

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022756.D
 Acq On : 19 Jun 2025 15:36
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 20 03:00:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

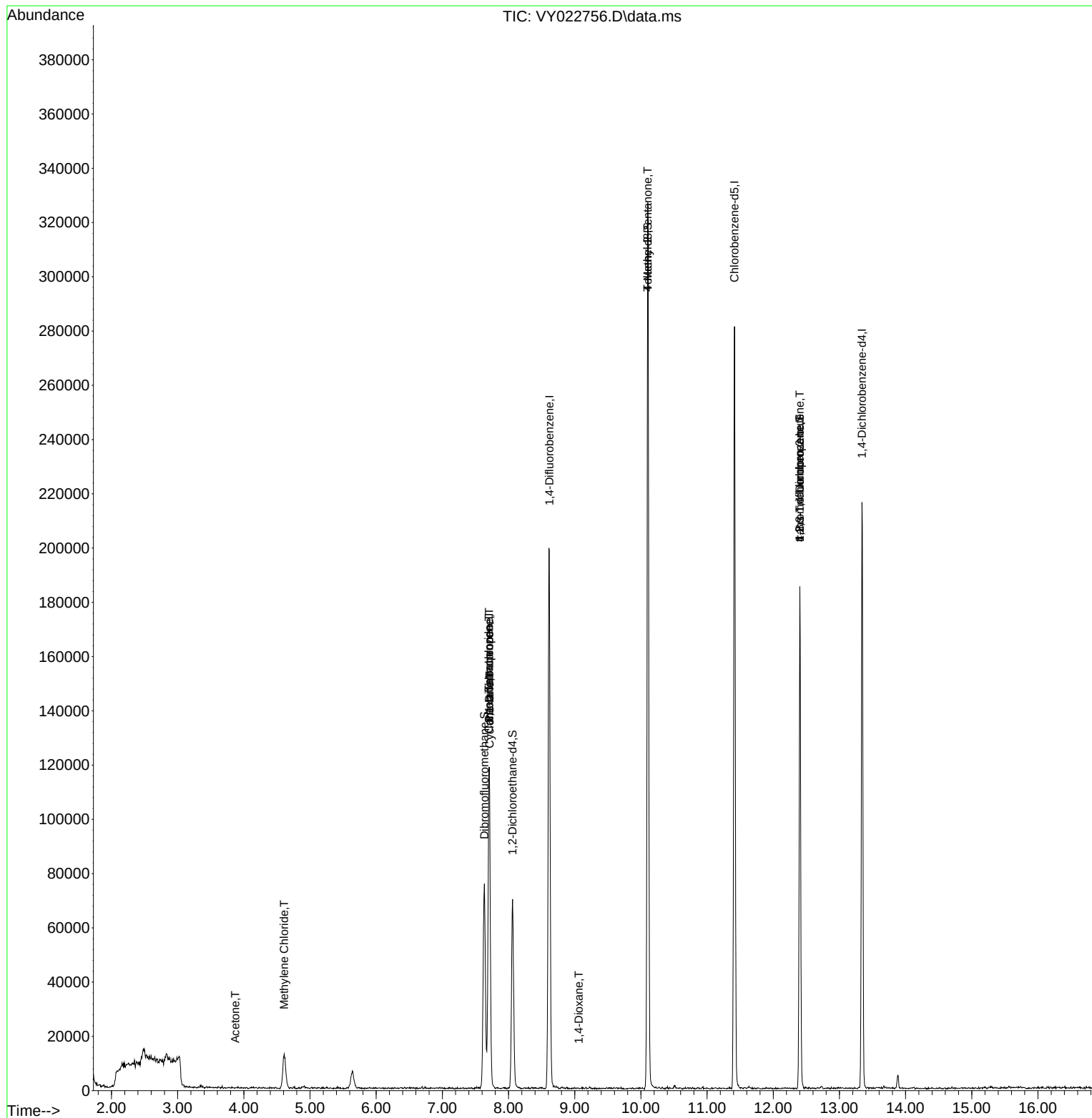
Internal Standards						
1) Pentafluorobenzene	7.707	168	86745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	166831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	137821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	49912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	51832	53.424	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 106.840%		
35) Dibromofluoromethane	7.634	113	50815	51.030	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.060%		
50) Toluene-d8	10.103	98	201984	50.200	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 100.400%		
62) 4-Bromofluorobenzene	12.401	95	47948	39.996	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 80.000%		
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	209	1.061	ug/l #	45
20) Methylene Chloride	4.610	84	9178	8.200	ug/l	95
31) Cyclohexane	7.713	56	2546	1.366	ug/l #	37
36) 1,1-Dichloropropene	7.707	75	7921	4.901	ug/l #	50
38) Carbon Tetrachloride	7.701	117	9496	5.728	ug/l #	13
49) 1,4-Dioxane	9.061	88	39	5.187	ug/l #	24
51) 4-Methyl-2-Pentanone	10.103	43	1184	1.526	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	29729	52.064	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	29729	125.731	ug/l #	10

