

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032033.D
 Acq On : 06 Aug 2025 16:57
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 07 02:21:31 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)

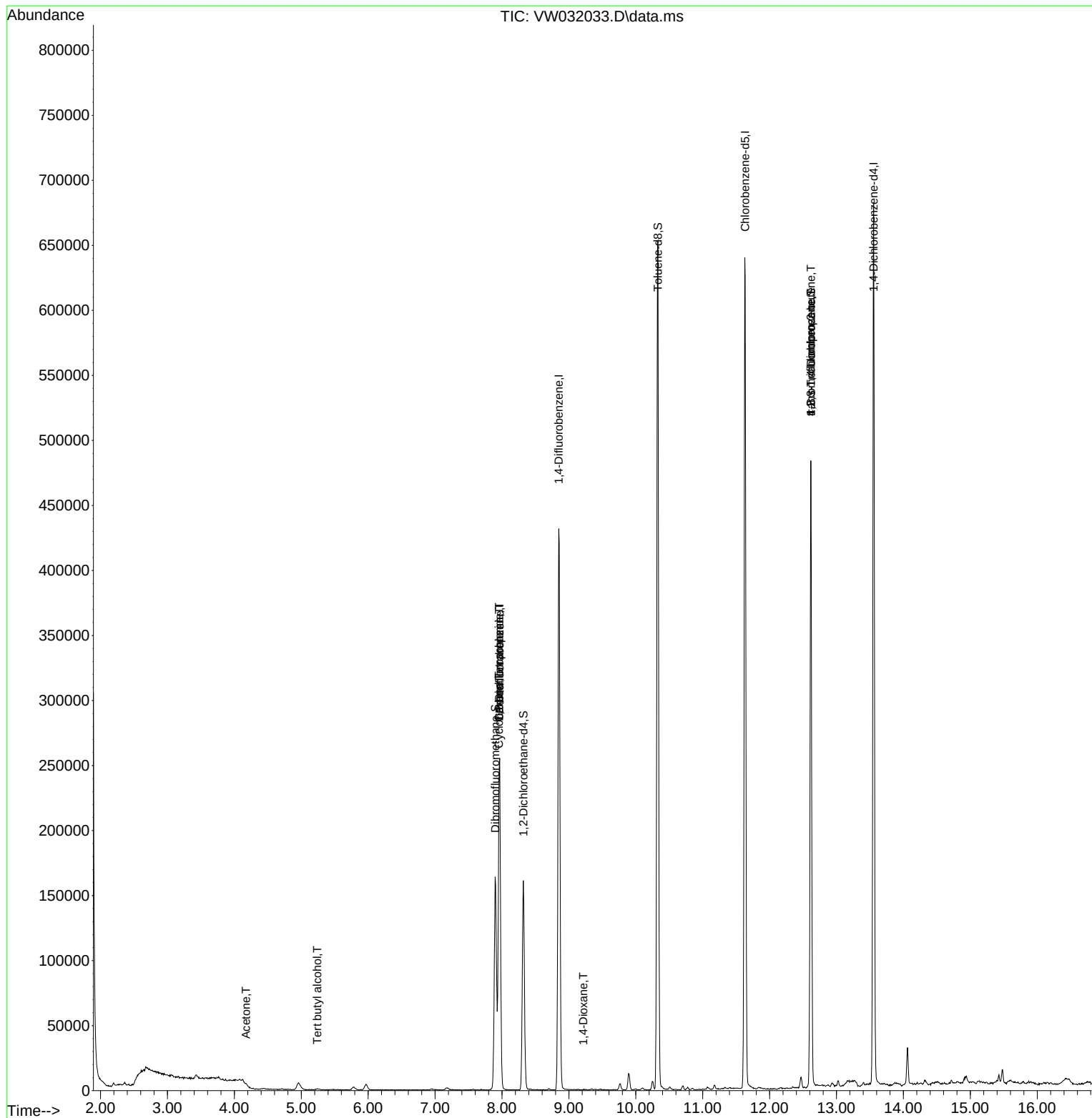
Internal Standards						
1) Pentafluorobenzene	7.965	168	180707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	376153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	354224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129751	47.465	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	94.920%	
35) Dibromofluoromethane	7.898	113	120716	47.228	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	94.460%	
50) Toluene-d8	10.331	98	452730	46.800	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	93.600%	
62) 4-Bromofluorobenzene	12.617	95	174618	47.010	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	94.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.240	59	477	2.969	ug/l #	72
13) Acrolein	4.003	56	111	Below Cal	#	76
16) Acetone	4.173	43	4249	6.550	ug/l #	84
20) Methylene Chloride	4.960	84	4411	Below Cal		93
31) Cyclohexane	7.953	56	4414	1.053	ug/l #	7
36) 1,1-Dichloropropene	7.959	75	16723	4.260	ug/l #	49
38) Carbon Tetrachloride	7.959	117	20091	5.333	ug/l #	17
49) 1,4-Dioxane	9.215	88	23	1.329	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	87770	37.103	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	87770	85.660	ug/l #	8

