

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072525\
 Data File : VW031936.D
 Acq On : 25 Jul 2025 15:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 25 23:06:16 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)

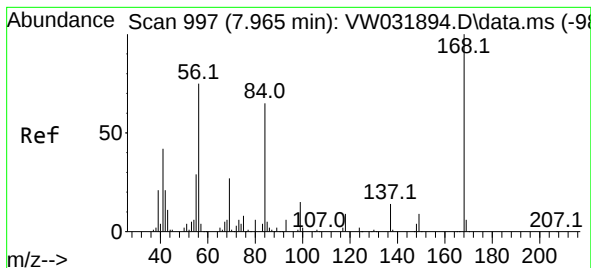
Internal Standards						
1) Pentafluorobenzene	7.959	168	197867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	410941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	385156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	149015	49.784	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	99.560%	
35) Dibromofluoromethane	7.898	113	125749	45.033	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	90.060%	
50) Toluene-d8	10.331	98	487686	46.146	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	92.300%	
62) 4-Bromofluorobenzene	12.617	95	185671	45.754	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	91.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	191	1.086	ug/l #	72
13) Acrolein	3.948	56	86	Below Cal	#	14
16) Acetone	4.173	43	3436	4.838	ug/l #	82
20) Methylene Chloride	4.960	84	5526	Below Cal		94
31) Cyclohexane	7.959	56	4762	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	18313	4.270	ug/l #	49
38) Carbon Tetrachloride	7.959	117	22741	5.526	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	95788	37.481	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	95788	86.534	ug/l #	8

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

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Instrument :
MSVOA_W
ClientSampleId :
VIBLK





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW031936.D

Acq: 25 Jul 2025 15:05

Instrument :

MSVOA_W

ClientSampleId :

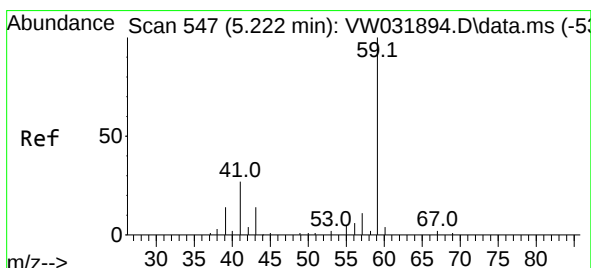
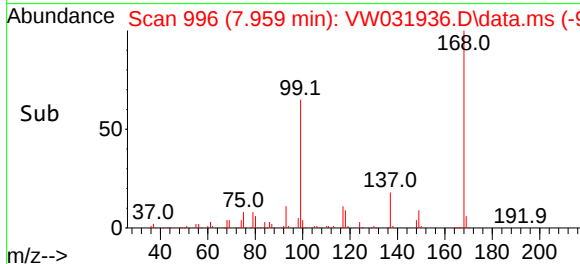
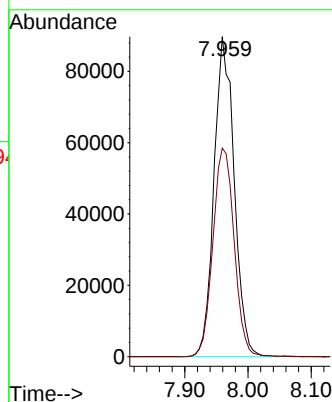
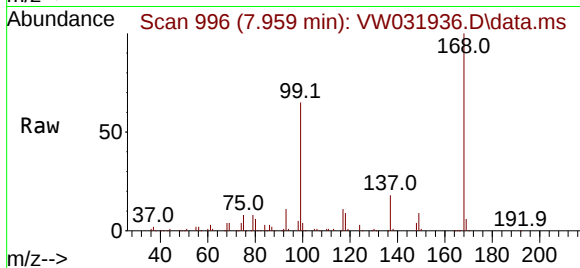
VIBLK

