

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022596.D
 Acq On : 06 Jun 2025 13:38
 Operator : SY/MD
 Sample : Q2208-20
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-08

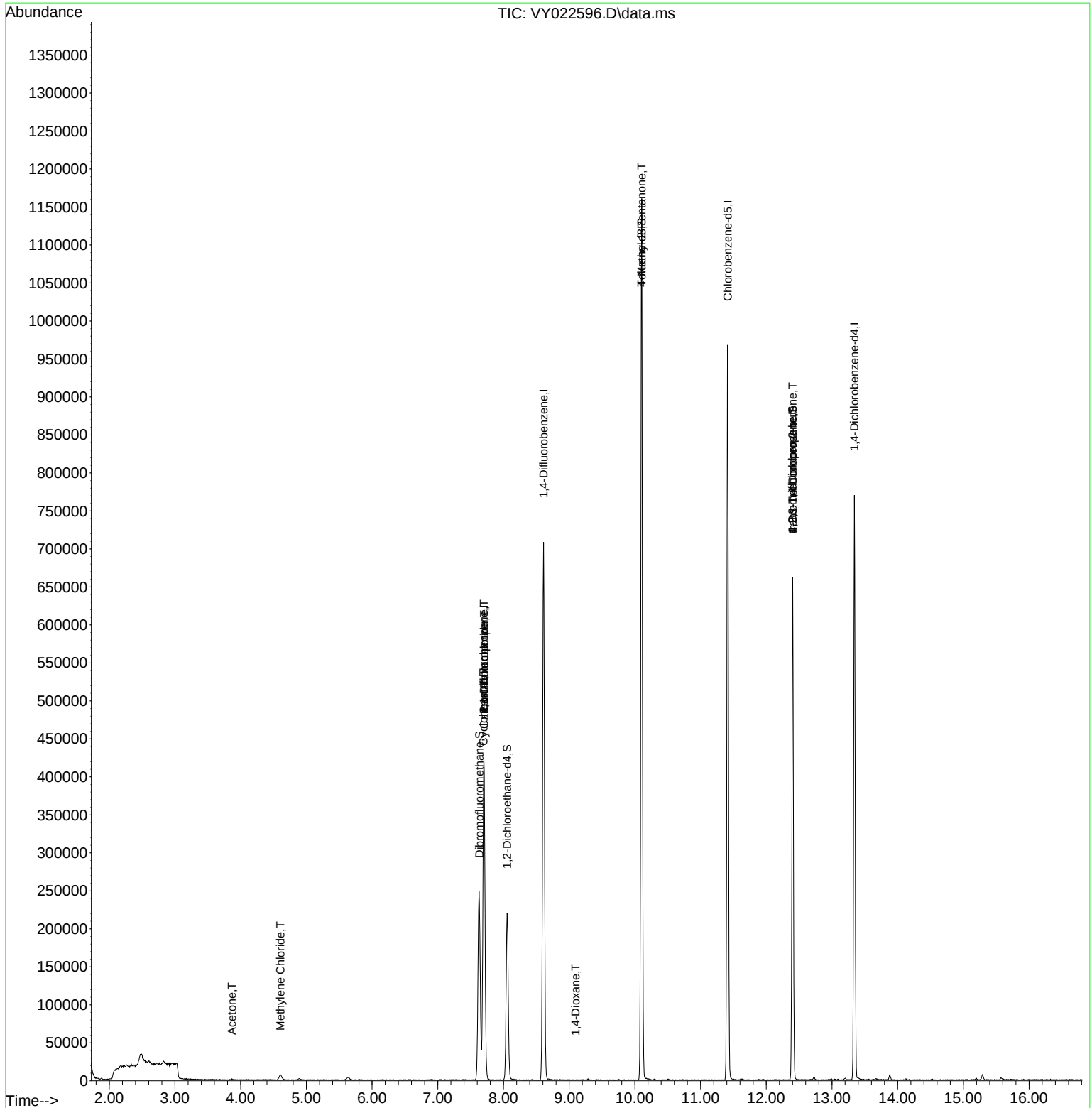
Quant Time: Jun 06 23:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	312070	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	576310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	471302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	176928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	168098	48.161	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.320%		
35) Dibromofluoromethane	7.634	113	172139	50.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.080%		
50) Toluene-d8	10.103	98	704407	50.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.360%		
62) 4-Bromofluorobenzene	12.401	95	174731	42.192	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.380%		
Target Compounds					Qvalue	
16) Acetone	3.866	43	963	1.359	ug/l #	71
20) Methylene Chloride	4.604	84	4211	1.046	ug/l #	93
31) Cyclohexane	7.695	56	9009	1.343	ug/l #	46
36) 1,1-Dichloropropene	7.701	75	27667	4.956	ug/l #	50
38) Carbon Tetrachloride	7.707	117	32445	5.665	ug/l #	16
49) 1,4-Dioxane	9.097	88	31	1.194	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	3739	1.395	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	104614	51.684	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	104614	124.813	ug/l #	10

