

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022153.D
 Acq On : 05 May 2025 12:47
 Operator : SY/MD
 Sample : Q1947-03
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-P-VOC

Quant Time: May 06 05:21:05 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)

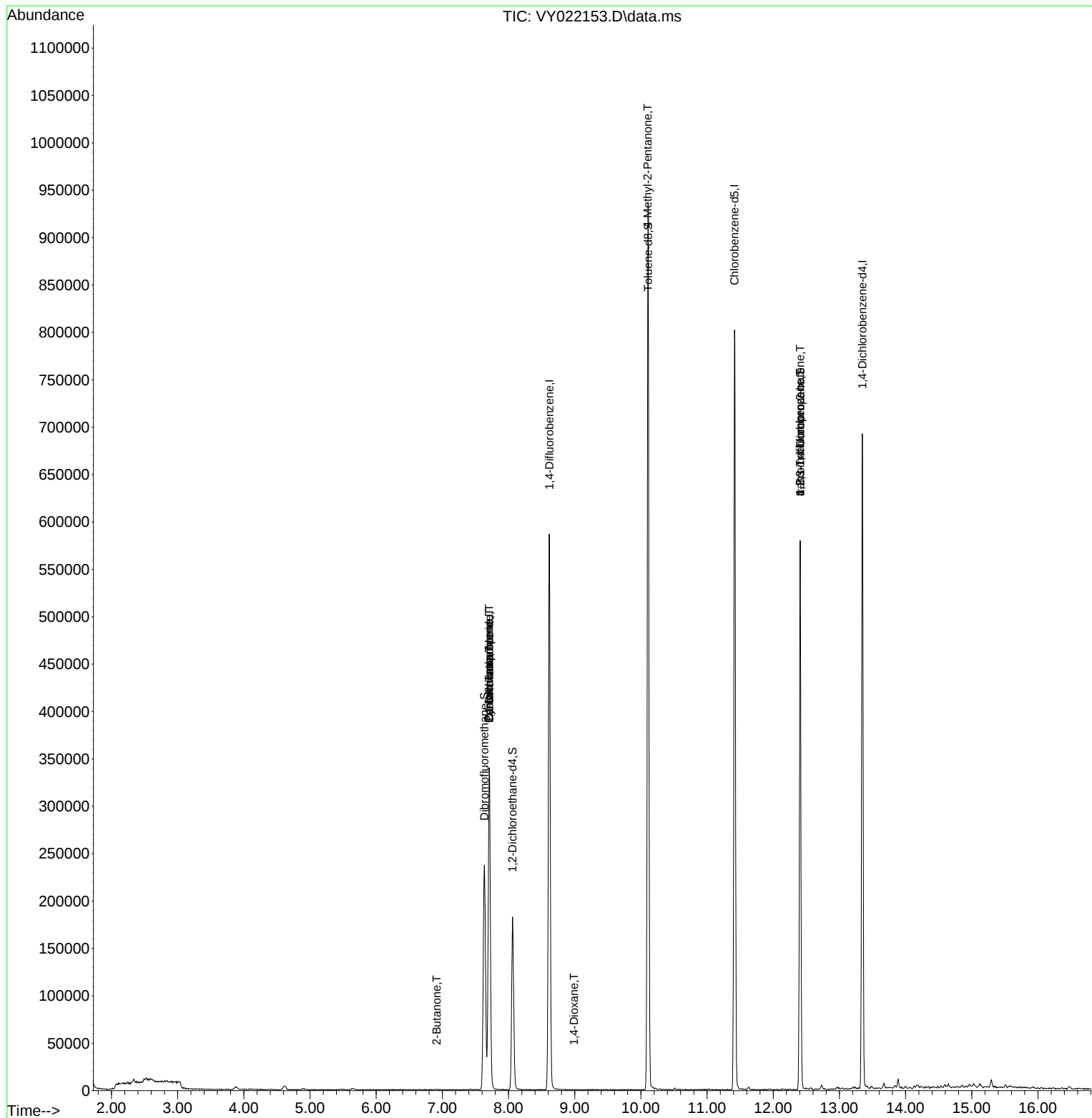
Internal Standards						
1) Pentafluorobenzene	7.707	168	261807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	510221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	447557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	140208	57.979	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.960%
35) Dibromofluoromethane	7.634	113	172512	51.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.360%
50) Toluene-d8	10.109	98	611443	48.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.408	95	174223	40.725	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.460%
Target Compounds						
16) Acetone	3.873	43	5417	Below Cal	#	88
25) 2-Butanone	6.915	43	894	1.622	ug/l #	41
31) Cyclohexane	7.707	56	4680	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	19740	4.360	ug/l #	48
38) Carbon Tetrachloride	7.707	117	25831	4.774	ug/l #	16
49) 1,4-Dioxane	8.987	88	22	1.053	ug/l #	28
51) 4-Methyl-2-Pentanone	10.103	43	2414	1.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	85429	56.622	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	85429	136.353	ug/l #	16

