

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050625\
 Data File : VY022179.D
 Acq On : 06 May 2025 13:26
 Operator : SY/MD
 Sample : Q1964-03
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-LL-VOC

Quant Time: May 07 04:35:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

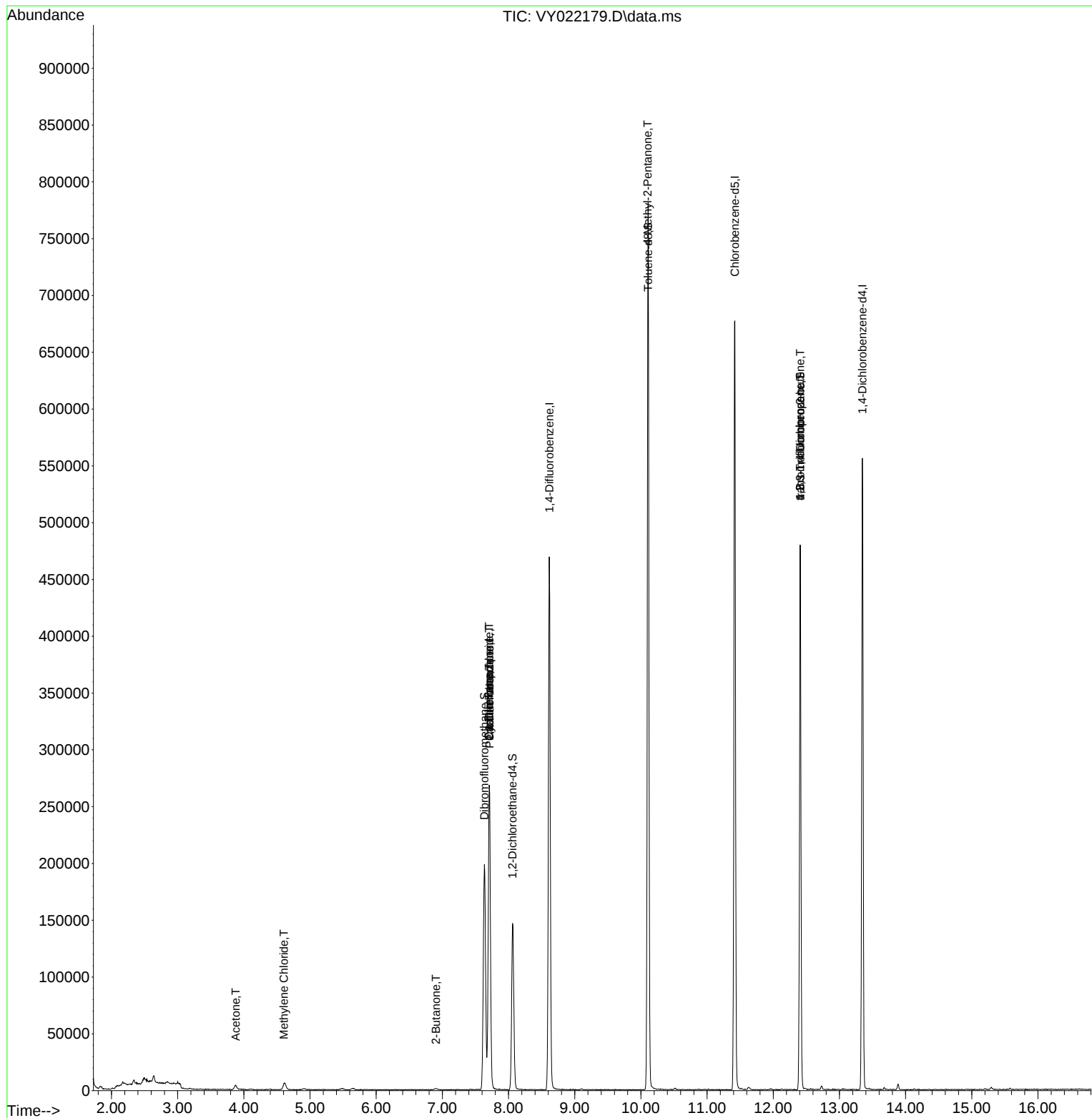
Internal Standards						
1) Pentafluorobenzene	7.713	168	207662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	411907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	379446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117452	61.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.460%	
35) Dibromofluoromethane	7.634	113	143206	52.625	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.240%	
50) Toluene-d8	10.109	98	512009	49.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.820%	
62) 4-Bromofluorobenzene	12.408	95	142440	41.243	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.480%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	6376	4.413	ug/l #	87
20) Methylene Chloride	4.604	84	4547	1.875	ug/l	94
25) 2-Butanone	6.902	43	1227	2.806	ug/l #	86
31) Cyclohexane	7.707	56	4356	1.374	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	16582	4.536	ug/l #	47
38) Carbon Tetrachloride	7.707	117	20515	4.697	ug/l #	19
51) 4-Methyl-2-Pentanone	10.103	43	2165	1.638	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	70897	57.790	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	70897	139.166	ug/l #	16