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

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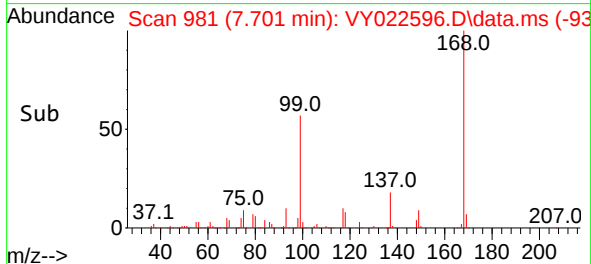
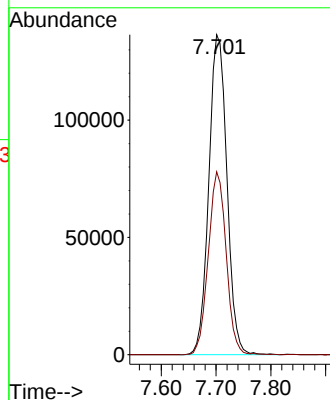
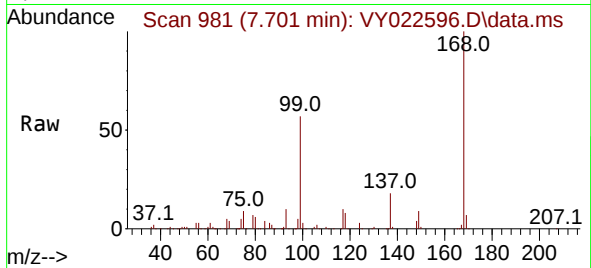




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022596.D
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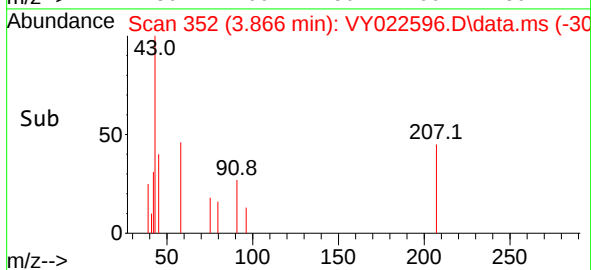
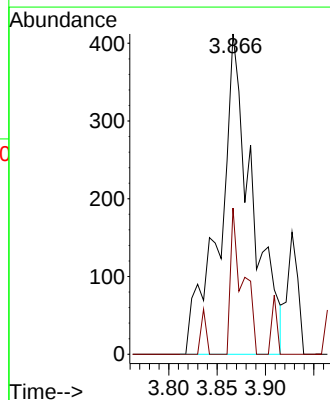
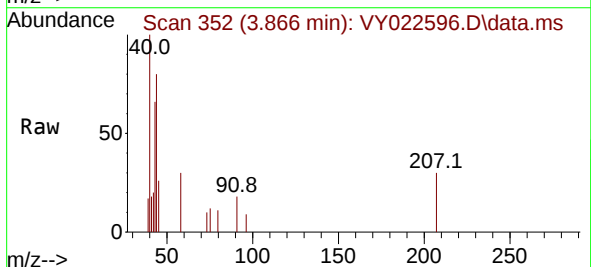
Instrument :
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BU-703-VOC-08

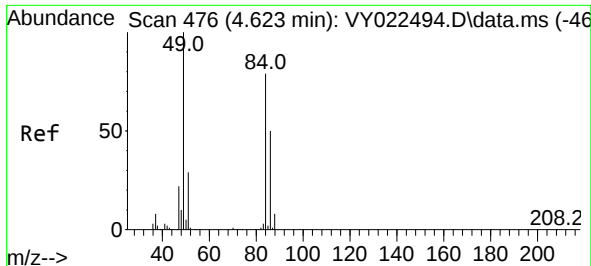
Tgt Ion:168 Resp: 312070
Ion Ratio Lower Upper
168 100
99 57.2 44.3 66.5



#16
Acetone
Concen: 1.359 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

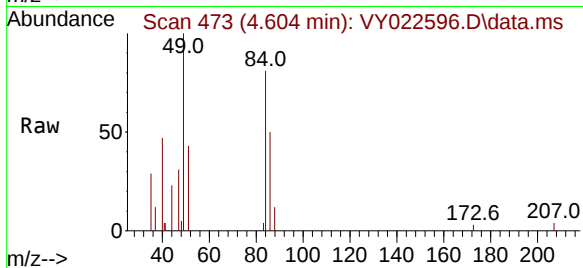
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 45.6 24.0 36.0#