Tgt Ion:168 Resp: 197867

Ion Ratio Lower Upper

168 100

99 65.2 48.2 72.2



#11

Tert butyl alcohol

Concen: 1.086 ug/l

RT: 5.216 min Scan# 546

Delta R.T. -0.006 min

Lab File: VW031936.D

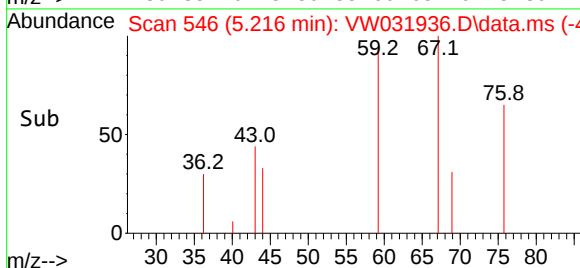
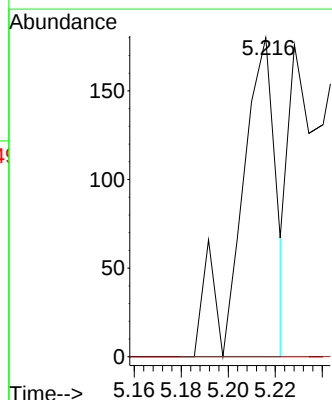
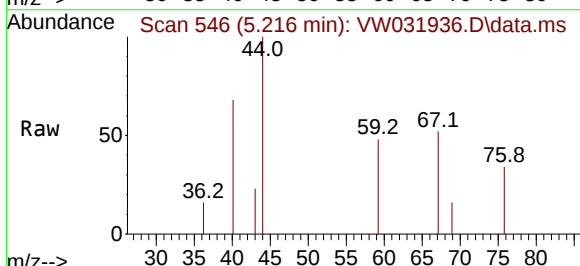
Acq: 25 Jul 2025 15:05

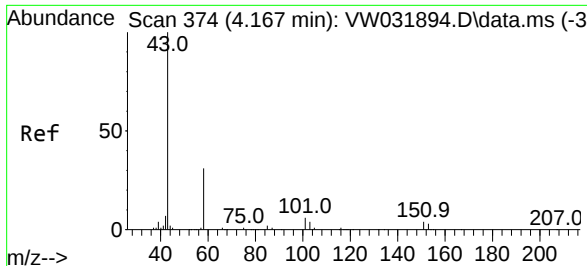
Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

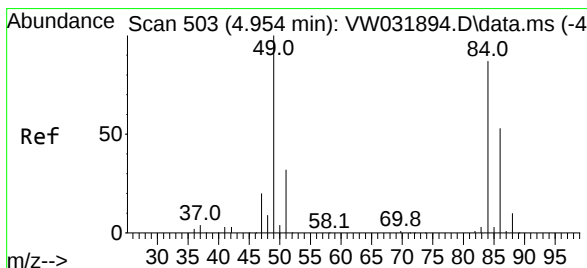
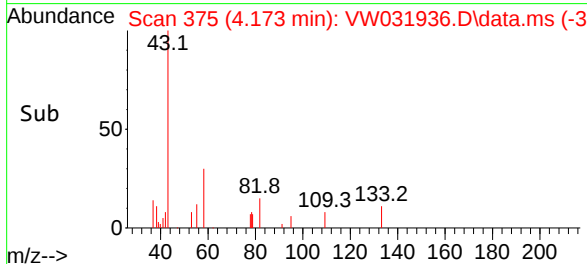
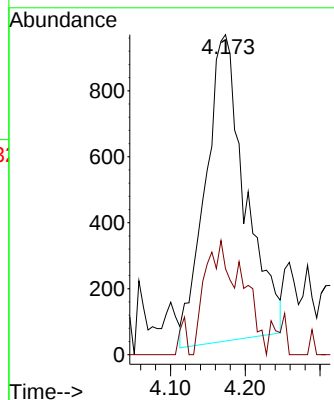
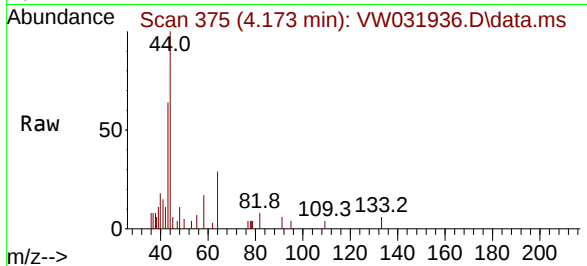




