

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121025\
 Data File : VW032613.D
 Acq On : 10 Dec 2025 13:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Dec 11 01:59:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

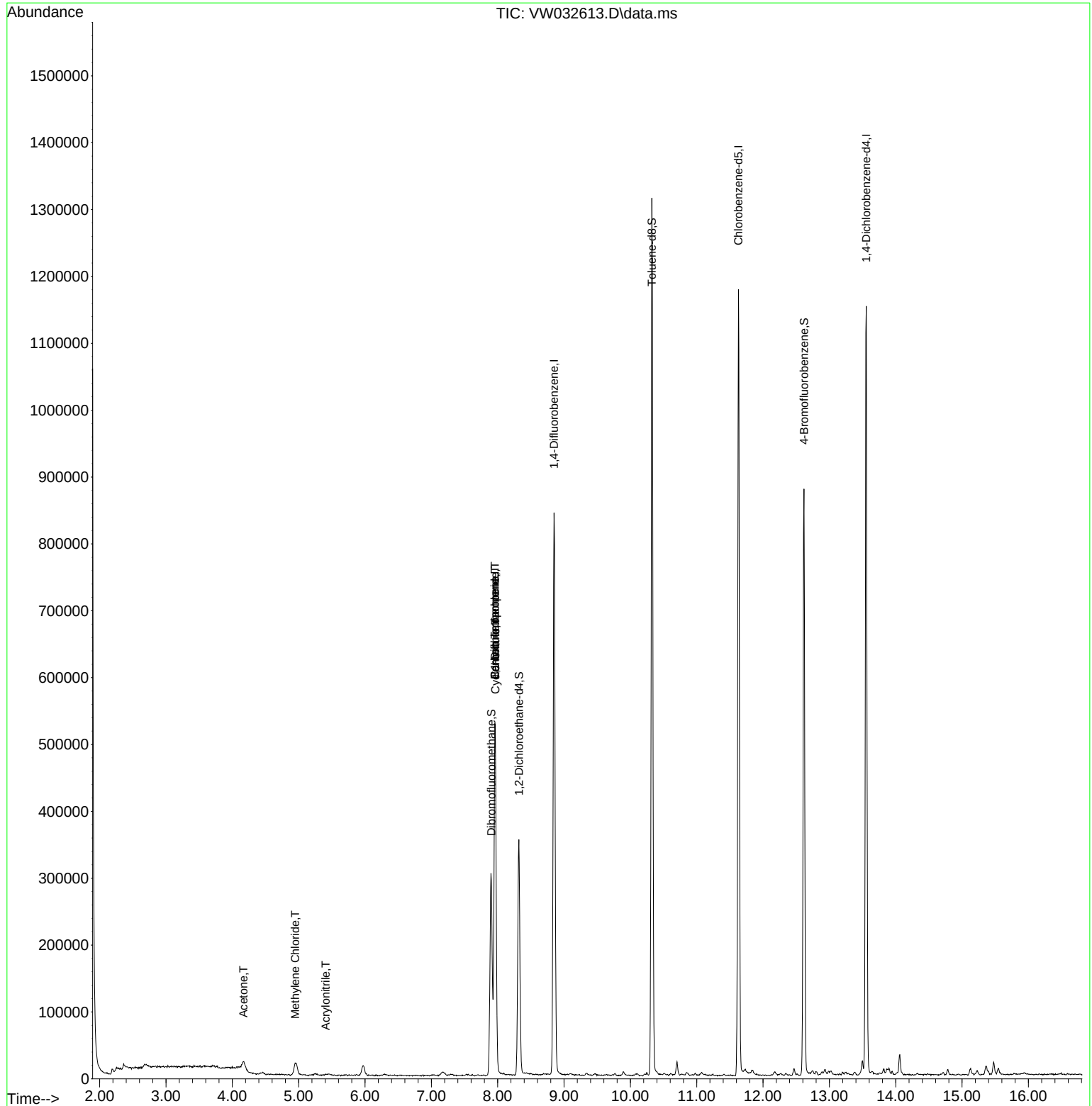
Internal Standards						
1) Pentafluorobenzene	7.959	168	370968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	700147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	625651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	299354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	286681	49.207	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	98.420%	
35) Dibromofluoromethane	7.904	113	227755	45.929	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	91.860%	
50) Toluene-d8	10.325	98	849884	47.299	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	94.600%	
62) 4-Bromofluorobenzene	12.617	95	306426	46.449	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	92.900%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.405	53	1938	1.220	ug/l	97
16) Acetone	4.167	43	21950	11.294	ug/l	96
20) Methylene Chloride	4.948	84	15591	2.628	ug/l	86
31) Cyclohexane	7.965	56	11007	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	35694	4.952	ug/l #	44
38) Carbon Tetrachloride	7.959	117	41784	6.267	ug/l #	18