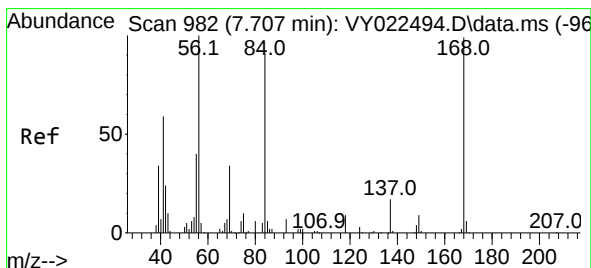
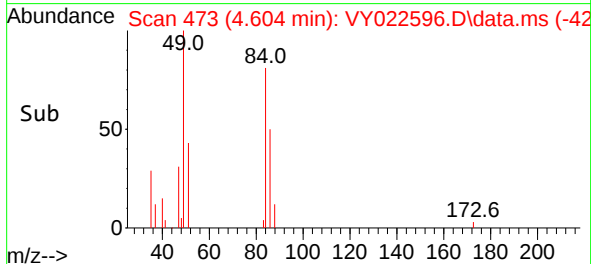
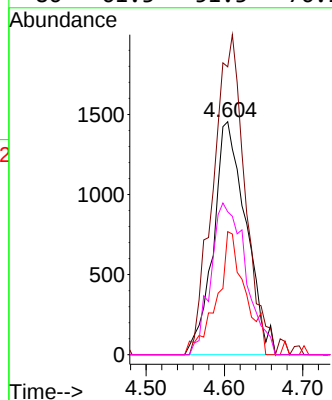


#20
Methylene Chloride
Concen: 1.046 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-08

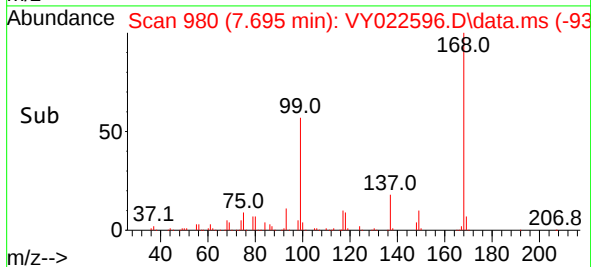
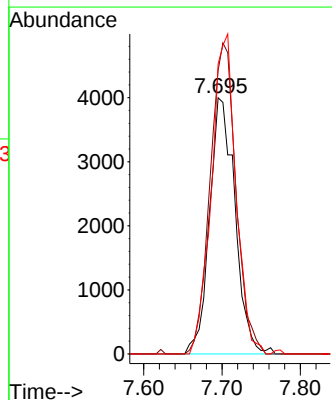
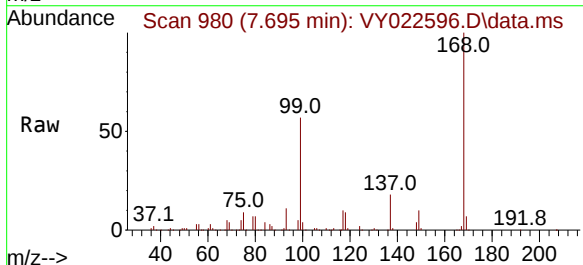


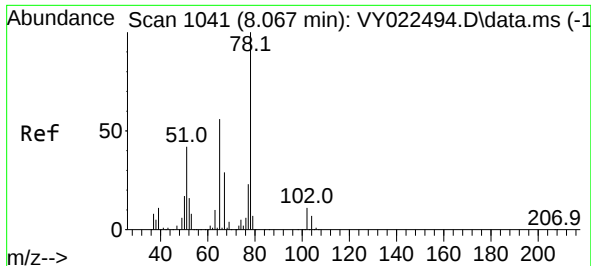
Tgt Ion:	84	Resp:	4211
Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.9	152.9
51	52.8	29.8	44.8#
86	61.3	51.3	76.9



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

Tgt Ion:	56	Resp:	9009
Ion	Ratio	Lower	Upper
56	100		
69	110.7	27.0	40.6#
84	113.2	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.161 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022596.D

Acq: 06 Jun 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

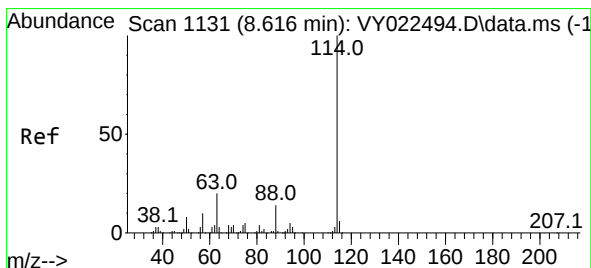
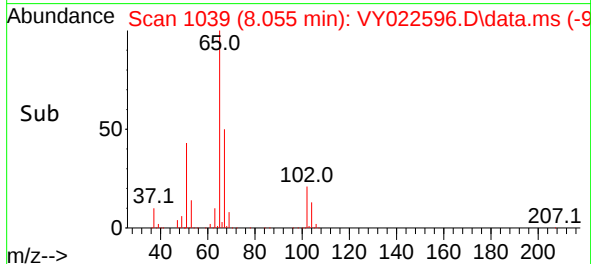
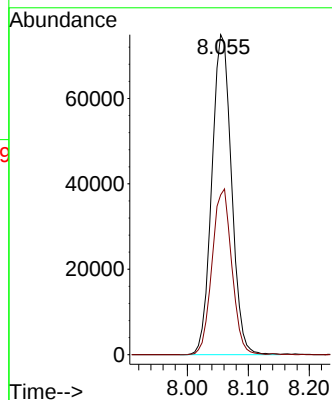
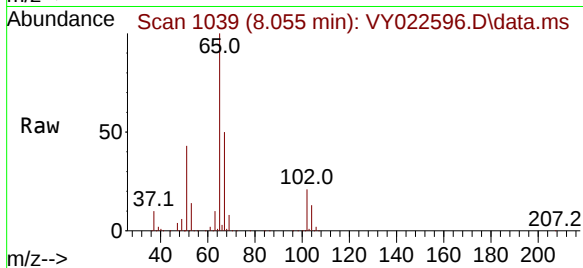
BU-703-VOC-08