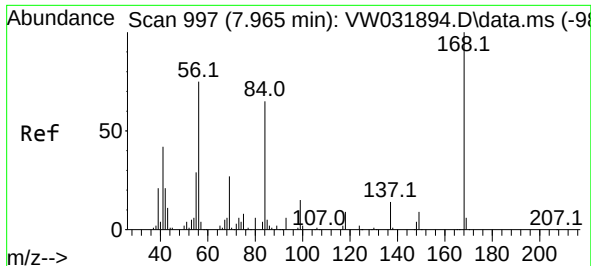
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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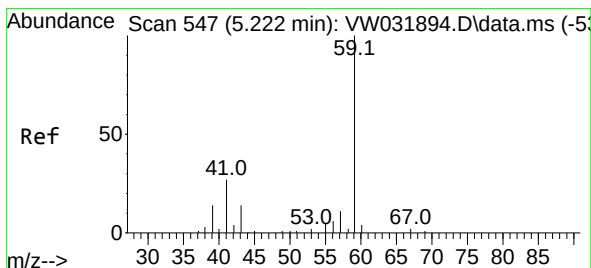
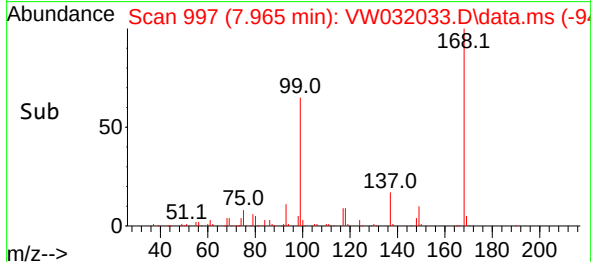
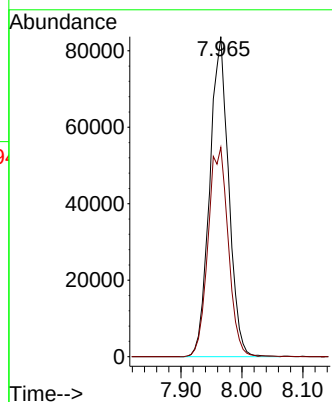
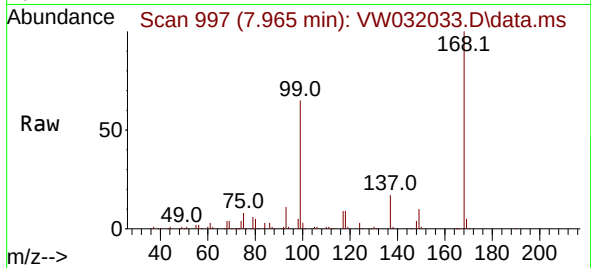




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

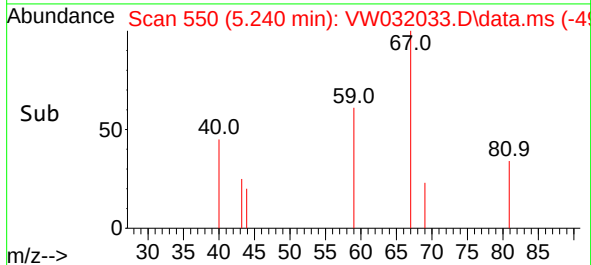
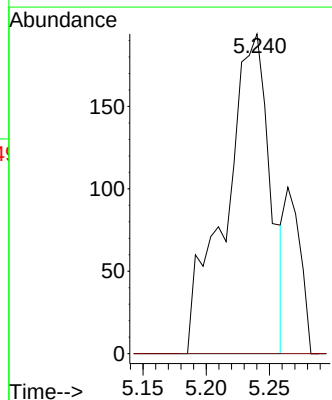
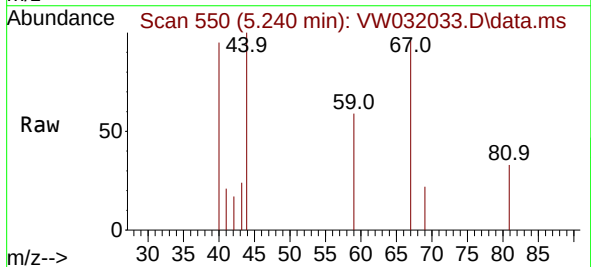
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

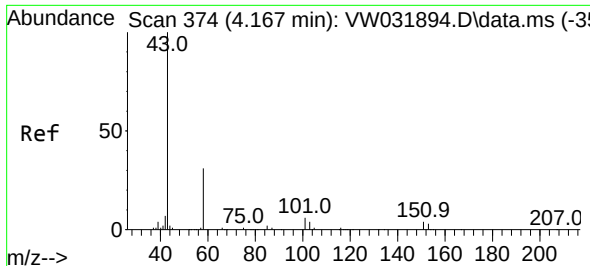
Tgt Ion:168 Resp: 180707
Ion Ratio Lower Upper
168 100
99 65.4 48.2 72.2



#11
Tert butyl alcohol
Concen: 2.969 ug/l
RT: 5.240 min Scan# 550
Delta R.T. 0.018 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