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

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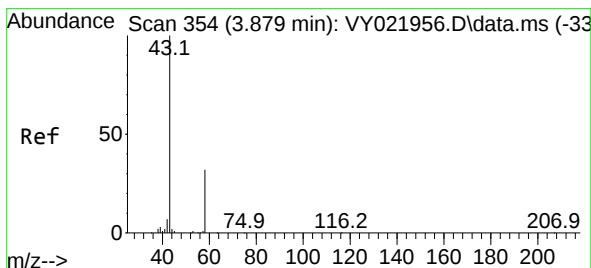
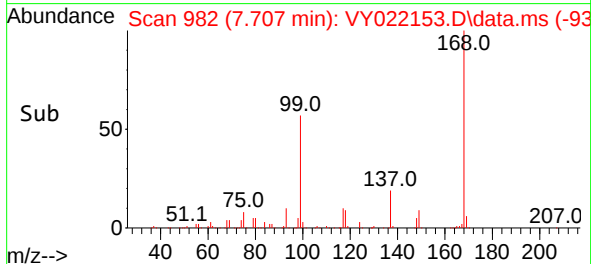
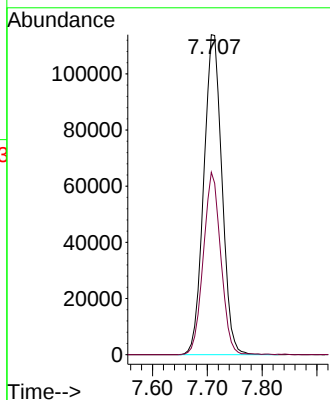
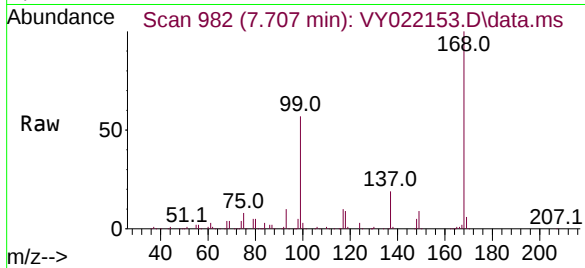




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

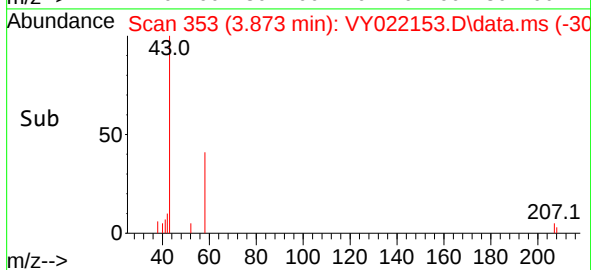
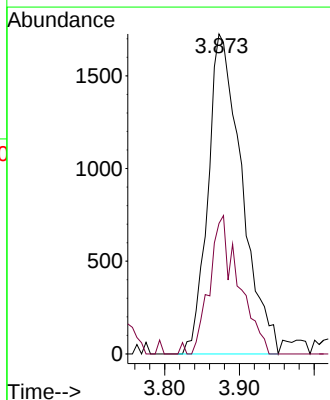
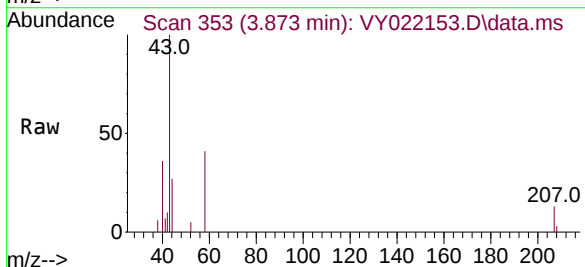
Instrument :
MSVOA_Y
ClientSampleId :
MH-P-VOC

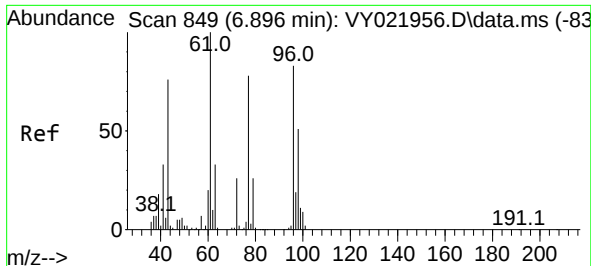
Tgt Ion:168 Resp: 261807
Ion Ratio Lower Upper
168 100
99 57.0 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

