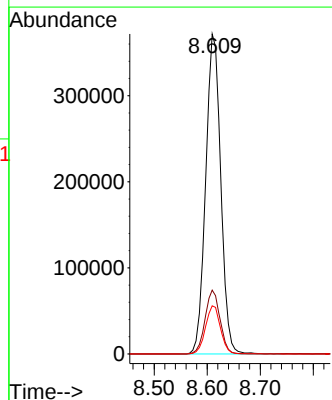
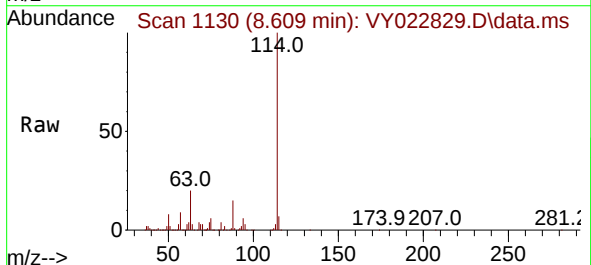
Tgt Ion: 114 Resp: 733802

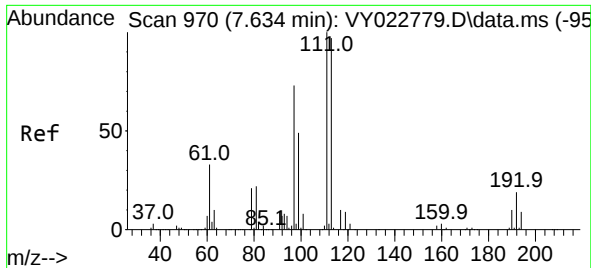
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.0 0.0 27.8

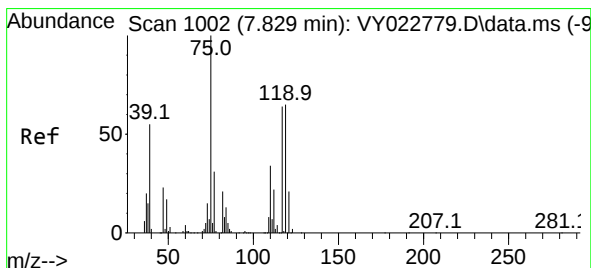
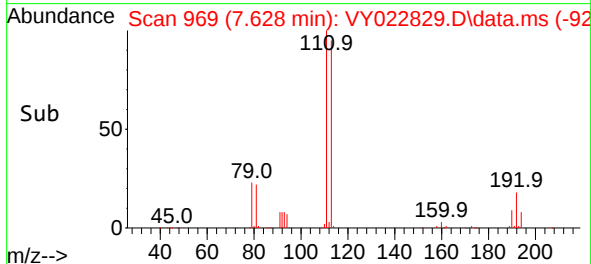
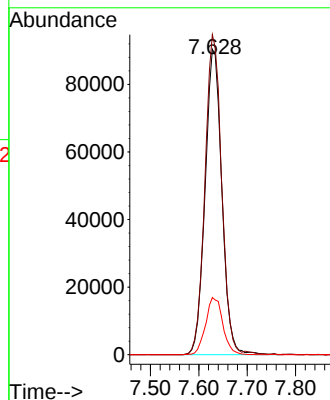
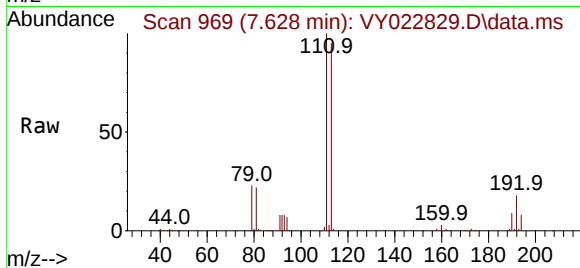




#35
Dibromofluoromethane
Concen: 48.805 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

