

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW032001.D
 Acq On : 04 Aug 2025 15:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 05 01:20:20 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)

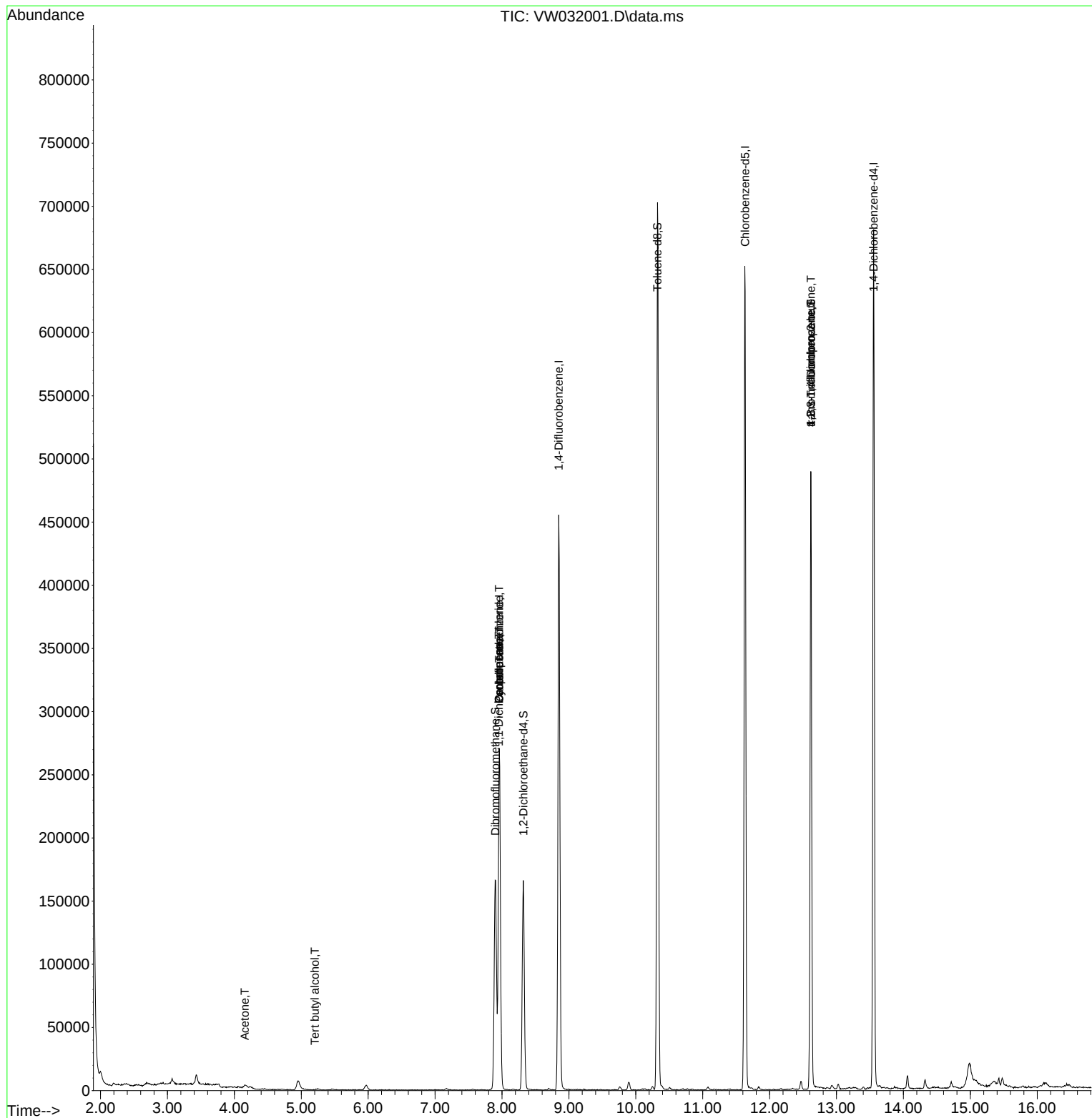
Internal Standards						
1) Pentafluorobenzene	7.959	168	188689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	378863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	354188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137522	48.179	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	96.360%	
35) Dibromofluoromethane	7.898	113	126692	49.212	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	98.420%	
50) Toluene-d8	10.325	98	481445	49.412	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	98.820%	
62) 4-Bromofluorobenzene	12.617	95	174562	46.658	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	93.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	195	1.162	ug/l #	72
13) Acrolein	3.948	56	101	Below Cal	#	1
16) Acetone	4.155	43	4434	6.546	ug/l #	84
20) Methylene Chloride	4.954	84	6295	Below Cal		92
31) Cyclohexane	7.959	56	4431	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	16447	4.160	ug/l #	50
38) Carbon Tetrachloride	7.959	117	20893	5.506	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	87862	36.273	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	87862	83.745	ug/l #	8