Tgt Ion: 43 Resp: 5417
Ion Ratio Lower Upper
43 100
58 40.8 27.0 40.4#

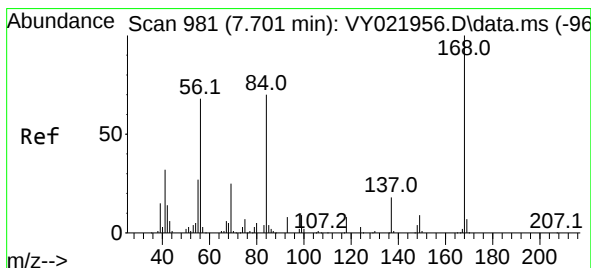
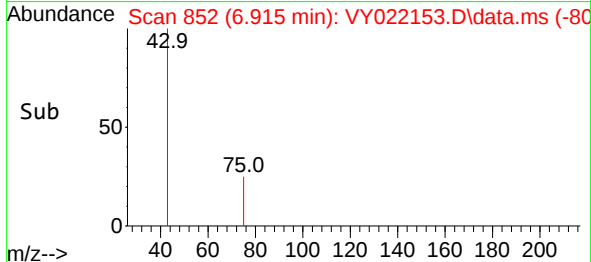
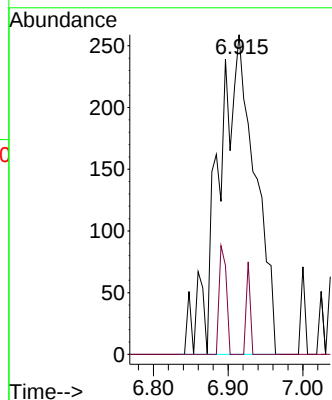
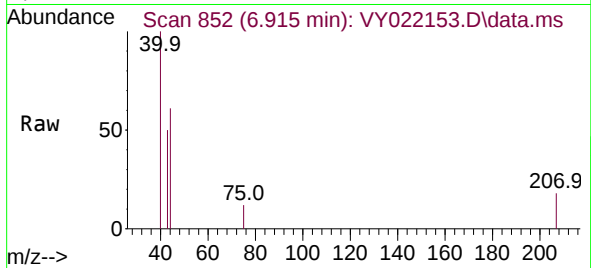




#25
2-Butanone
Concen: 1.622 ug/l
RT: 6.915 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

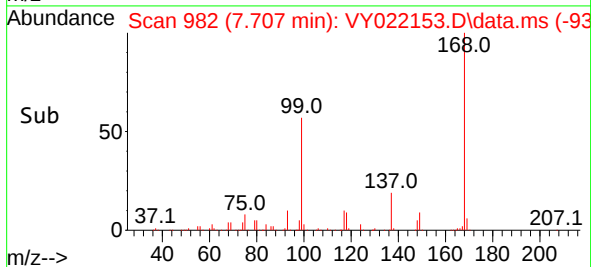
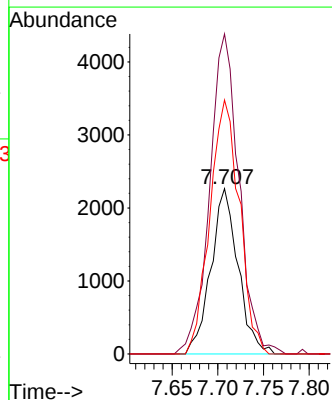
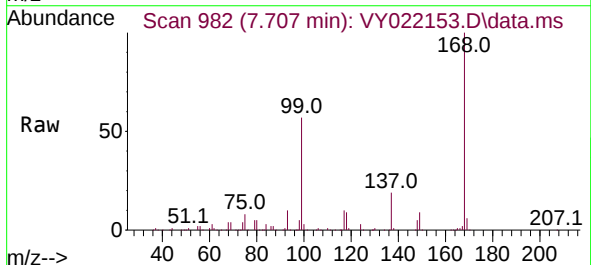
Instrument :
MSVOA_Y
ClientSampleId :
MH-P-VOC

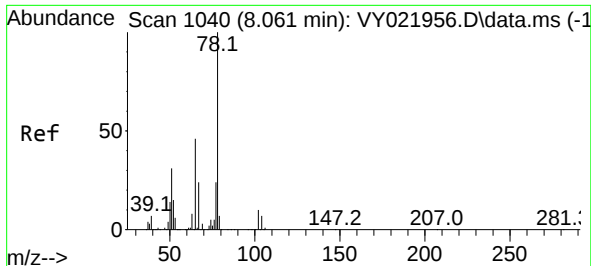
Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
72 0.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

Tgt Ion: 56 Resp: 4680
Ion Ratio Lower Upper
56 100
69 191.3 29.4 44.2#
84 153.6 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 57.979 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022153.D

Acq: 05 May 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

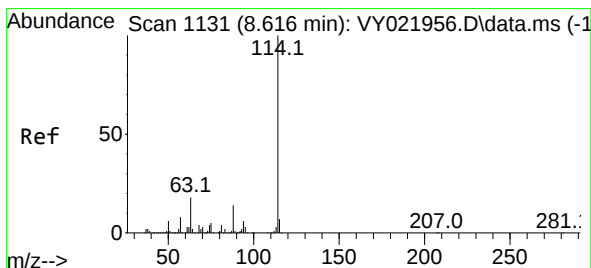
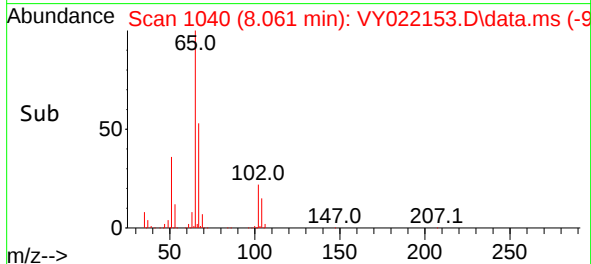
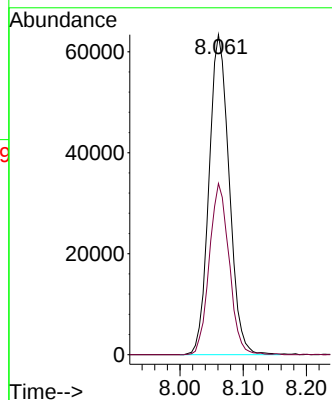
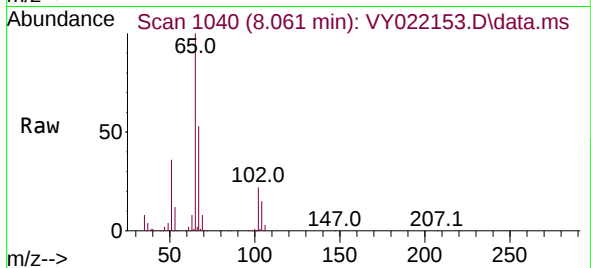
MH-P-VOC