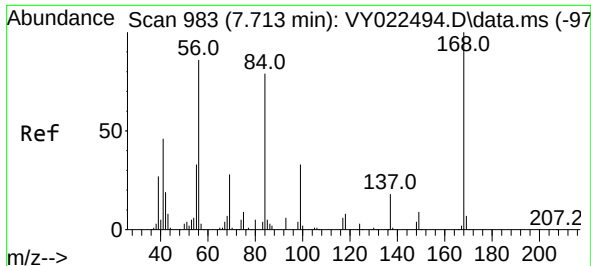
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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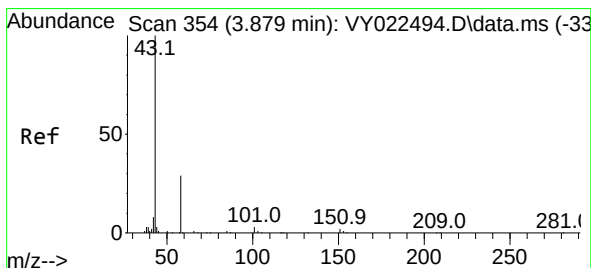
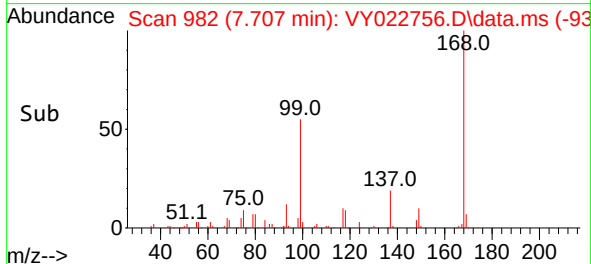
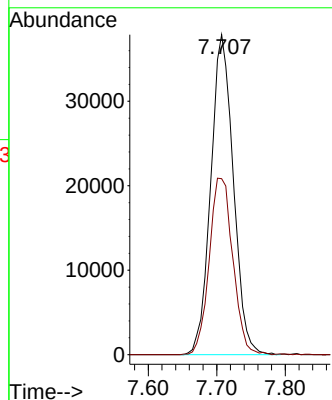
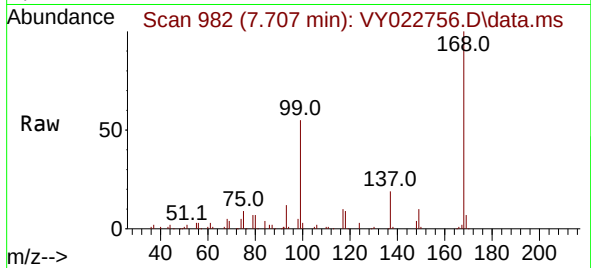




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

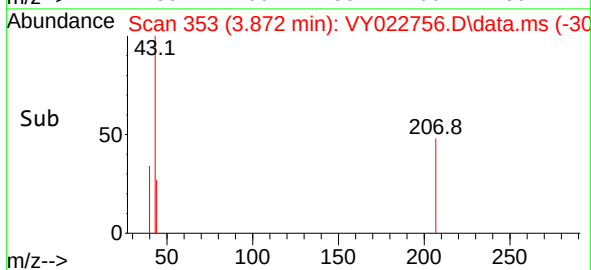
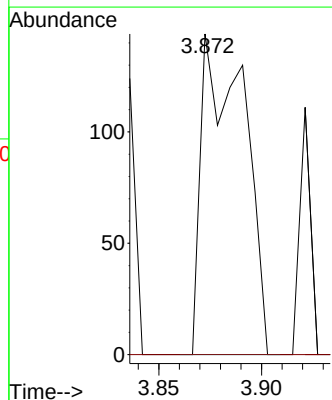
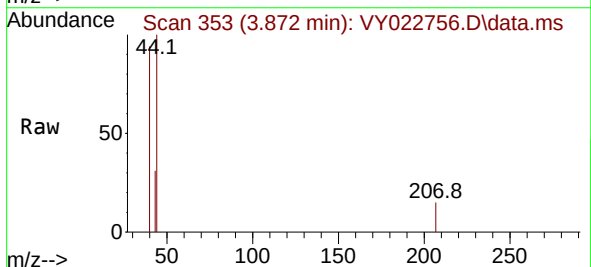
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

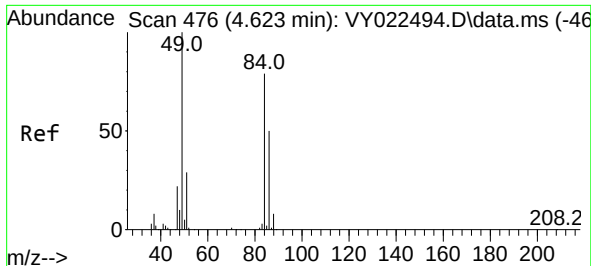
Tgt Ion:168 Resp: 86745
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#16
Acetone
Concen: 1.061 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

