

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100825\
 Data File : VY023404.D
 Acq On : 08 Oct 2025 15:49
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 09 03:13:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

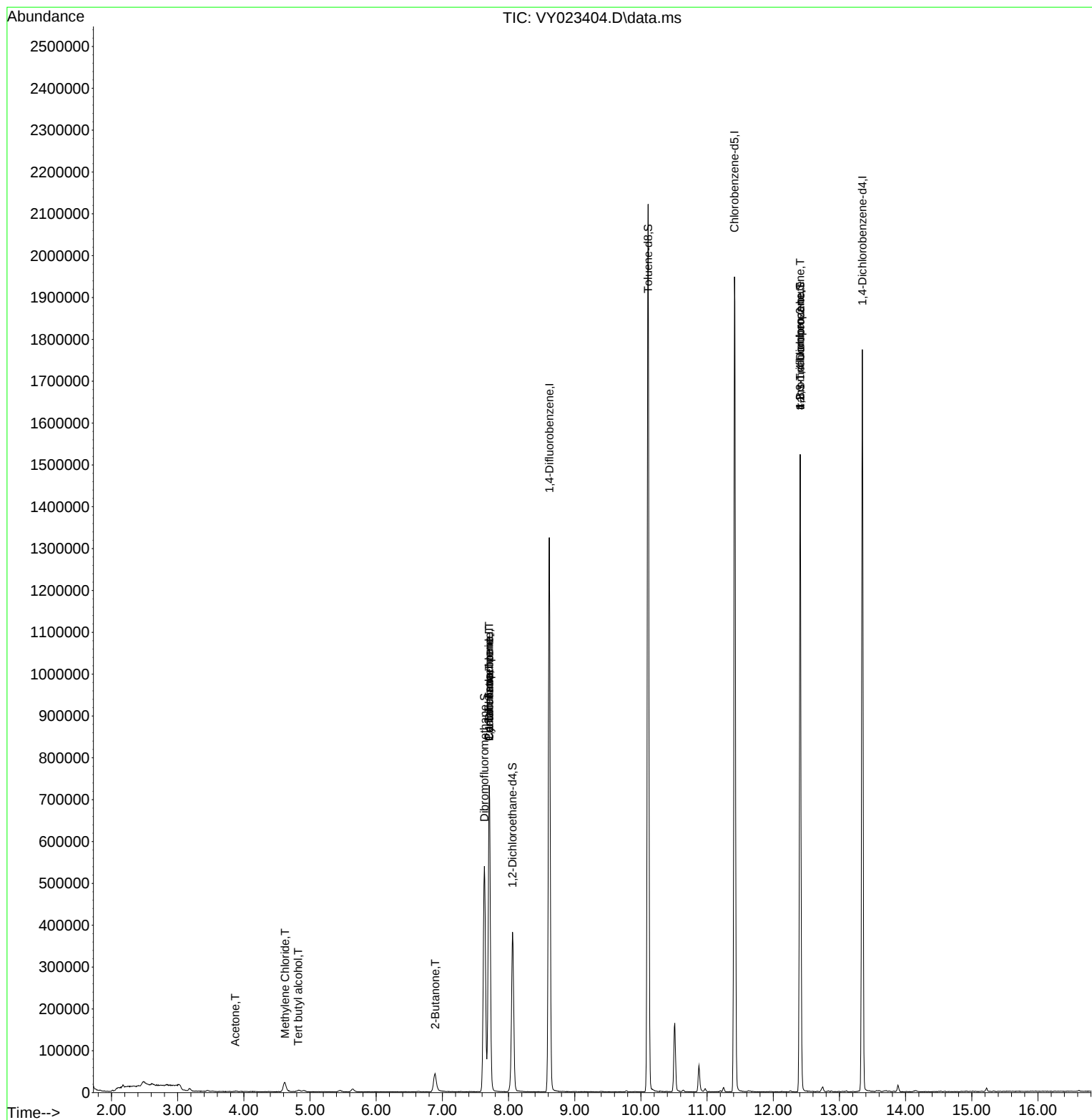
Internal Standards						
1) Pentafluorobenzene	7.707	168	604528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1184583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1122233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	469203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	291196	57.604	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	115.200%	
35) Dibromofluoromethane	7.634	113	388166	53.329	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	106.660%	
50) Toluene-d8	10.109	98	1407977	51.942	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	103.880%	
62) 4-Bromofluorobenzene	12.408	95	429914	48.039	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	96.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	689	1.832	ug/l #	88
16) Acetone	3.873	43	2132	1.772	ug/l #	78
20) Methylene Chloride	4.622	84	17410	2.675	ug/l	98
25) 2-Butanone	6.890	43	2300	1.565	ug/l #	70
31) Cyclohexane	7.707	56	10650	1.266	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42237	4.383	ug/l #	47
38) Carbon Tetrachloride	7.707	117	55479	4.748	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	213789	51.645	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	213789	126.642	ug/l #	15

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

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Response via : Initial Calibration