#16
Acetone
Concen: 4.838 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

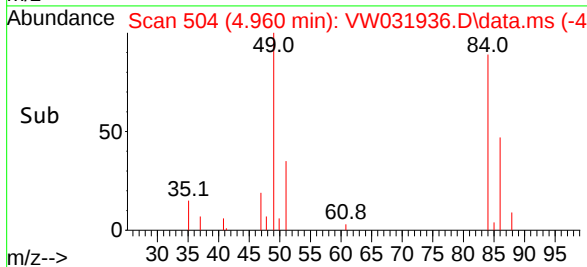
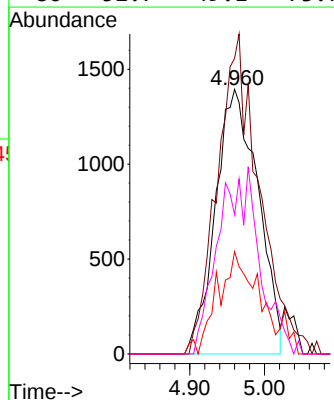
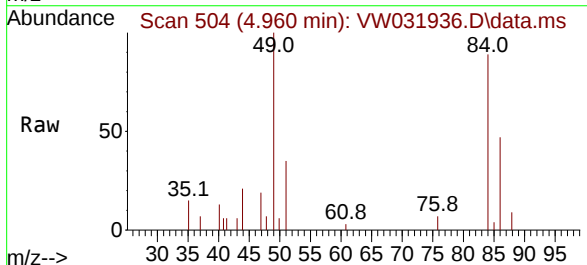
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

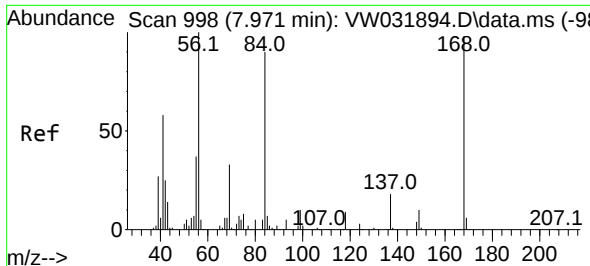
Tgt Ion: 43 Resp: 3436
Ion Ratio Lower Upper
43 100
58 21.9 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

Tgt Ion: 84 Resp: 5526
Ion Ratio Lower Upper
84 100
49 111.8 91.9 137.9
51 38.7 29.0 43.6
86 52.7 49.1 73.7

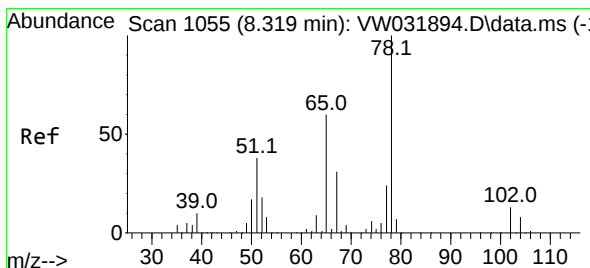
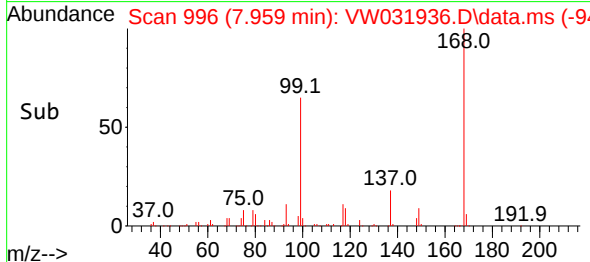
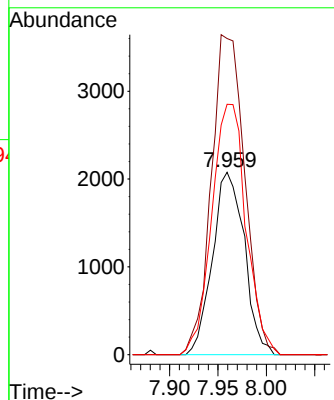
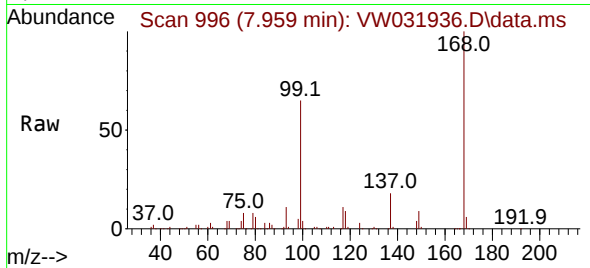