Tgt Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

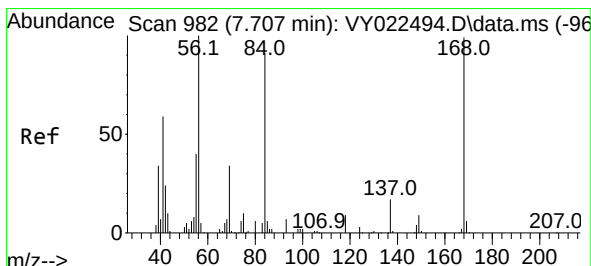
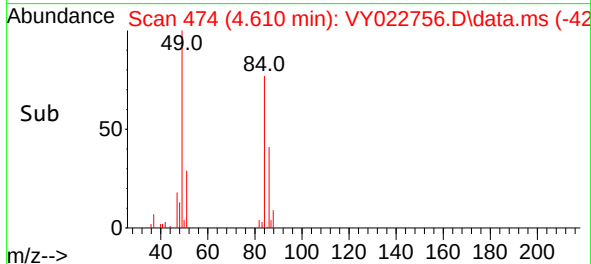
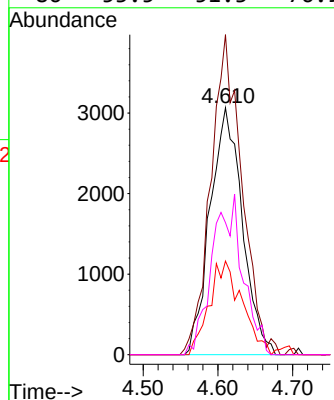
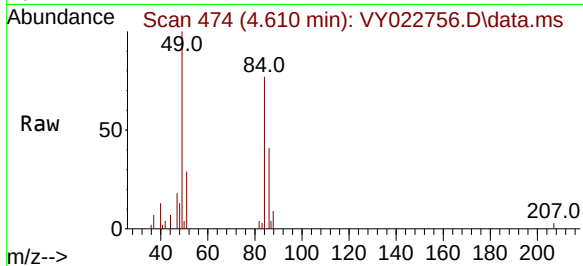




#20
Methylene Chloride
Concen: 8.200 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

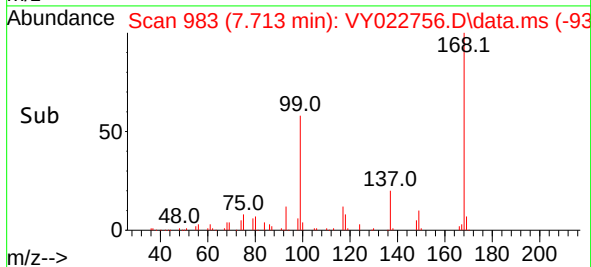
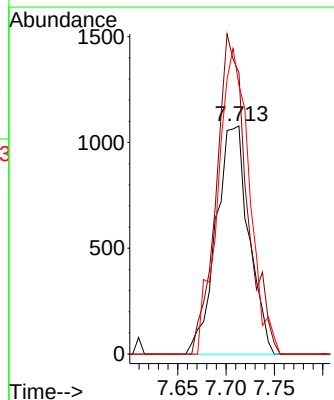
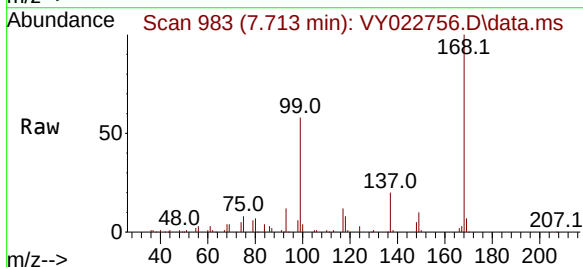
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

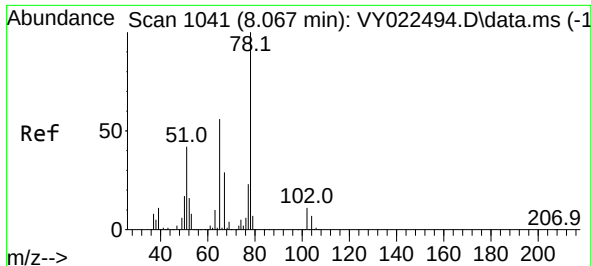
Tgt Ion:	84	Resp:	9178
Ion	Ratio	Lower	Upper
84	100		
49	129.6	101.9	152.9
51	37.9	29.8	44.8
86	53.5	51.3	76.9



#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

Tgt Ion:	56	Resp:	2546
Ion	Ratio	Lower	Upper
56	100		
69	123.4	27.0	40.6#
84	117.8	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 53.424 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022756.D

Acq: 19 Jun 2025 15:36

Instrument :

MSVOA_Y

ClientSampleId :