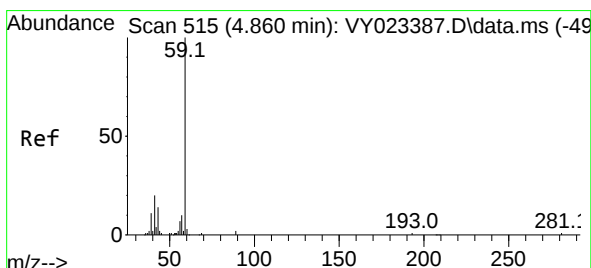
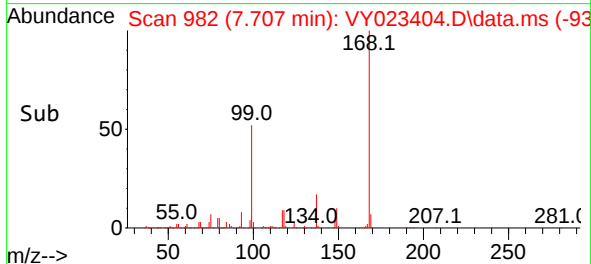
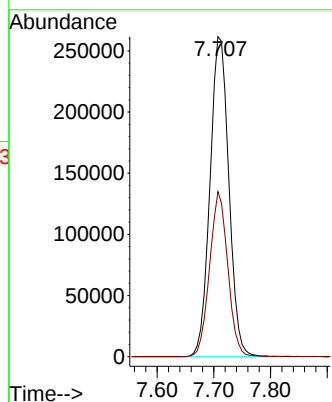
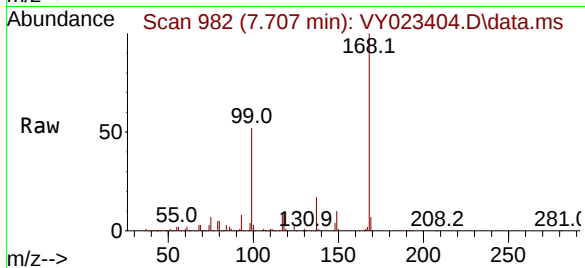




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

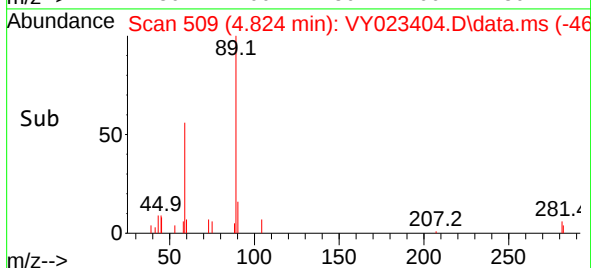
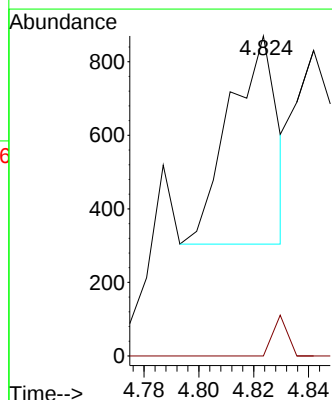
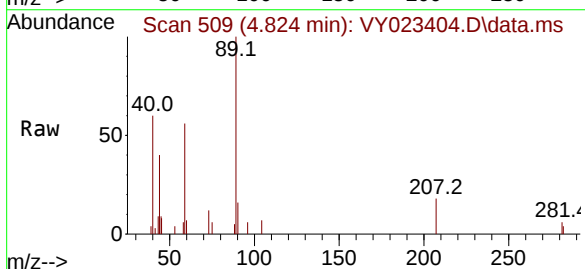
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

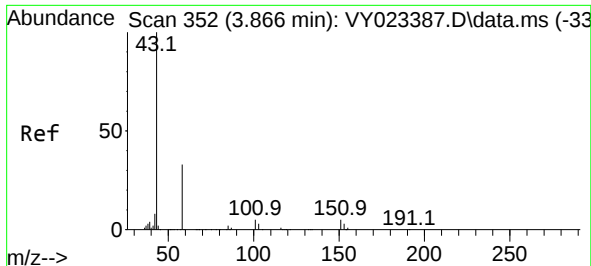
Tgt Ion:168 Resp: 604528
Ion Ratio Lower Upper
168 100
99 51.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.832 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