#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

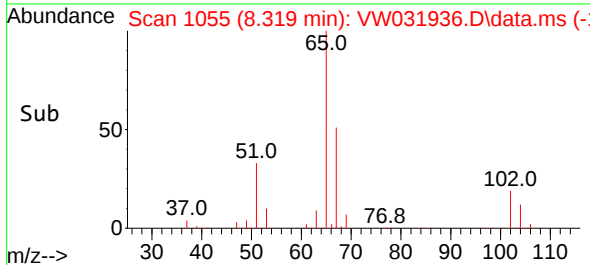
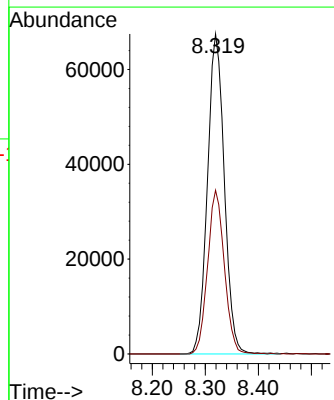
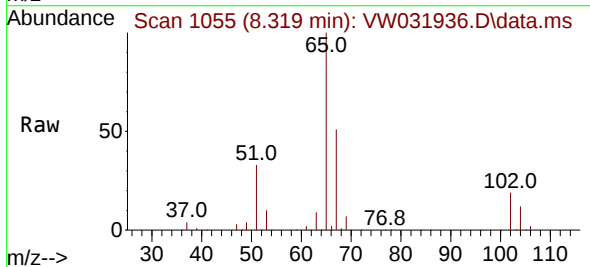
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

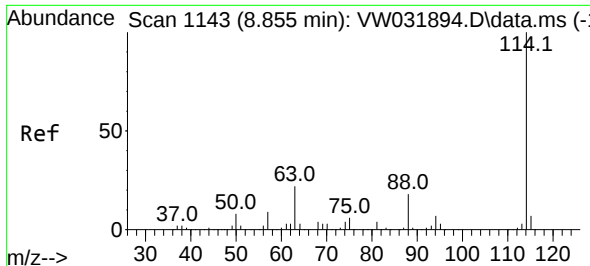
Tgt Ion: 56 Resp: 4762
Ion Ratio Lower Upper
56 100
69 173.3 26.7 40.1#
84 137.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.784 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

Tgt Ion: 65 Resp: 149015
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.4

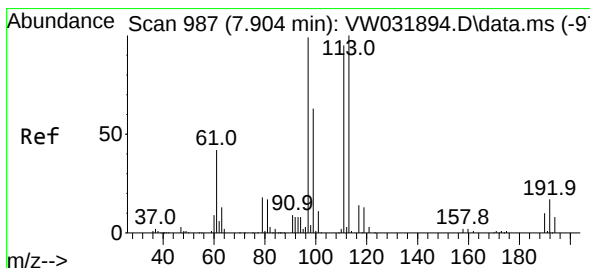
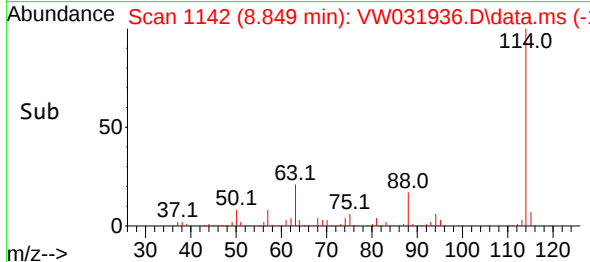
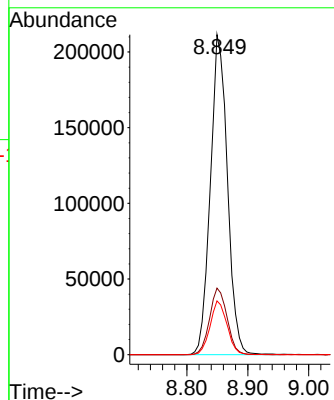
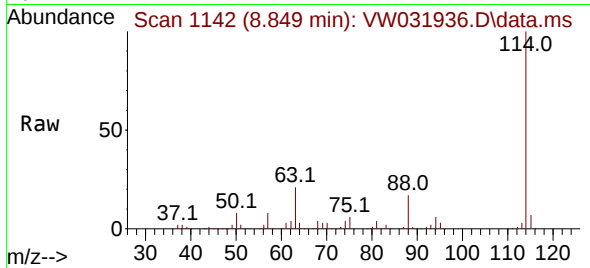