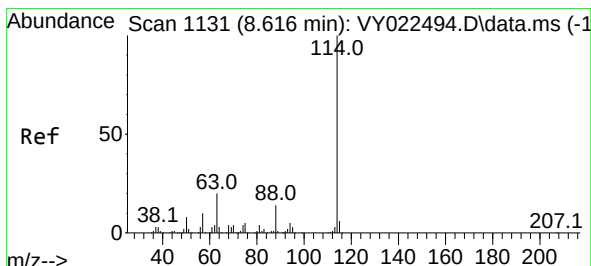
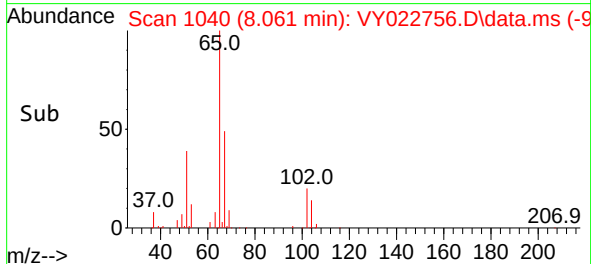
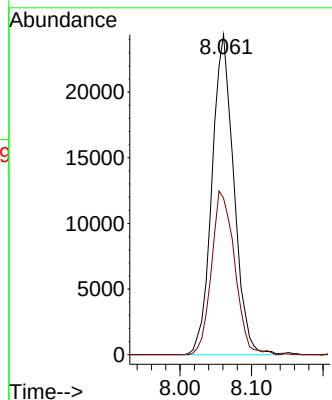
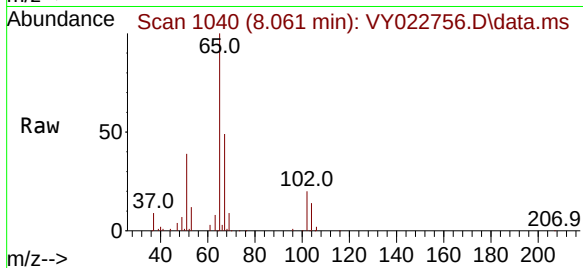
VIBLK

Tgt Ion: 65 Resp: 51832

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022756.D

Acq: 19 Jun 2025 15:36

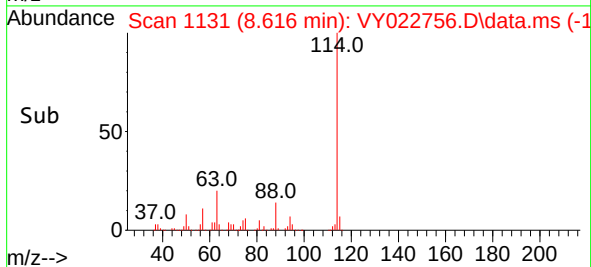
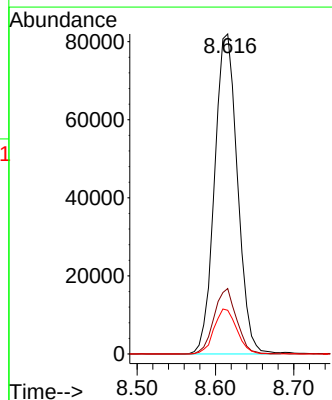
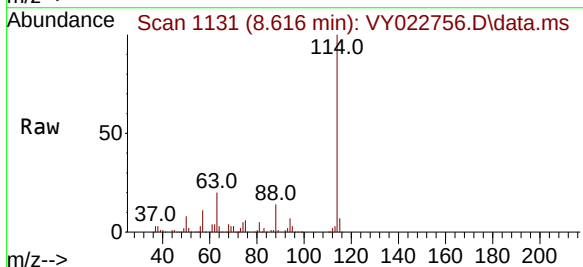
Tgt Ion: 114 Resp: 166831

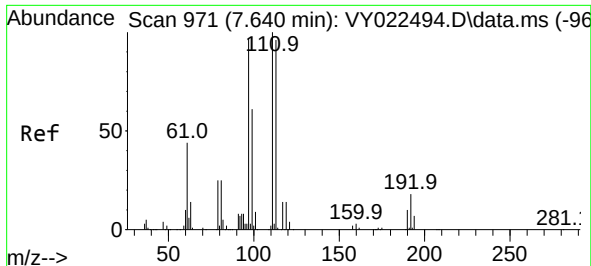
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 13.6 0.0 27.8

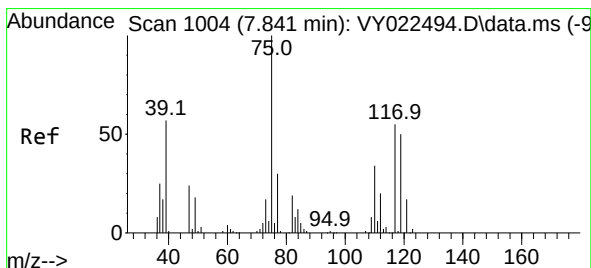
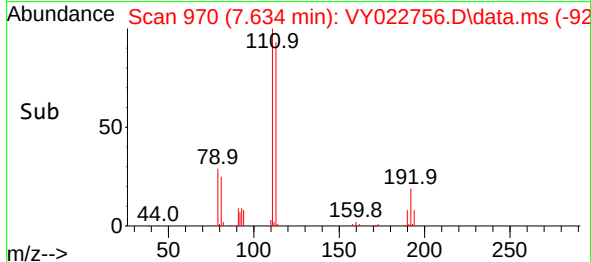
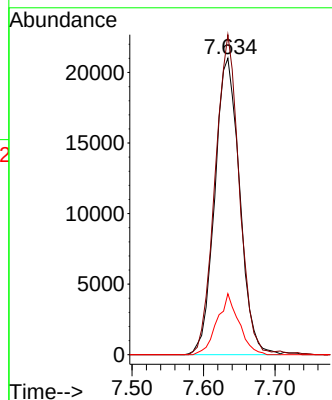
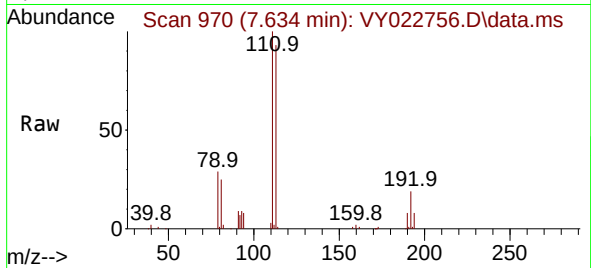