Tgt Ion: 59 Resp: 689
Ion Ratio Lower Upper
59 100
57 6.0 8.3 12.5#

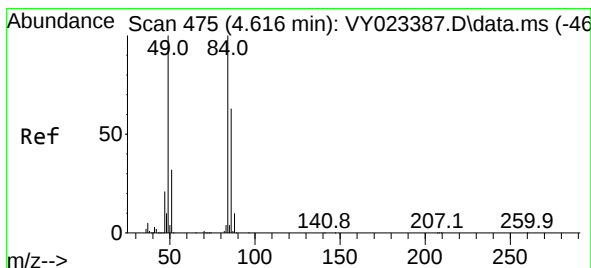
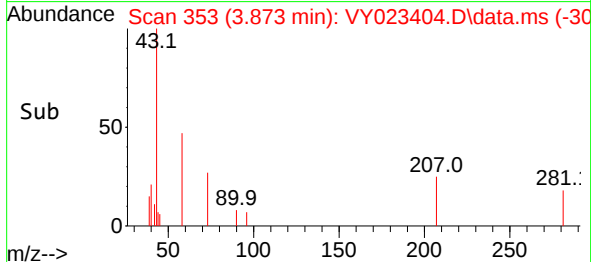
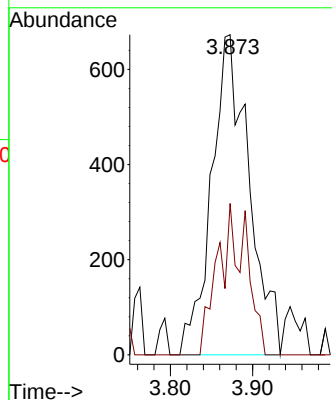
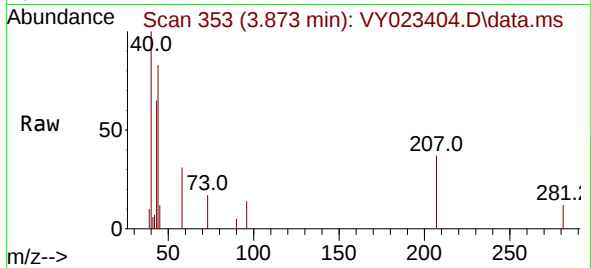




#16
Acetone
Concen: 1.772 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

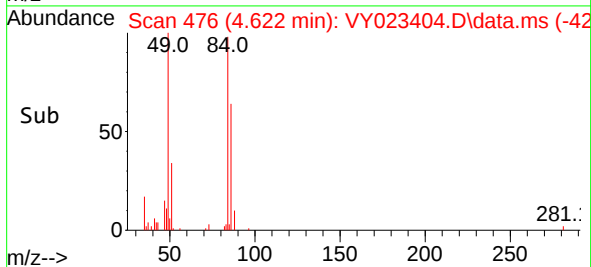
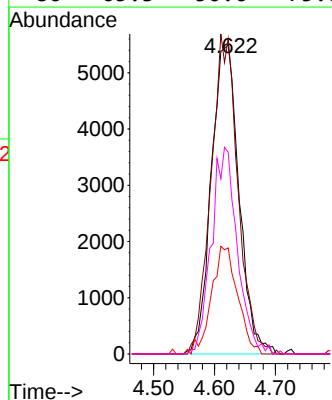
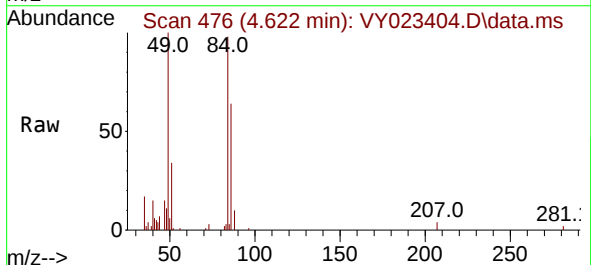
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

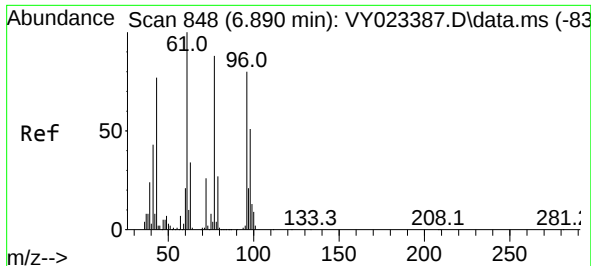
Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
58 47.3 27.7 41.5#



#20
Methylene Chloride
Concen: 2.675 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

Tgt Ion: 84 Resp: 17410
Ion Ratio Lower Upper
84 100
49 102.0 80.2 120.4
51 34.3 25.9 38.9
86 65.3 50.6 75.8

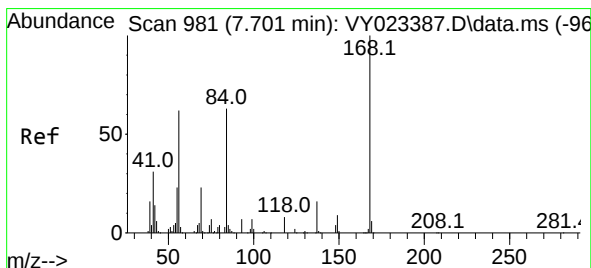
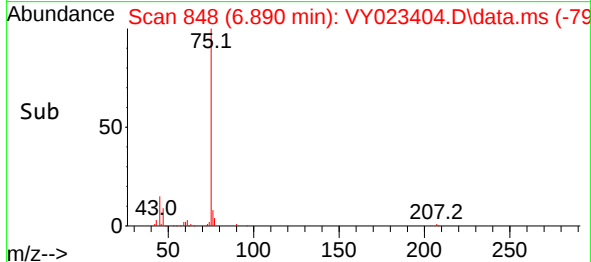
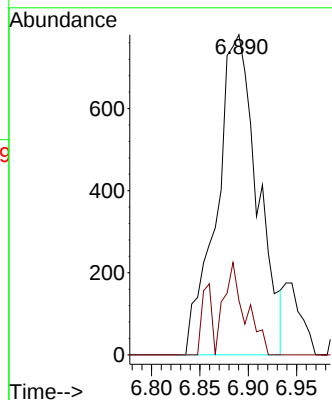
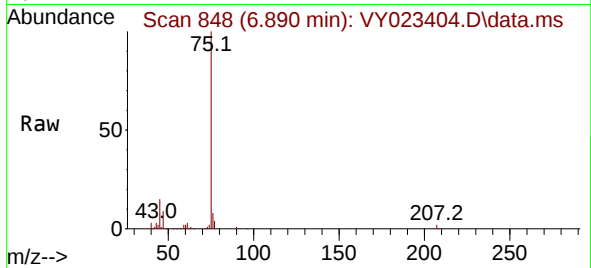