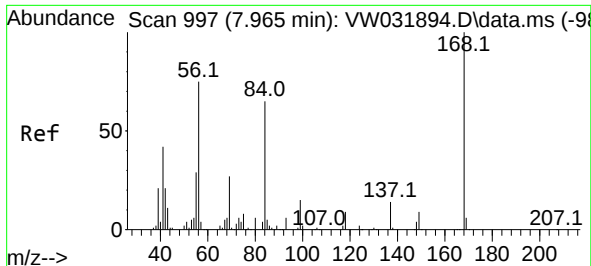
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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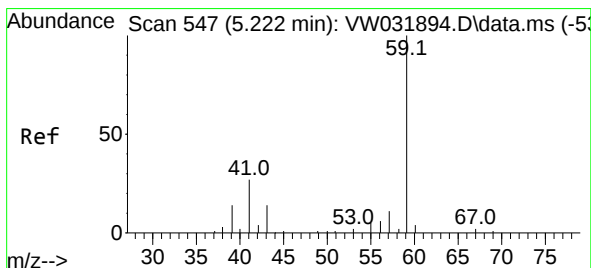
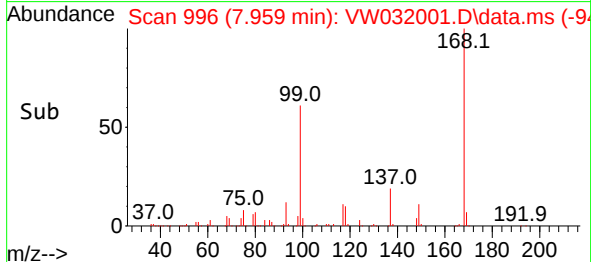
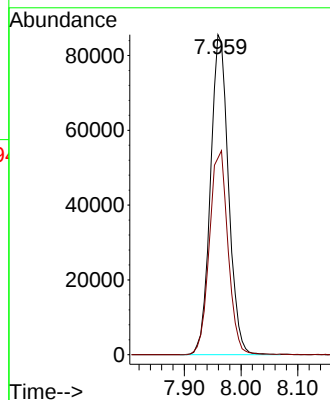
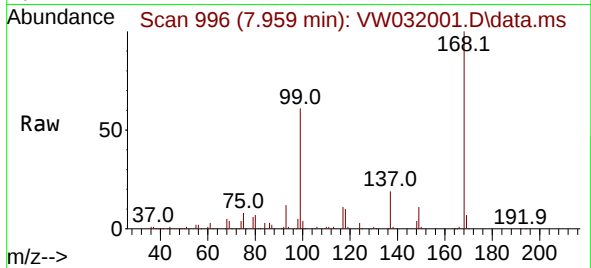




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

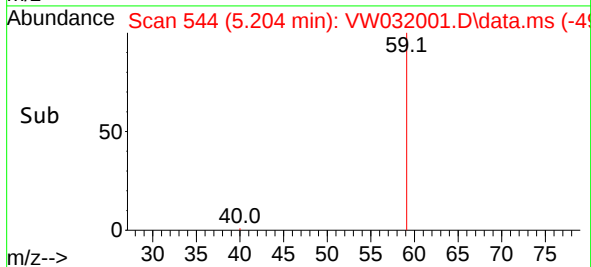
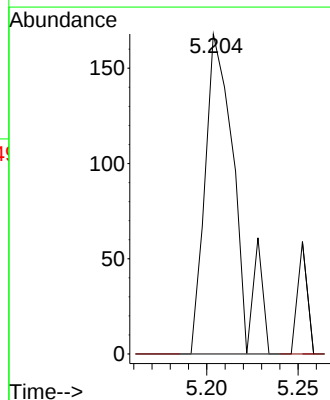
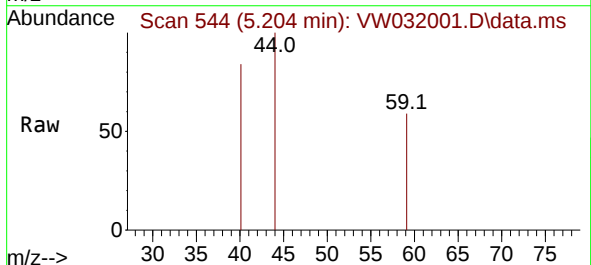
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

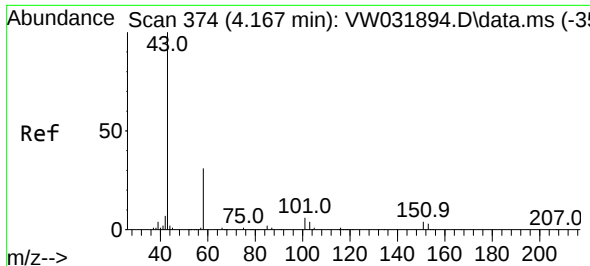
Tgt Ion:168 Resp: 188689
Ion Ratio Lower Upper
168 100
99 61.5 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.162 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.018 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