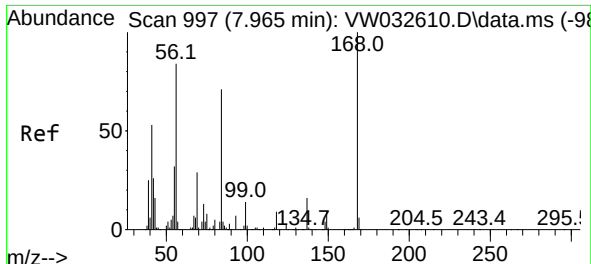
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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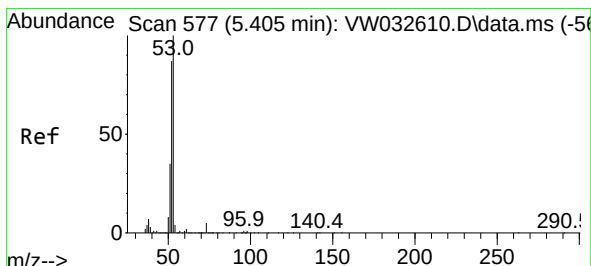
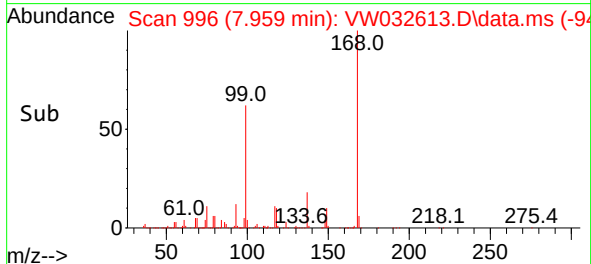
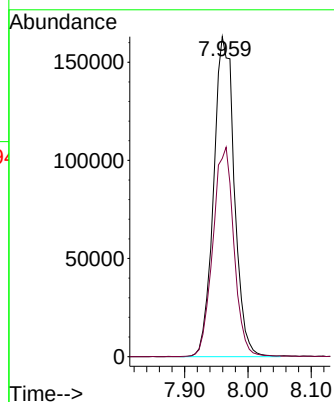
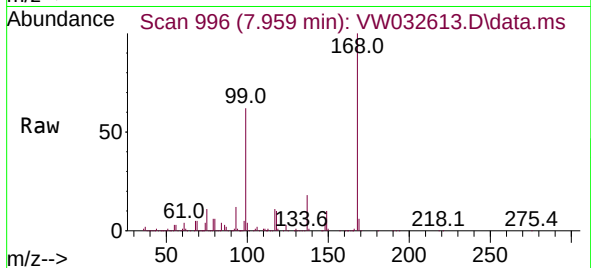




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

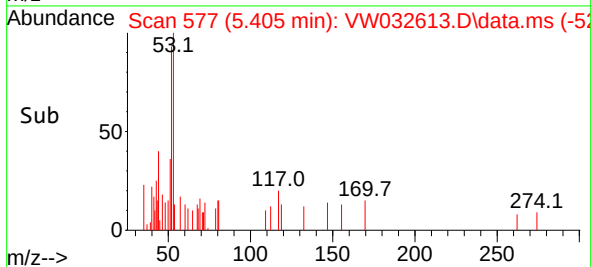
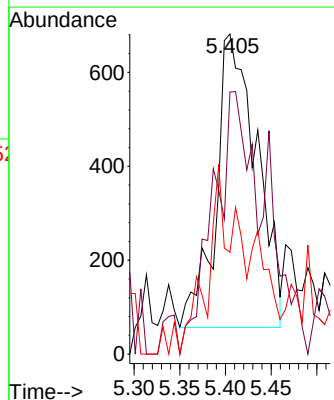
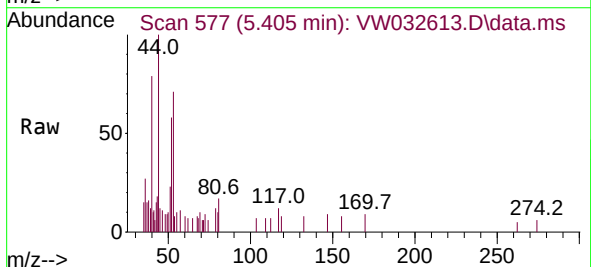
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