Tgt Ion: 65 Resp: 140208

Ion Ratio Lower Upper

65 100

67 52.6 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: VY022153.D

Acq: 05 May 2025 12:47

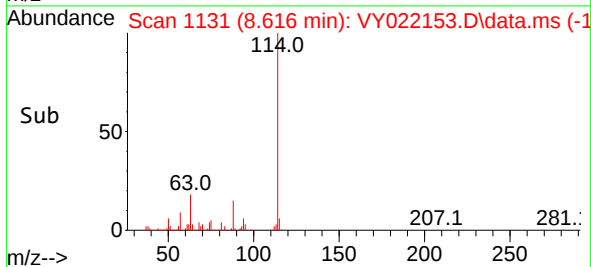
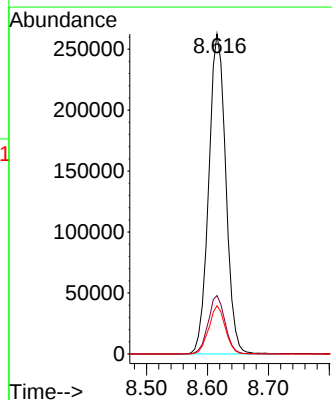
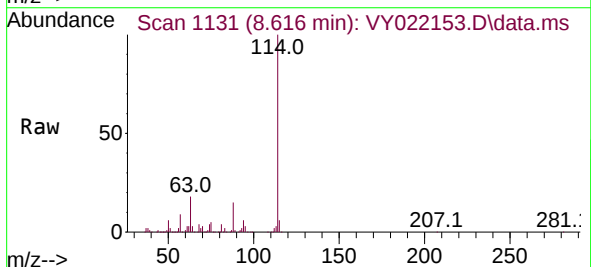
Tgt Ion: 114 Resp: 510221

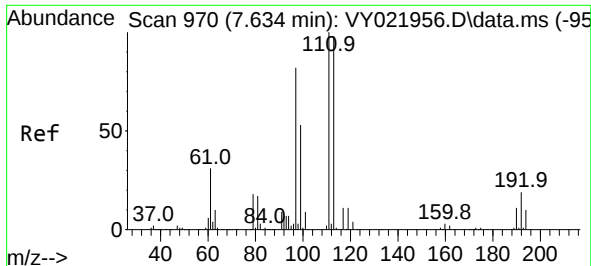
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.4

88 15.1 0.0 28.2

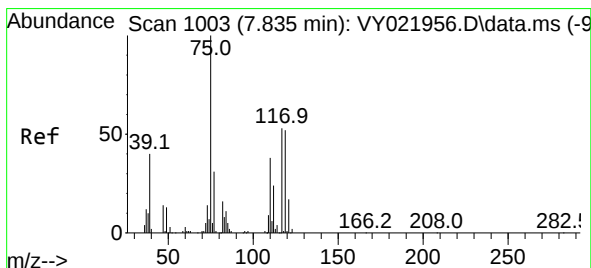
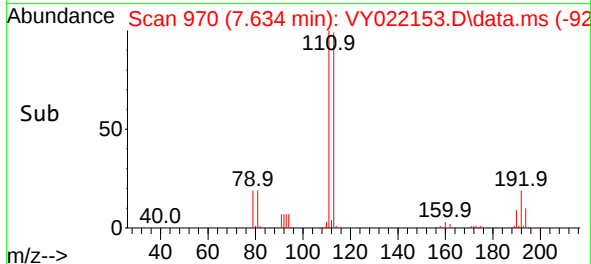
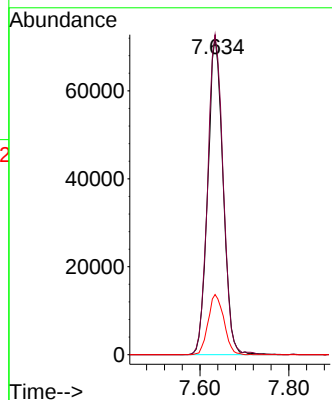
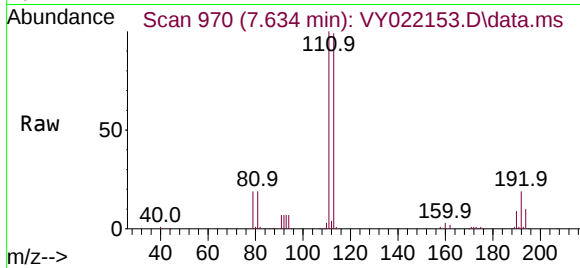




#35
Dibromofluoromethane
Concen: 51.178 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