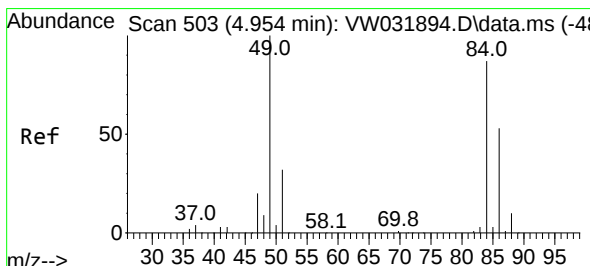
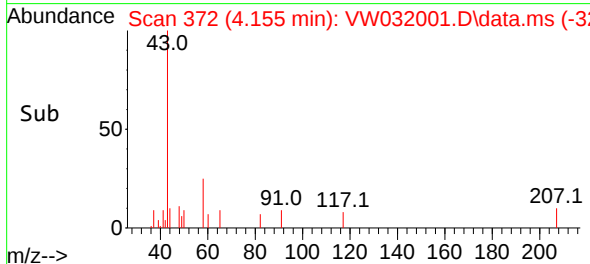
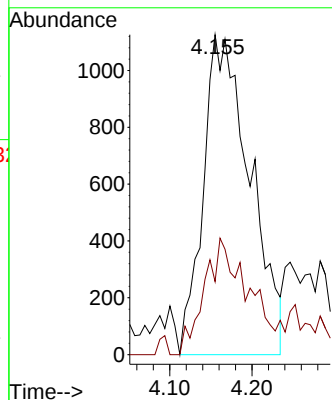
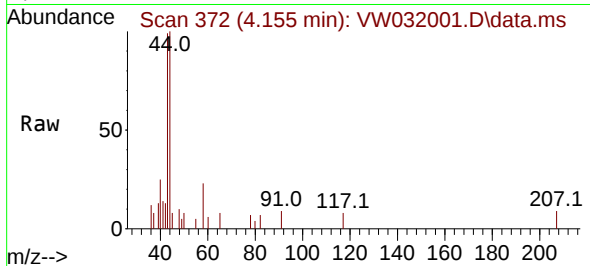




#16
Acetone
Concen: 6.546 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.012 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

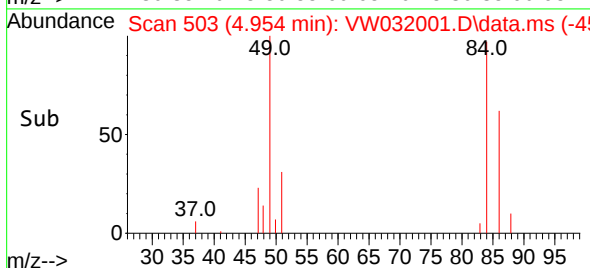
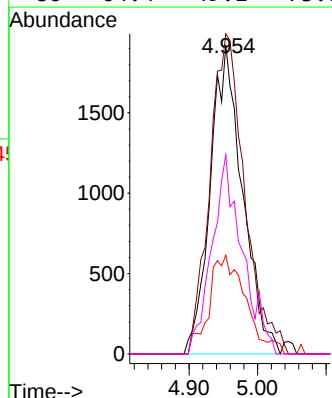
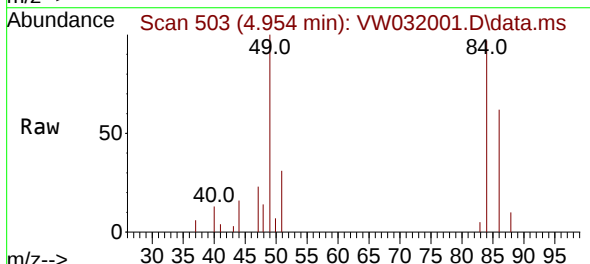
Instrument :
MSVOA_W
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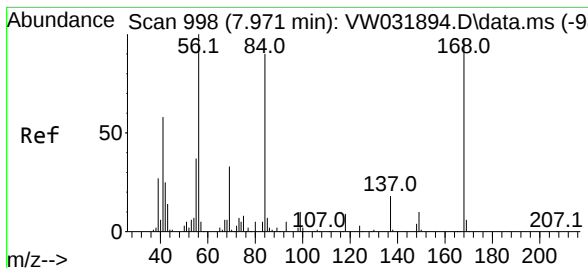
Tgt Ion: 43 Resp: 4434
Ion Ratio Lower Upper
43 100
58 22.8 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion: 84 Resp: 6295
Ion Ratio Lower Upper
84 100
49 103.5 91.9 137.9
51 31.9 29.0 43.6
86 64.4 49.1 73.7