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

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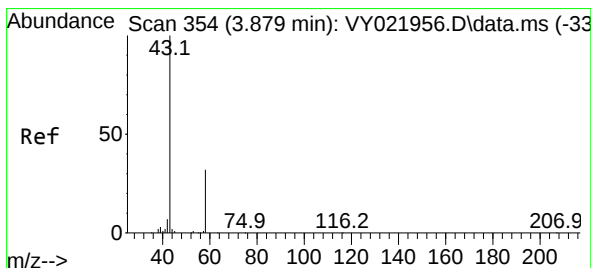
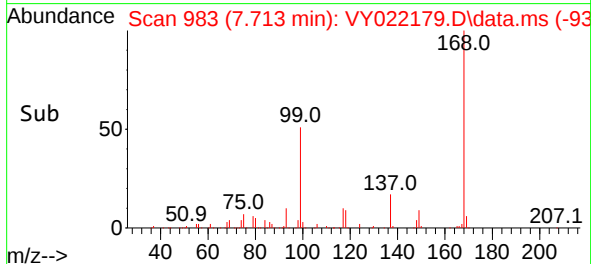
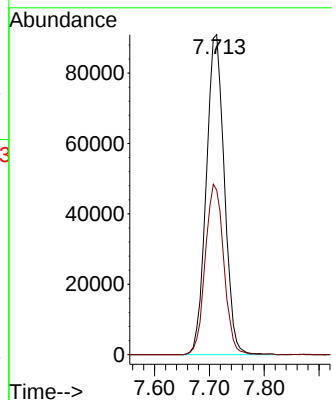
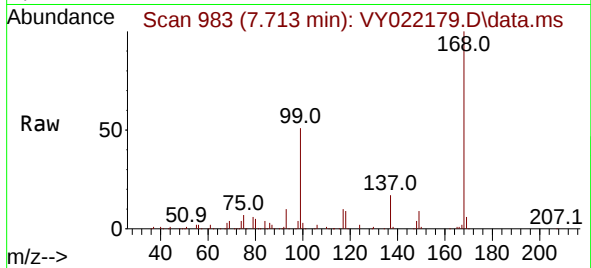




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

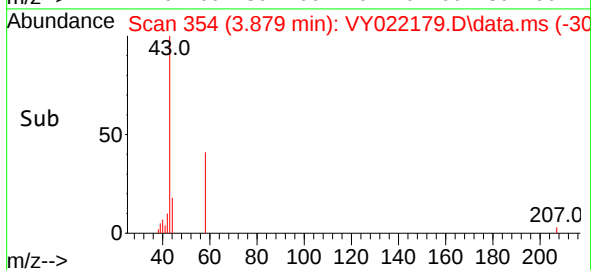
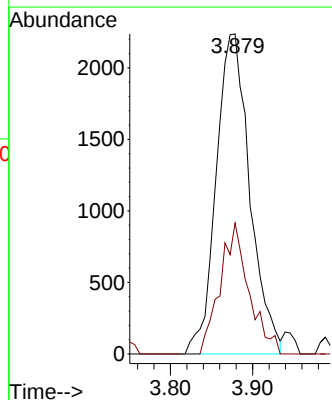
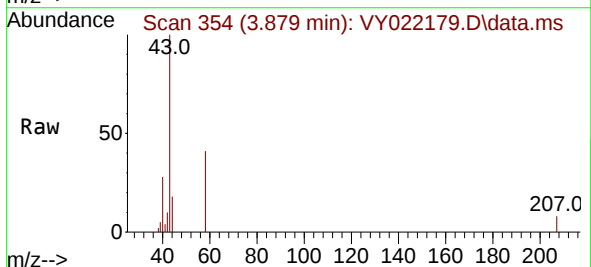
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC

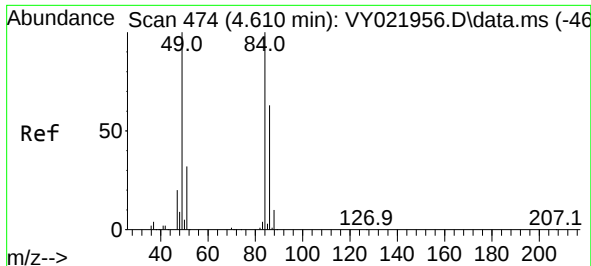
Tgt Ion:168 Resp: 207662
Ion Ratio Lower Upper
168 100
99 51.4 43.1 64.7