#35
Dibromofluoromethane
Concen: 51.030 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

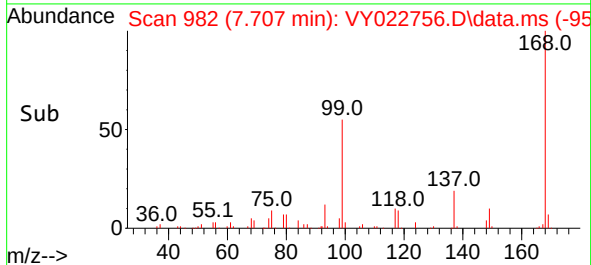
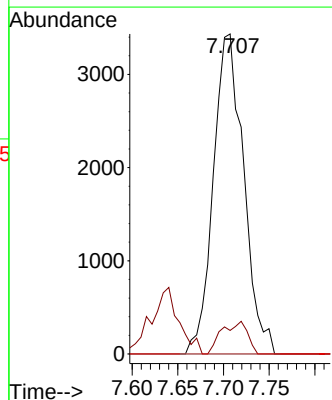
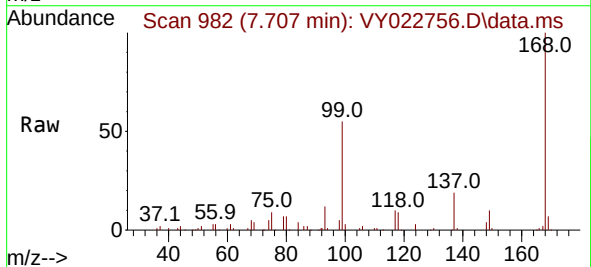
Instrument :
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ClientSampleId :
VIBLK

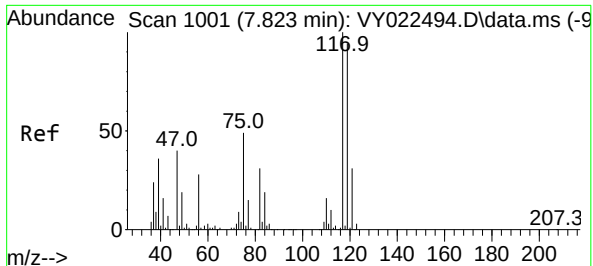
Tgt Ion:113 Resp: 50815
Ion Ratio Lower Upper
113 100
111 105.1 81.1 121.7
192 18.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

Tgt Ion: 75 Resp: 7921
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 24.8 37.2#

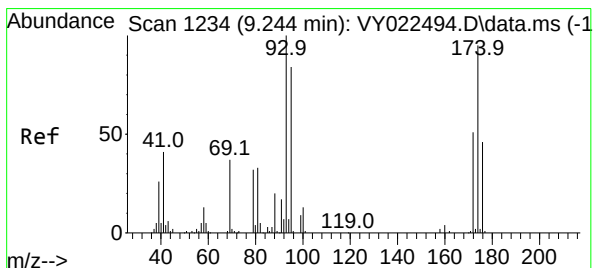
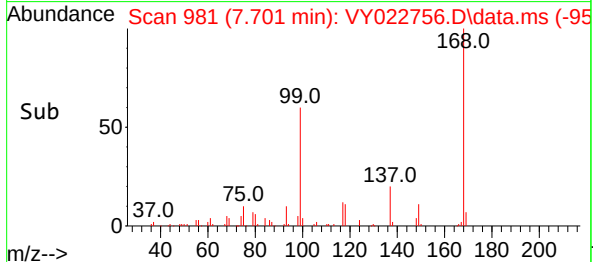
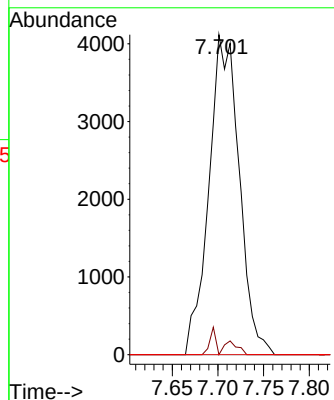
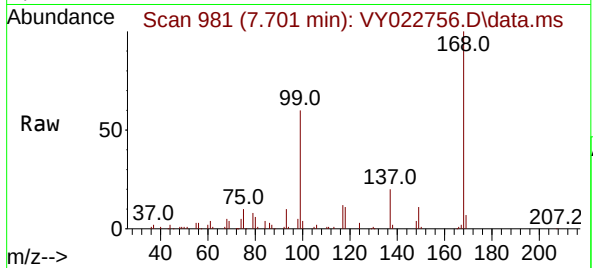