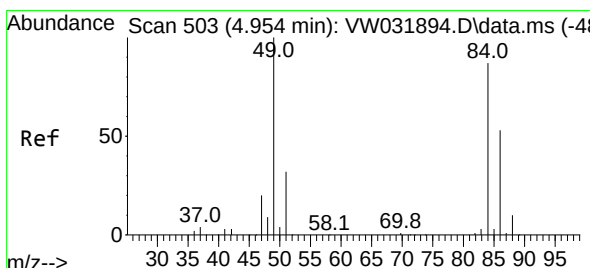
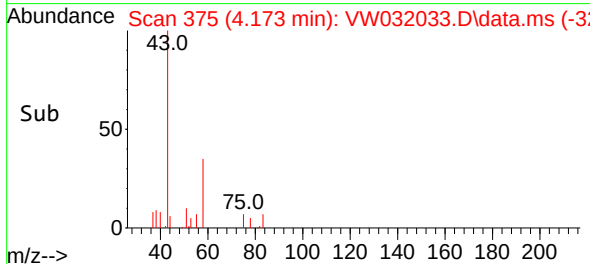
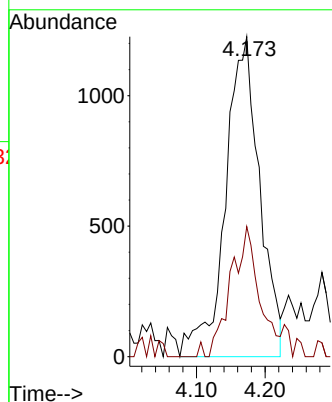
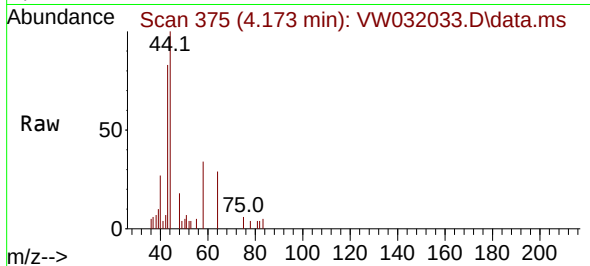




#16
 Acetone
 Concen: 6.550 ug/l
 RT: 4.173 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VW032033.D
 Acq: 06 Aug 2025 16:57

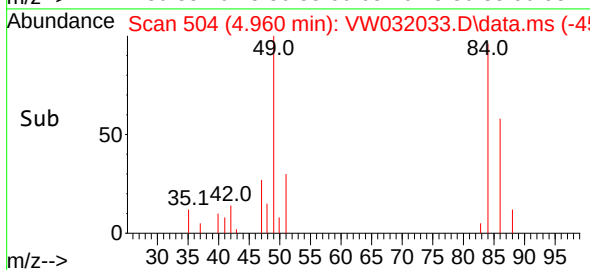
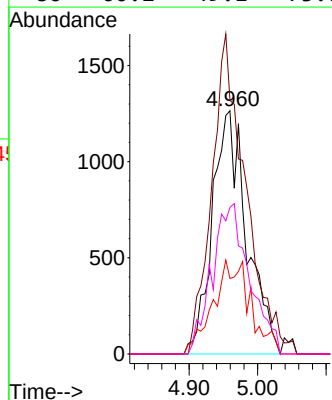
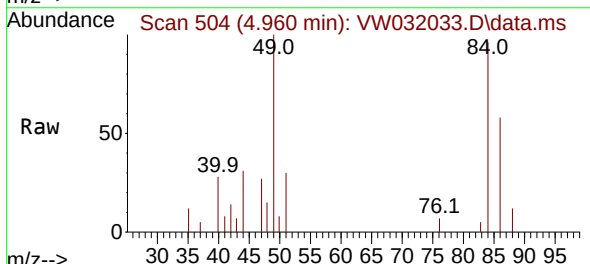
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

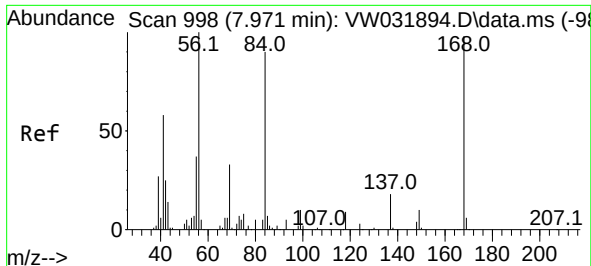
Tgt Ion: 43 Resp: 4249
 Ion Ratio Lower Upper
 43 100
 58 40.6 25.5 38.3#



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 4.960 min Scan# 504
 Delta R.T. 0.006 min
 Lab File: VW032033.D
 Acq: 06 Aug 2025 16:57

Tgt Ion: 84 Resp: 4411
 Ion Ratio Lower Upper
 84 100
 49 104.3 91.9 137.9
 51 31.1 29.0 43.6
 86 60.2 49.1 73.7