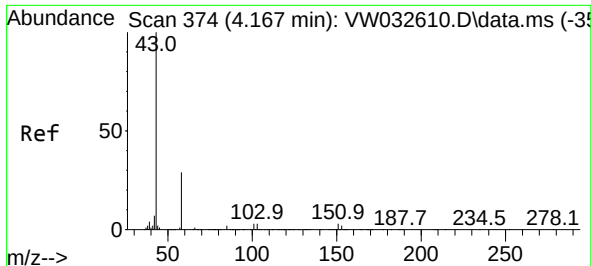
Tgt Ion:168 Resp: 370968
Ion Ratio Lower Upper
168 100
99 61.9 47.8 71.8



#15
Acrylonitrile
Concen: 1.220 ug/l
RT: 5.405 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

Tgt Ion: 53 Resp: 1938
Ion Ratio Lower Upper
53 100
52 83.4 66.7 100.1
51 32.1 29.8 44.6

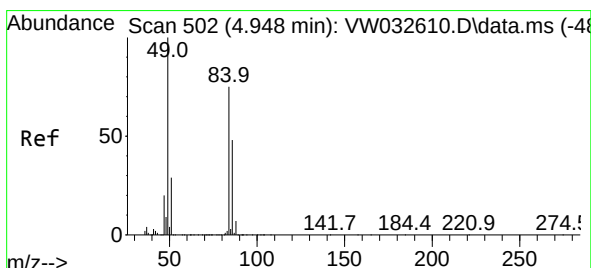
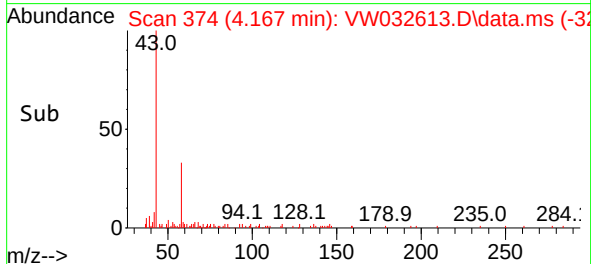
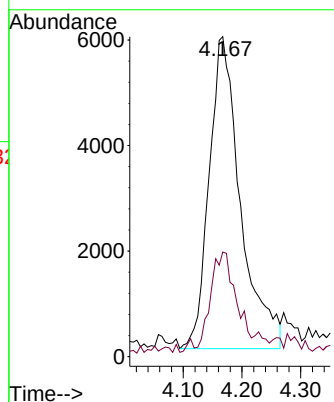
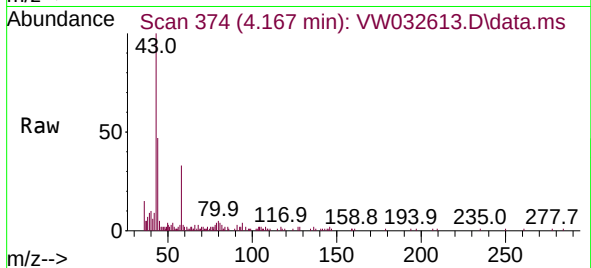




#16
Acetone
Concen: 11.294 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

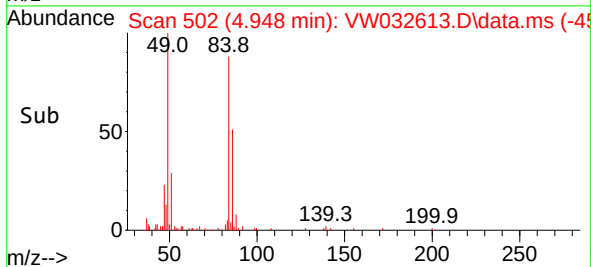
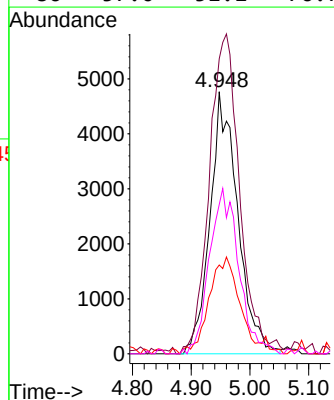
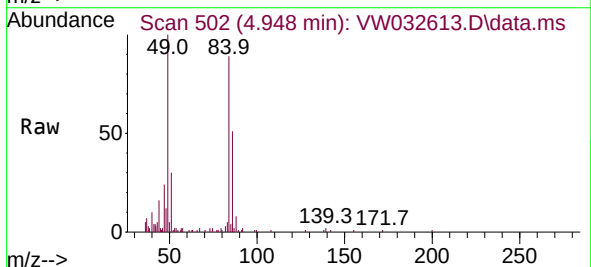
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