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

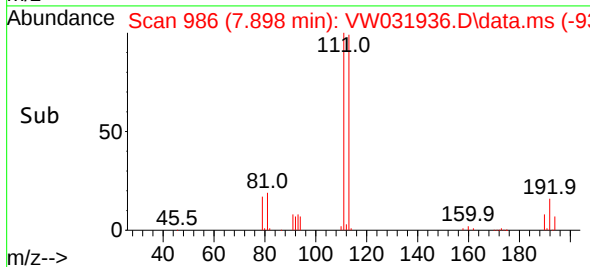
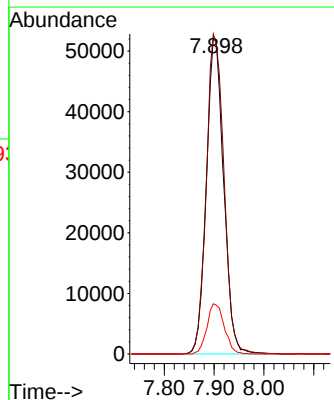
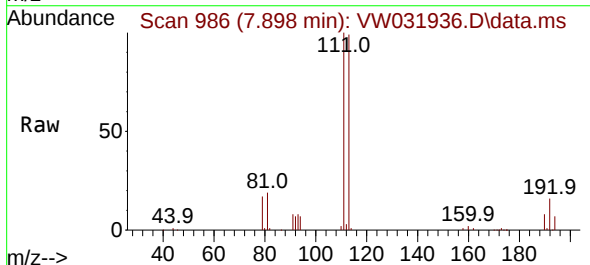
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

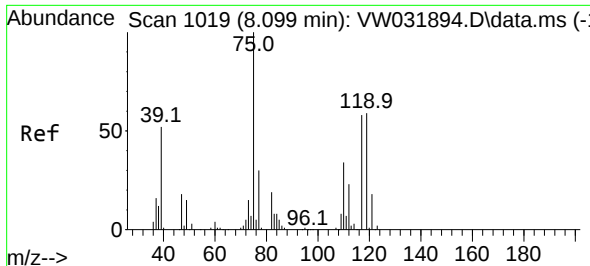
Tgt Ion:114 Resp: 410941
Ion Ratio Lower Upper
114 100
63 20.8 0.0 44.2
88 16.8 0.0 35.6



#35
Dibromofluoromethane
Concen: 45.033 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

Tgt Ion:113 Resp: 125749
Ion Ratio Lower Upper
113 100
111 103.0 79.9 119.9
192 15.9 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.270 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.146 min

Lab File: VW031936.D

Acq: 25 Jul 2025 15:05

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

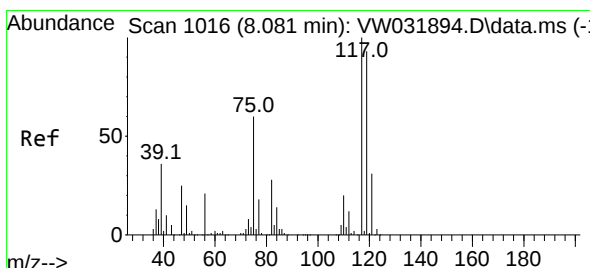
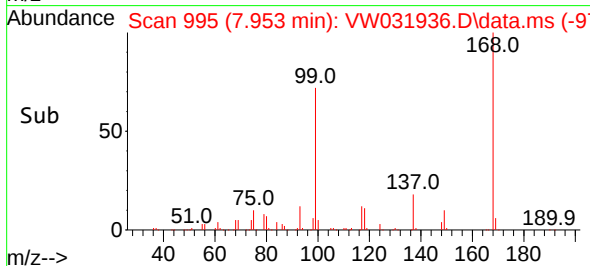
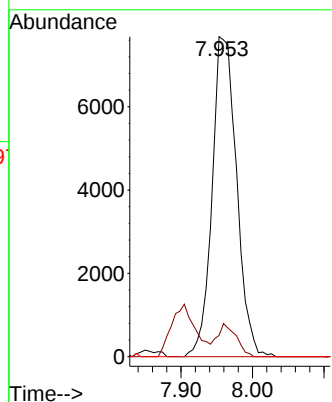
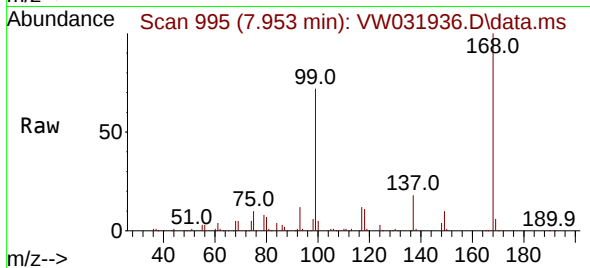
Tgt Ion: 75 Resp: 18313

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.526 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031936.D