#16
Acetone
Concen: 4.413 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

Tgt Ion: 43 Resp: 6376
Ion Ratio Lower Upper
43 100
58 40.9 27.0 40.4#

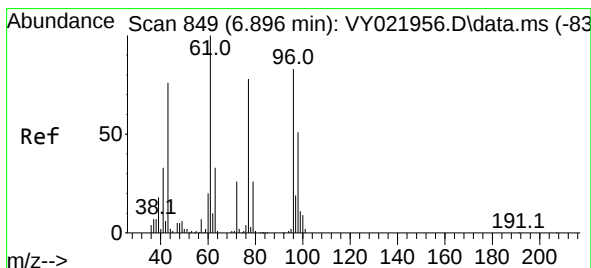
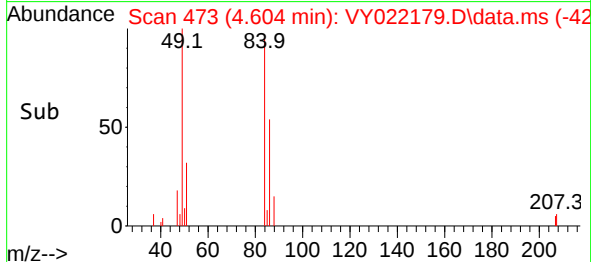
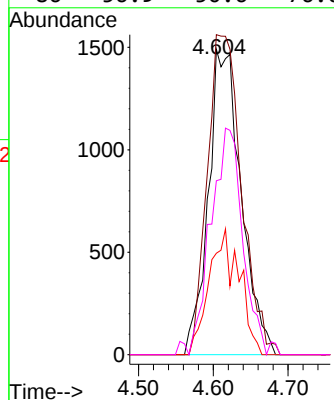
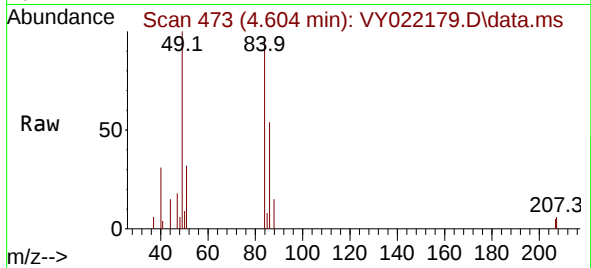




#20
Methylene Chloride
Concen: 1.875 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

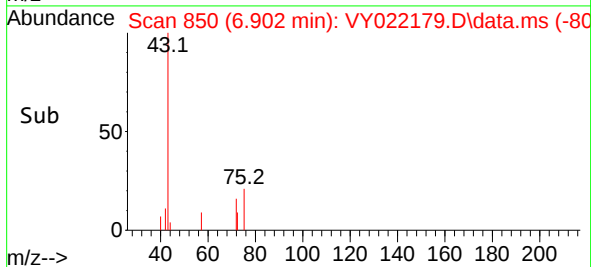
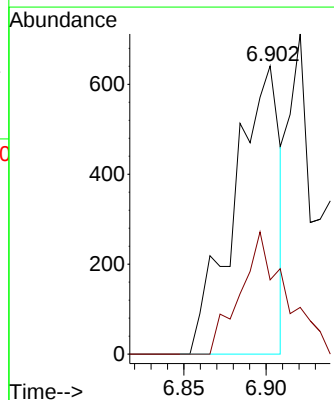
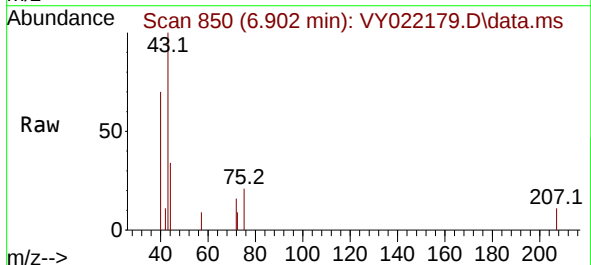
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC

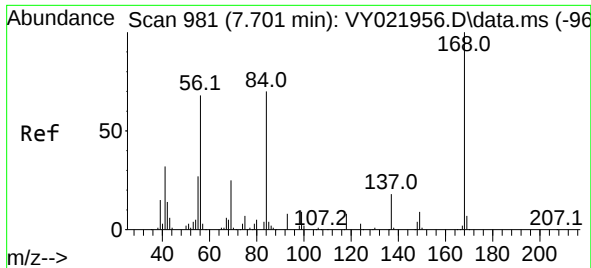
Tgt Ion:	84	Resp:	4547
Ion	Ratio	Lower	Upper
84	100		
49	104.8	79.9	119.9
51	33.2	25.4	38.0
86	56.9	50.6	76.0



#25
2-Butanone
Concen: 2.806 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

Tgt Ion:	43	Resp:	1227
Ion	Ratio	Lower	Upper
43	100		
72	25.7	27.0	40.4#

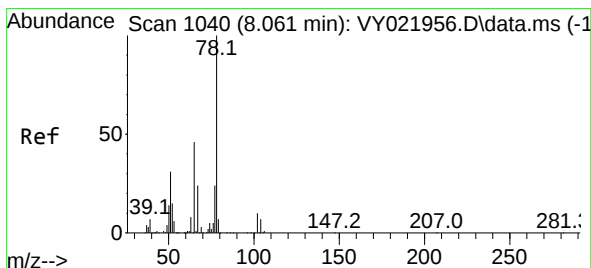
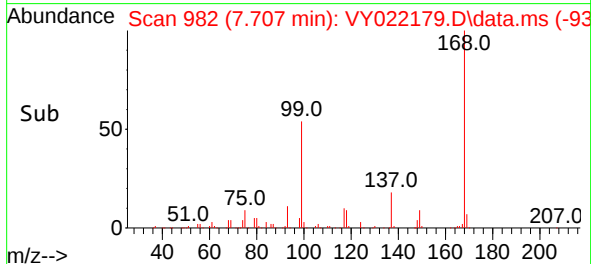
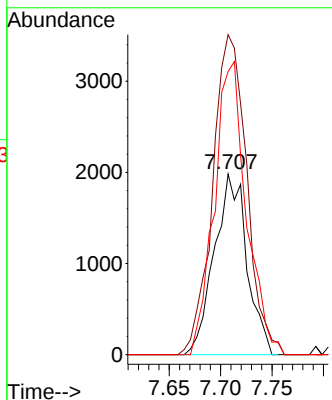
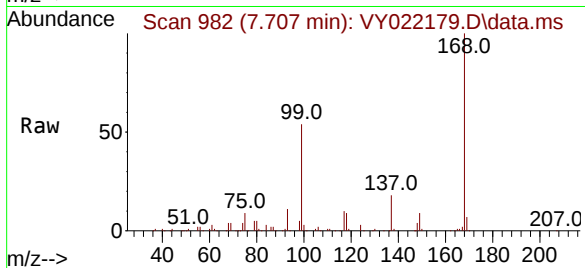