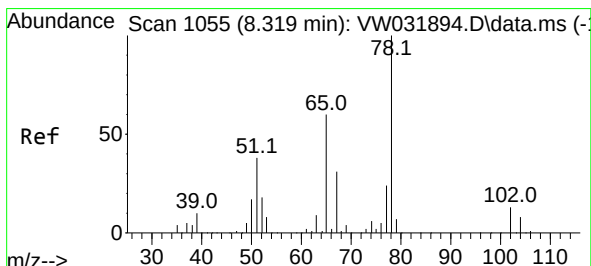
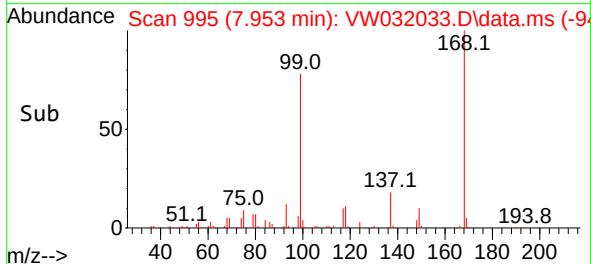
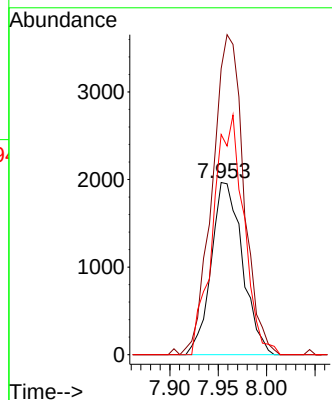
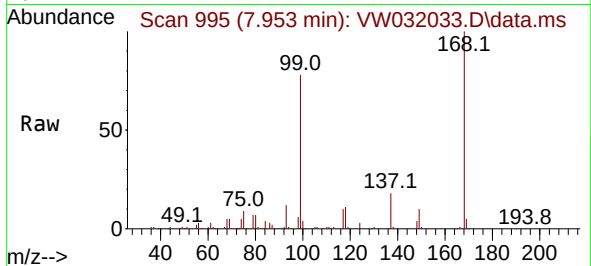




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

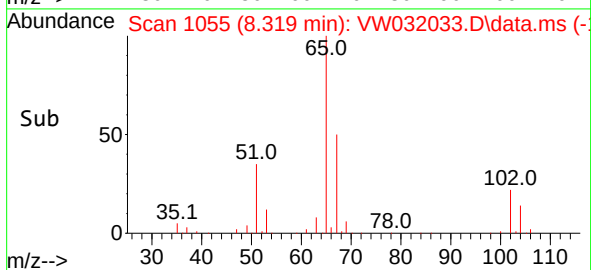
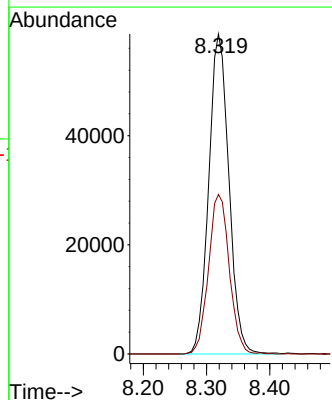
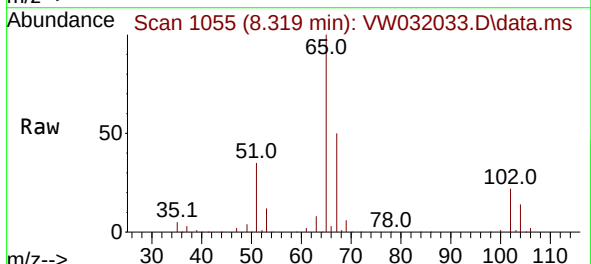
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

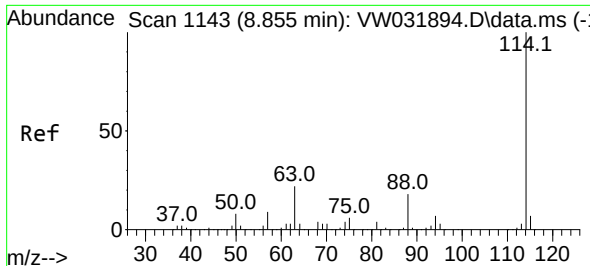
Tgt Ion: 56 Resp: 4414
Ion Ratio Lower Upper
56 100
69 166.1 26.7 40.1#
84 127.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 47.465 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

Tgt Ion: 65 Resp: 129751
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4

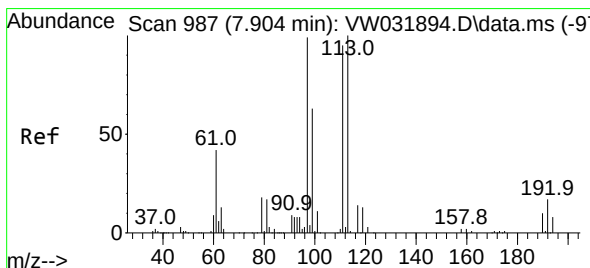
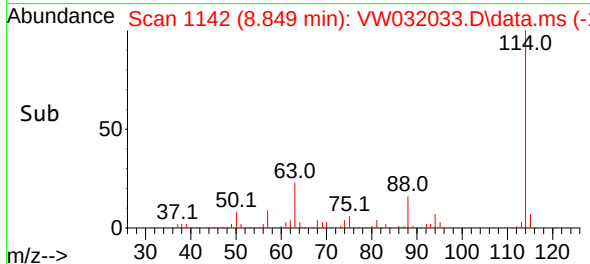
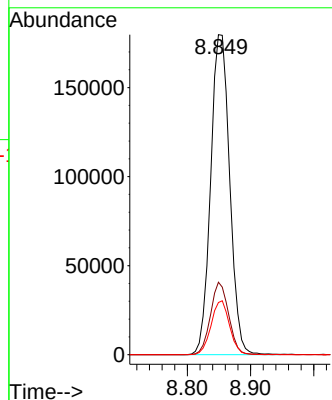
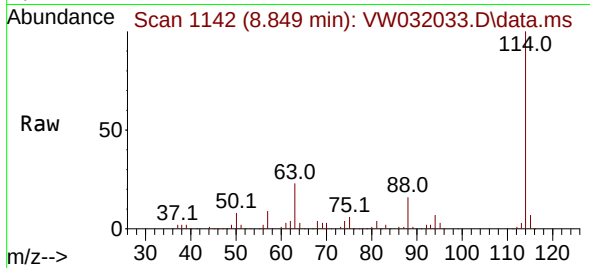




