

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073025\
 Data File : VW031961.D
 Acq On : 30 Jul 2025 14:38
 Operator : SY/MD
 Sample : Q2726-01
 Misc : 5.06g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WBR-PBO

Quant Time: Jul 31 02:32:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

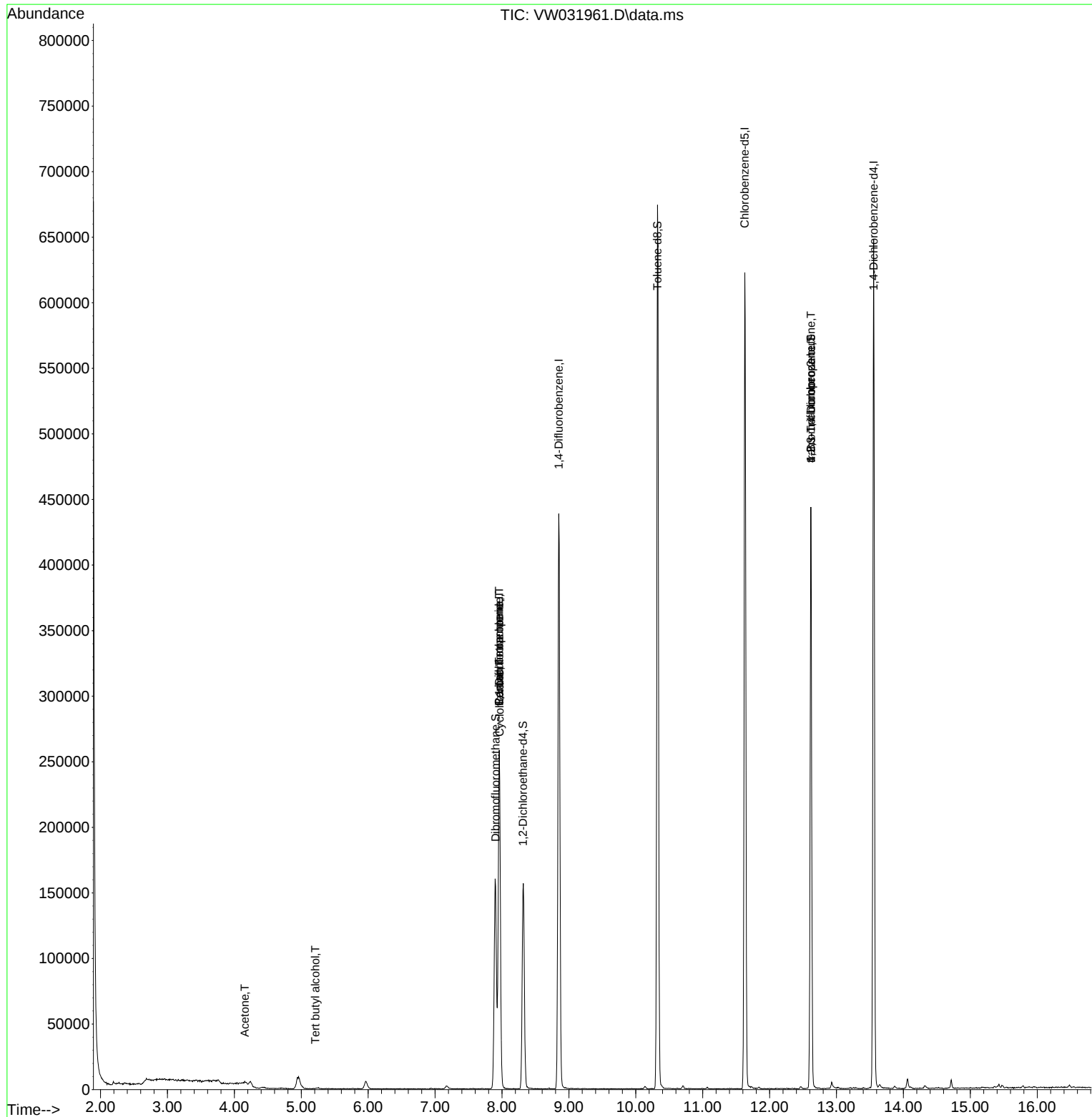
Internal Standards						
1) Pentafluorobenzene	7.959	168	171655	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	372151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	161706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	131622	50.688	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 101.380%		
35) Dibromofluoromethane	7.904	113	117086	46.301	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 92.600%		
50) Toluene-d8	10.325	98	443877	46.378	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 92.760%		
62) 4-Bromofluorobenzene	12.617	95	155934	42.431	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 84.860%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.210	59	168	1.101	ug/l	# 72
13) Acrolein	3.929	56	109	Below Cal	#	83
16) Acetone	4.155	43	5319	8.632	ug/l	# 86
20) Methylene Chloride	4.948	84	3969	Below Cal		95
31) Cyclohexane	7.965	56	4438	1.114	ug/l	# 12
36) 1,1-Dichloropropene	7.959	75	16837	4.335	ug/l	# 50
38) Carbon Tetrachloride	7.959	117	20577	5.521	ug/l	# 17
76) 1,2,3-Trichloropropane	12.617	75	82512	36.958	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	82512	85.325	ug/l	# 8