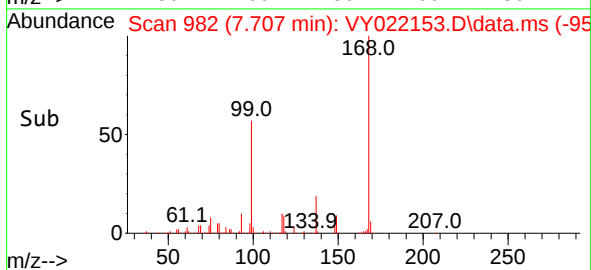
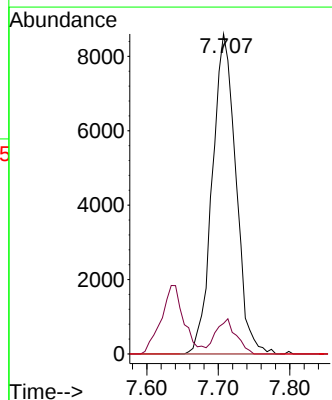
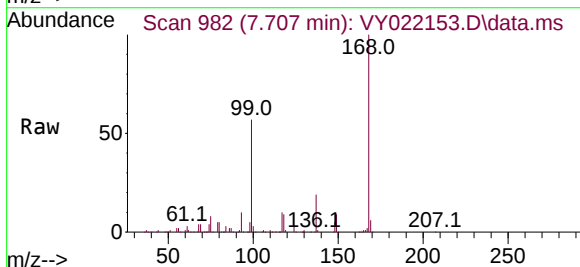
Instrument :
MSVOA_Y
ClientSampleId :
MH-P-VOC

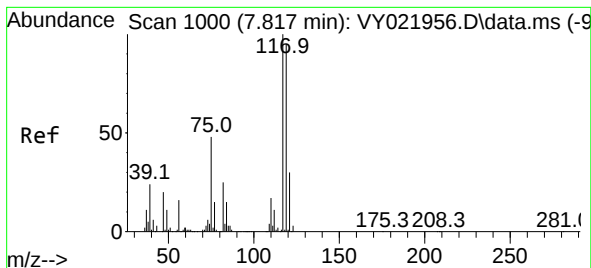
Tgt Ion:113 Resp: 172512
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 19.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.360 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

Tgt Ion: 75 Resp: 19740
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 4.774 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022153.D

Acq: 05 May 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

MH-P-VOC

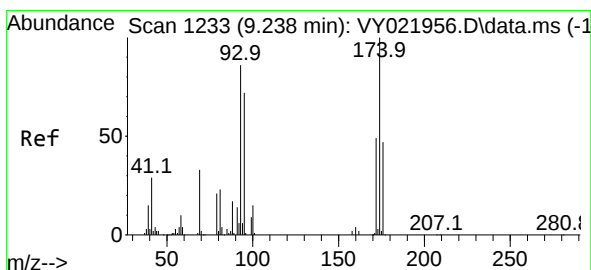
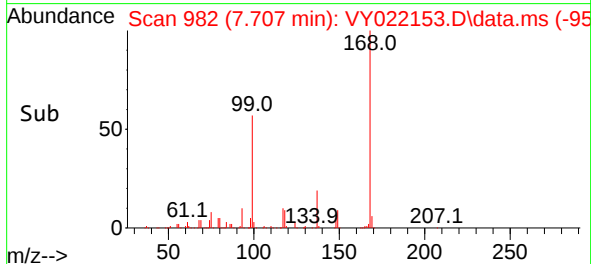
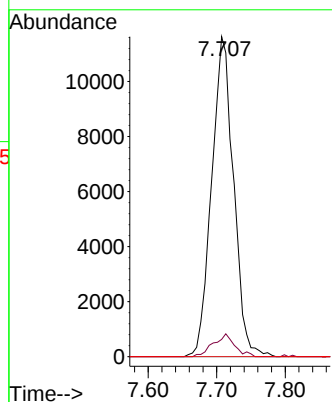
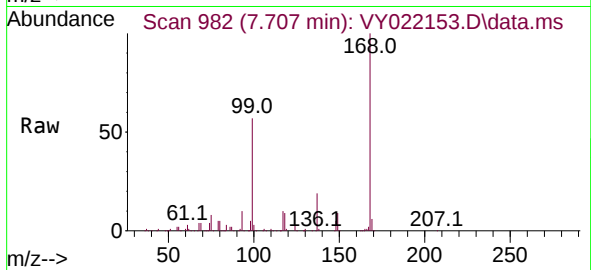
Tgt Ion:117 Resp: 25831

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.4#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: 1.053 ug/l