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

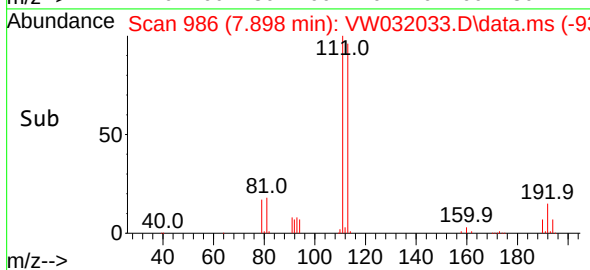
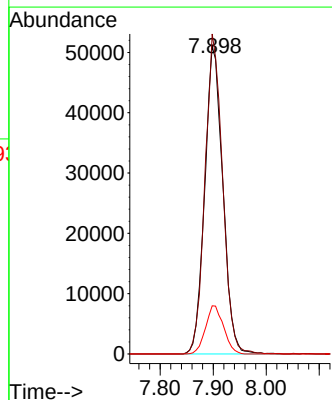
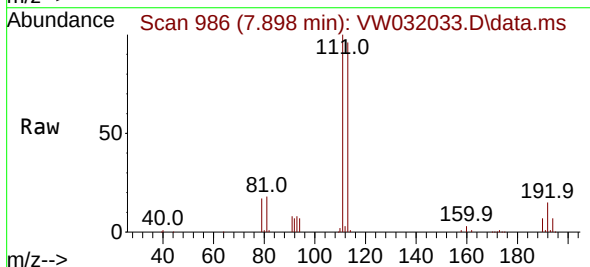
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

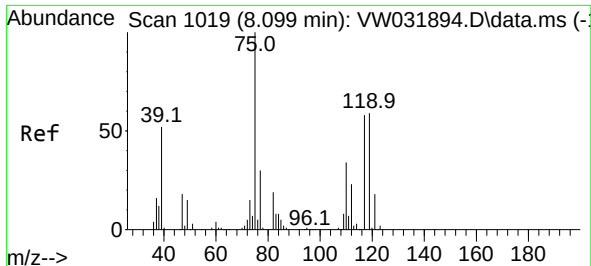
Tgt Ion:114 Resp: 376153
Ion Ratio Lower Upper
114 100
63 22.7 0.0 44.2
88 16.3 0.0 35.6



#35
Dibromofluoromethane
Concen: 47.228 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

Tgt Ion:113 Resp: 120716
Ion Ratio Lower Upper
113 100
111 101.4 79.9 119.9
192 15.7 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.260 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032033.D

Acq: 06 Aug 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

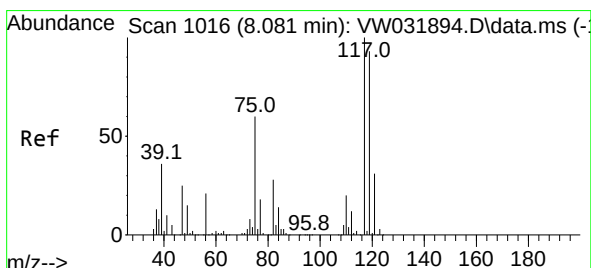
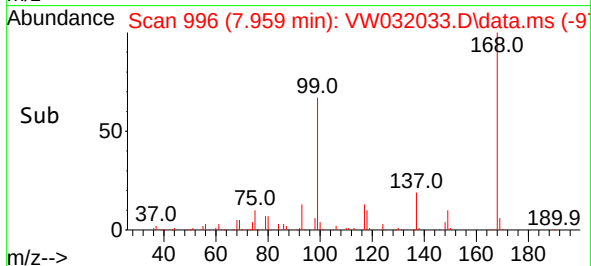
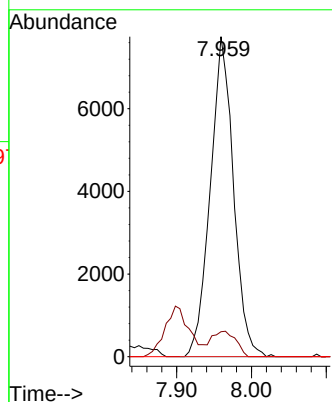
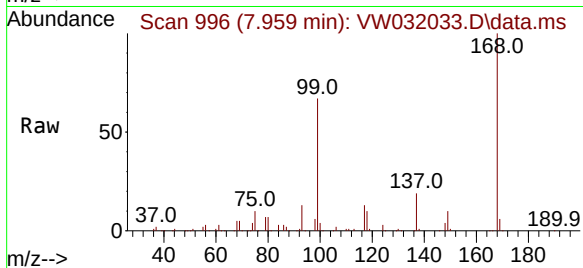
Tgt Ion: 75 Resp: 16723

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.333 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032033.D