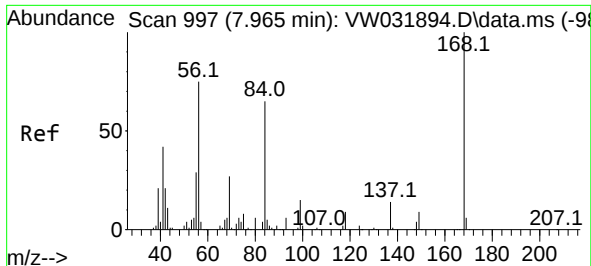
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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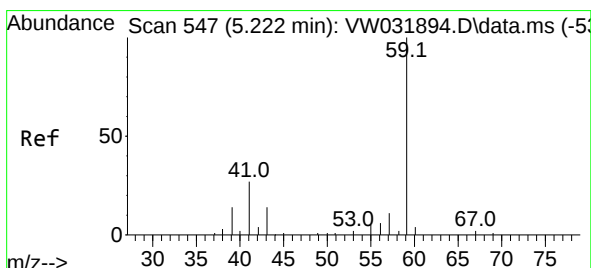
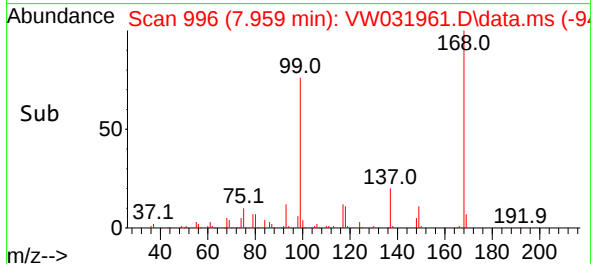
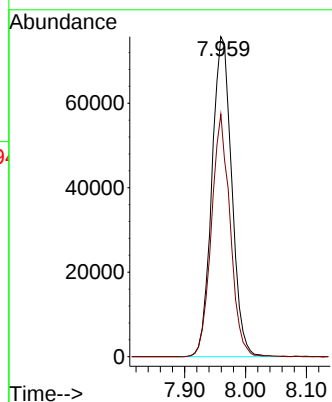
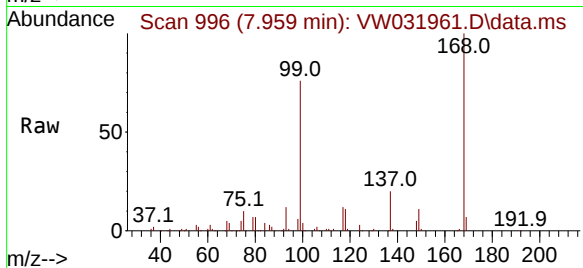




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

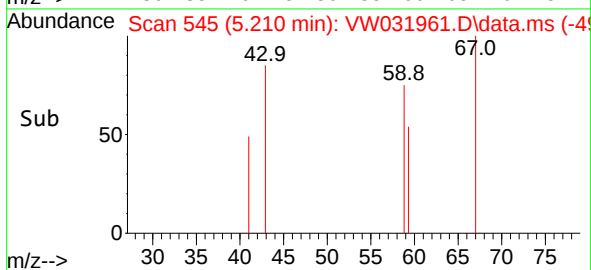
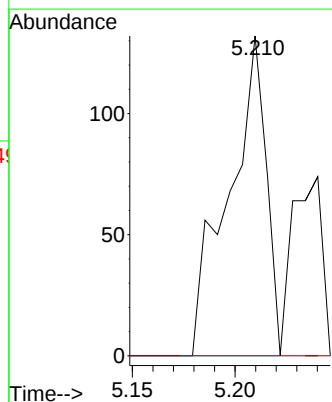
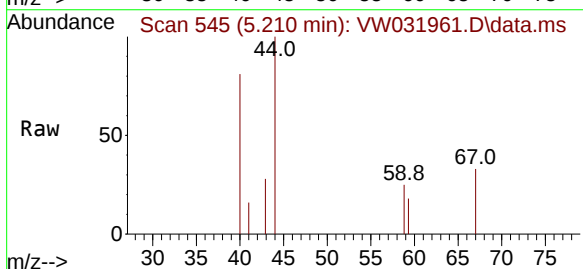
Instrument :
MSVOA_W
ClientSampleId :
WBR-PBO

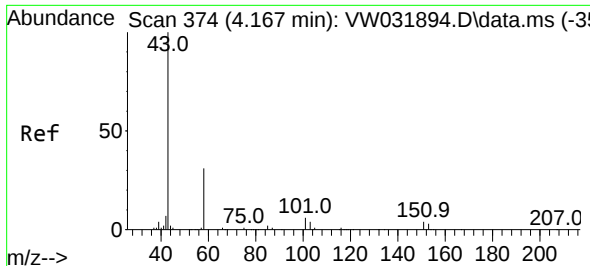
Tgt Ion:168 Resp: 171655
Ion Ratio Lower Upper
168 100
99 75.8 48.2 72.2#