Tgt Ion: 65 Resp: 168098

Ion Ratio Lower Upper

65 100

67 51.9 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: VY022596.D

Acq: 06 Jun 2025 13:38

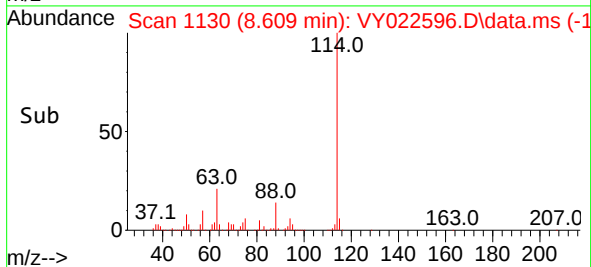
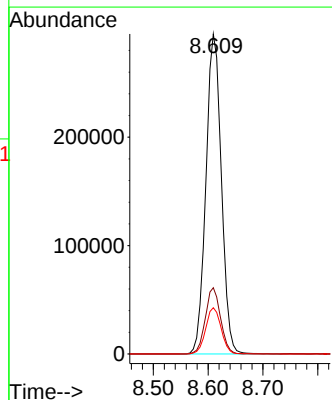
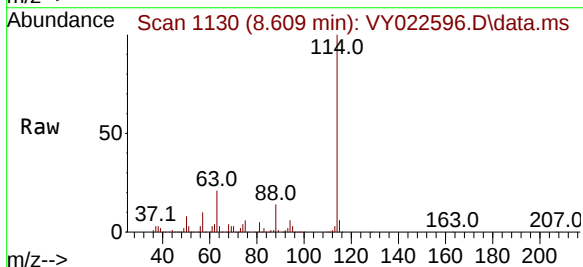
Tgt Ion: 114 Resp: 576310

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 14.4 0.0 27.8

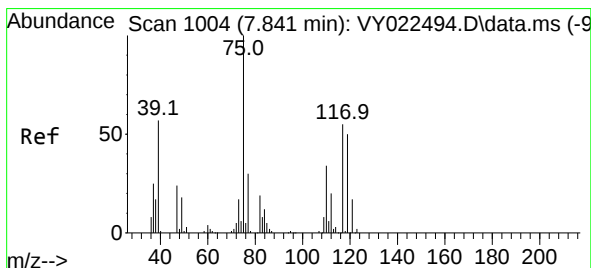
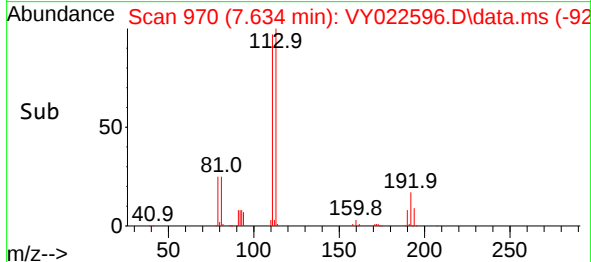
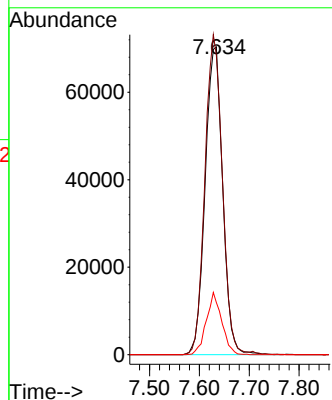
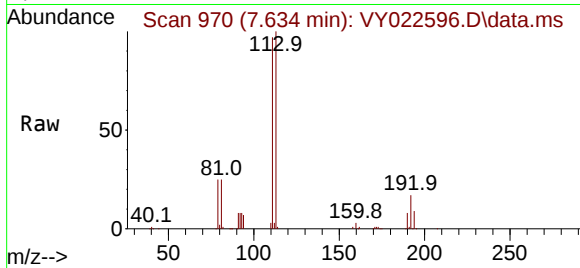




#35
Dibromofluoromethane
Concen: 50.042 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