Acq: 06 Aug 2025 16:57

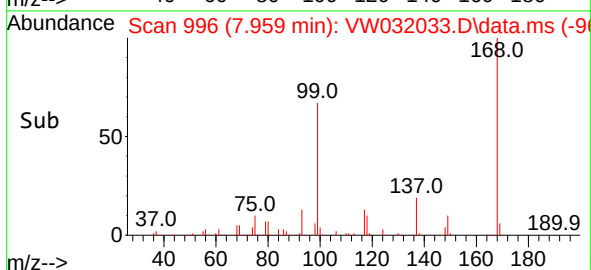
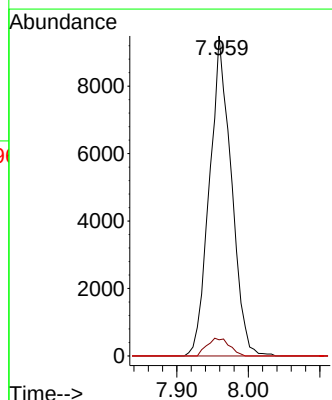
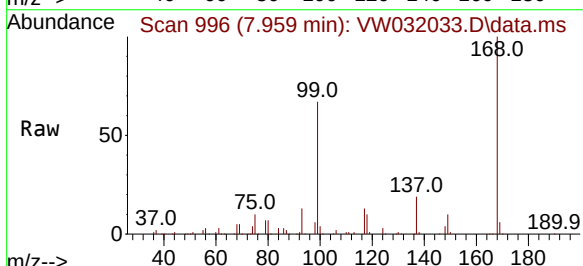
Tgt Ion: 117 Resp: 20091

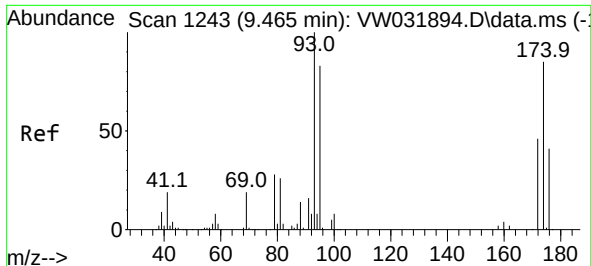
Ion Ratio Lower Upper

117 100

119 5.0 74.3 111.5#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.329 ug/l

RT: 9.215 min Scan# 11

Delta R.T. -0.250 min

Lab File: VW032033.D

Acq: 06 Aug 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

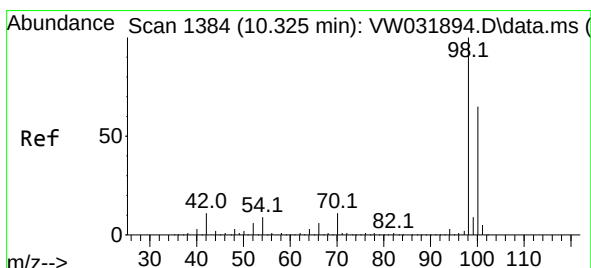
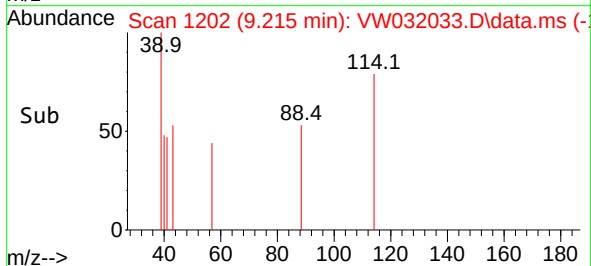
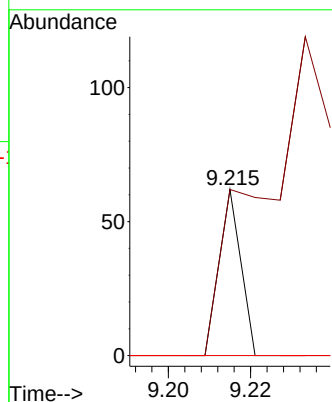
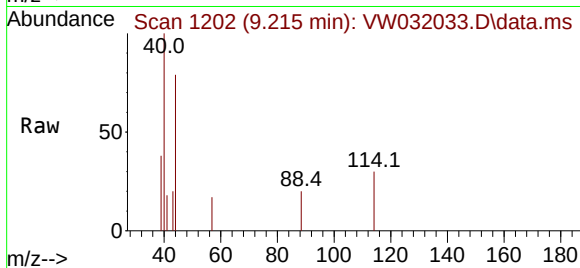
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 608.7 19.0 28.4#

58 0.0 58.2 87.2#



#50

Toluene-d8

Concen: 46.800 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032033.D

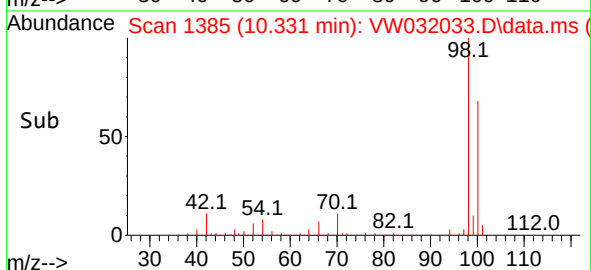
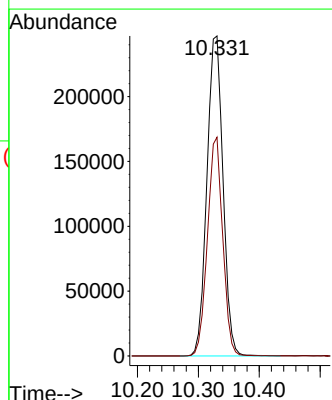
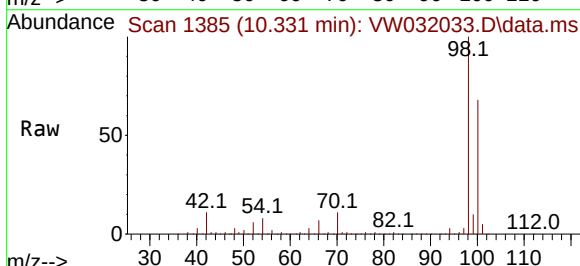
Acq: 06 Aug 2025 16:57