#11
Tert butyl alcohol
Concen: 1.101 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

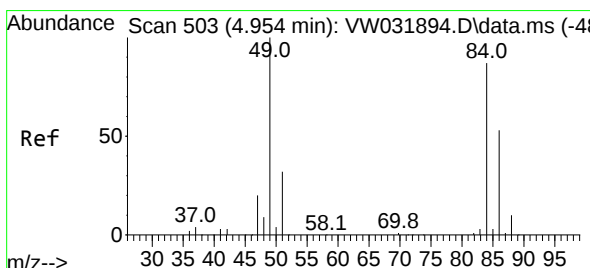
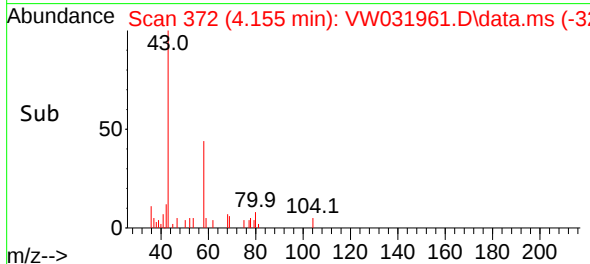
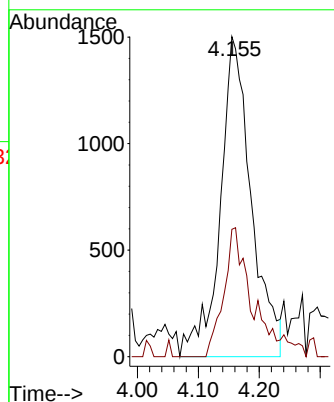
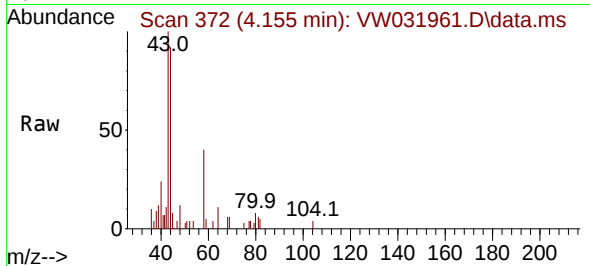




#16
 Acetone
 Concen: 8.632 ug/l
 RT: 4.155 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: VW031961.D
 Acq: 30 Jul 2025 14:38

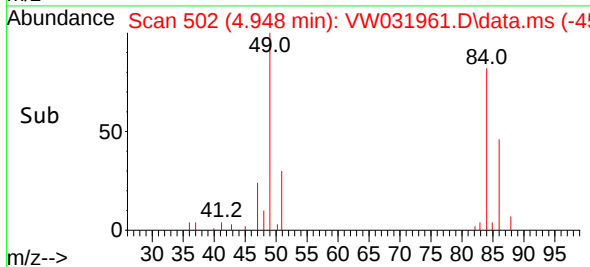
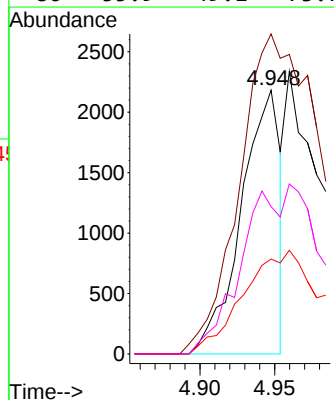
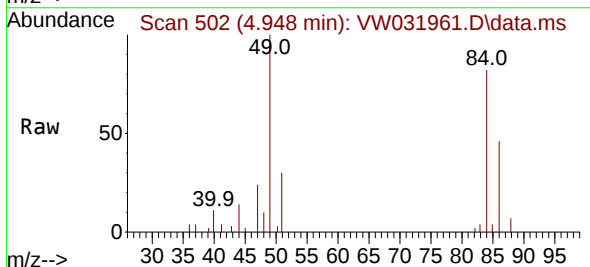
Instrument :
 MSVOA_W
 ClientSampleId :
 WBR-PBO

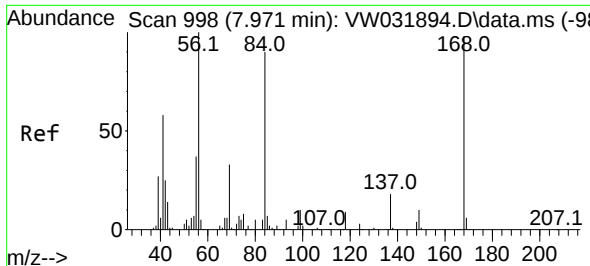
Tgt Ion: 43 Resp: 5319
 Ion Ratio Lower Upper
 43 100
 58 39.8 25.5 38.3#



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 4.948 min Scan# 502
 Delta R.T. -0.006 min
 Lab File: VW031961.D
 Acq: 30 Jul 2025 14:38

Tgt Ion: 84 Resp: 3969
 Ion Ratio Lower Upper
 84 100
 49 121.4 91.9 137.9
 51 36.0 29.0 43.6
 86 55.9 49.1 73.7