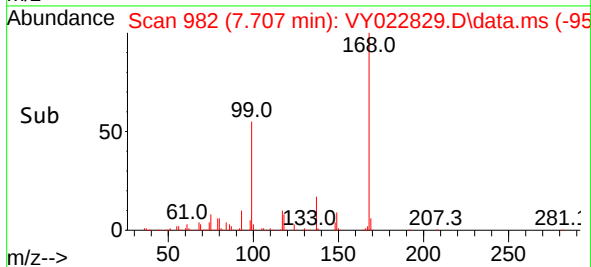
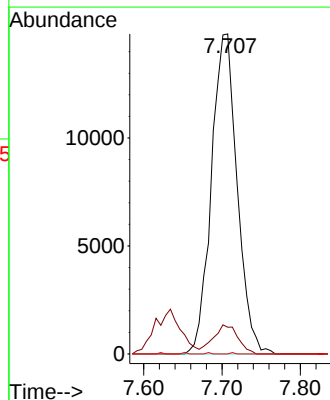
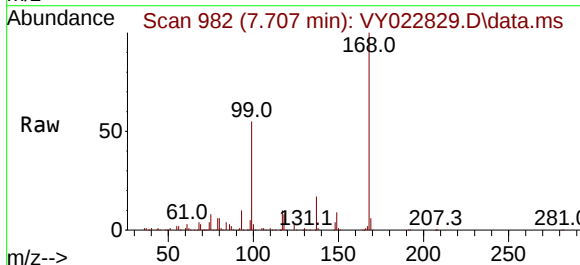
Instrument :
MSVOA_Y
ClientSampleId :
MH-G/H-VOC

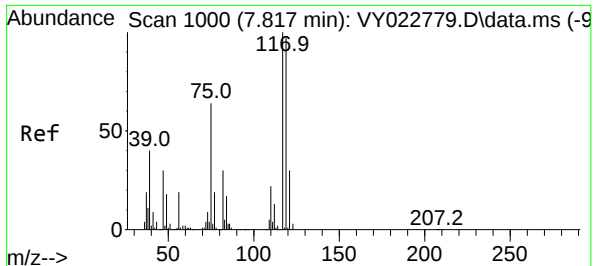
Tgt Ion:113 Resp: 217799
Ion Ratio Lower Upper
113 100
111 104.5 81.1 121.7
192 19.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.008 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

Tgt Ion: 75 Resp: 33877
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.1 24.8 37.2#

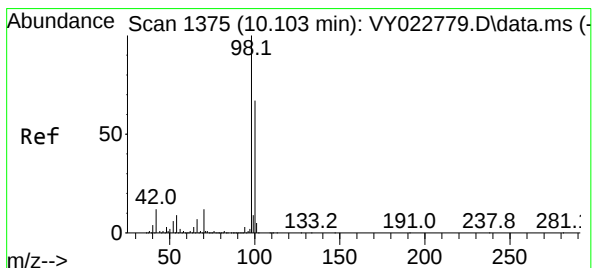
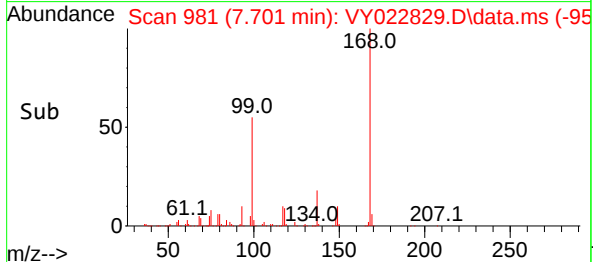
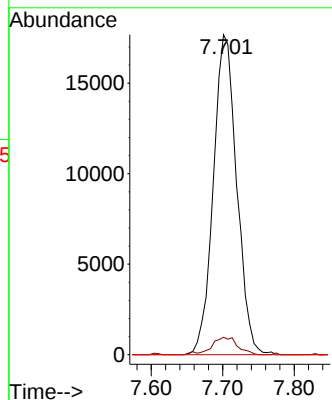
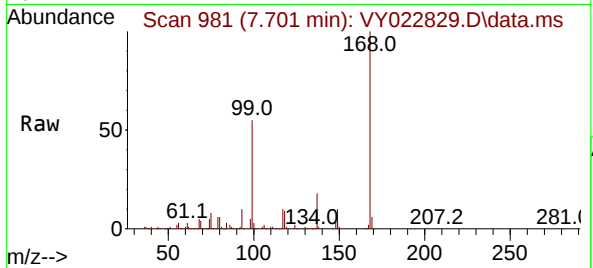