#25
2-Butanone
Concen: 1.565 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

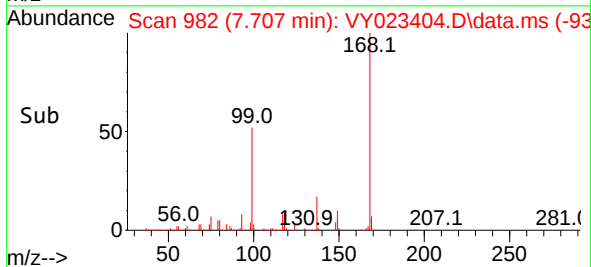
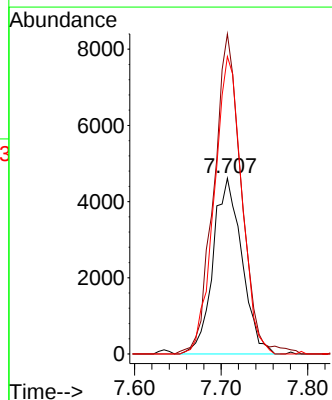
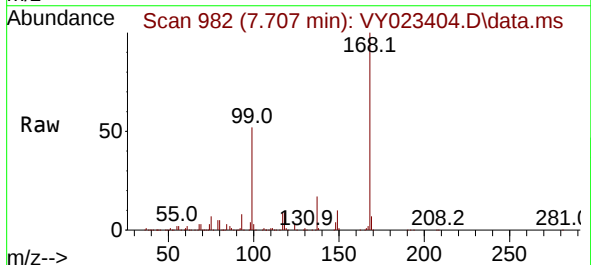
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

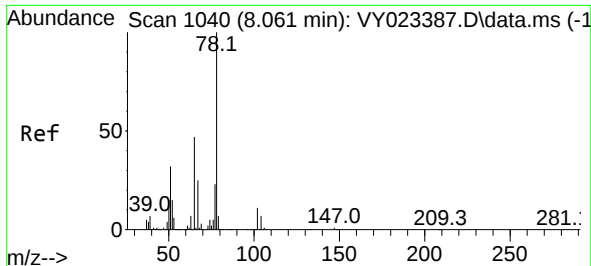
Tgt Ion: 43 Resp: 2300
Ion Ratio Lower Upper
43 100
72 17.1 27.4 41.2#



#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

Tgt Ion: 56 Resp: 10650
Ion Ratio Lower Upper
56 100
69 180.7 30.0 45.0#
84 169.3 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 57.604 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023404.D

Acq: 08 Oct 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

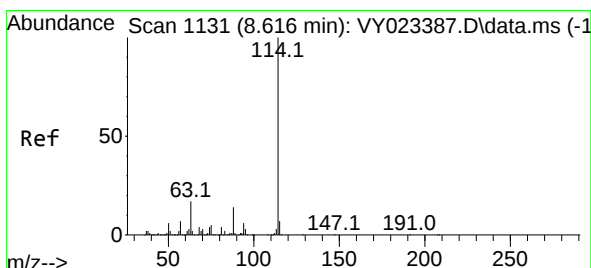
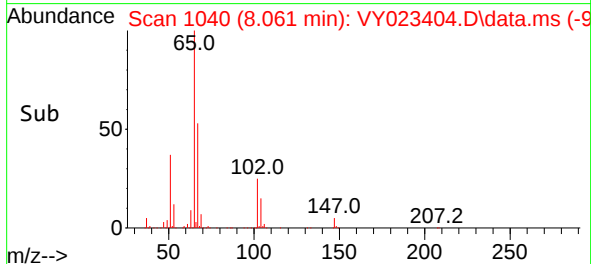
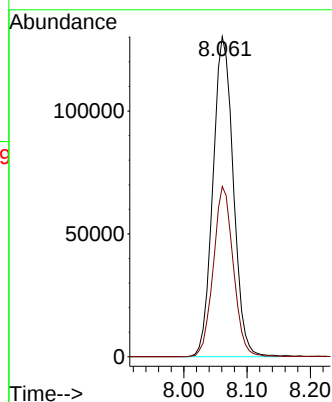
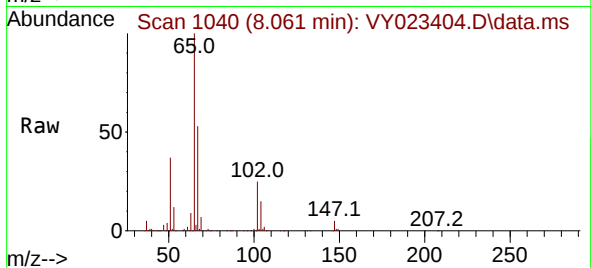
VIBLK