RT: 8.987 min Scan# 1192

Delta R.T. -0.250 min

Lab File: VY022153.D

Acq: 05 May 2025 12:47

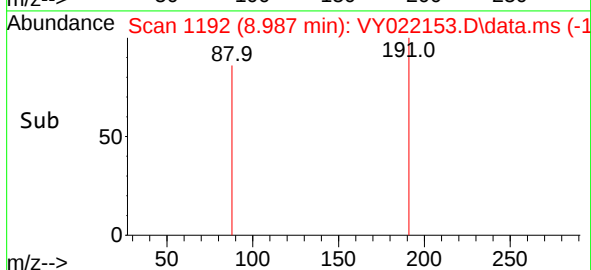
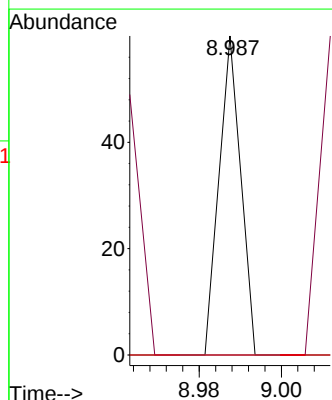
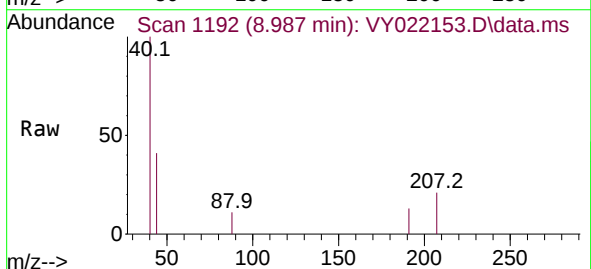
Tgt Ion: 88 Resp: 22

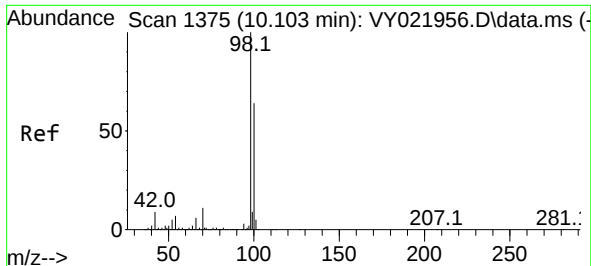
Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 0.0 50.5 75.7#

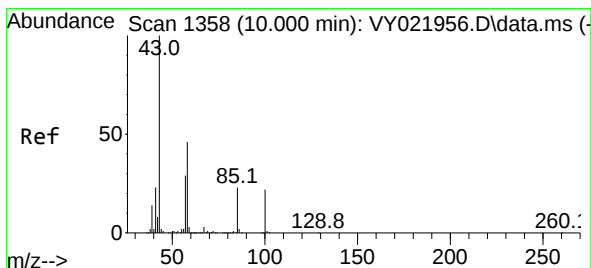
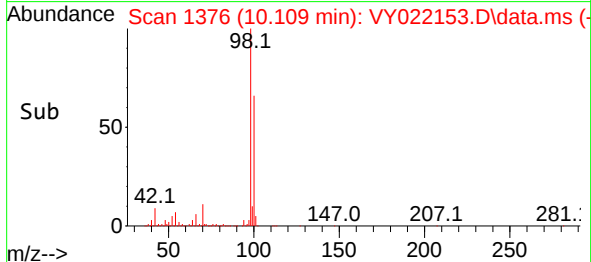
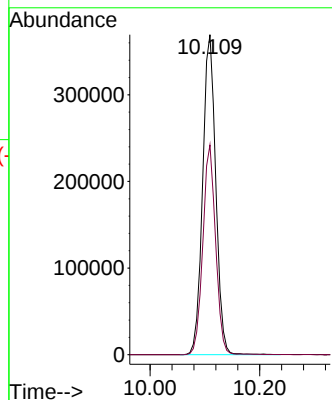
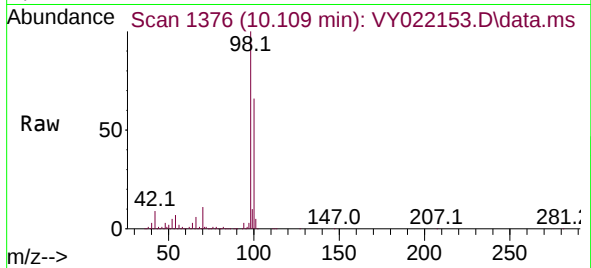




#50
Toluene-d8
Concen: 48.115 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

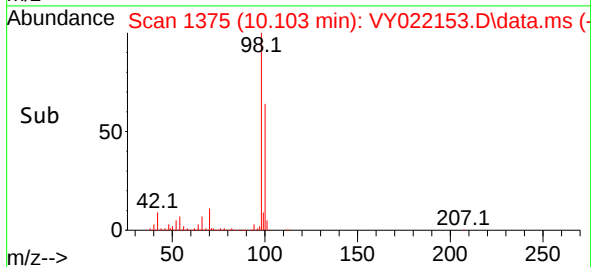
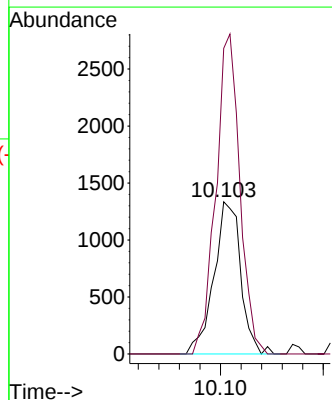
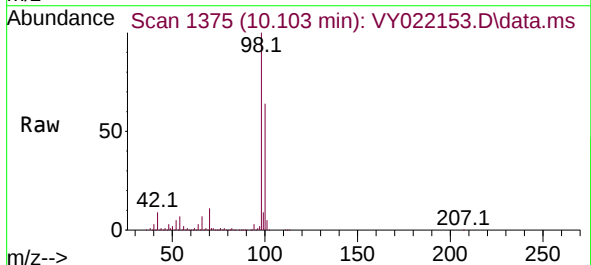
Instrument :
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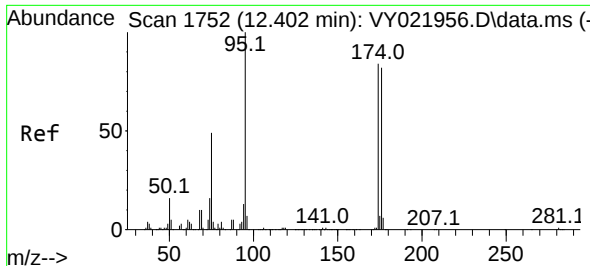
Tgt Ion: 98 Resp: 611443
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.475 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