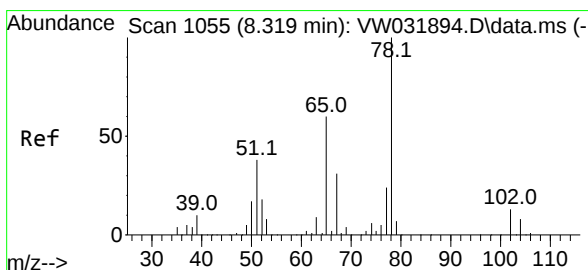
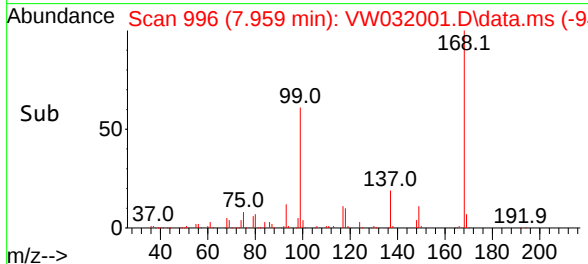
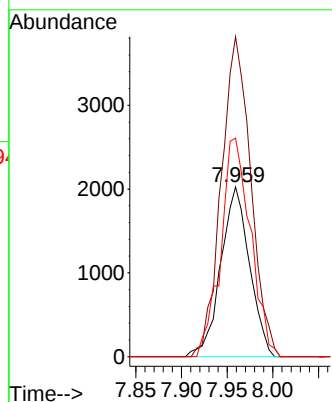
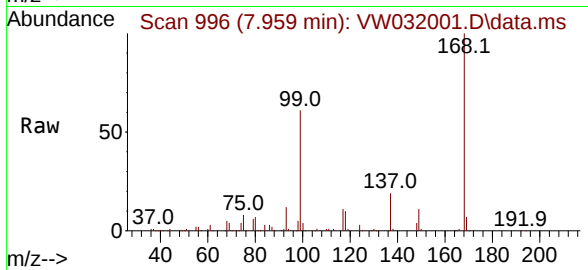




#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

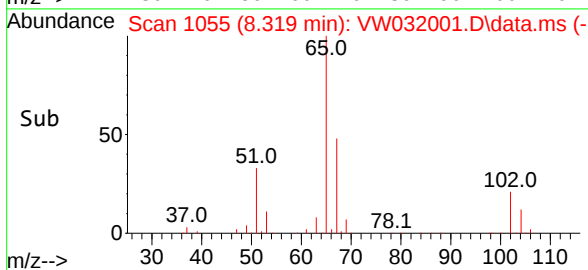
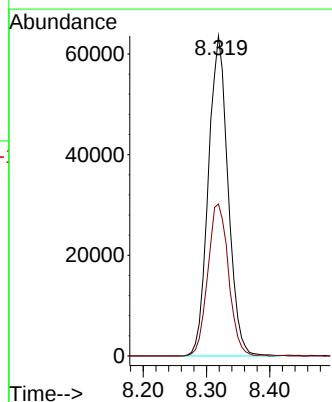
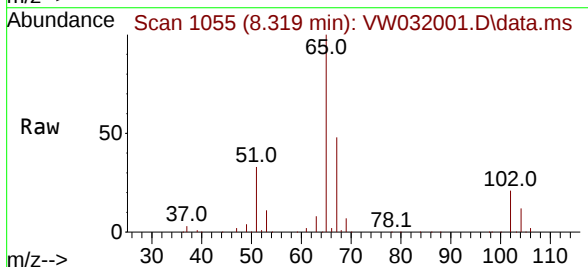
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

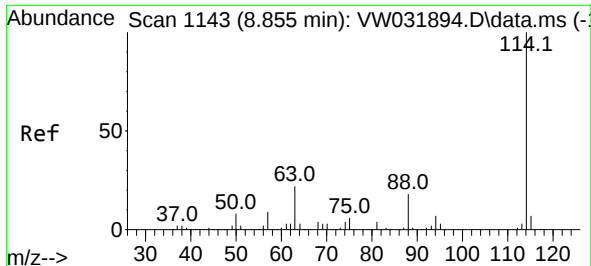
Tgt Ion: 56 Resp: 4431
Ion Ratio Lower Upper
56 100
69 188.5 26.7 40.1#
84 128.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 48.179 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion: 65 Resp: 137522
Ion Ratio Lower Upper
65 100
67 50.1 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: VW032001.D

