

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032103.D
 Acq On : 14 Aug 2025 18:47
 Operator : SY/MD
 Sample : Q2820-20
 Misc : 8.76g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 88H-S

Quant Time: Aug 18 03:57:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

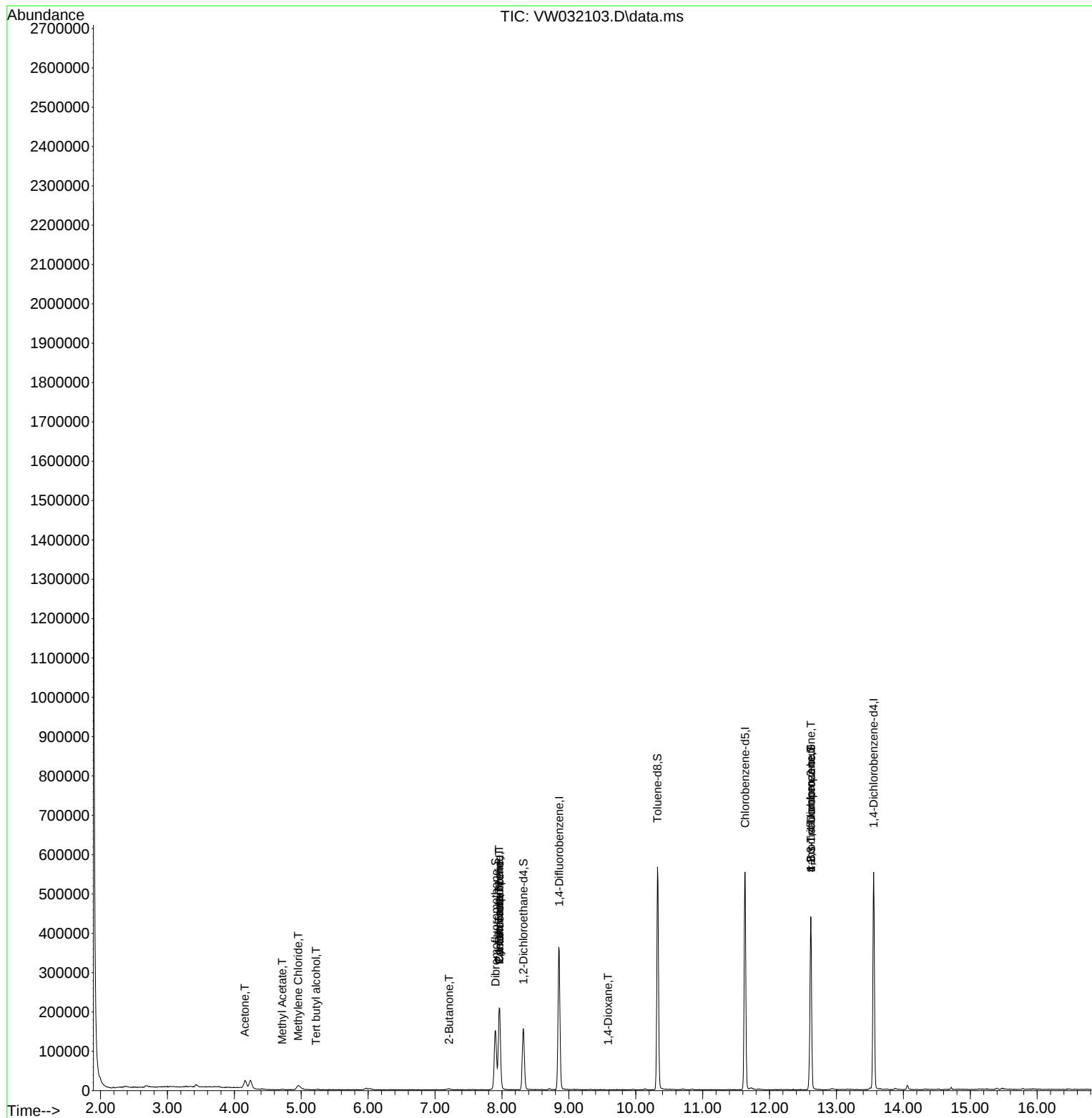
Internal Standards						
1) Pentafluorobenzene	7.965	168	146240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	298387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	290020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	135214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127754	60.403	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.800%		
35) Dibromofluoromethane	7.904	113	106596	55.297	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.600%		
50) Toluene-d8	10.325	98	355808	49.903	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 99.800%		
62) 4-Bromofluorobenzene	12.617	95	126826	48.269	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	507	3.702	ug/l #	71
16) Acetone	4.155	43	34321	70.088	ug/l	96
18) Methyl Acetate	4.716	43	1820	1.175	ug/l #	87
20) Methylene Chloride	4.954	84	9985	4.410	ug/l	97
25) 2-Butanone	7.209	43	4485	6.444	ug/l #	89
31) Cyclohexane	7.959	56	4686	1.555	ug/l #	42
36) 1,1-Dichloropropene	7.959	75	13895	5.113	ug/l #	49
38) Carbon Tetrachloride	7.959	117	16559	6.314	ug/l #	20
49) 1,4-Dioxane	9.587	88	25	1.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	73206	39.891	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	73206	103.273	ug/l #	9