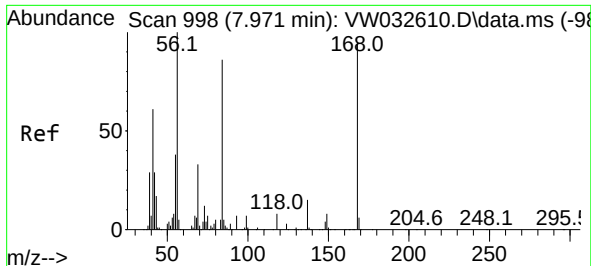
Tgt Ion: 43 Resp: 21950
Ion Ratio Lower Upper
43 100
58 32.2 23.9 35.9



#20
Methylene Chloride
Concen: 2.628 ug/l
RT: 4.948 min Scan# 502
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

Tgt Ion: 84 Resp: 15591
Ion Ratio Lower Upper
84 100
49 112.6 106.9 160.3
51 33.9 31.4 47.2
86 57.0 51.1 76.7

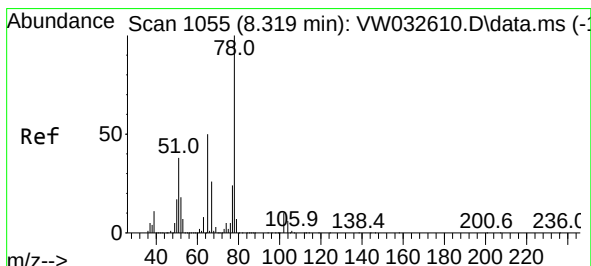
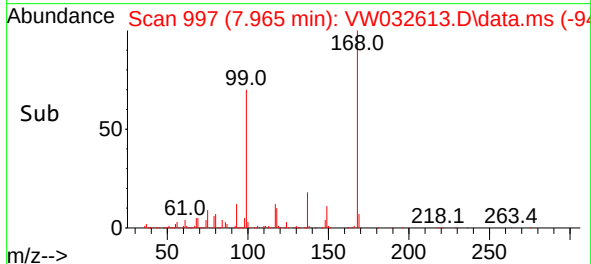
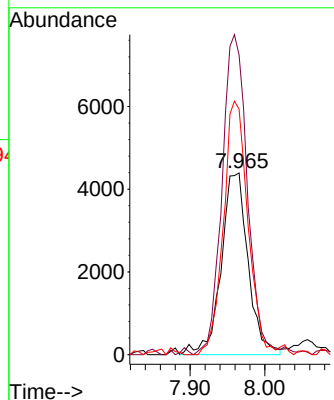
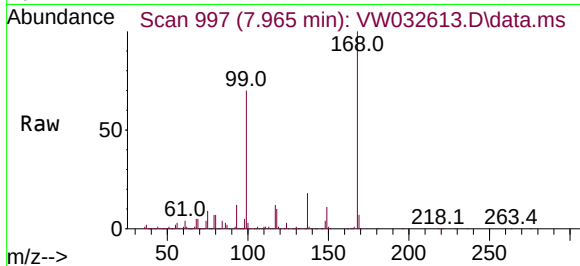




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

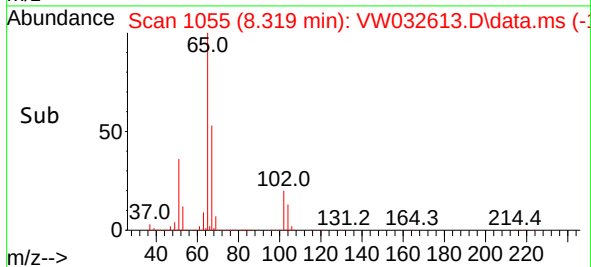
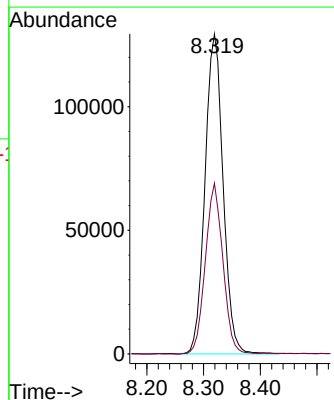
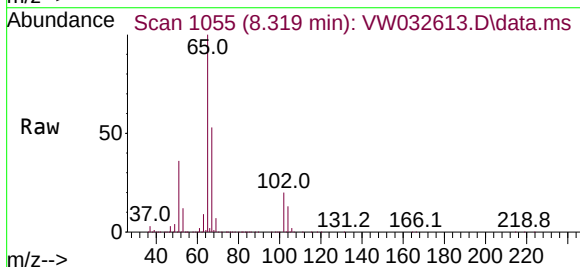
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