Tgt Ion: 43 Resp: 2414
Ion Ratio Lower Upper
43 100
58 188.3 36.6 55.0#

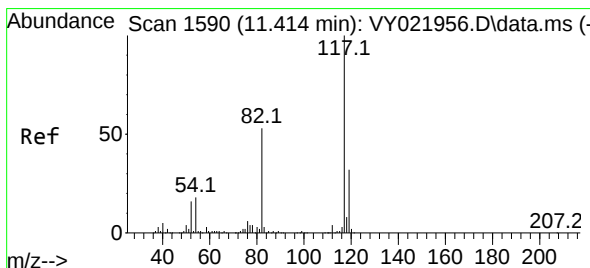
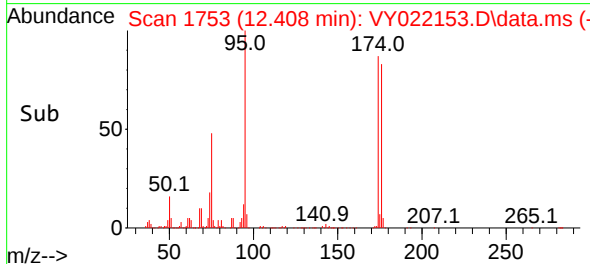
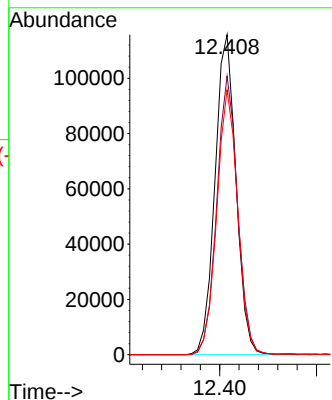
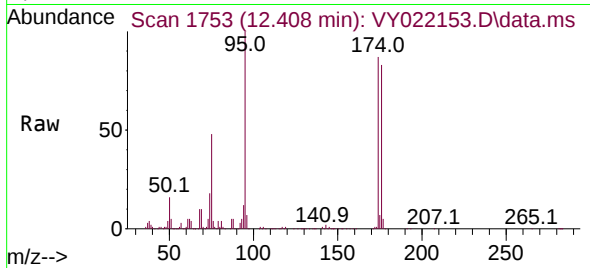




#62
4-Bromofluorobenzene
Concen: 40.725 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

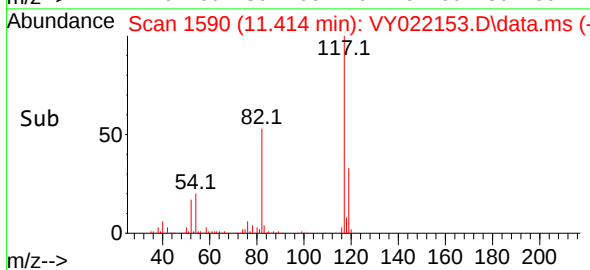
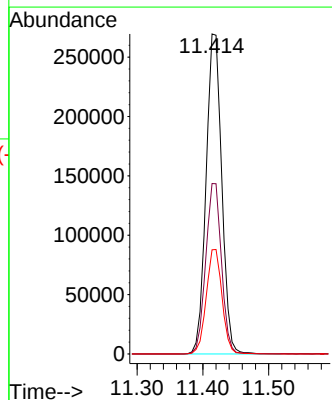
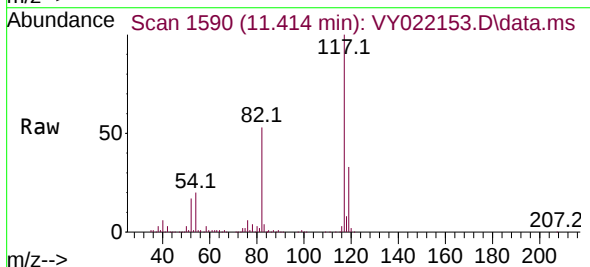
Instrument :
MSVOA_Y
ClientSampleId :
MH-P-VOC