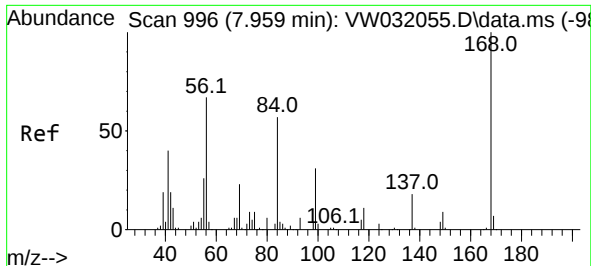
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

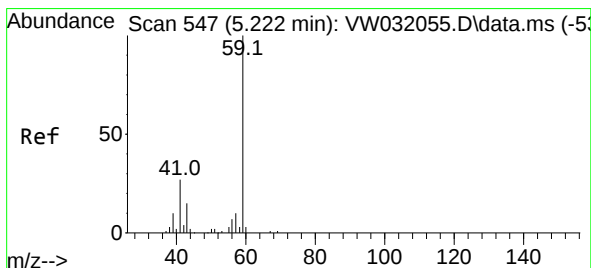
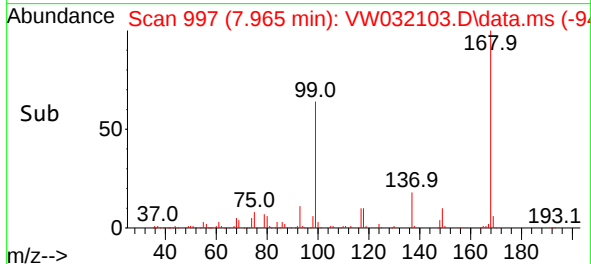
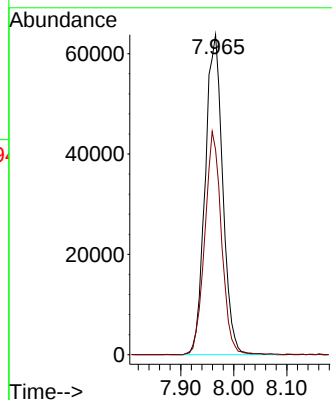
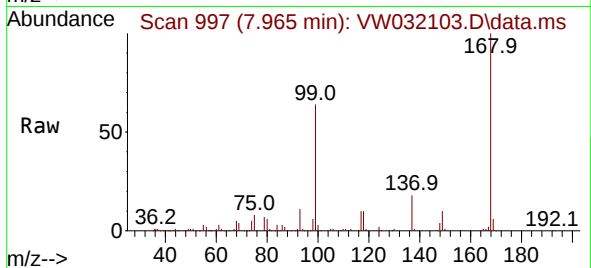