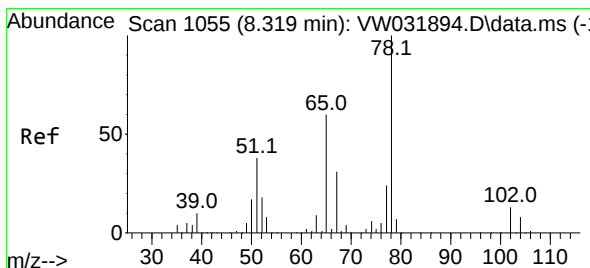
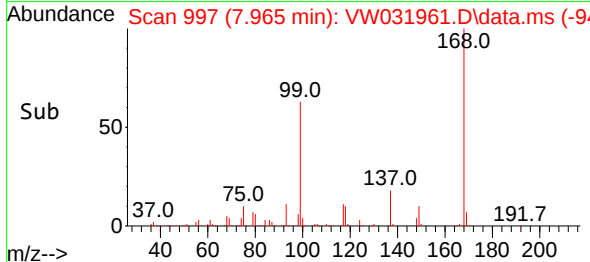
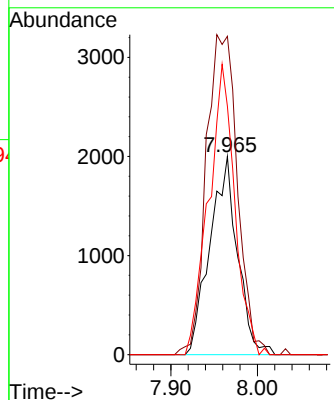
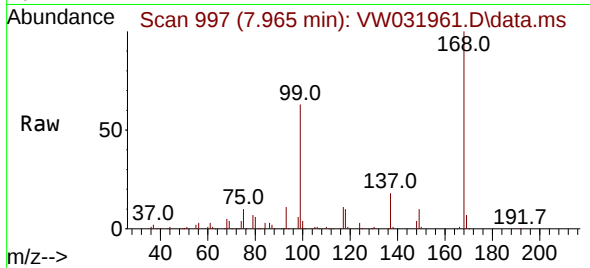




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

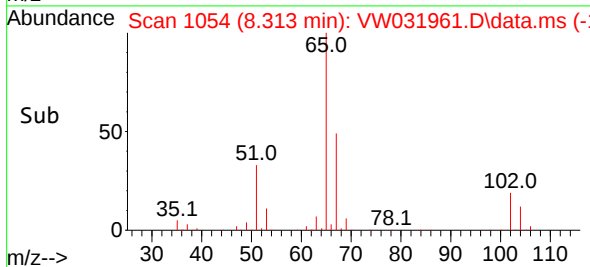
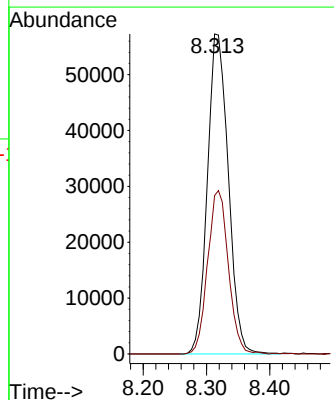
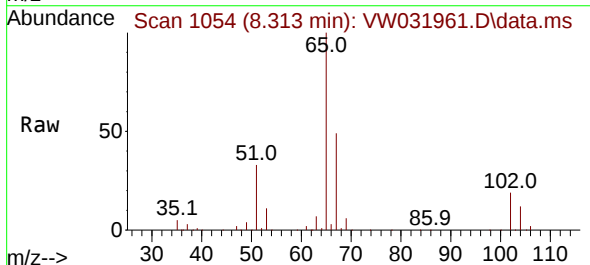
Instrument :
MSVOA_W
ClientSampleId :
WBR-PBO

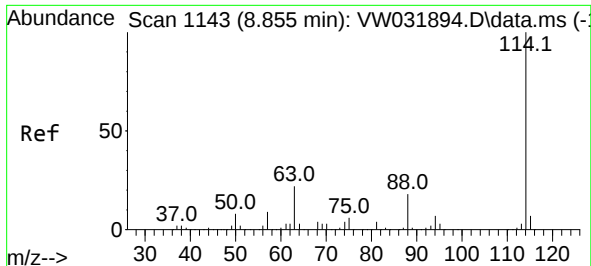
Tgt Ion: 56 Resp: 4438
Ion Ratio Lower Upper
56 100
69 160.7 26.7 40.1#
84 125.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 50.688 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

Tgt Ion: 65 Resp: 131622
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031961.D

Acq: 30 Jul 2025 14:38

Instrument :

MSVOA_W

ClientSampleId :