#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

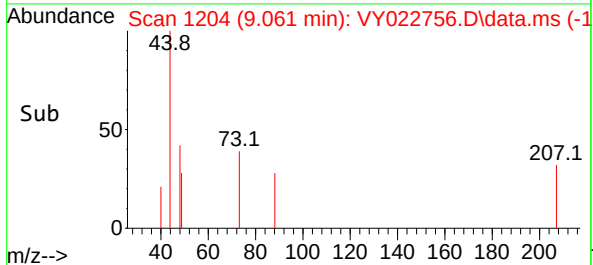
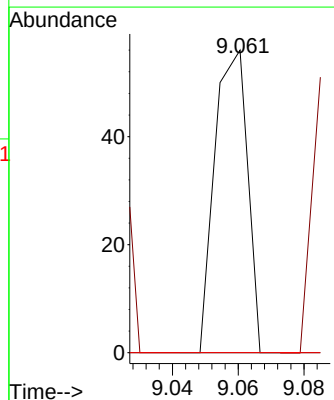
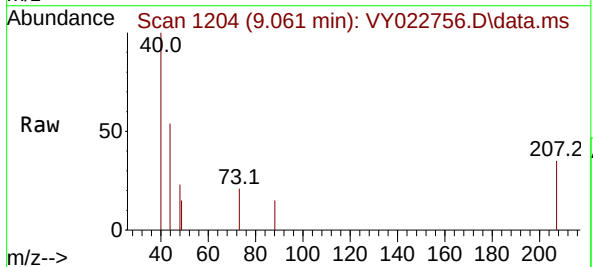
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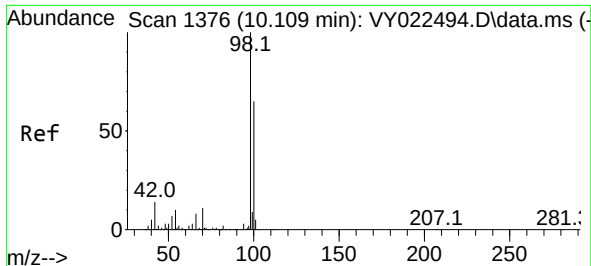
Tgt Ion:117 Resp: 9496
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 5.187 ug/l
RT: 9.061 min Scan# 1204
Delta R.T. -0.183 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#

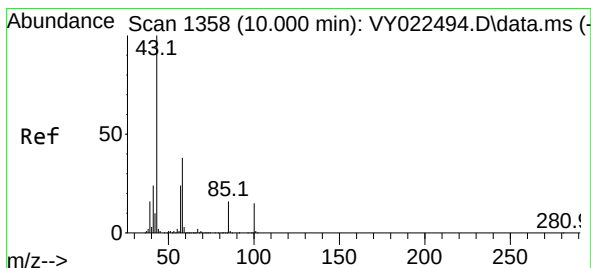
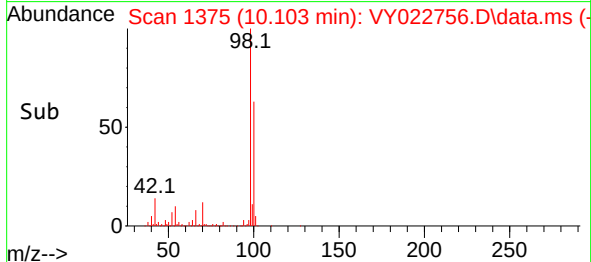
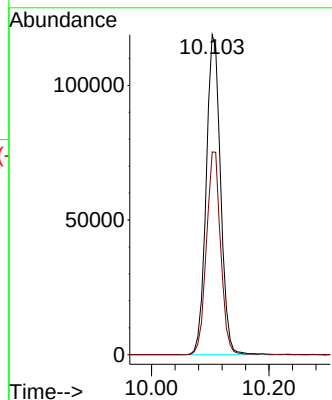
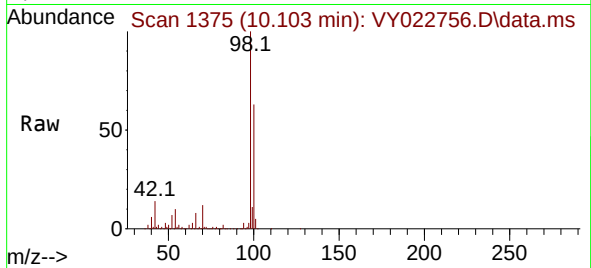




#50
Toluene-d8
Concen: 50.200 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

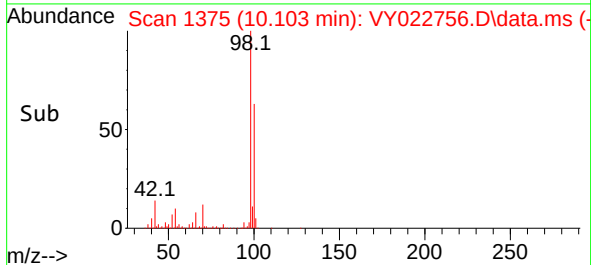
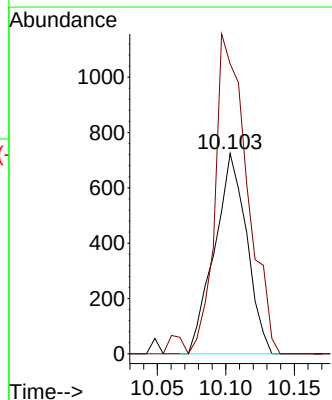
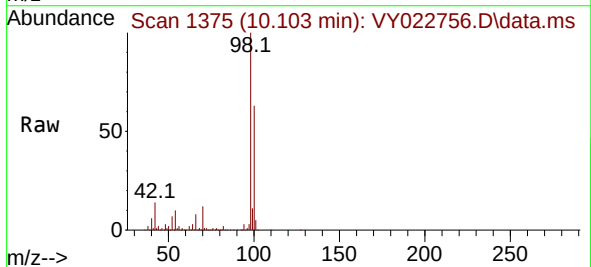
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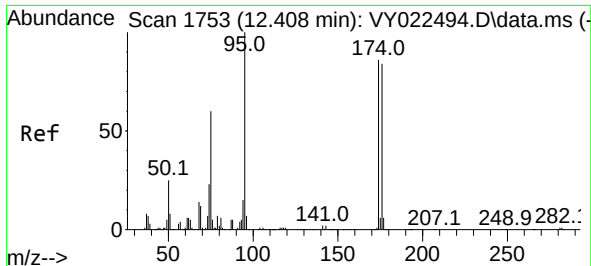
Tgt Ion: 98 Resp: 201984
Ion Ratio Lower Upper
98 100
100 62.8 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.526 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
58 158.4 30.4 45.6#