#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

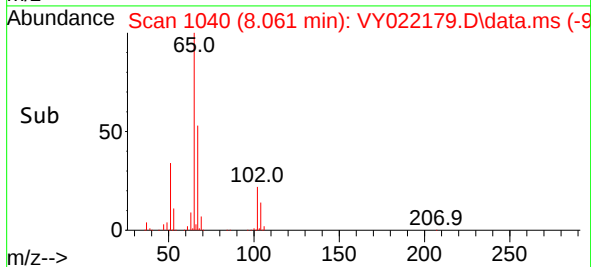
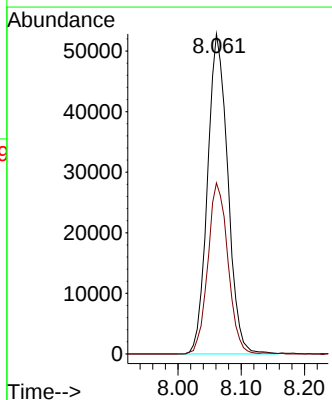
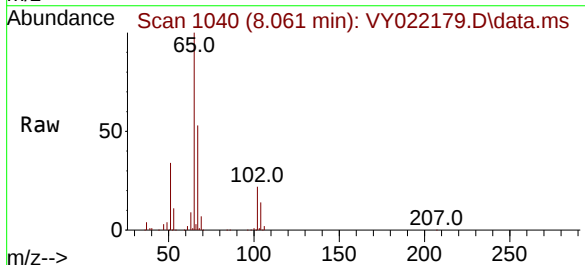
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC

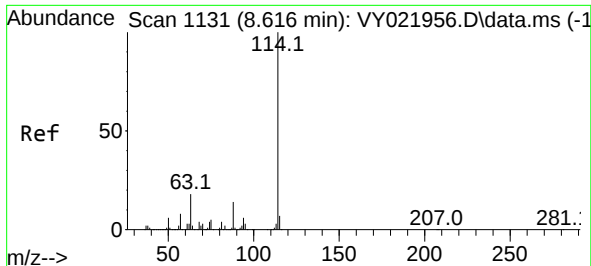
Tgt Ion: 56 Resp: 4356
Ion Ratio Lower Upper
56 100
69 177.2 29.4 44.2#
84 156.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 61.232 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

Tgt Ion: 65 Resp: 117452
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

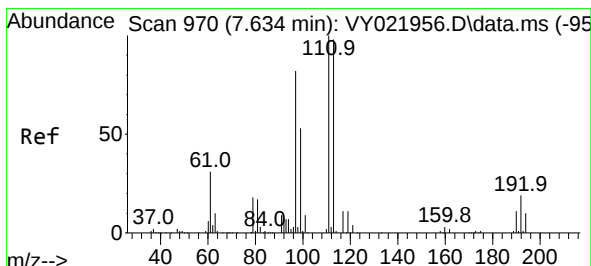
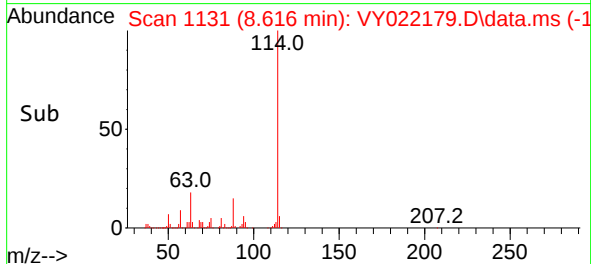
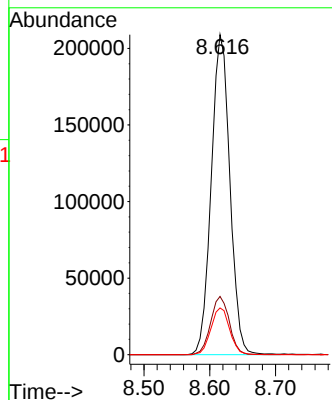
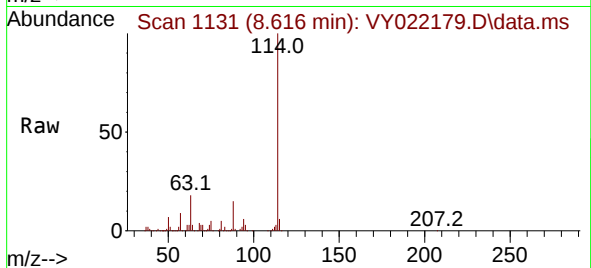