Acq: 25 Jul 2025 15:05

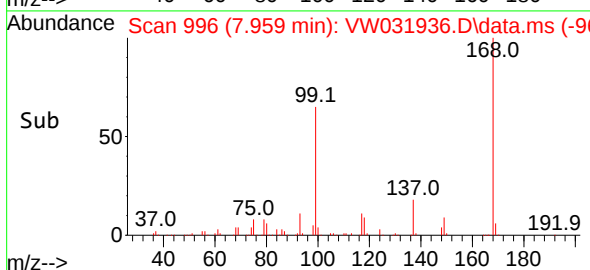
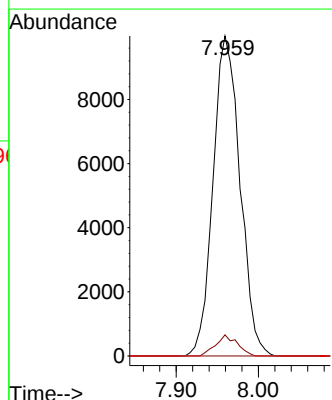
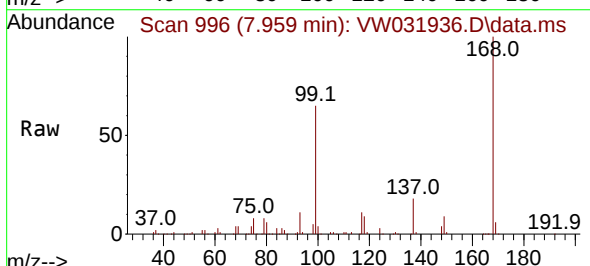
Tgt Ion: 117 Resp: 22741

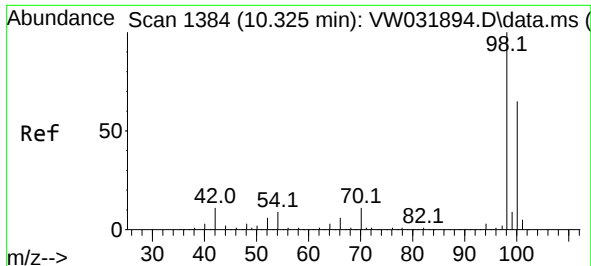
Ion Ratio Lower Upper

117 100

119 6.6 74.3 111.5#

121 0.0 24.6 37.0#

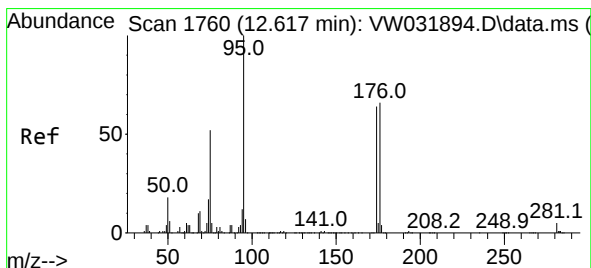
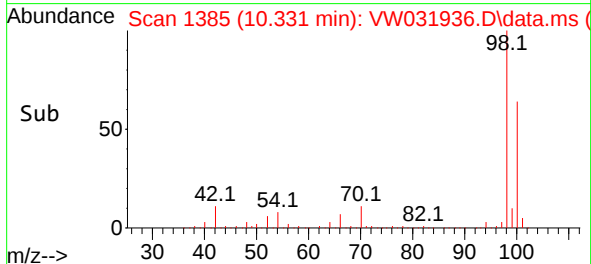
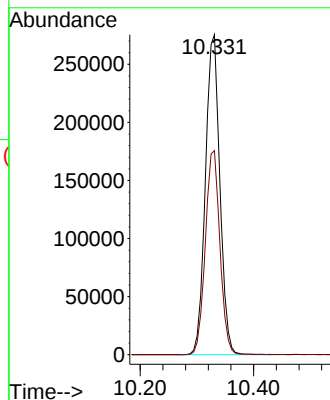
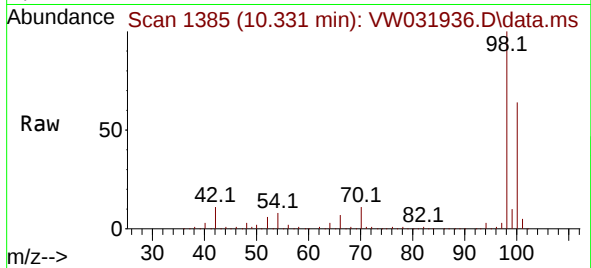




#50
Toluene-d8
Concen: 46.146 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