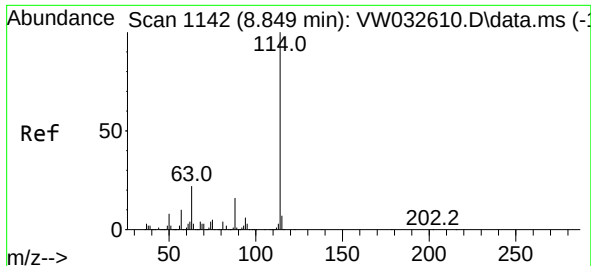
Tgt Ion: 56 Resp: 11007
Ion Ratio Lower Upper
56 100
69 163.8 26.2 39.2#
84 133.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.207 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

Tgt Ion: 65 Resp: 286681
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6

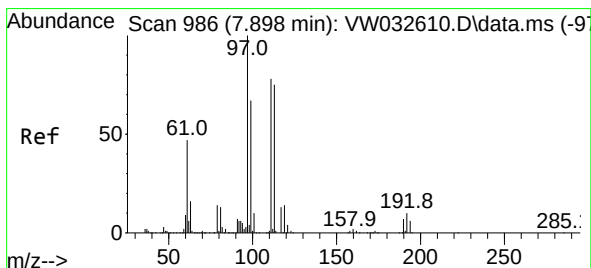
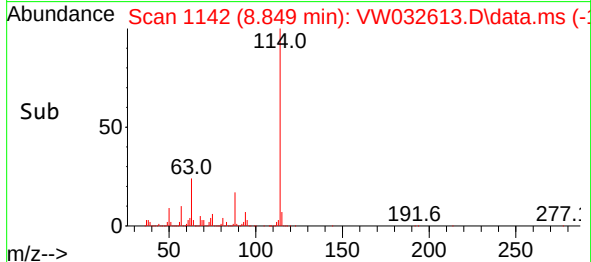
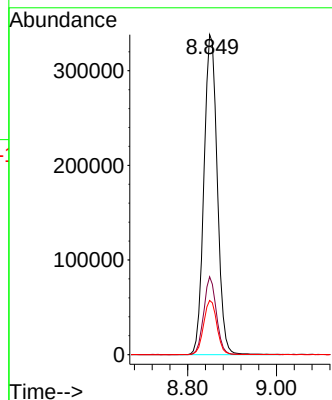
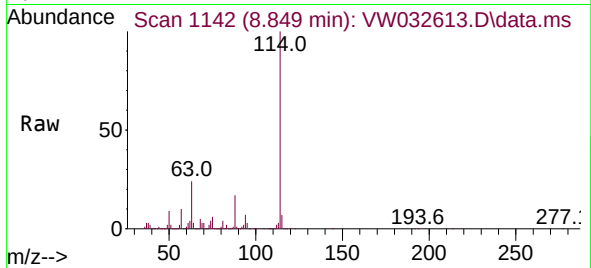




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

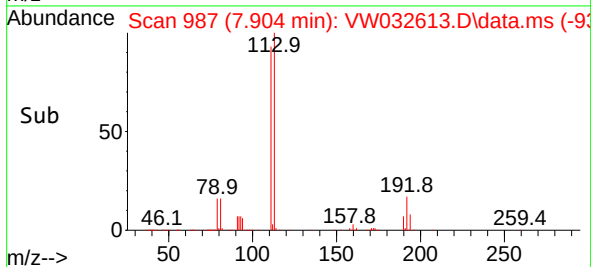
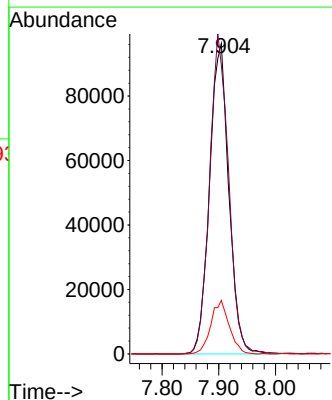
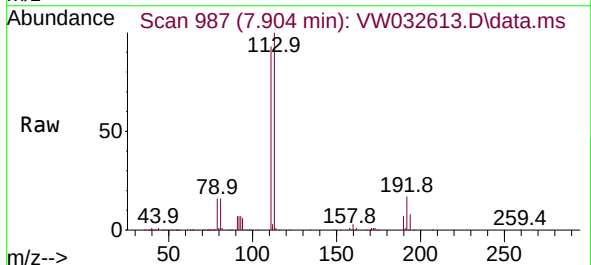
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