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

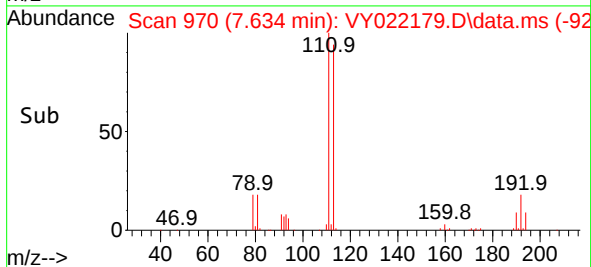
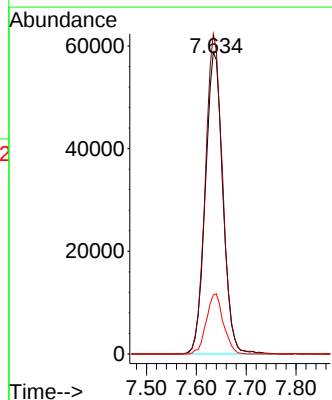
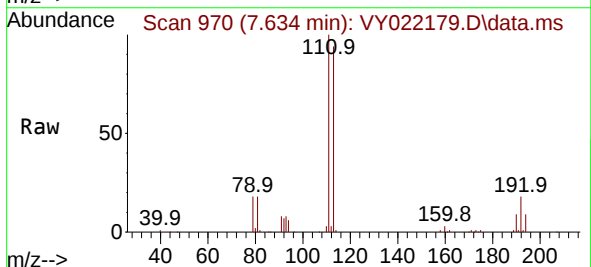
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC

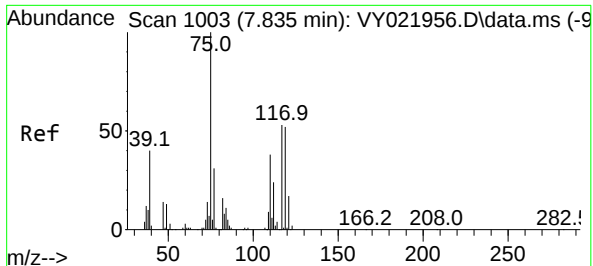
Tgt Ion:114 Resp: 411907
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.4
88 14.6 0.0 28.2



#35
Dibromofluoromethane
Concen: 52.625 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

Tgt Ion:113 Resp: 143206
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.8
192 19.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.536 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022179.D

Acq: 06 May 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

MH-LL-VOC

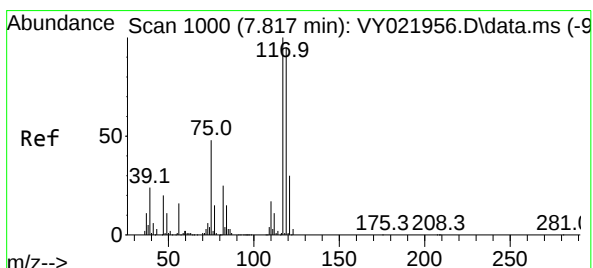
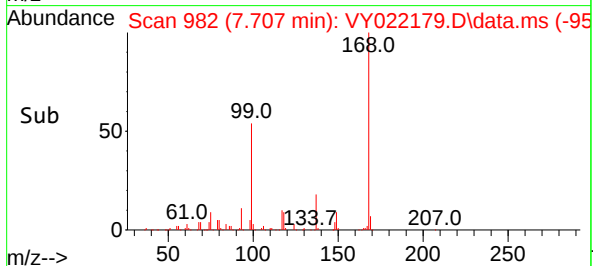
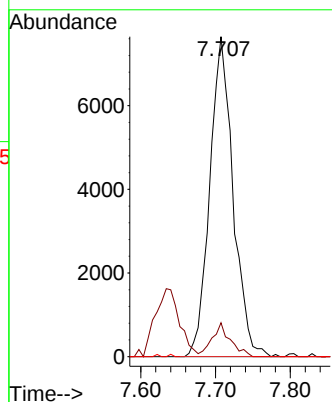
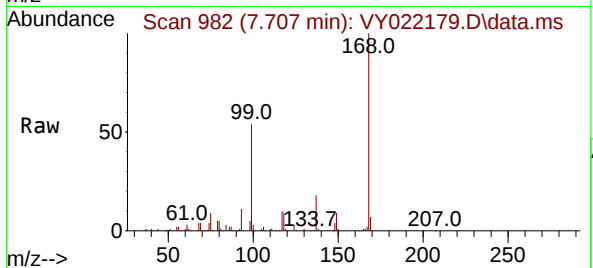
Tgt Ion: 75 Resp: 16582

Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.697 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022179.D