#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

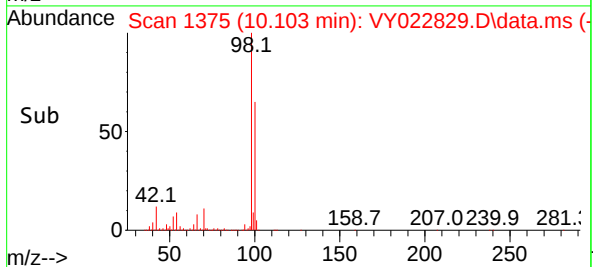
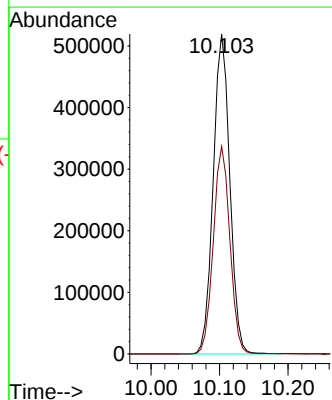
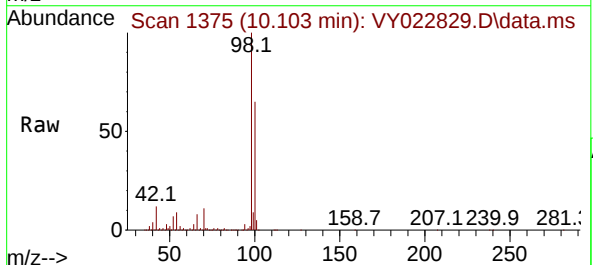
Instrument :
MSVOA_Y
ClientSampleId :
MH-G/H-VOC

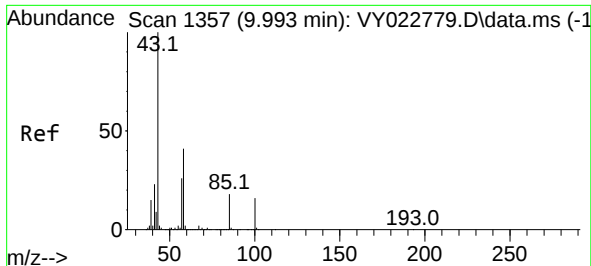
Tgt Ion:117 Resp: 40210
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.271 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

Tgt Ion: 98 Resp: 872516
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

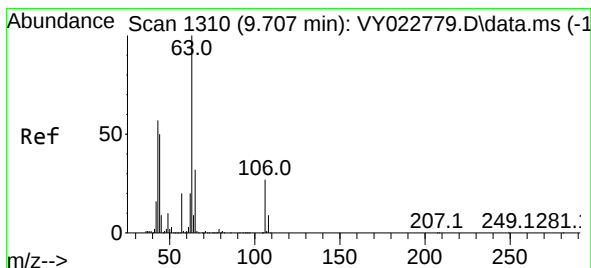
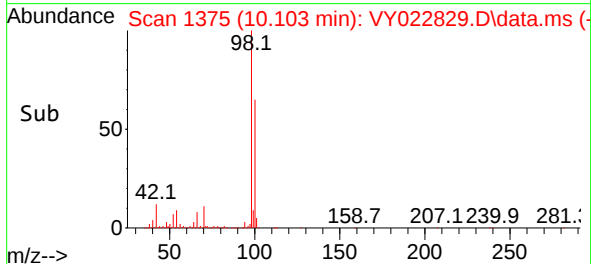
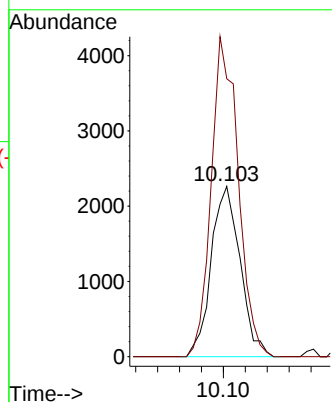
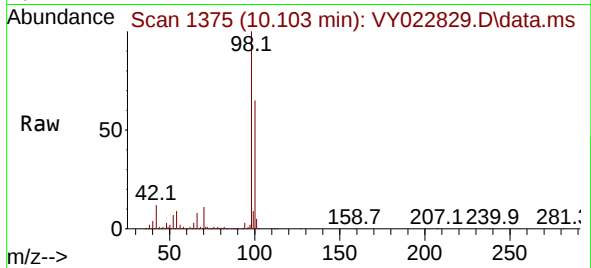