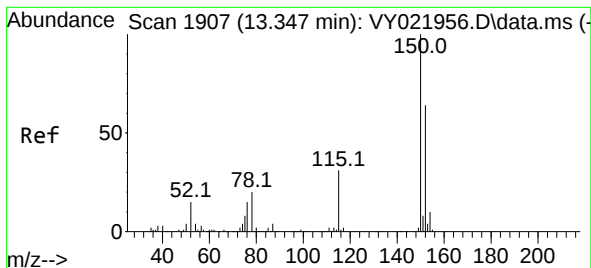
Tgt Ion: 95 Resp: 174223
Ion Ratio Lower Upper
95 100
174 86.4 0.0 179.0
176 82.6 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022153.D
Acq: 05 May 2025 12:47

Tgt Ion: 117 Resp: 447557
Ion Ratio Lower Upper
117 100
82 53.3 42.1 63.1
119 32.6 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: VY022153.D

Acq: 05 May 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

MH-P-VOC

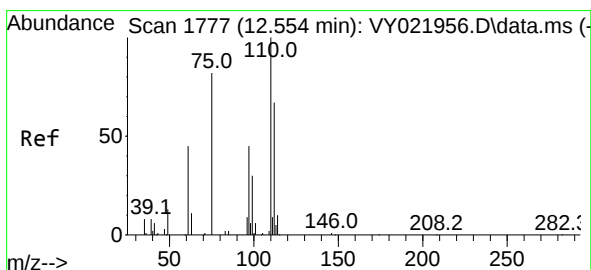
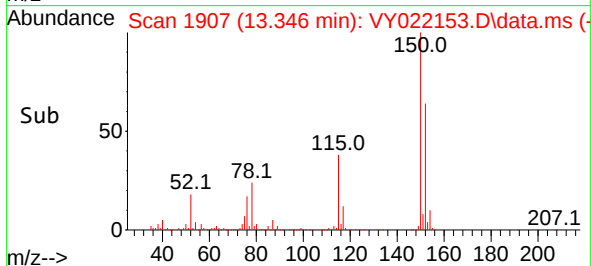
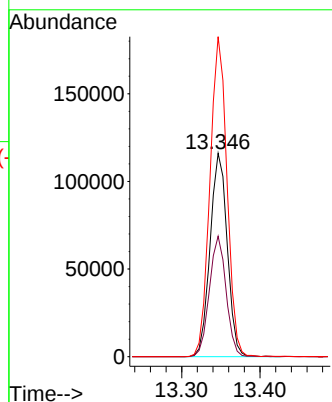
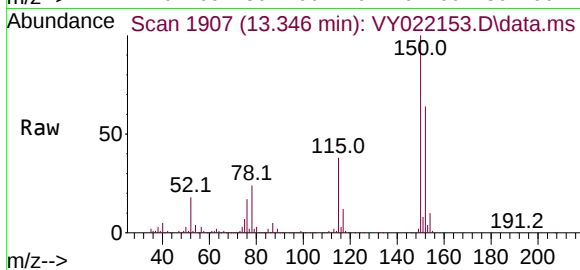
Tgt Ion:152 Resp: 176145

Ion Ratio Lower Upper

152 100

115 57.9 28.0 84.0

150 156.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.622 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022153.D

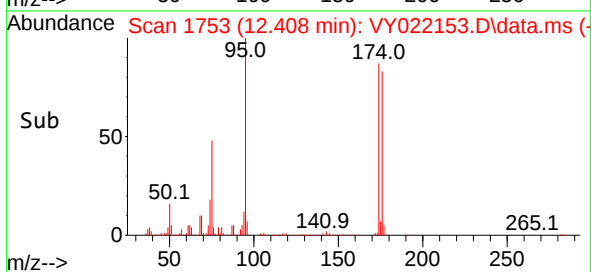
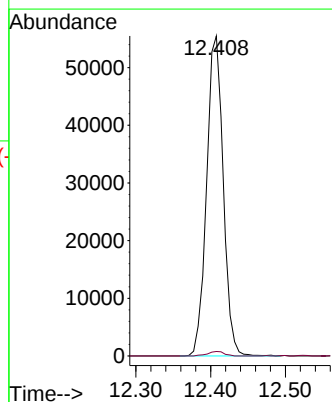
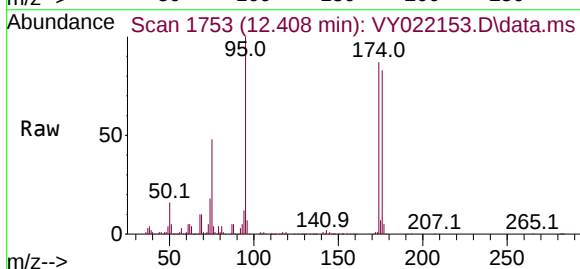
Acq: 05 May 2025 12:47

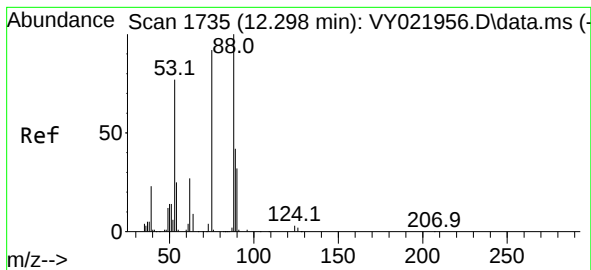
Tgt Ion: 75 Resp: 85429

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.353 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022153.D
 Acq: 05 May 2025 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-P-VOC

Tgt Ion: 75 Resp: 85429
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.2 37.2 55.8#