Acq: 06 May 2025 13:26

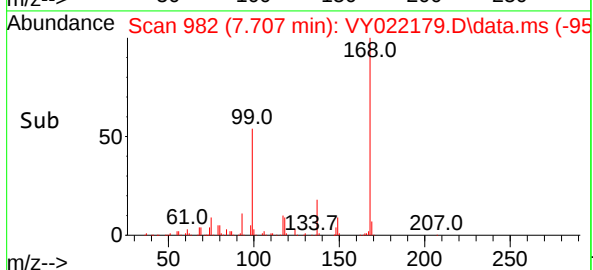
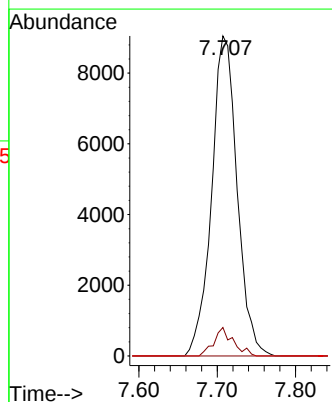
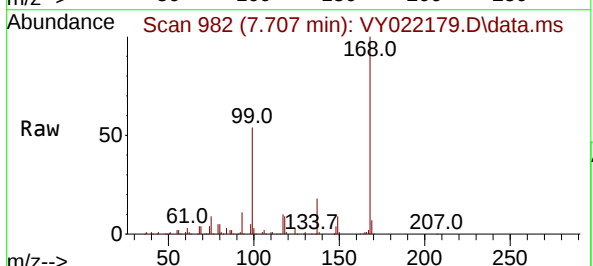
Tgt Ion: 117 Resp: 20515

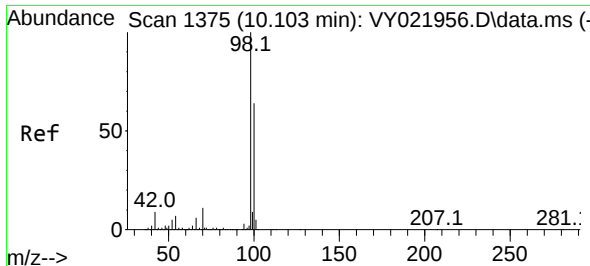
Ion Ratio Lower Upper

117 100

119 8.9 76.2 114.4#

121 0.0 24.0 36.0#

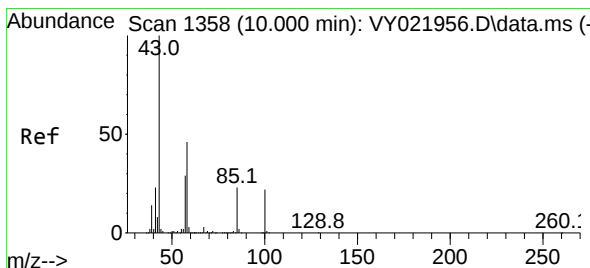
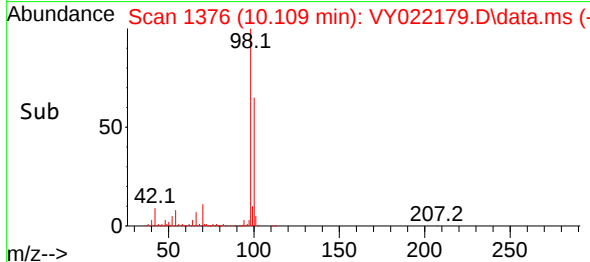
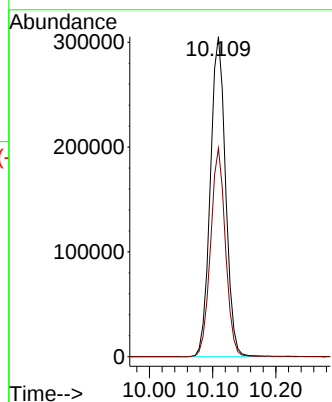
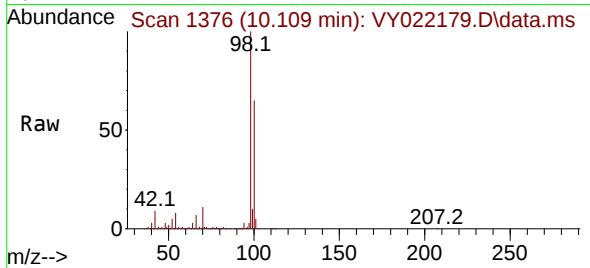




#50
Toluene-d8
Concen: 49.907 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

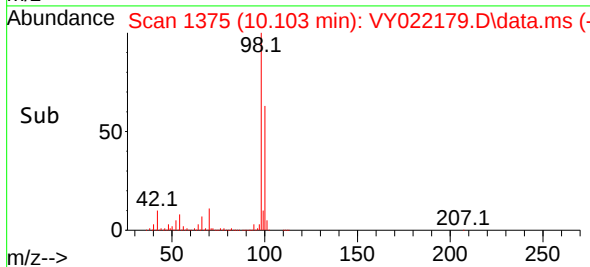
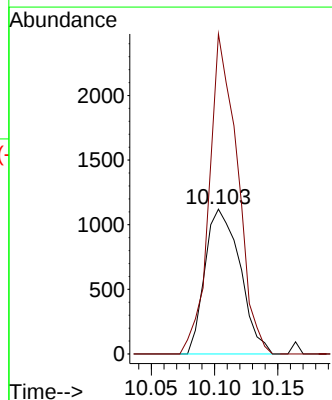
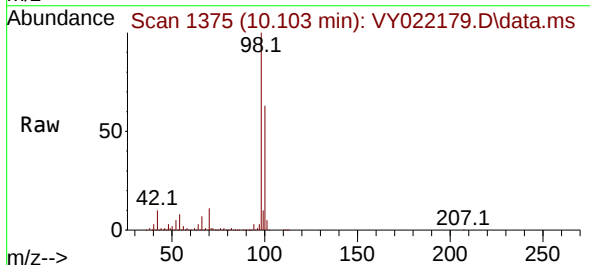
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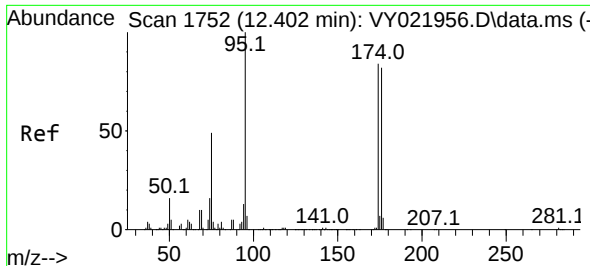
Tgt Ion: 98 Resp: 512009
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.638 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
58 177.7 36.6 55.0#