#51
4-Methyl-2-Pentanone
Concen: 1.344 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

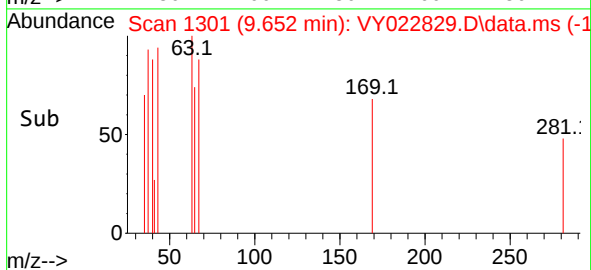
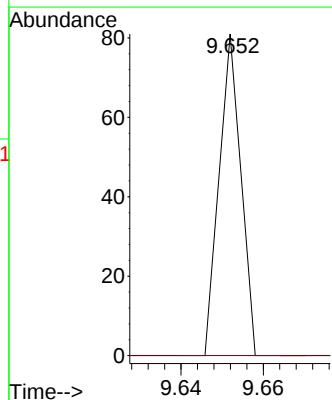
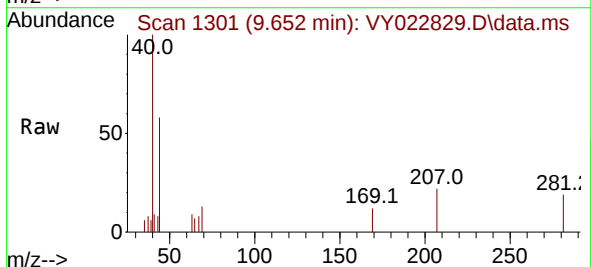
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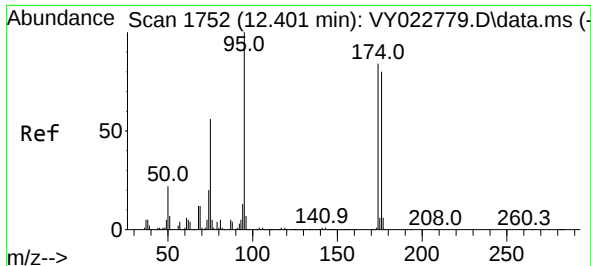
Tgt Ion: 43 Resp: 4144
Ion Ratio Lower Upper
43 100
58 175.2 30.4 45.6#



#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.652 min Scan# 1301
Delta R.T. -0.061 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

Tgt Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

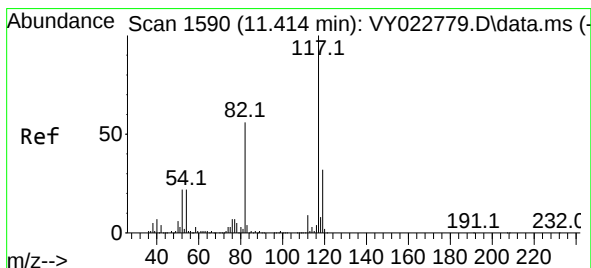
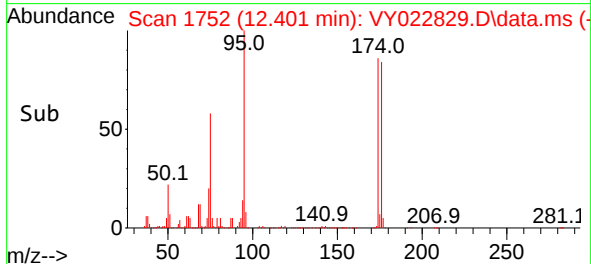
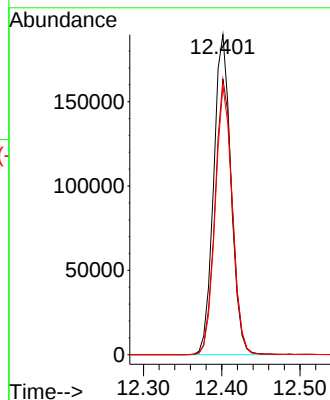
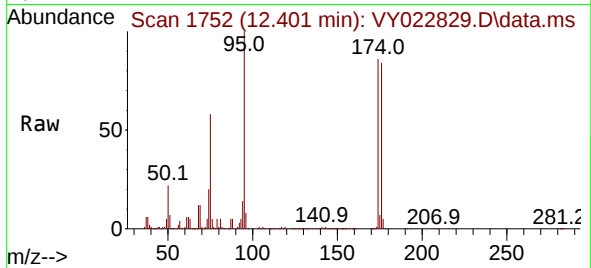