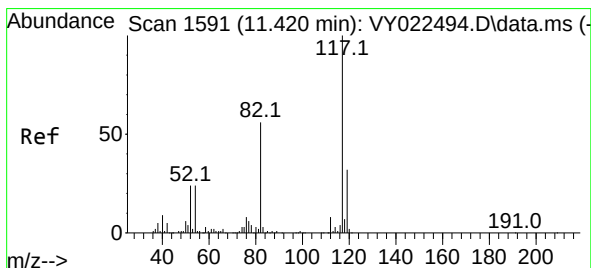
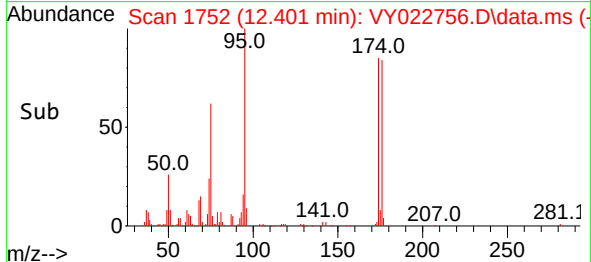
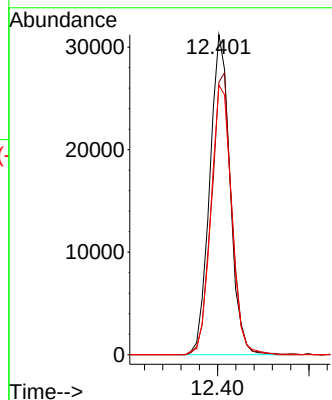
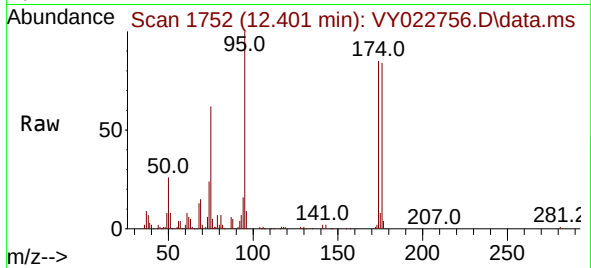




#62
4-Bromofluorobenzene
Concen: 39.996 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

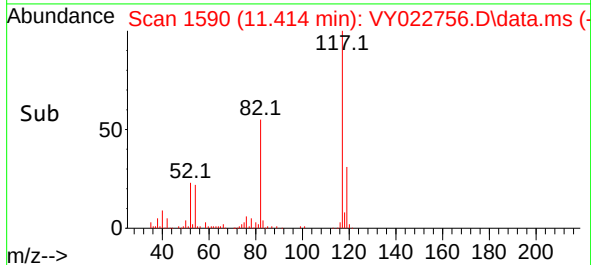
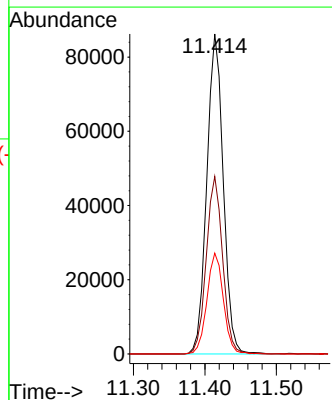
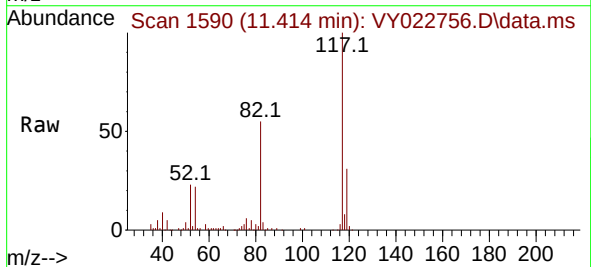
Instrument :
MSVOA_Y
ClientSampleId :
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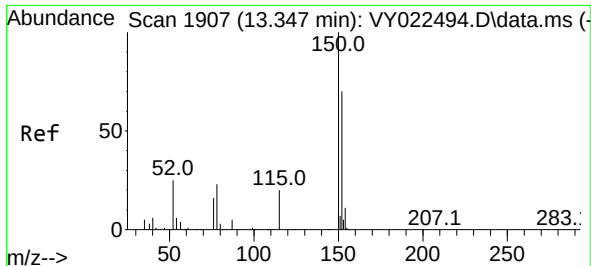
Tgt Ion:	95	Resp:	47948
Ion Ratio	Lower	Upper	
95	100		
174	88.1	0.0	170.0
176	86.1	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022756.D
Acq: 19 Jun 2025 15:36