Tgt Ion: 65 Resp: 291196

Ion Ratio Lower Upper

65 100

67 52.1 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: VY023404.D

Acq: 08 Oct 2025 15:49

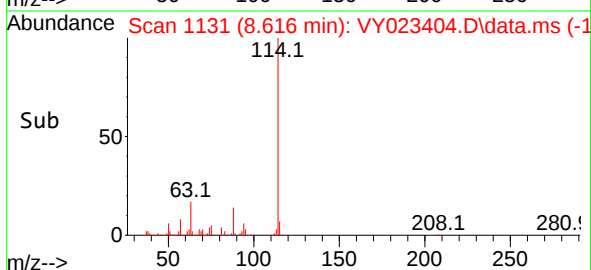
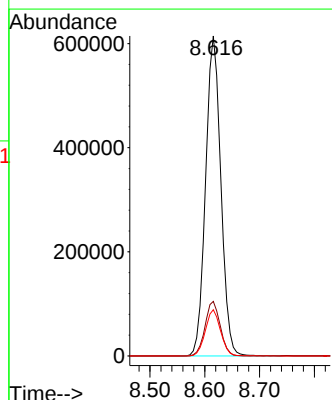
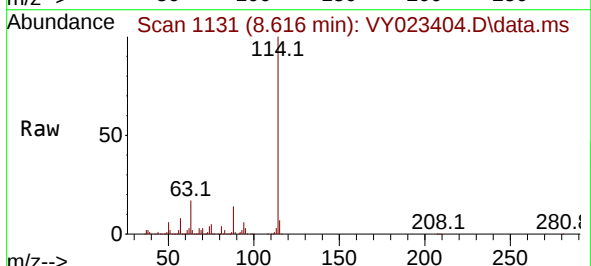
Tgt Ion:114 Resp: 1184583

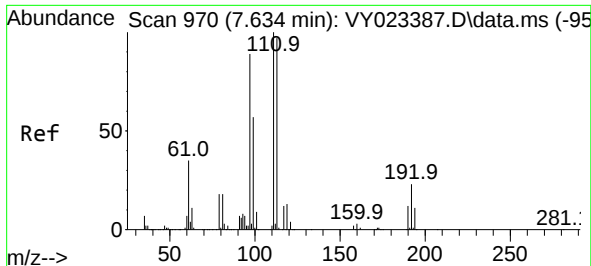
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 14.5 0.0 28.4

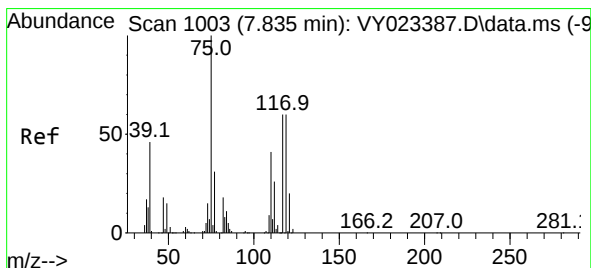
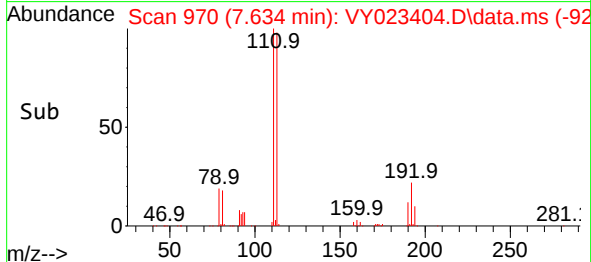
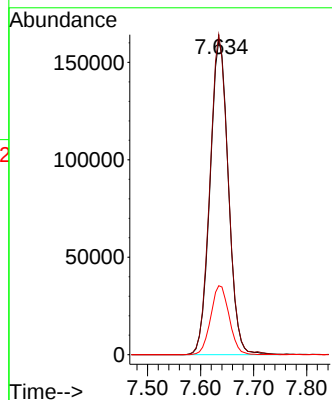
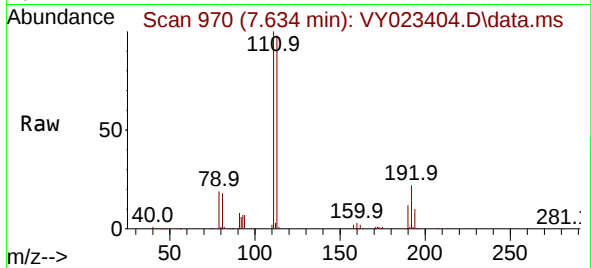




#35
Dibromofluoromethane
Concen: 53.329 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