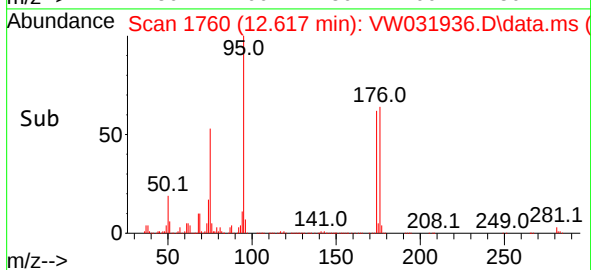
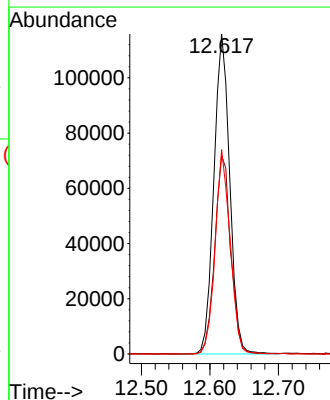
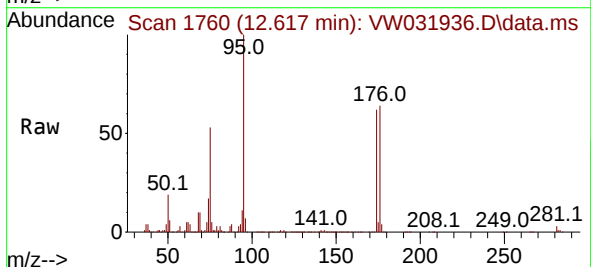
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

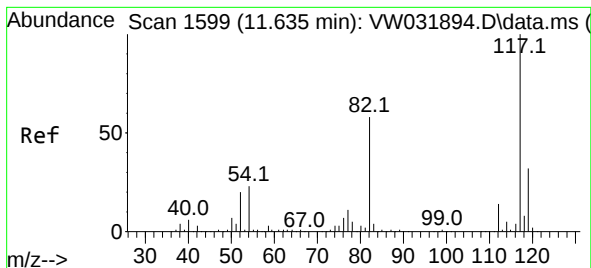
Tgt Ion: 98 Resp: 487686
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.754 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

Tgt Ion: 95 Resp: 185671
Ion Ratio Lower Upper
95 100
174 62.4 0.0 129.8
176 60.7 0.0 130.4

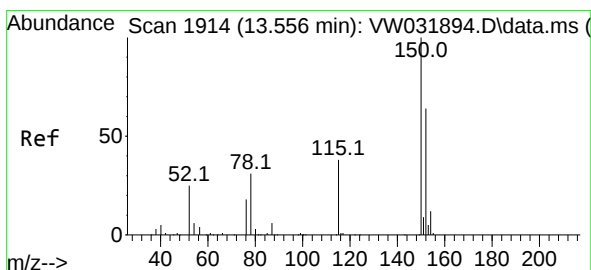
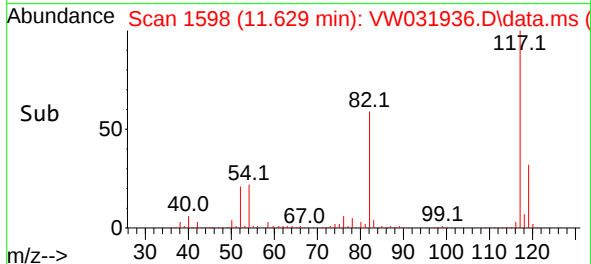
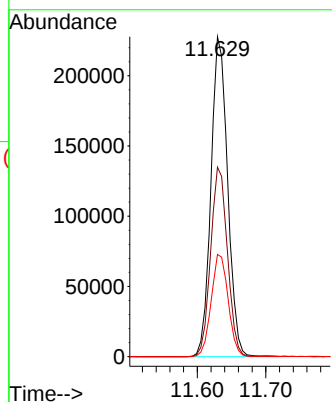
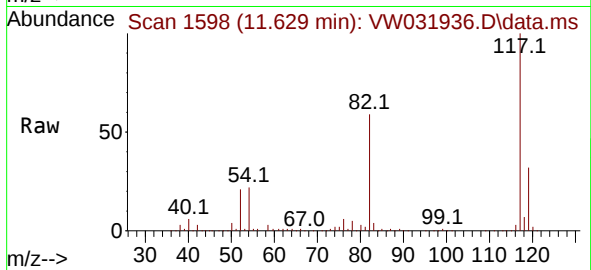