WBR-PBO

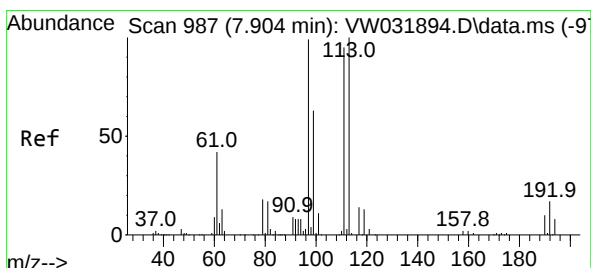
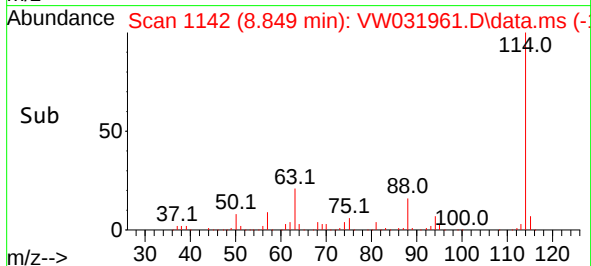
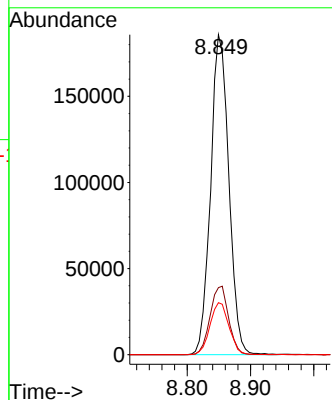
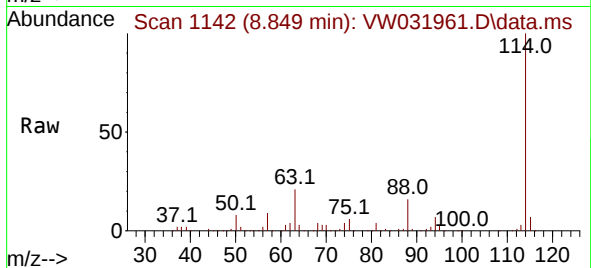
Tgt Ion:114 Resp: 372151

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.2

88 16.3 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.301 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031961.D

Acq: 30 Jul 2025 14:38

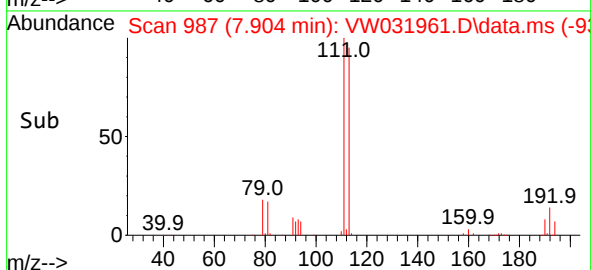
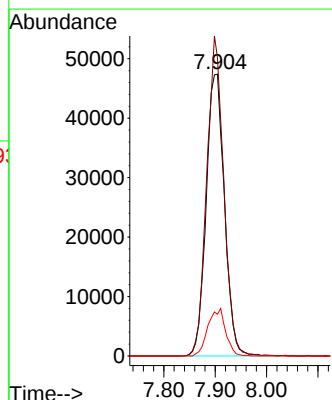
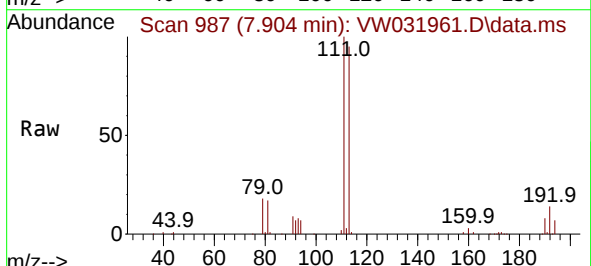
Tgt Ion:113 Resp: 117086