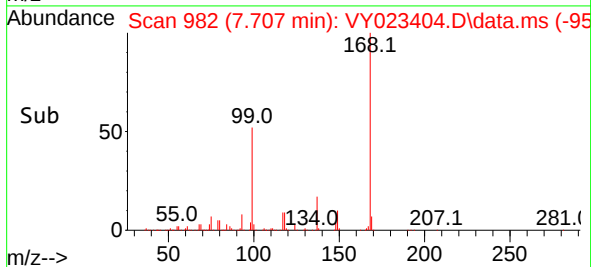
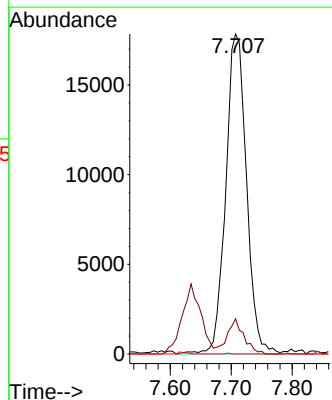
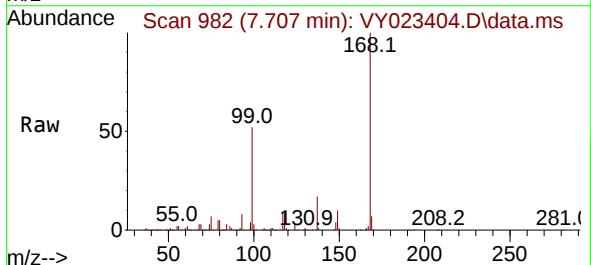
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

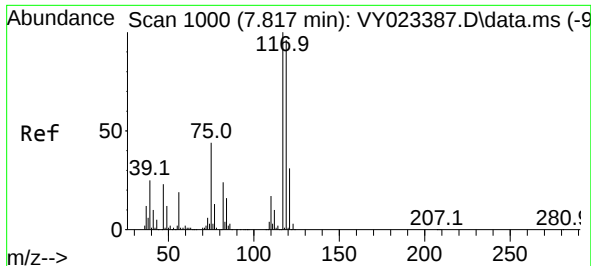
Tgt Ion:113 Resp: 388166
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 22.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

Tgt Ion: 75 Resp: 42237
Ion Ratio Lower Upper
75 100
110 8.6 19.9 59.7#
77 0.0 25.0 37.6#

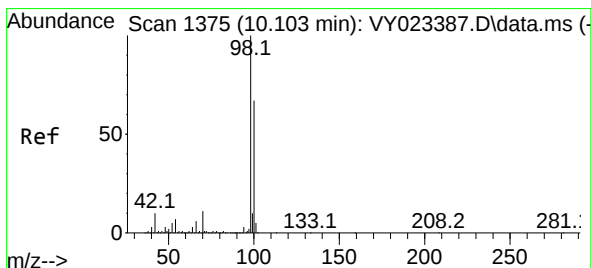
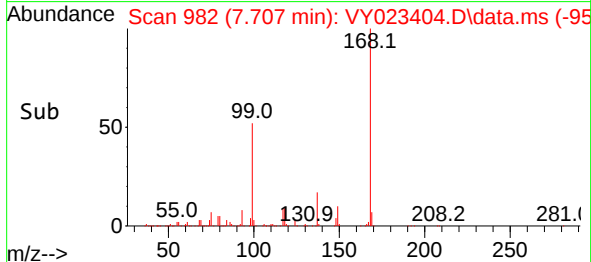
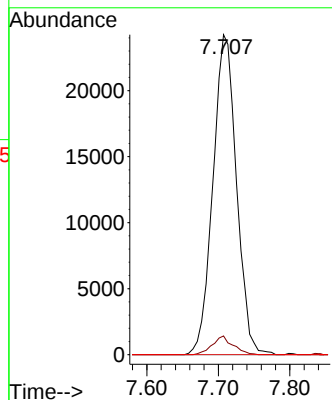
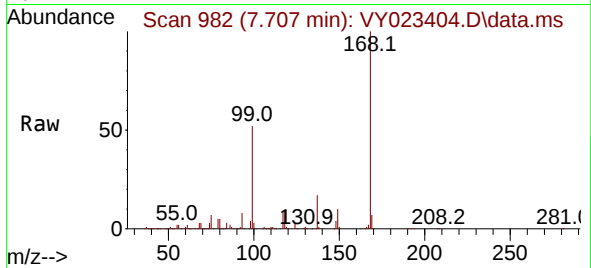




#38
Carbon Tetrachloride
Concen: 4.748 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