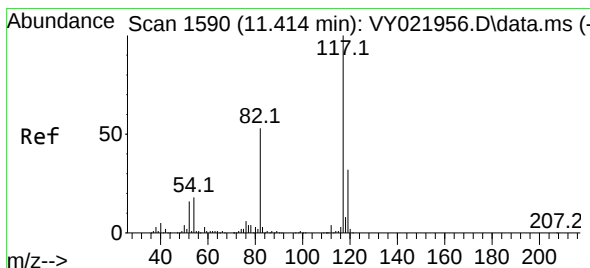
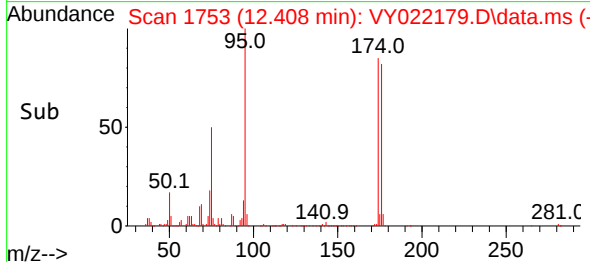
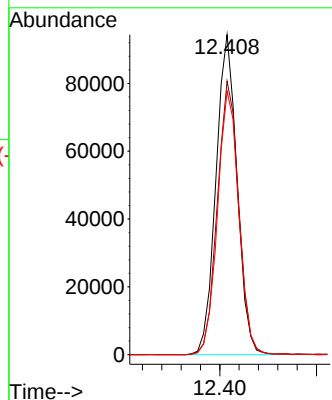
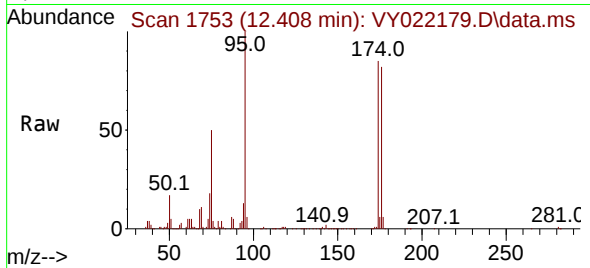




#62
4-Bromofluorobenzene
Concen: 41.243 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

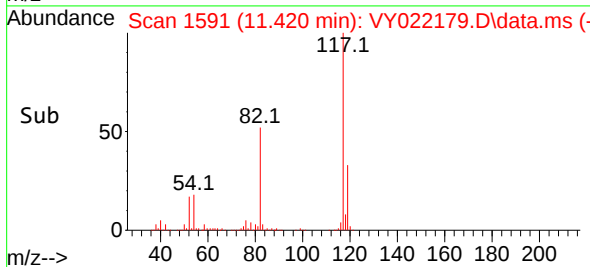
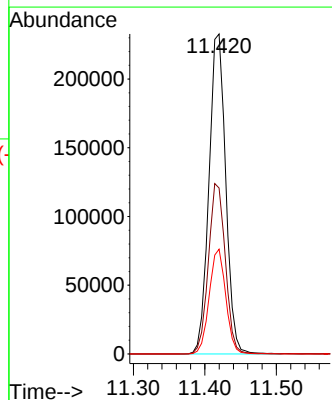
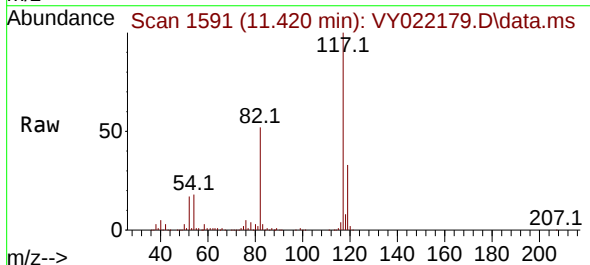
Instrument :
MSVOA_Y
ClientSampleId :
MH-LL-VOC