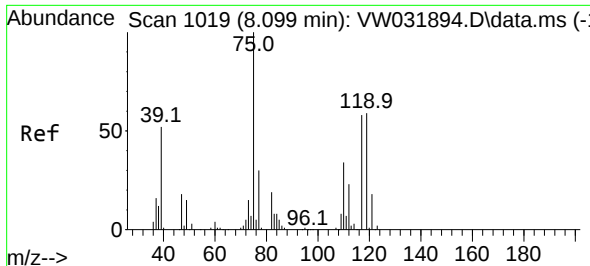
Ion Ratio Lower Upper

113 100

111 105.8 79.9 119.9

192 16.3 12.6 19.0

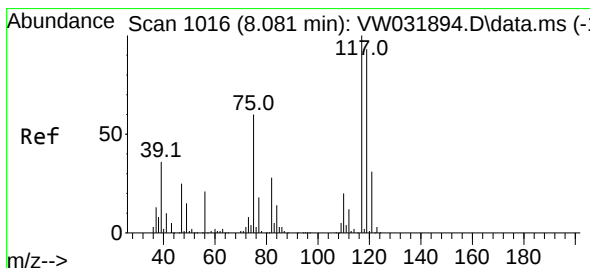
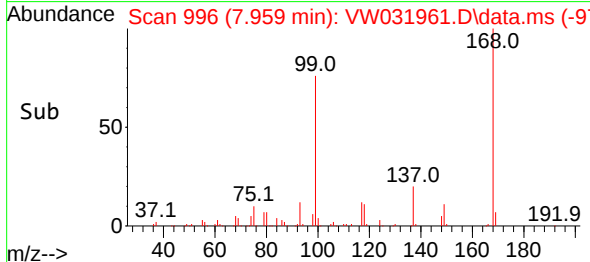
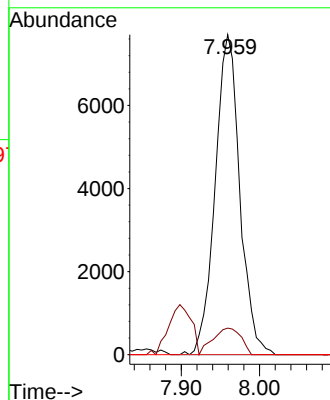
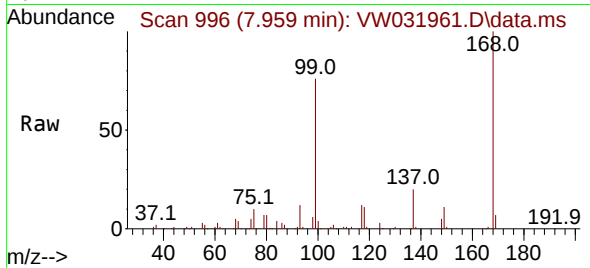




#36
1,1-Dichloropropene
Concen: 4.335 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

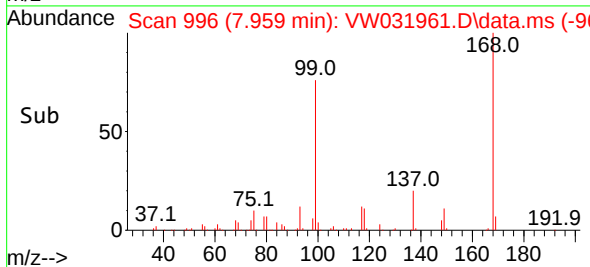
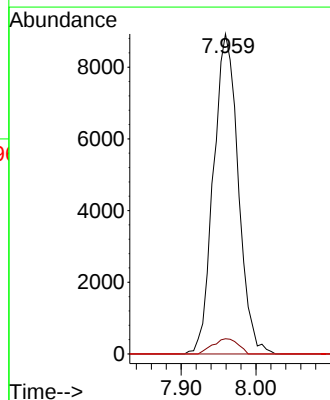
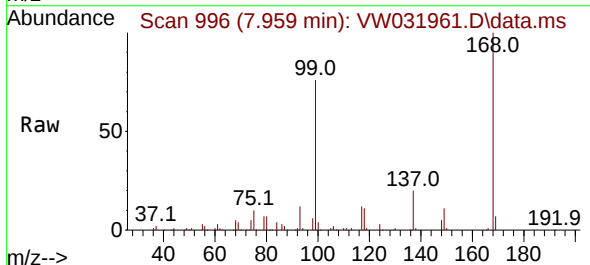
Instrument :
MSVOA_W
ClientSampleId :
WBR-PBO

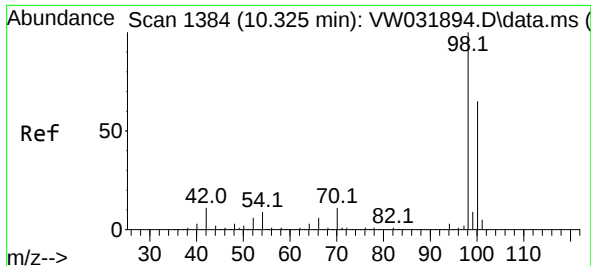
Tgt Ion: 75 Resp: 16837
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

Tgt Ion: 117 Resp: 20577
Ion Ratio Lower Upper
117 100
119 4.8 74.3 111.5#
121 0.0 24.6 37.0#

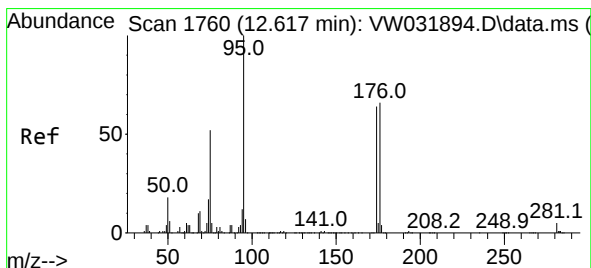
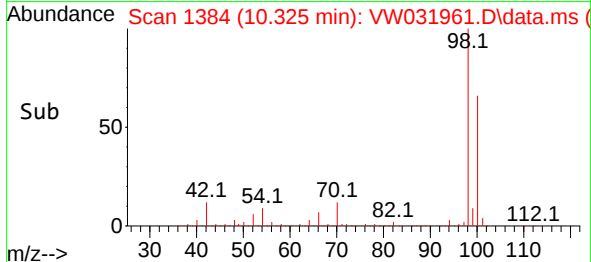
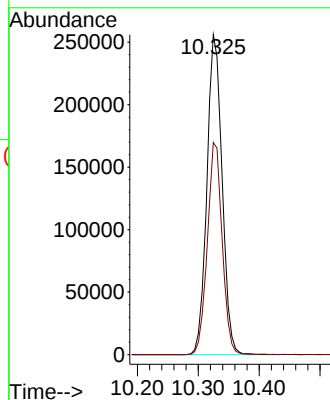
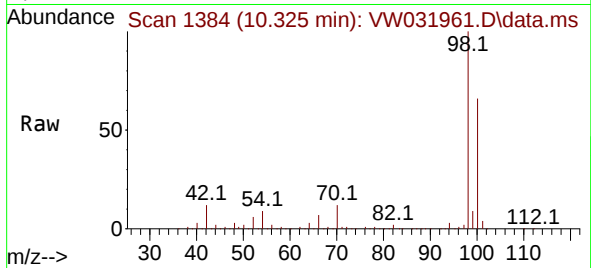