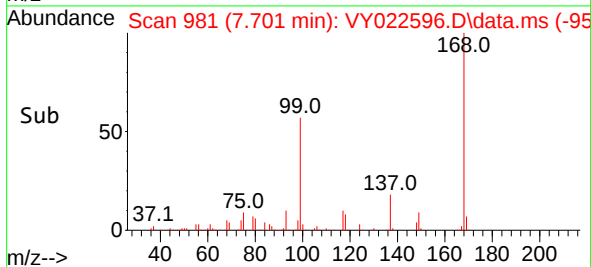
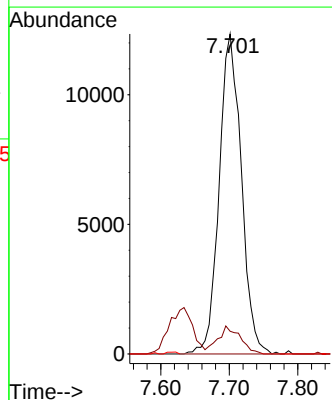
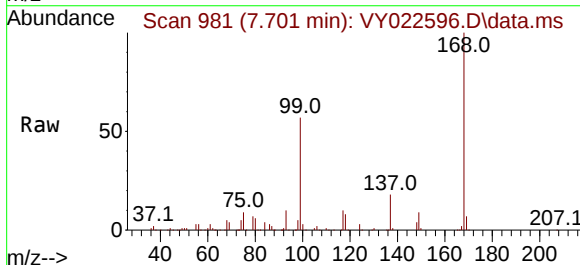
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-08

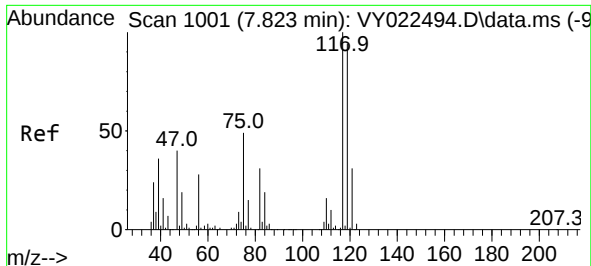
Tgt Ion:113 Resp: 172139
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 17.8 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

Tgt Ion: 75 Resp: 27667
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.8 37.2#

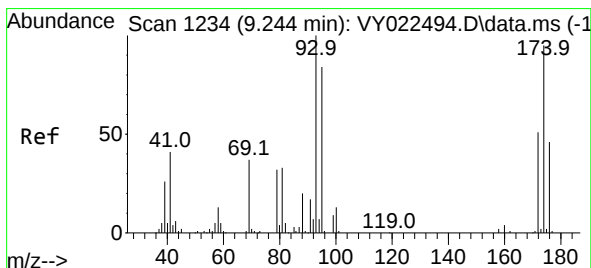
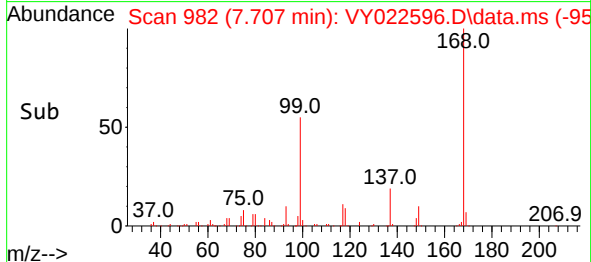
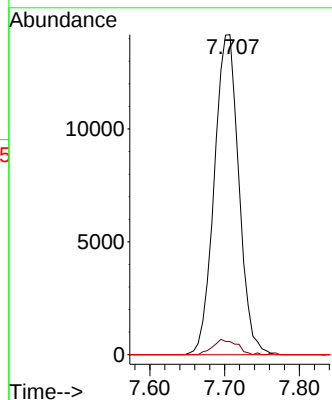
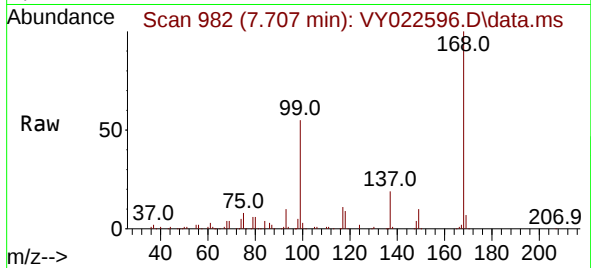




#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

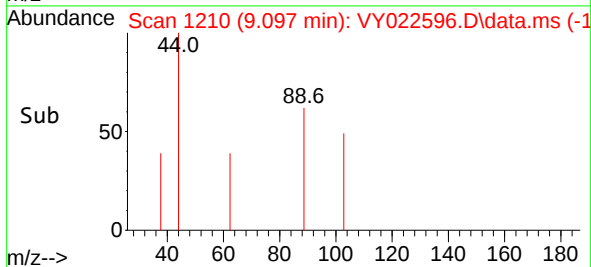
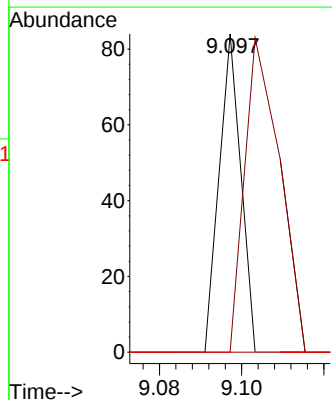
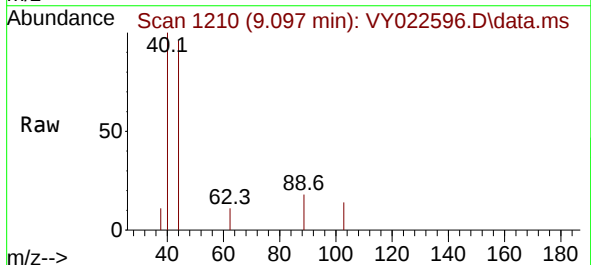
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-08