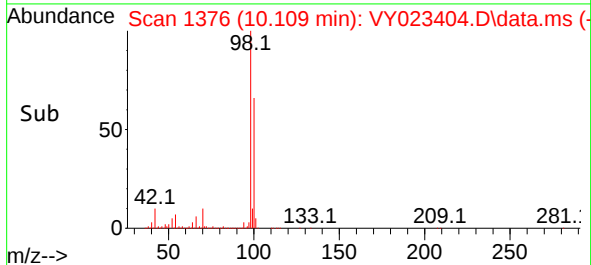
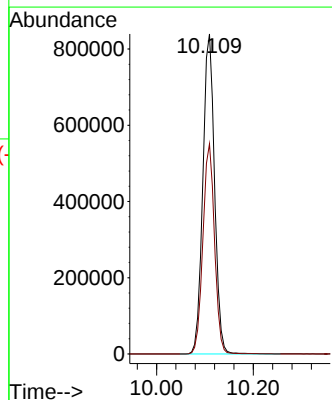
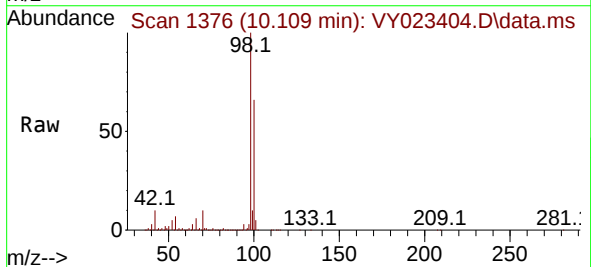
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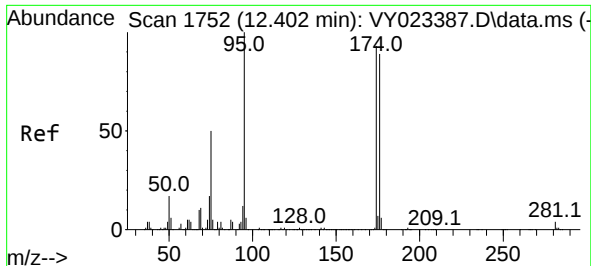
Tgt Ion:117 Resp: 55479
Ion Ratio Lower Upper
117 100
119 5.9 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.942 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

Tgt Ion: 98 Resp: 1407977
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

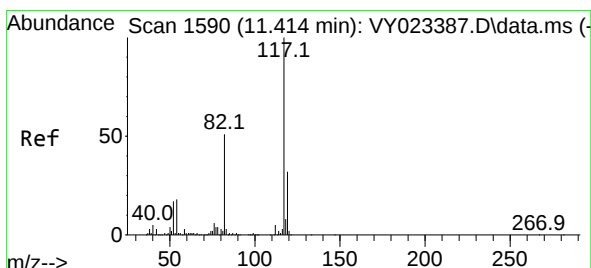
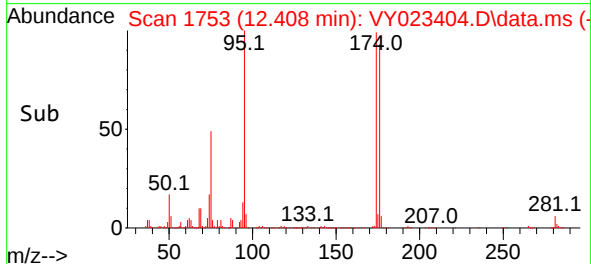
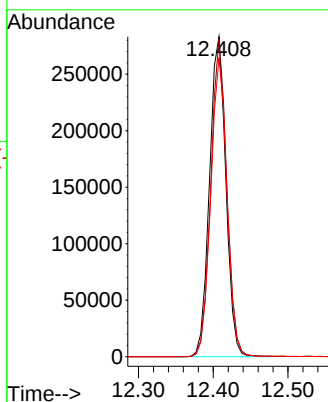
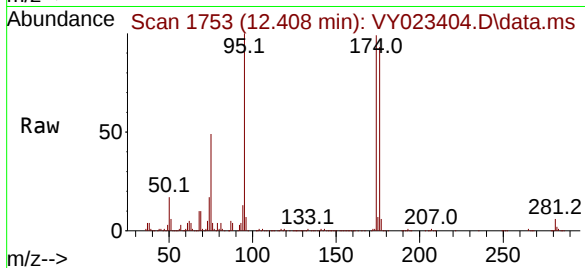




#62
4-Bromofluorobenzene
Concen: 48.039 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

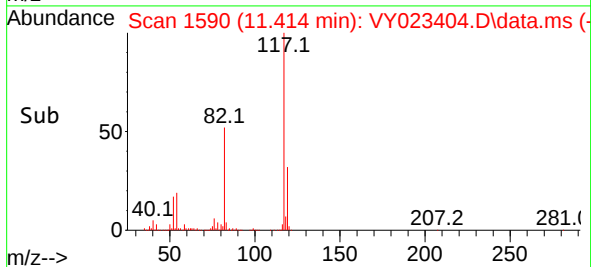
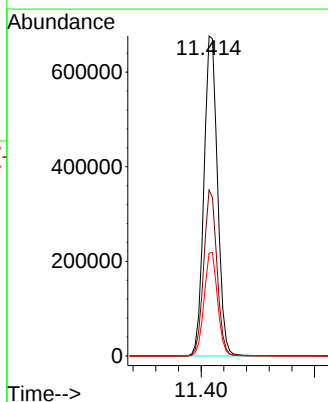
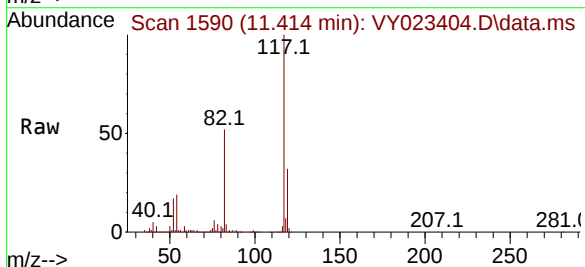
Instrument :
MSVOA_Y
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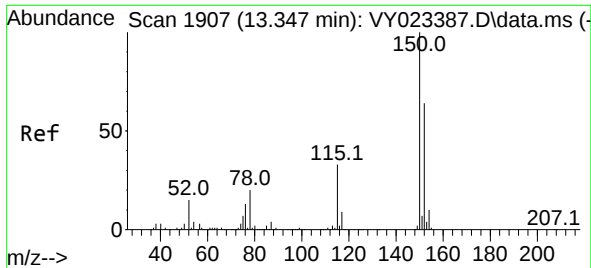
Tgt Ion: 95 Resp: 429914
Ion Ratio Lower Upper
95 100
174 97.2 0.0 192.8
176 92.7 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023404.D
Acq: 08 Oct 2025 15:49