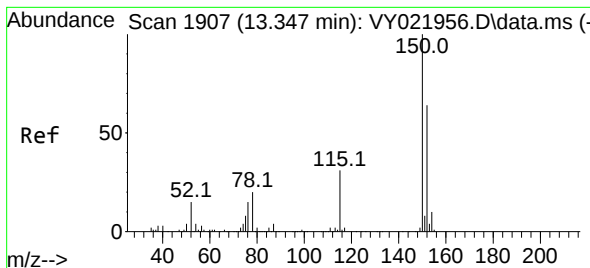
Tgt Ion: 95 Resp: 142440
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 83.5 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022179.D
Acq: 06 May 2025 13:26

Tgt Ion: 117 Resp: 379446
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 32.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022179.D

Acq: 06 May 2025 13:26

Instrument :

MSVOA_Y

ClientSampleId :

MH-LL-VOC

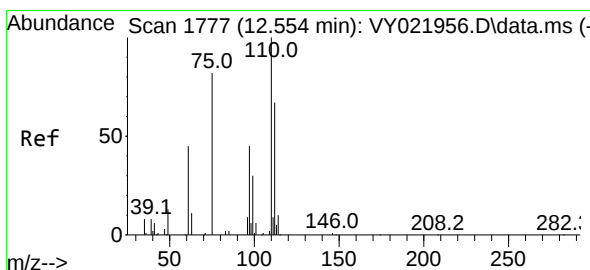
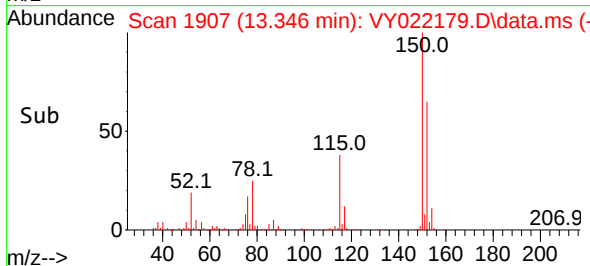
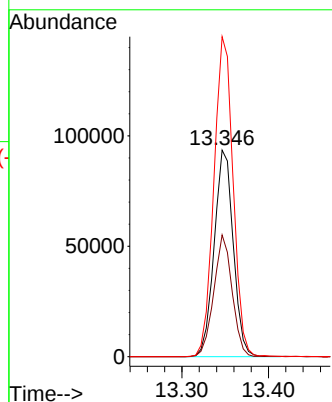
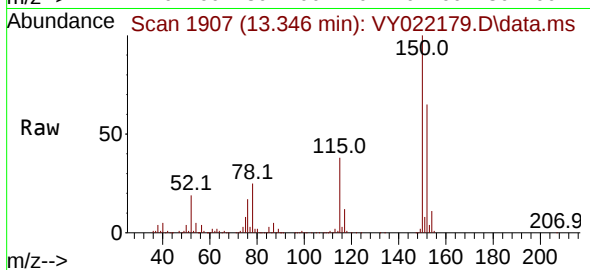
Tgt Ion:152 Resp: 143227

Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

150 155.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 57.790 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022179.D

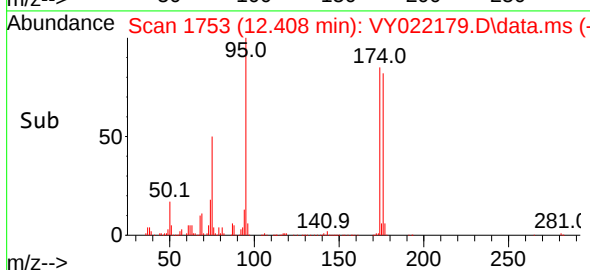
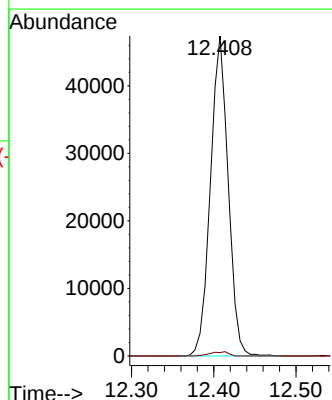
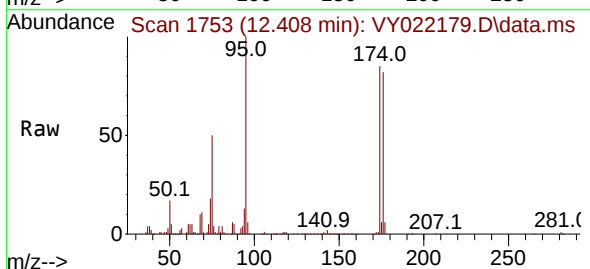
Acq: 06 May 2025 13:26

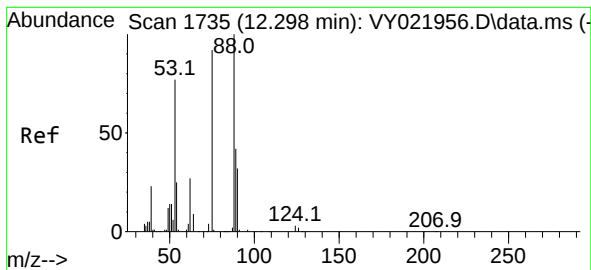
Tgt Ion: 75 Resp: 70897

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.166 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022179.D
 Acq: 06 May 2025 13:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-LL-VOC

Tgt Ion: 75 Resp: 70897
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.0 99.0#
 89 0.1 37.2 55.8#