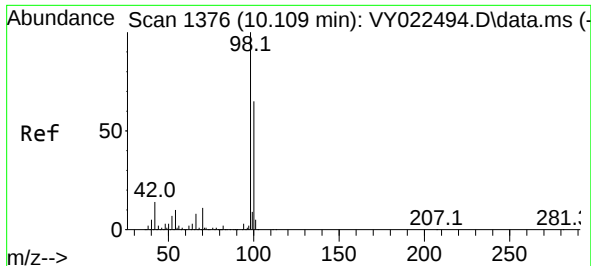
Tgt Ion:117 Resp: 32445
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.194 ug/l
RT: 9.097 min Scan# 1210
Delta R.T. -0.146 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 158.1 25.4 38.2#
58 0.0 54.9 82.3#

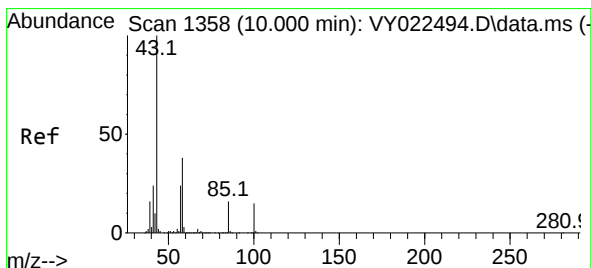
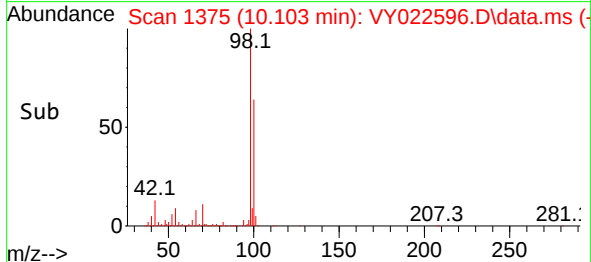
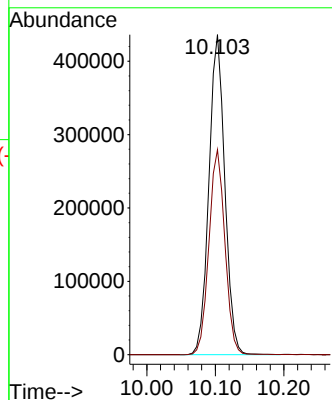
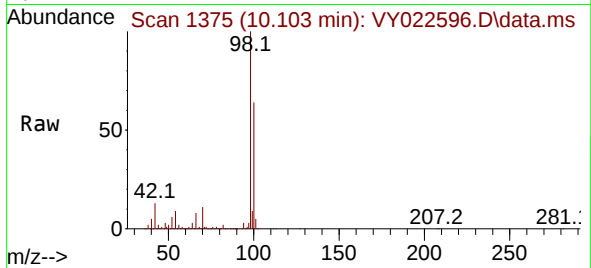




#50
Toluene-d8
Concen: 50.679 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

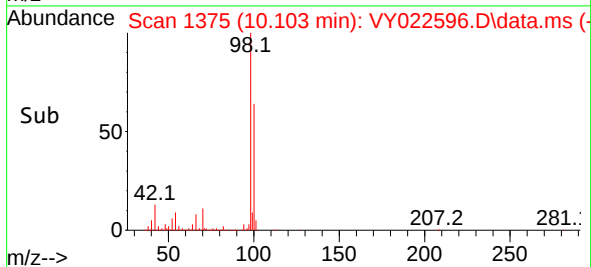
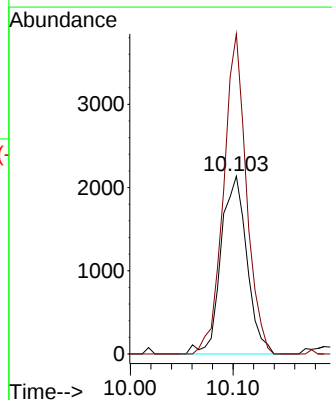
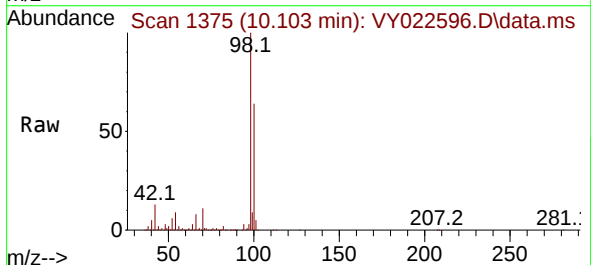
Instrument :
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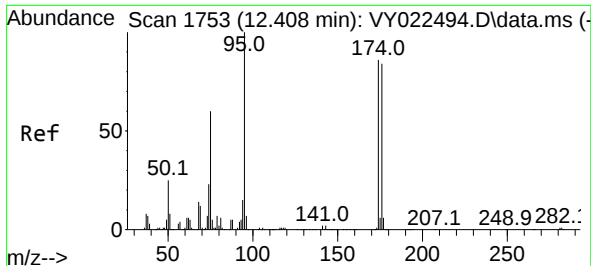
Tgt Ion: 98 Resp: 704407
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.395 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