Tgt Ion: 117 Resp: 1122233
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.4
119 32.2 25.6 38.4

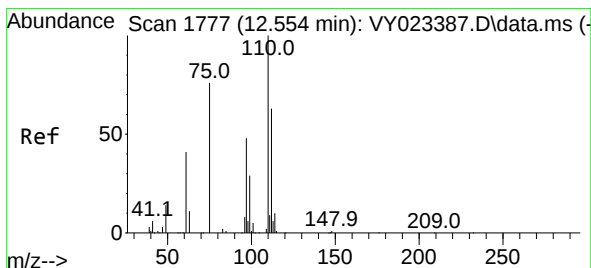
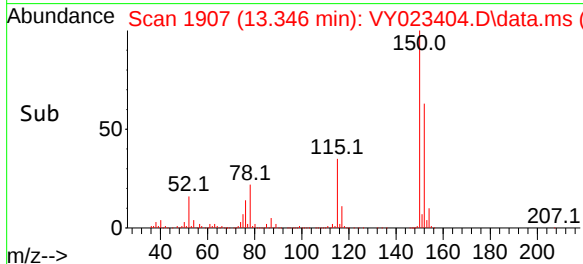
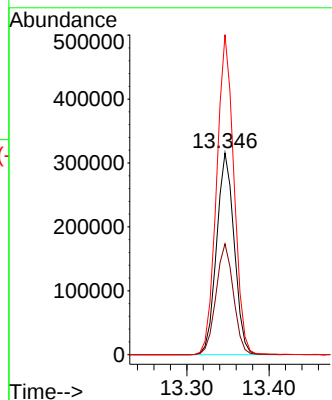
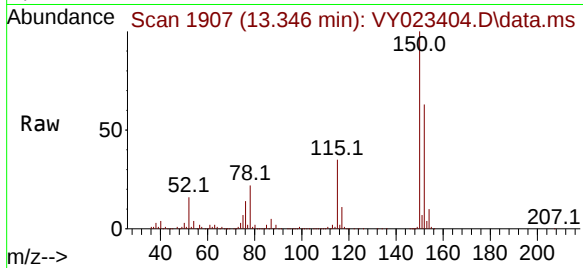




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023404.D
 Acq: 08 Oct 2025 15:49

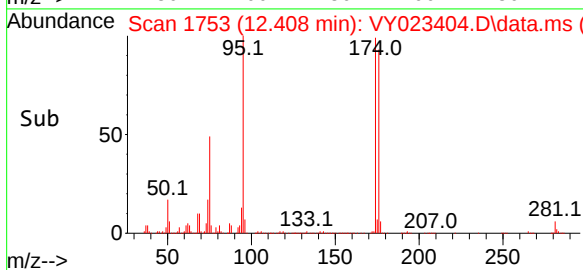
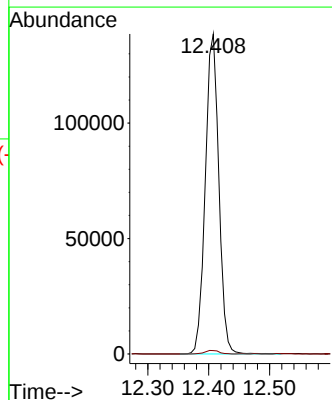
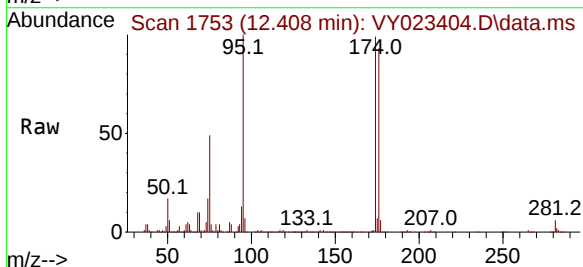
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

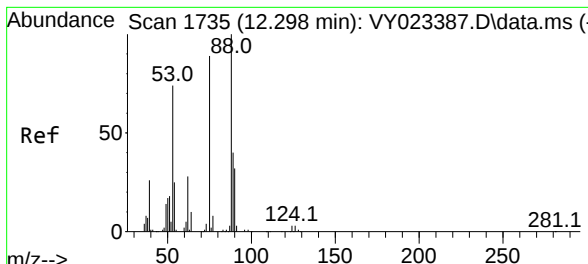
Tgt Ion:152 Resp: 469203
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.1 81.2
 150 156.2 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 51.645 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023404.D
 Acq: 08 Oct 2025 15:49

Tgt Ion: 75 Resp: 213789
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.642 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023404.D
 Acq: 08 Oct 2025 15:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 213789
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.1 39.0 58.4#