#62
4-Bromofluorobenzene
Concen: 51.253 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

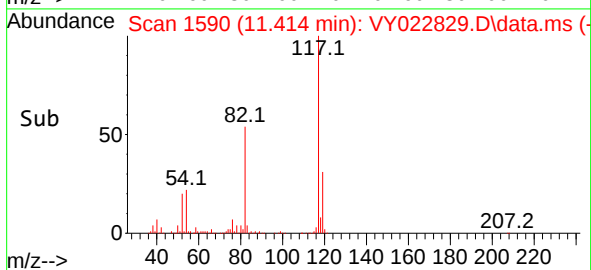
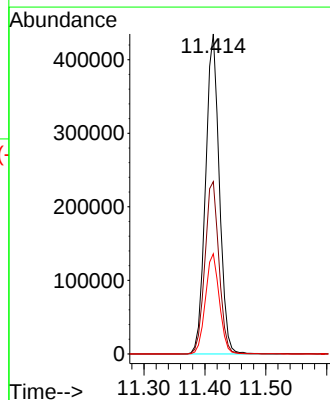
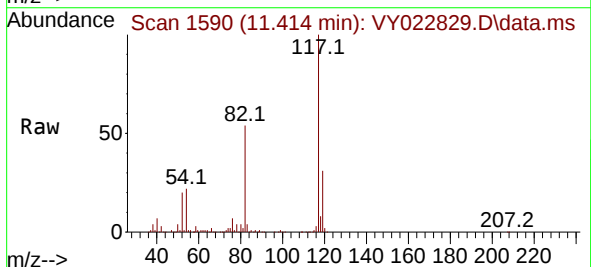
Instrument :
MSVOA_Y
ClientSampleId :
MH-G/H-VOC

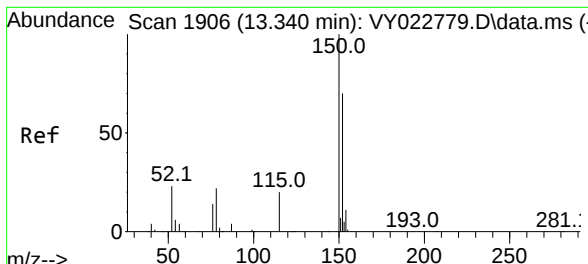
Tgt Ion: 95 Resp: 291767
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.0
176 82.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022829.D
Acq: 25 Jun 2025 16:52

Tgt Ion: 117 Resp: 682947
Ion Ratio Lower Upper
117 100
82 53.9 44.6 66.8
119 31.3 25.4 38.0