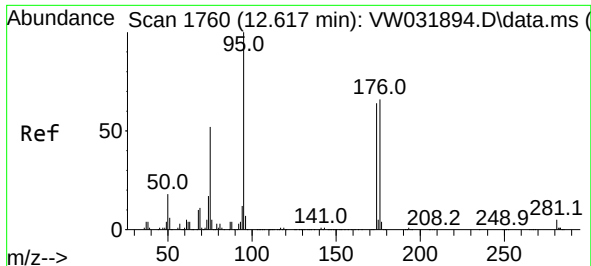
Tgt Ion: 98 Resp: 452730

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5

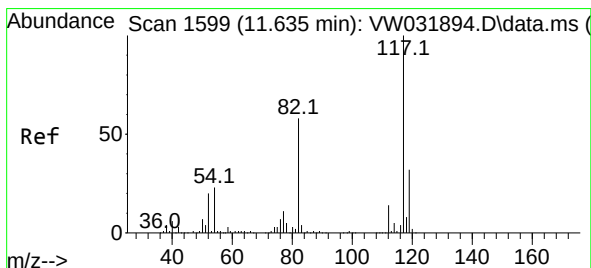
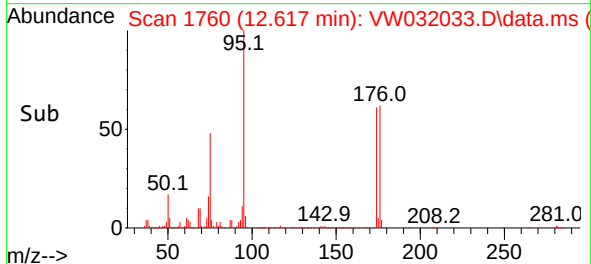
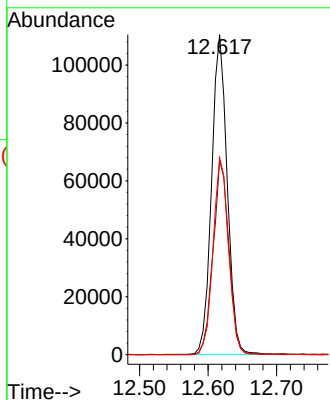
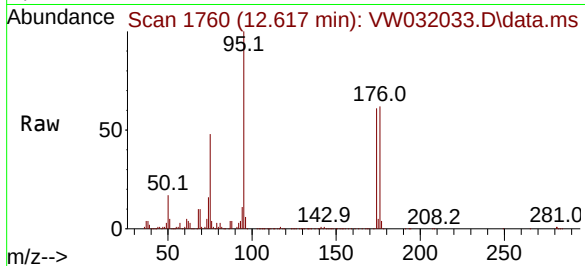




#62
4-Bromofluorobenzene
Concen: 47.010 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

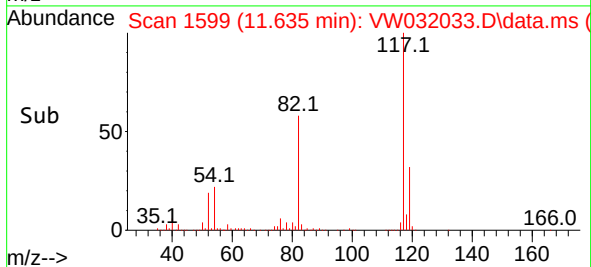
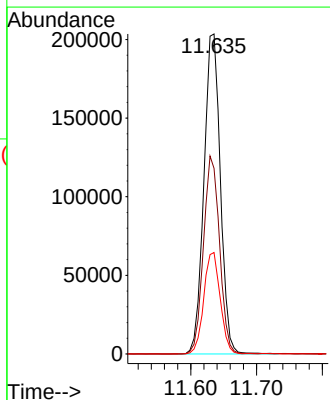
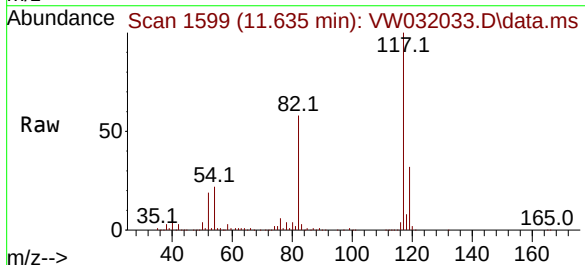
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