#50
Toluene-d8
Concen: 46.378 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

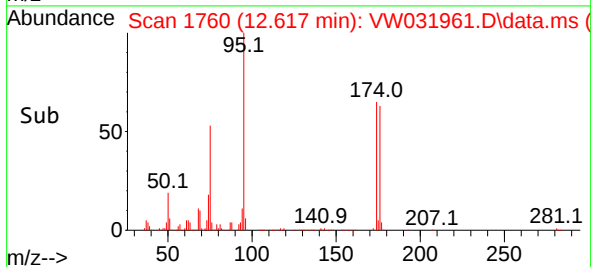
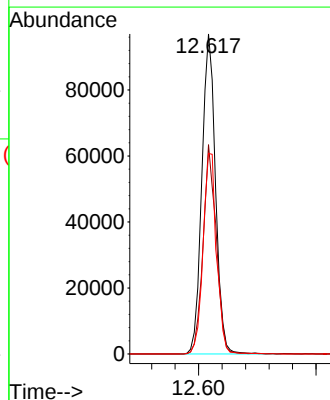
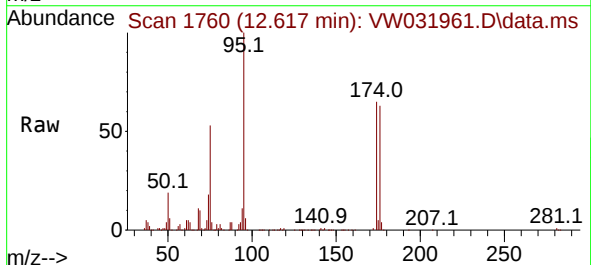
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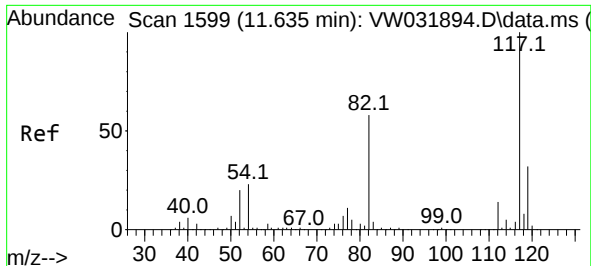
Tgt Ion: 98 Resp: 443877
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.431 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

Tgt Ion: 95 Resp: 155934
Ion Ratio Lower Upper
95 100
174 63.1 0.0 129.8
176 62.0 0.0 130.4

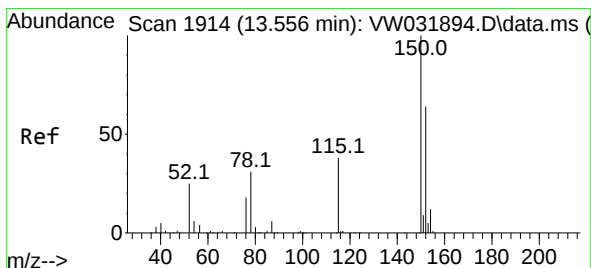
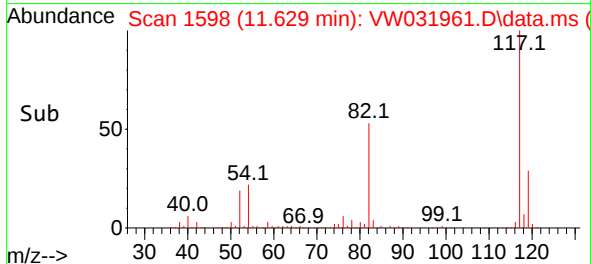
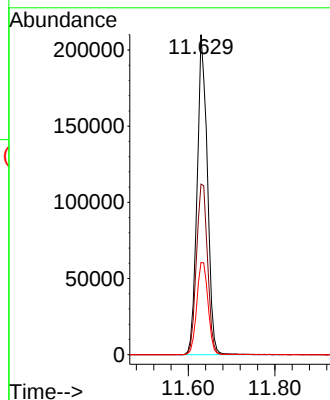
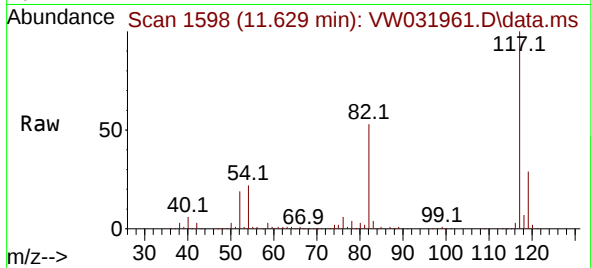