Tgt Ion: 43 Resp: 3739
Ion Ratio Lower Upper
43 100
58 158.8 30.4 45.6#

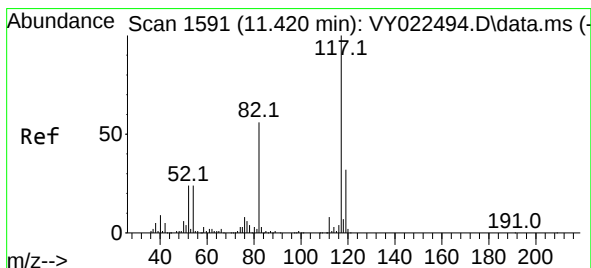
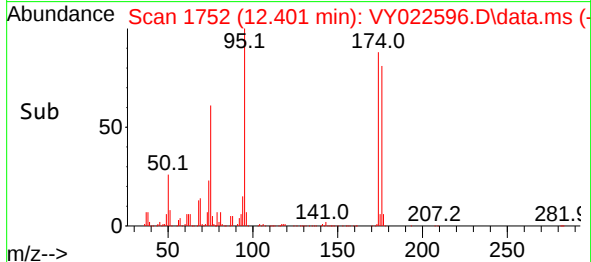
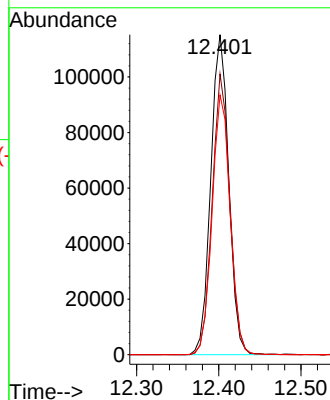
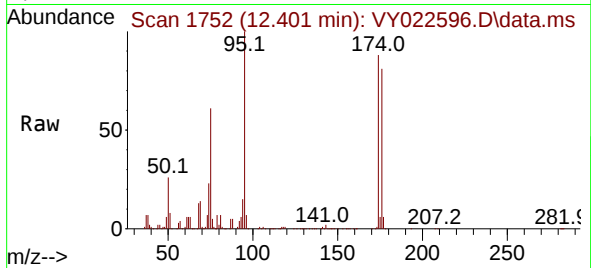




#62
4-Bromofluorobenzene
Concen: 42.192 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

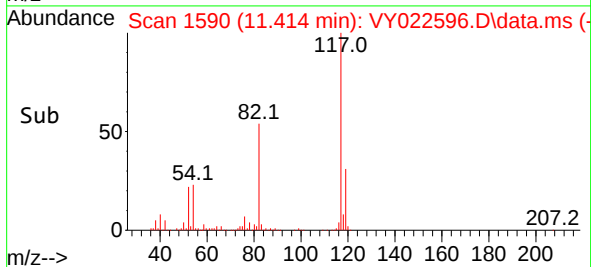
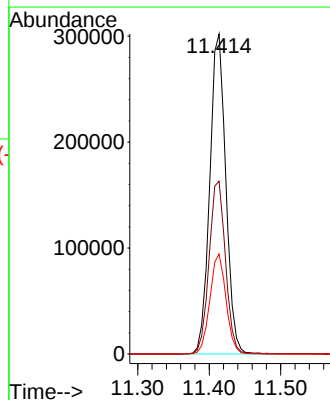
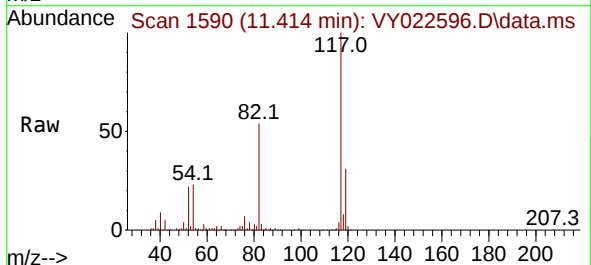
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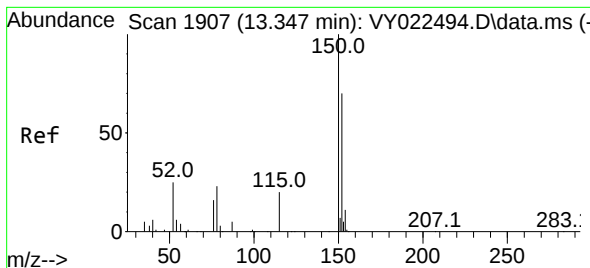
Tgt Ion: 95 Resp: 174731
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 81.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022596.D
Acq: 06 Jun 2025 13:38

Tgt Ion: 117 Resp: 471302
Ion Ratio Lower Upper
117 100
82 54.0 44.6 66.8
119 31.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022596.D