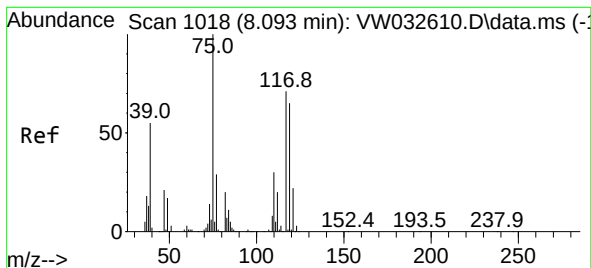
Tgt Ion:114 Resp: 700147
Ion Ratio Lower Upper
114 100
63 24.3 0.0 44.6
88 16.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.929 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

Tgt Ion:113 Resp: 227755
Ion Ratio Lower Upper
113 100
111 101.7 85.2 127.8
192 16.4 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

Lab File: VW032613.D

Acq: 10 Dec 2025 13:03

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

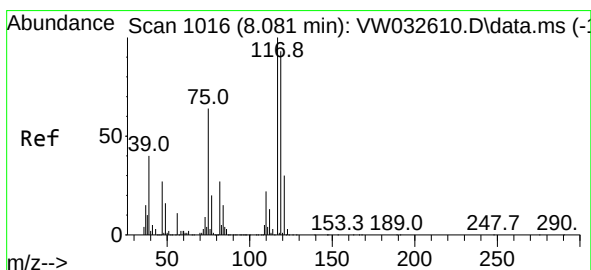
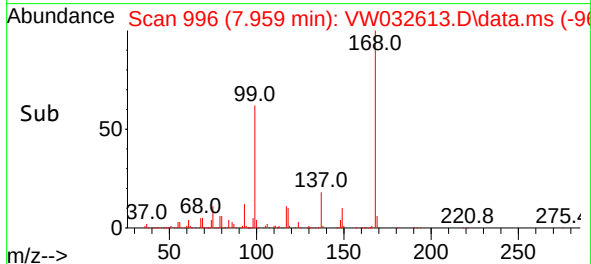
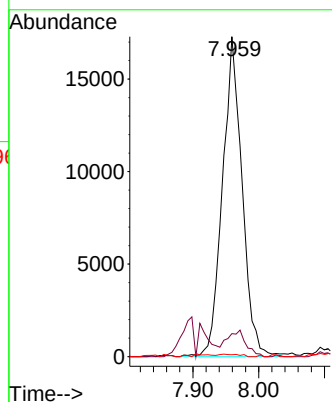
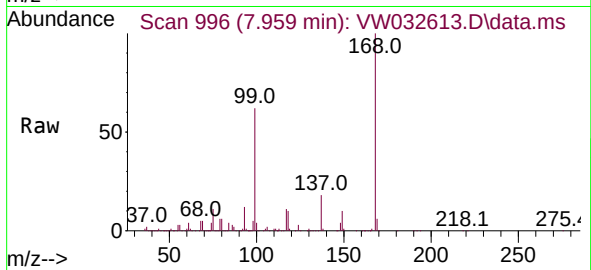
Tgt Ion: 75 Resp: 35694