Acq: 04 Aug 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

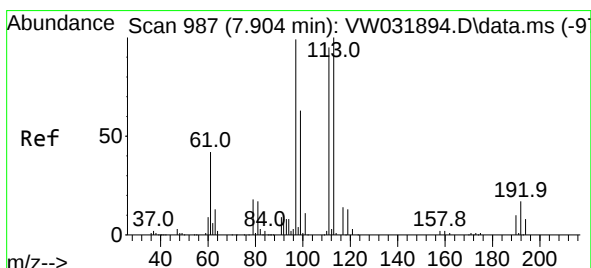
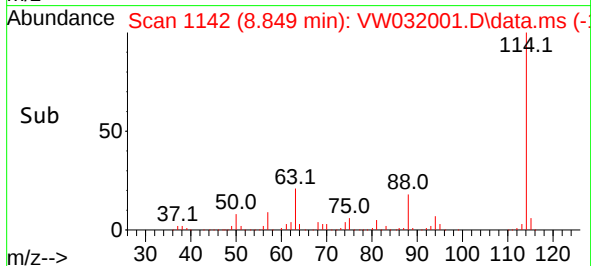
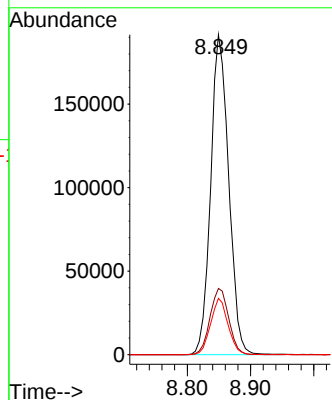
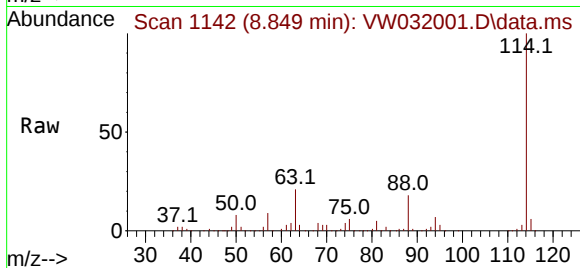
Tgt Ion:114 Resp: 378863

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

88 17.6 0.0 35.6



#35

Dibromofluoromethane

Concen: 49.212 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032001.D

Acq: 04 Aug 2025 15:03

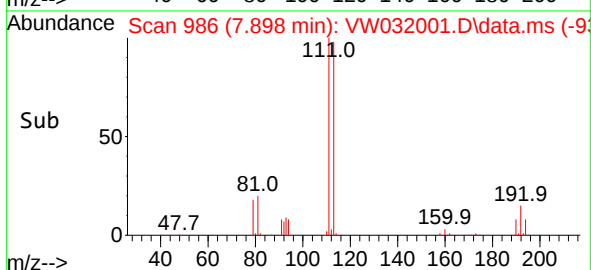
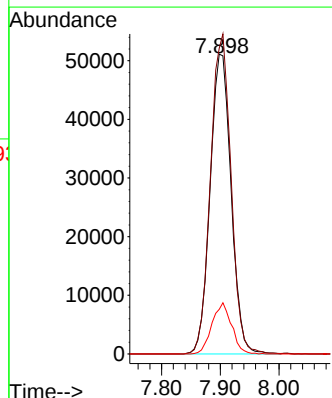
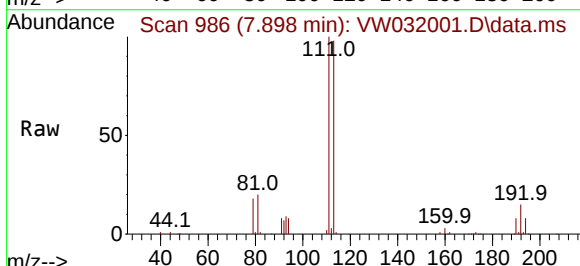
Tgt Ion:113 Resp: 126692

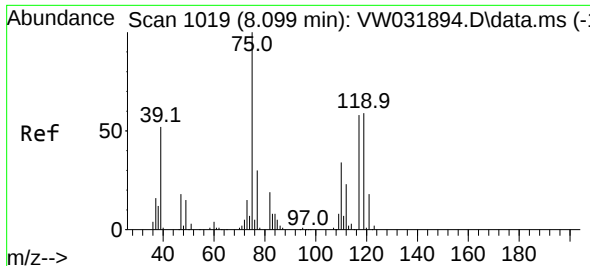
Ion Ratio Lower Upper

113 100

111 104.4 79.9 119.9

192 16.0 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.160 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.146 min

Lab File: VW032001.D

Acq: 04 Aug 2025 15:03

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

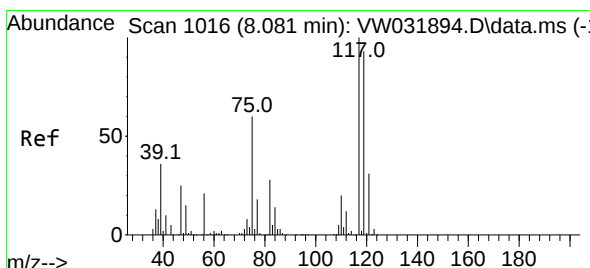
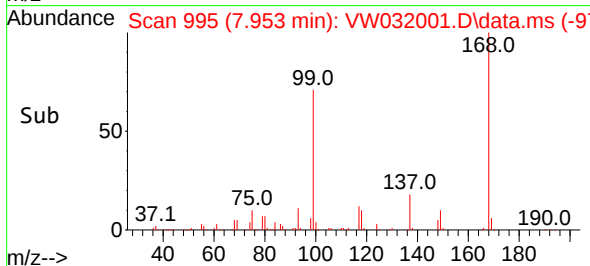
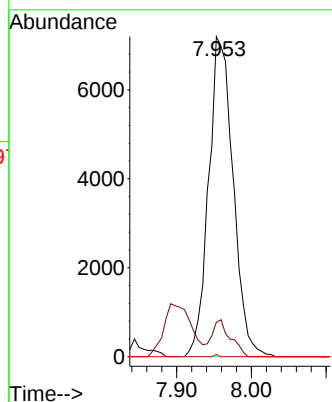
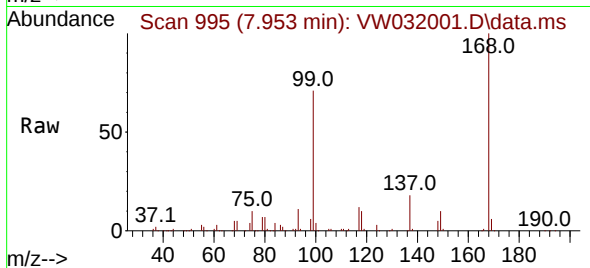
Tgt Ion: 75 Resp: 16447