Acq: 06 Jun 2025 13:38

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-08

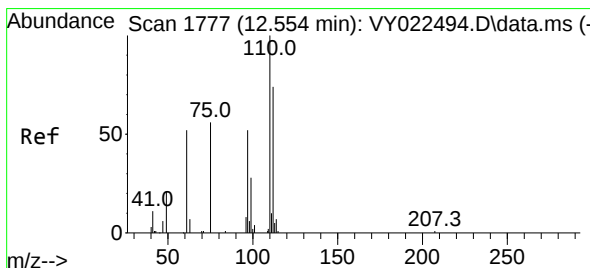
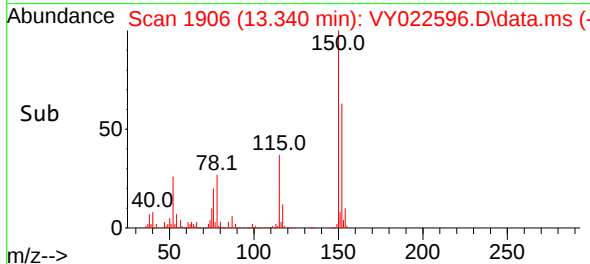
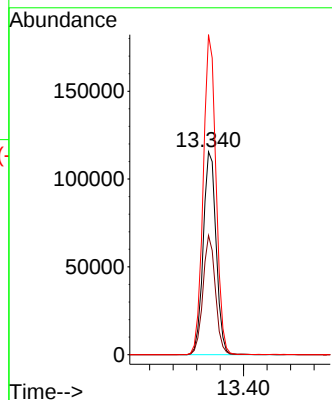
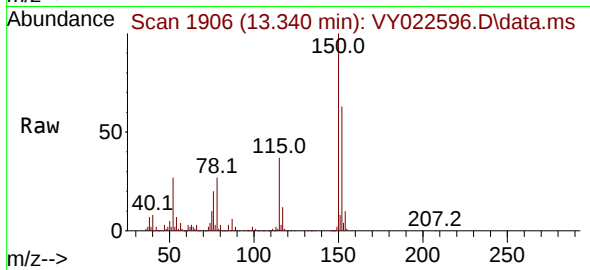
Tgt Ion:152 Resp: 176928

Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 155.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.684 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022596.D

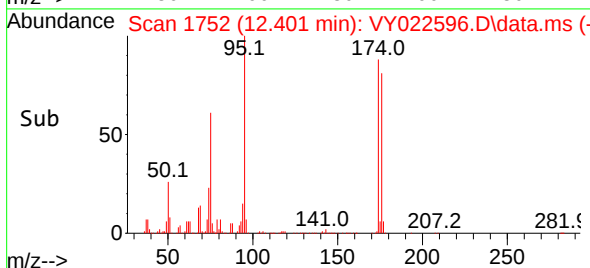
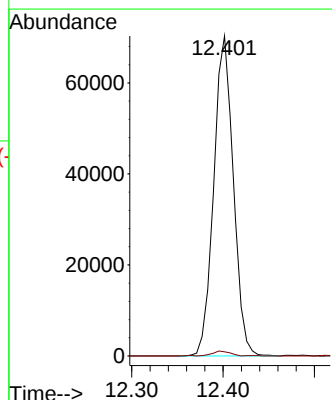
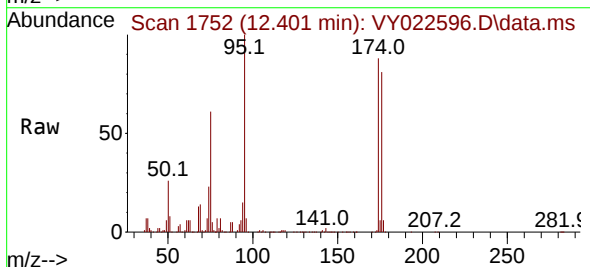
Acq: 06 Jun 2025 13:38

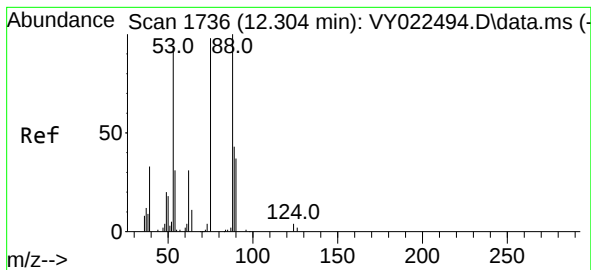
Tgt Ion: 75 Resp: 104614

Ion Ratio Lower Upper

75 100

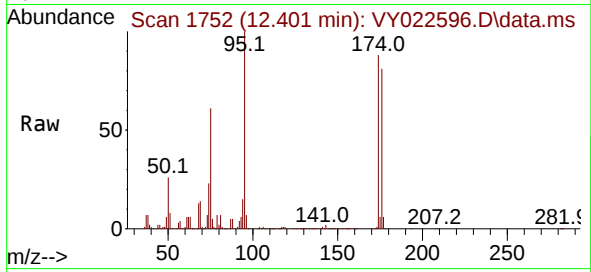
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.813 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022596.D
 Acq: 06 Jun 2025 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-08



Tgt Ion: 75 Resp: 104614
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 35.7 53.5#