Ion Ratio Lower Upper

75 100

110 0.0 16.3 48.9#

77 0.8 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032613.D

Acq: 10 Dec 2025 13:03

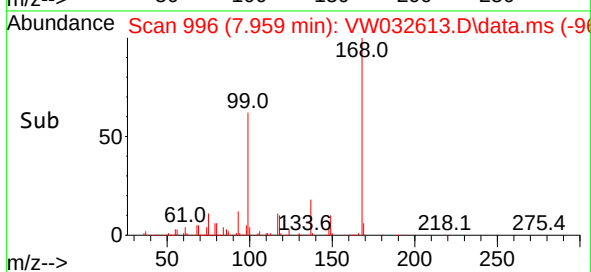
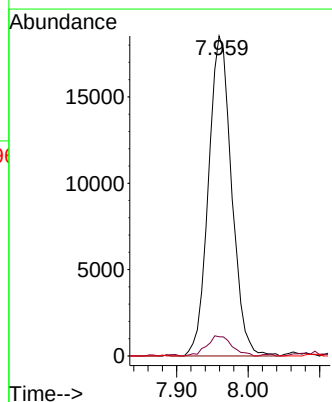
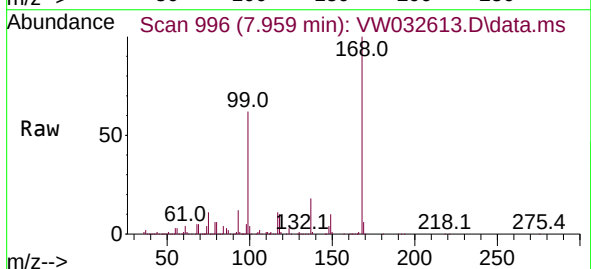
Tgt Ion: 117 Resp: 41784

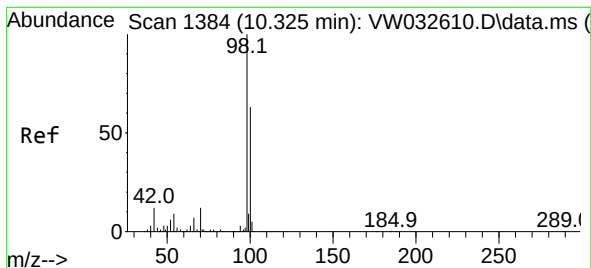
Ion Ratio Lower Upper

117 100

119 6.0 74.3 111.5#

121 0.0 23.6 35.4#

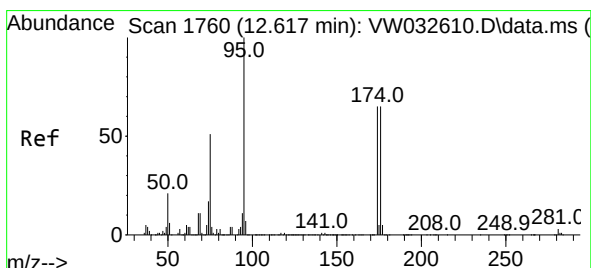
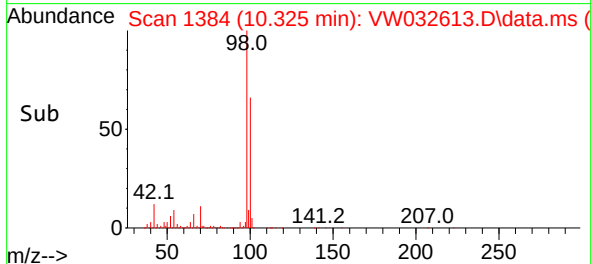
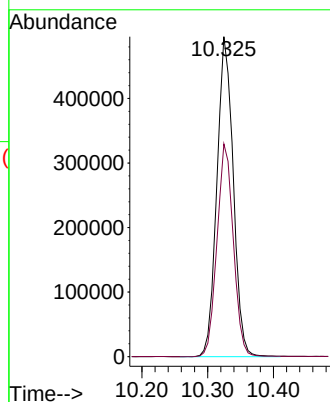
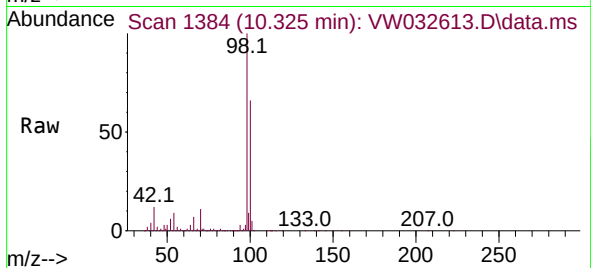




#50
Toluene-d8
Concen: 47.299 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