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.506 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032001.D

Acq: 04 Aug 2025 15:03

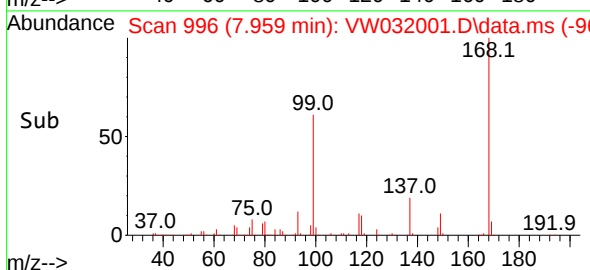
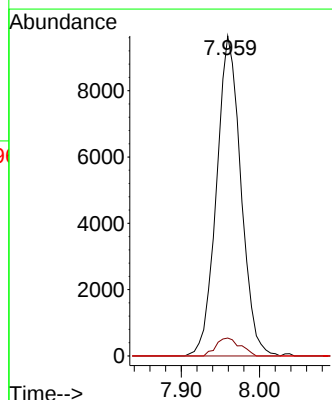
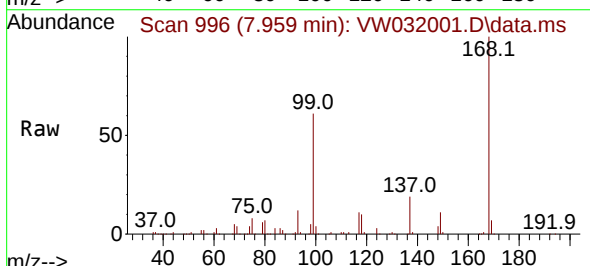
Tgt Ion: 117 Resp: 20893

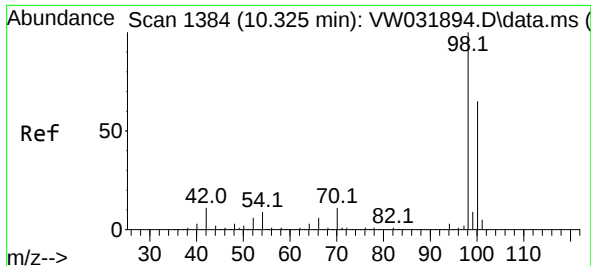
Ion Ratio Lower Upper

117 100

119 5.6 74.3 111.5#

121 0.0 24.6 37.0#

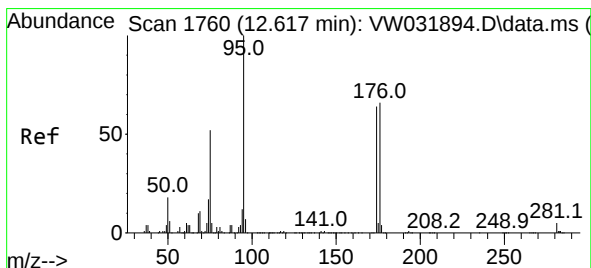
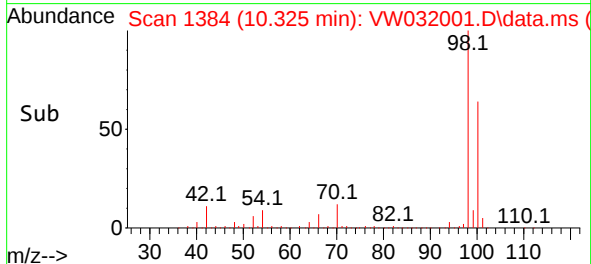
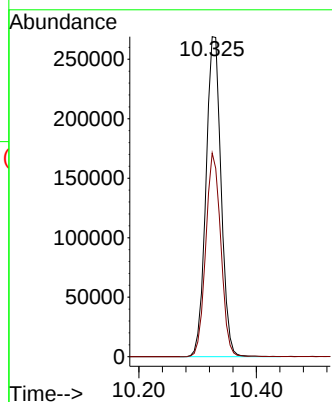
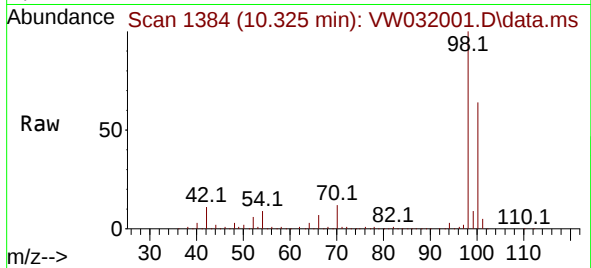