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

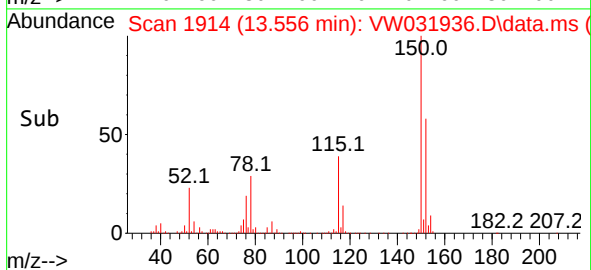
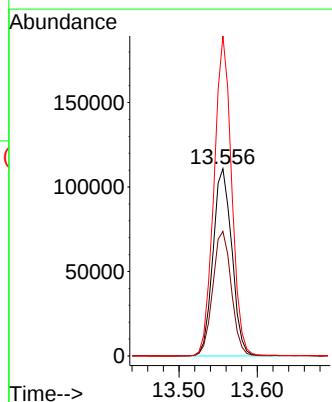
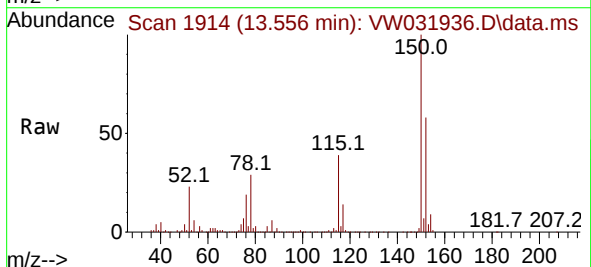
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

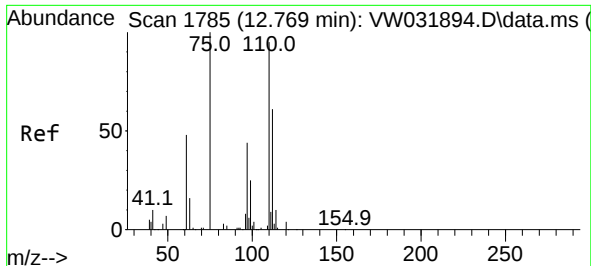
Tgt Ion:117 Resp: 385156
Ion Ratio Lower Upper
117 100
82 59.3 46.5 69.7
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

Tgt Ion:152 Resp: 185102
Ion Ratio Lower Upper
152 100
115 65.7 33.4 100.1
150 160.3 0.0 352.2

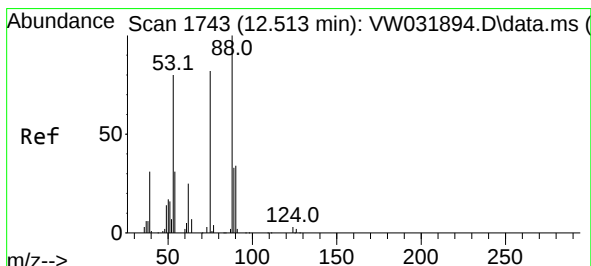
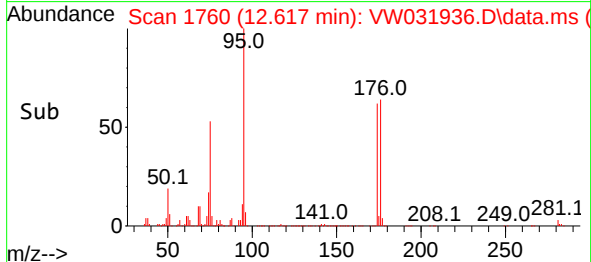
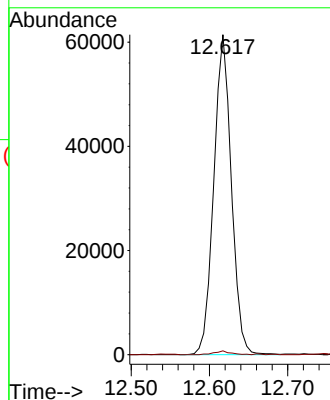
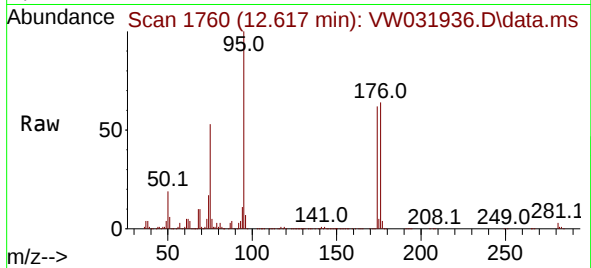




#76
1,2,3-Trichloropropane
Concen: 37.481 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 95788
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.534 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031936.D
Acq: 25 Jul 2025 15:05

Tgt Ion: 75 Resp: 95788
Ion Ratio Lower Upper
75 100
53 0.2 83.7 125.5#
89 0.0 39.0 58.6#