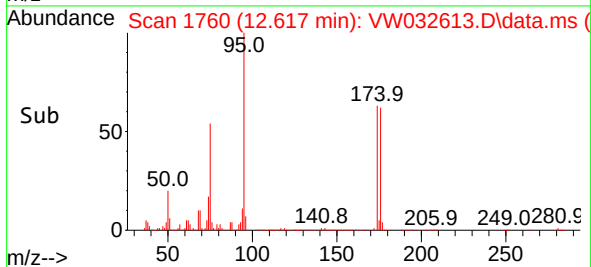
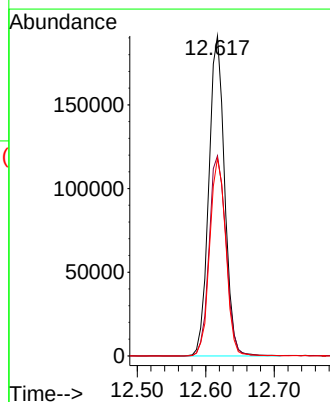
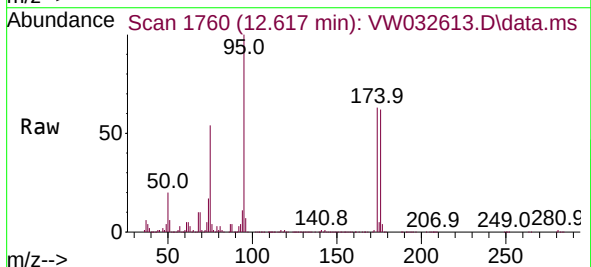
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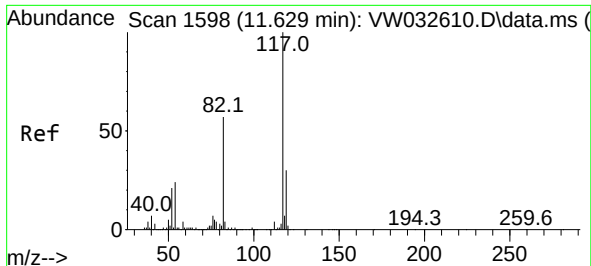
Tgt Ion: 98 Resp: 849884
Ion Ratio Lower Upper
98 100
100 66.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.449 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

Tgt Ion: 95 Resp: 306426
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.0
176 62.9 0.0 123.4

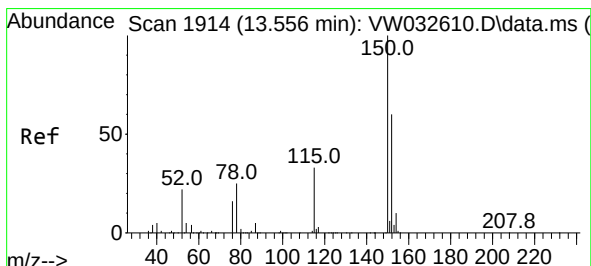
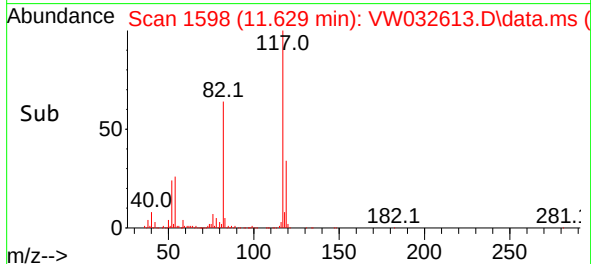
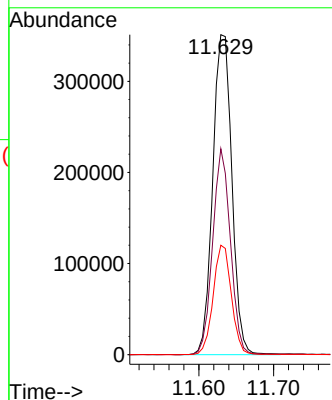
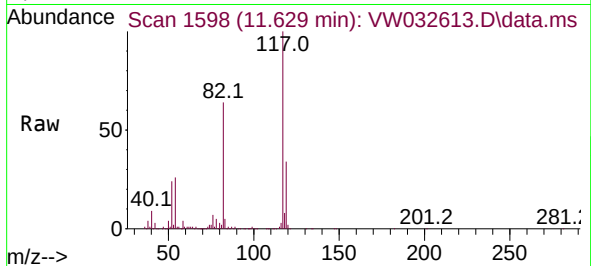




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 625651
Ion Ratio Lower Upper
117 100
82 64.3 45.5 68.3
119 34.2 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032613.D
Acq: 10 Dec 2025 13:03

Tgt Ion:152 Resp: 299354
Ion Ratio Lower Upper
152 100
115 63.3 33.8 101.3
150 151.8 0.0 369.4