Tgt Ion:	117	Resp:	137821
Ion Ratio	Lower	Upper	
117	100		
82	55.4	44.6	66.8
119	31.5	25.4	38.0

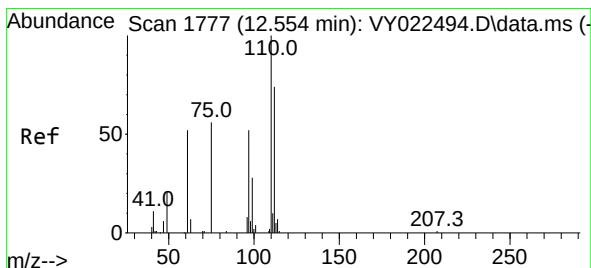
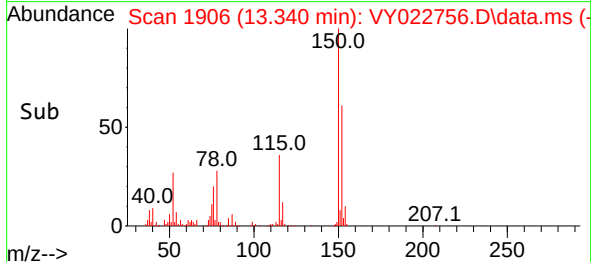
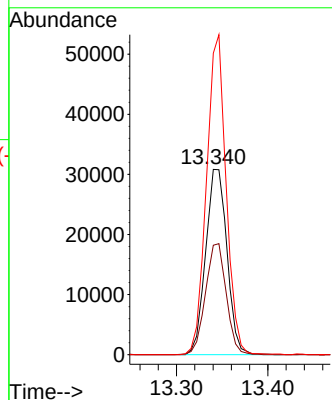
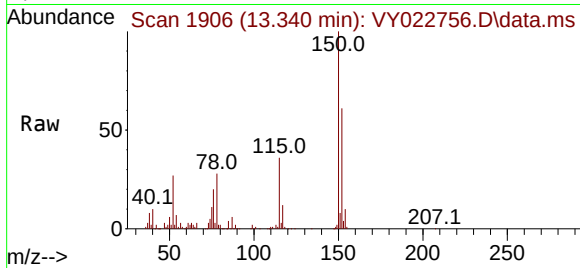




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY022756.D
 Acq: 19 Jun 2025 15:36

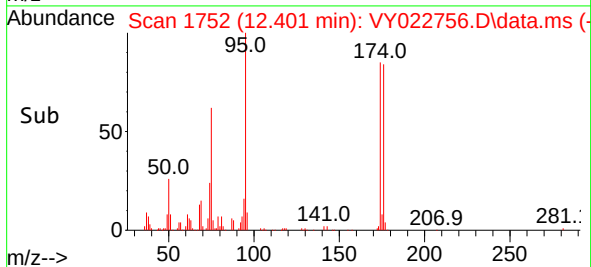
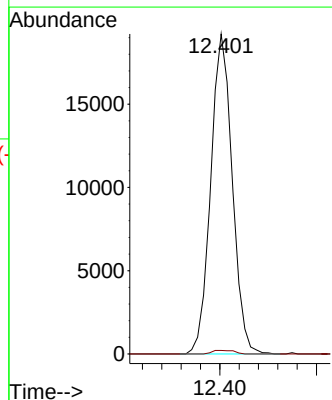
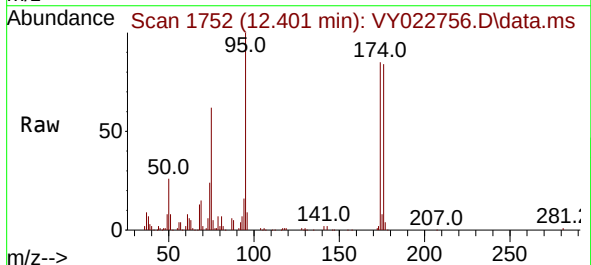
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

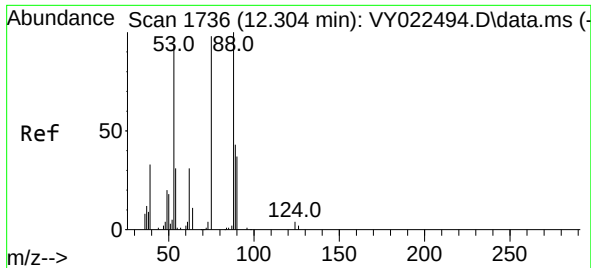
Tgt Ion:152 Resp: 49912
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.9 86.7
 150 158.5 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 52.064 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022756.D
 Acq: 19 Jun 2025 15:36

Tgt Ion: 75 Resp: 29729
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.731 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022756.D
 Acq: 19 Jun 2025 15:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 29729
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.2 35.7 53.5#