#50
Toluene-d8
Concen: 49.412 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

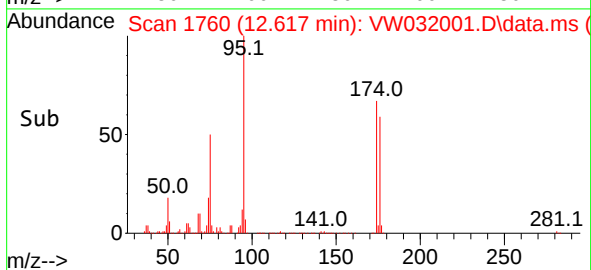
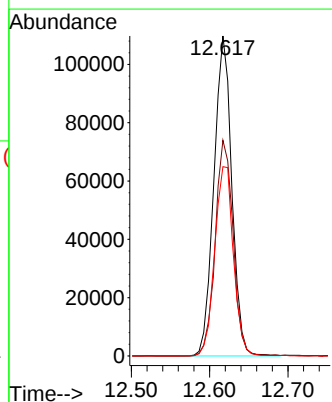
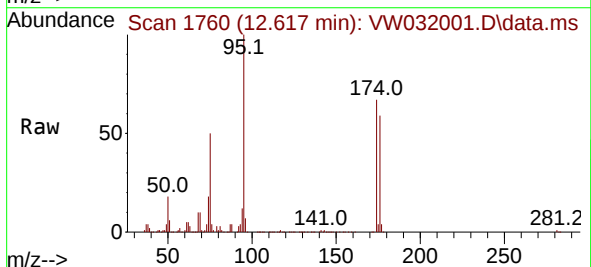
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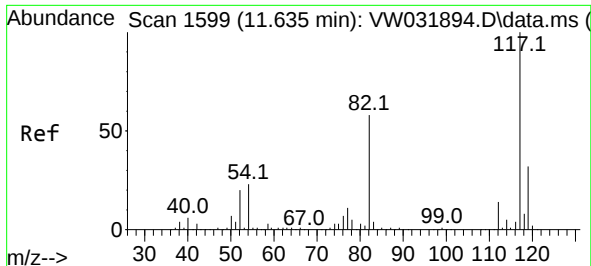
Tgt Ion: 98 Resp: 481445
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.658 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion: 95 Resp: 174562
Ion Ratio Lower Upper
95 100
174 67.4 0.0 129.8
176 62.2 0.0 130.4

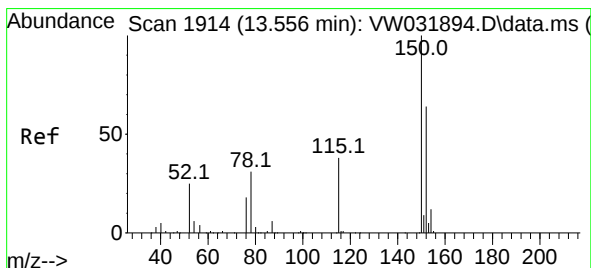
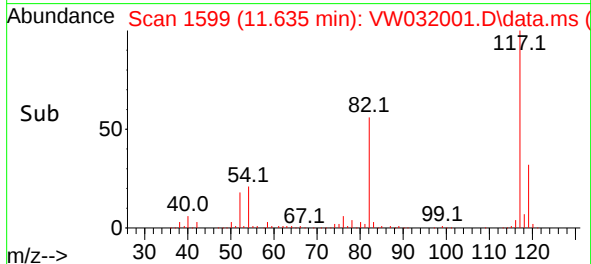
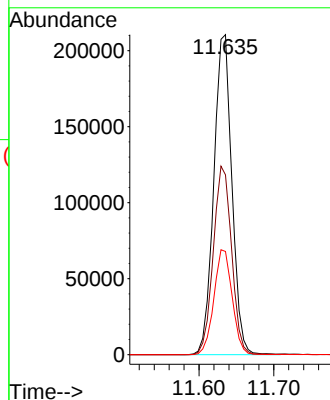
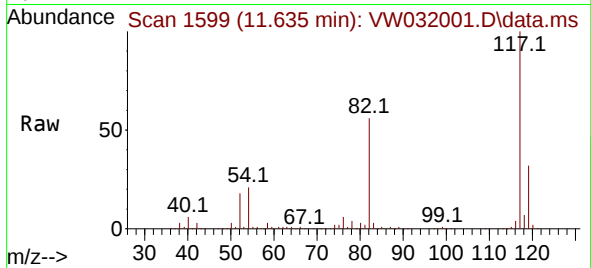