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

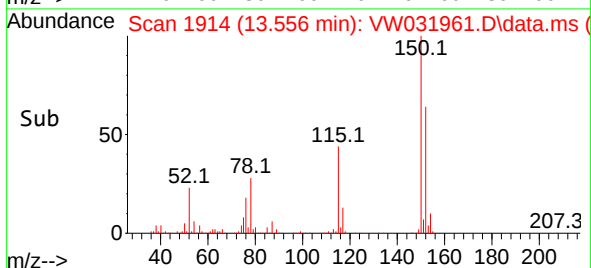
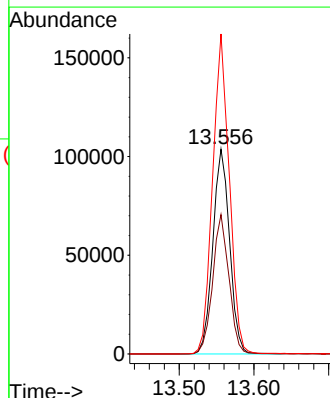
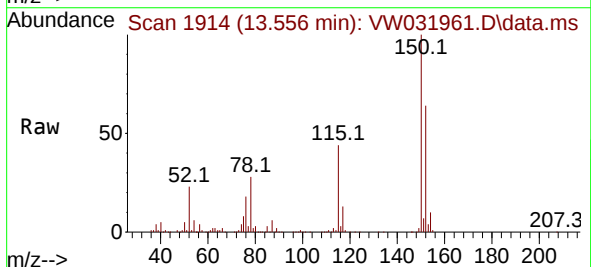
Instrument :
MSVOA_W
ClientSampleId :
WBR-PBO

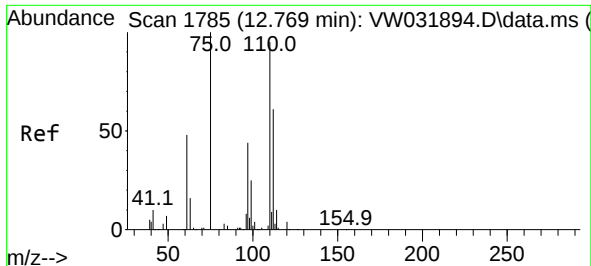
Tgt Ion:117 Resp: 345071
Ion Ratio Lower Upper
117 100
82 53.3 46.5 69.7
119 28.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

Tgt Ion:152 Resp: 161706
Ion Ratio Lower Upper
152 100
115 66.3 33.4 100.1
150 155.5 0.0 352.2

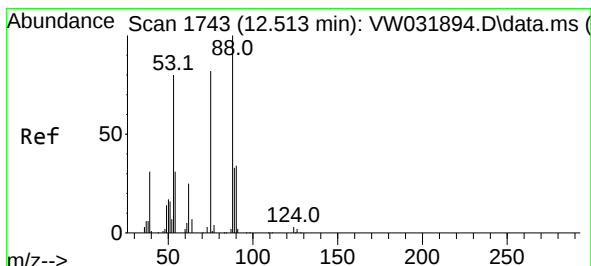
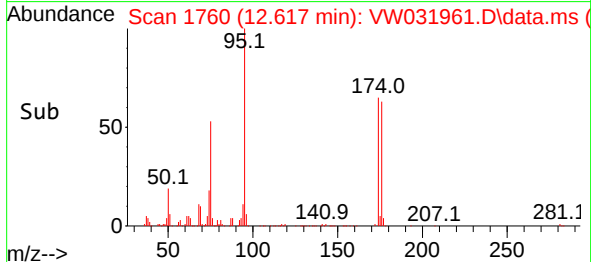
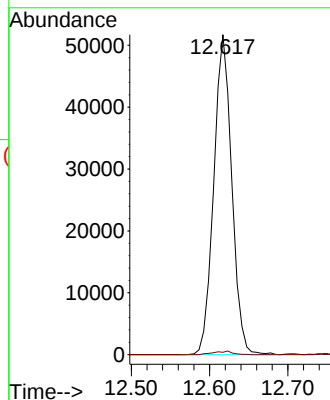
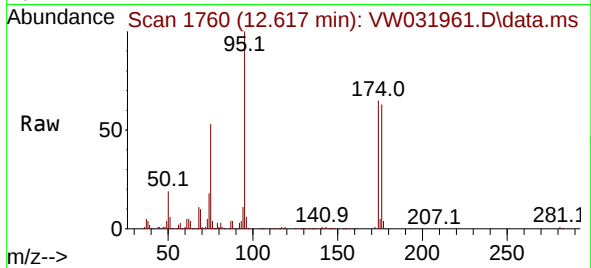




#76
1,2,3-Trichloropropane
Concen: 36.958 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

Instrument :
MSVOA_W
ClientSampleId :
WBR-PBO

Tgt Ion: 75 Resp: 82512
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.325 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031961.D
Acq: 30 Jul 2025 14:38

Tgt Ion: 75 Resp: 82512
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#