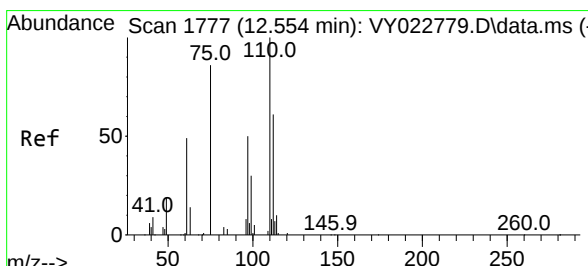
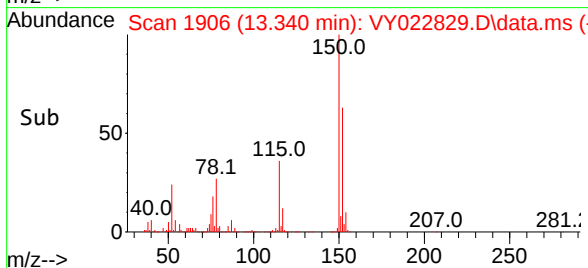
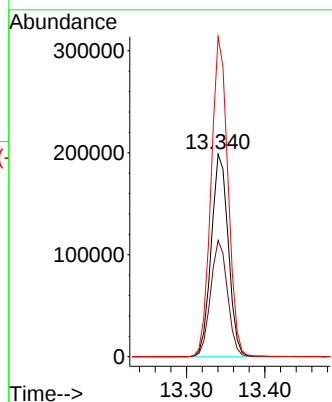
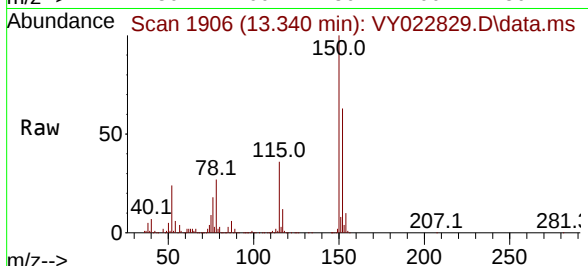




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022829.D
 Acq: 25 Jun 2025 16:52

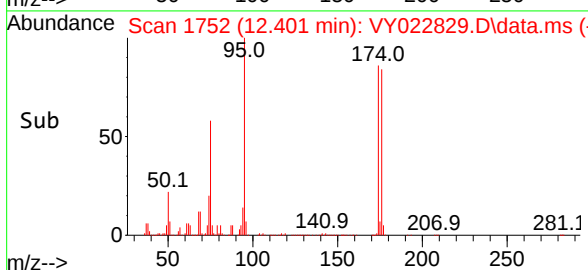
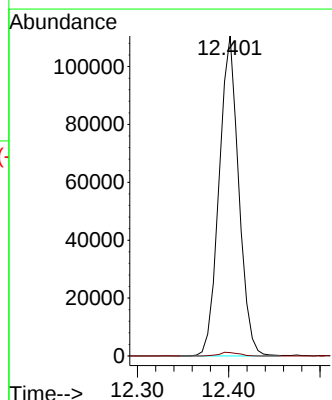
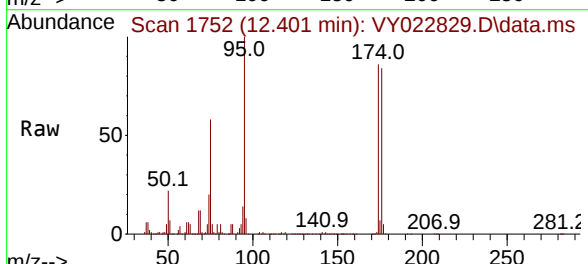
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-G/H-VOC

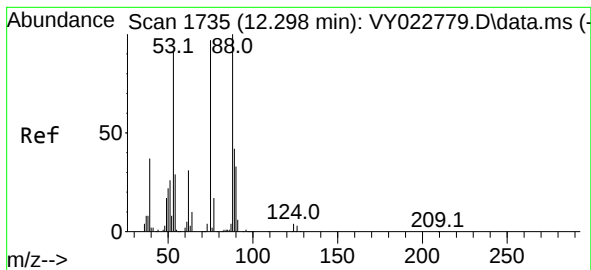
Tgt Ion:152 Resp: 300202
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.9 86.7
 150 156.1 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 53.810 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022829.D
 Acq: 25 Jun 2025 16:52

Tgt Ion: 75 Resp: 164916
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.944 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022829.D
 Acq: 25 Jun 2025 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-G/H-VOC

Tgt Ion: 75 Resp: 164916
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