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

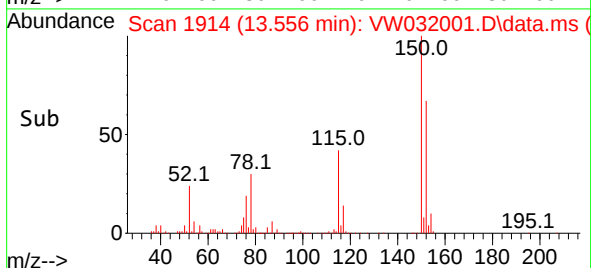
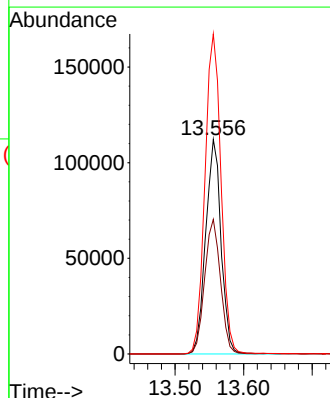
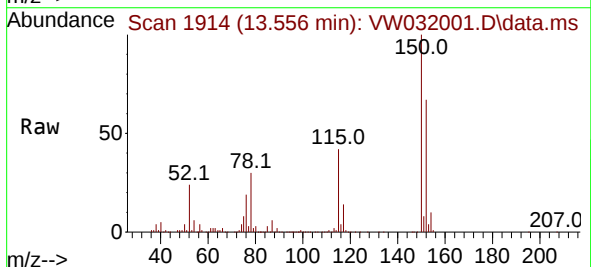
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

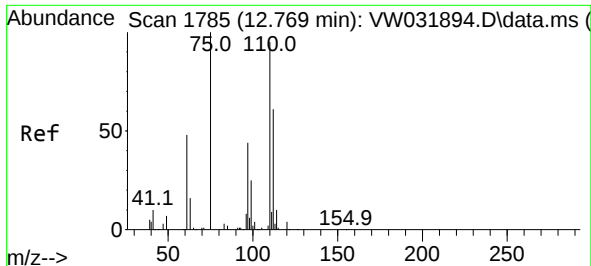
Tgt Ion:117 Resp: 354188
Ion Ratio Lower Upper
117 100
82 56.2 46.5 69.7
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion:152 Resp: 175440
Ion Ratio Lower Upper
152 100
115 64.5 33.4 100.1
150 154.9 0.0 352.2

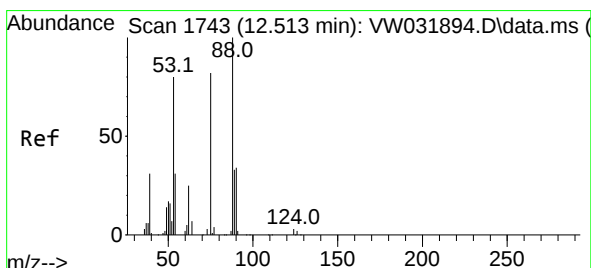
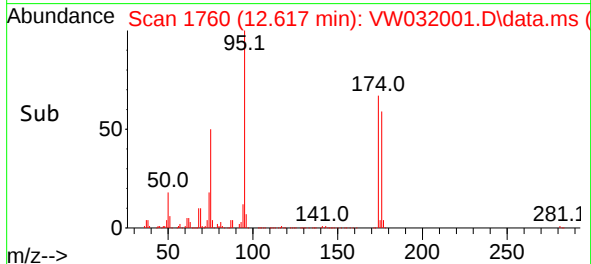
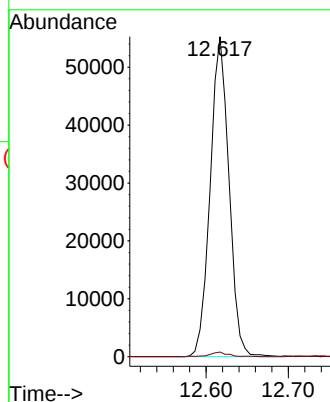
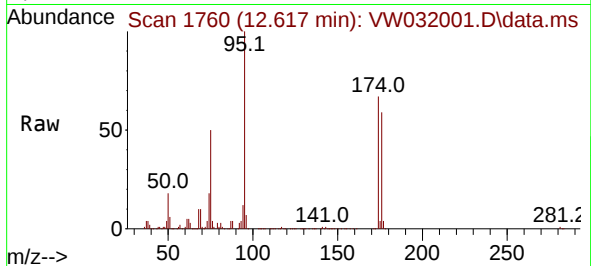




#76
1,2,3-Trichloropropane
Concen: 36.273 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 87862
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.745 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032001.D
Acq: 04 Aug 2025 15:03

Tgt Ion: 75 Resp: 87862
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 39.0 58.6#