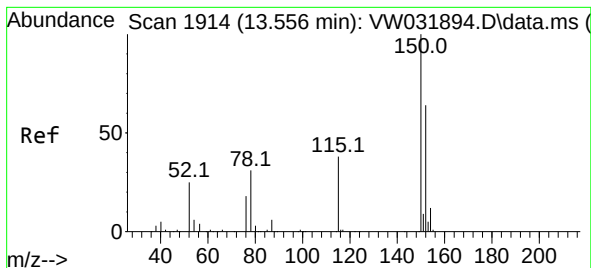
Tgt Ion: 95 Resp: 174618
Ion Ratio Lower Upper
95 100
174 61.5 0.0 129.8
176 61.3 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

Tgt Ion: 117 Resp: 354224
Ion Ratio Lower Upper
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82 57.9 46.5 69.7
119 31.7 25.8 38.6

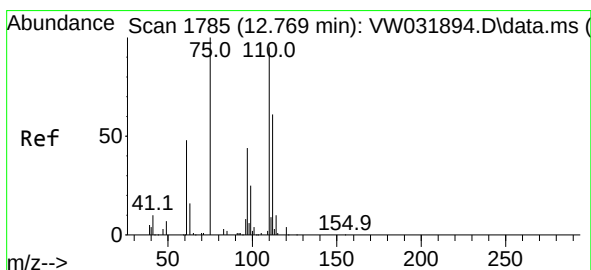
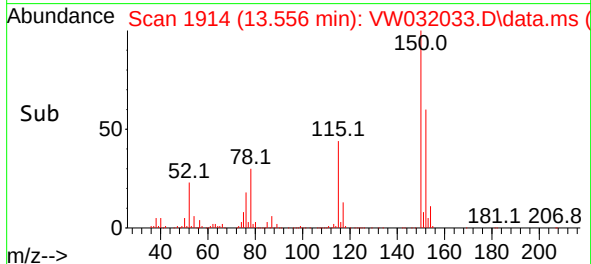
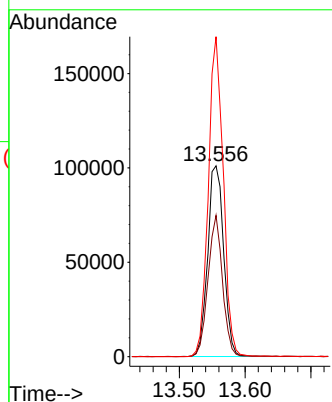
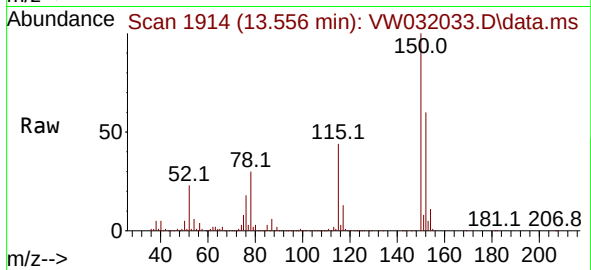




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032033.D
 Acq: 06 Aug 2025 16:57

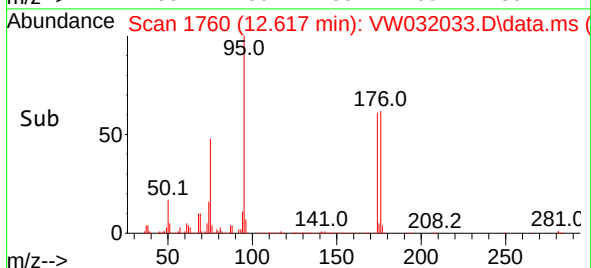
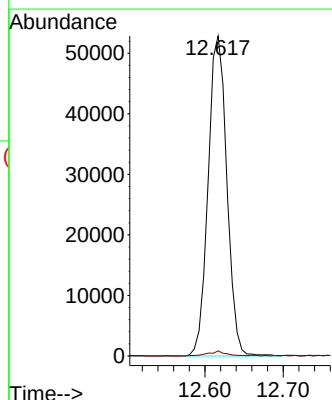
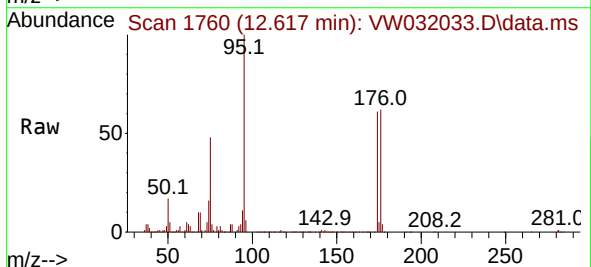
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

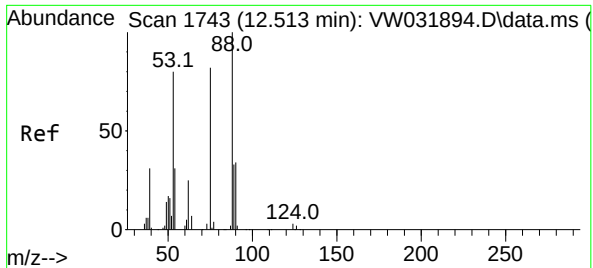
Tgt Ion:152 Resp: 171339
 Ion Ratio Lower Upper
 152 100
 115 67.5 33.4 100.1
 150 156.3 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 37.103 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW032033.D
 Acq: 06 Aug 2025 16:57

Tgt Ion: 75 Resp: 87770
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.660 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032033.D
 Acq: 06 Aug 2025 16:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 87770
 Ion Ratio Lower Upper
 75 100
 53 0.2 83.7 125.5#
 89 0.0 39.0 58.6#