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

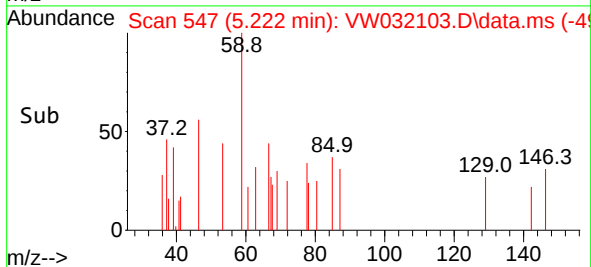
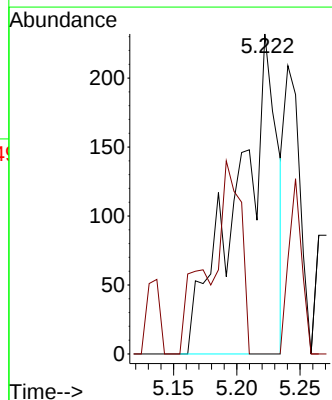
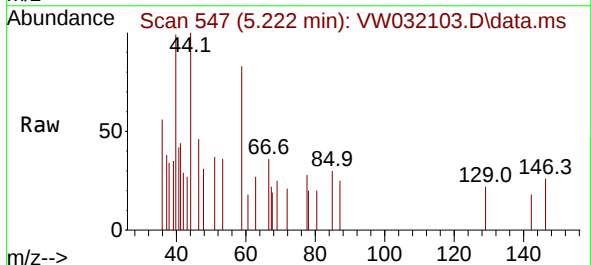
Instrument :
MSVOA_W
ClientSampleId :
88H-S

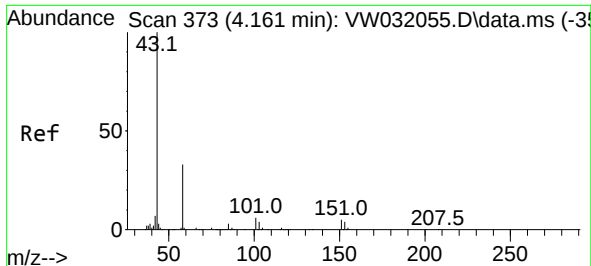
Tgt Ion:168 Resp: 146240
Ion Ratio Lower Upper
168 100
99 64.1 56.0 84.0



#11
Tert butyl alcohol
Concen: 3.702 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

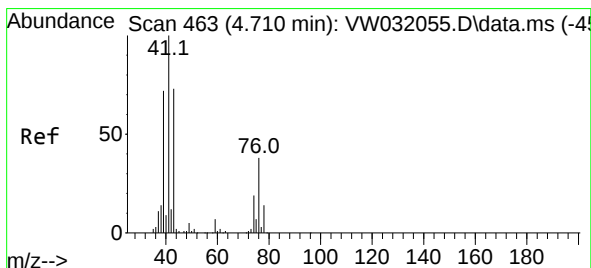
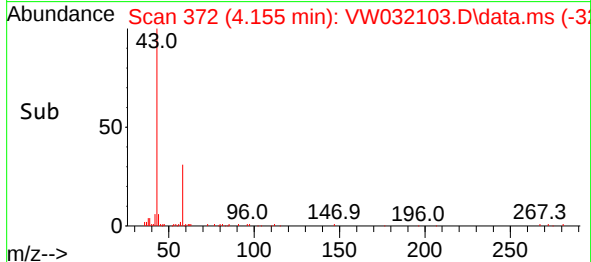
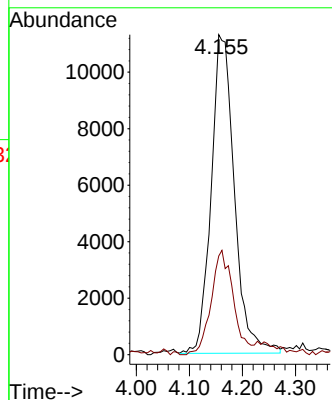
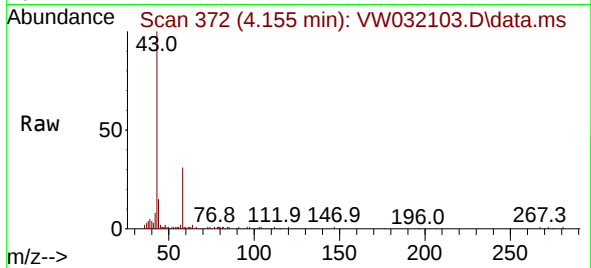




#16
Acetone
Concen: 70.088 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

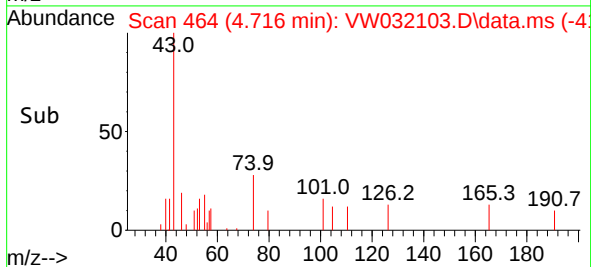
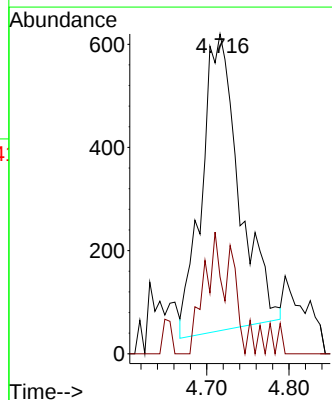
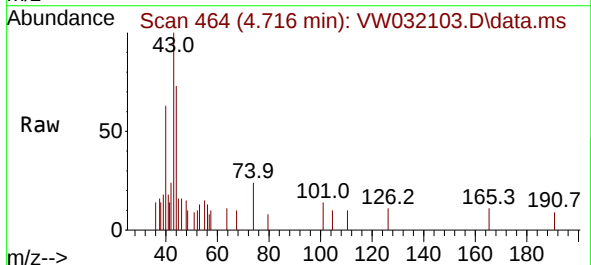
Instrument :
MSVOA_W
ClientSampleId :
88H-S

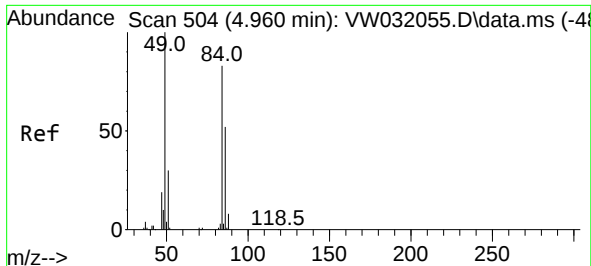
Tgt Ion: 43 Resp: 34321
Ion Ratio Lower Upper
43 100
58 31.0 26.6 39.8



#18
Methyl Acetate
Concen: 1.175 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
74 19.3 20.6 31.0#

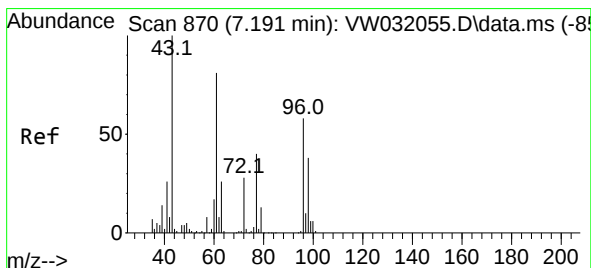
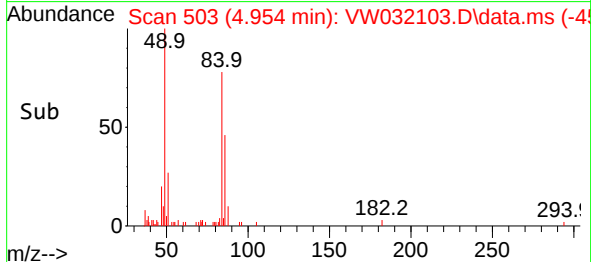
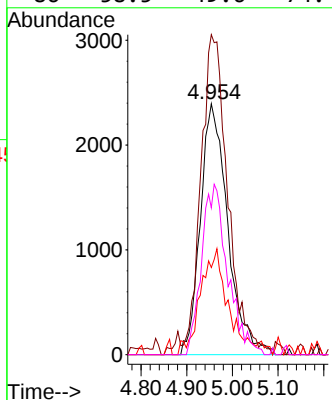
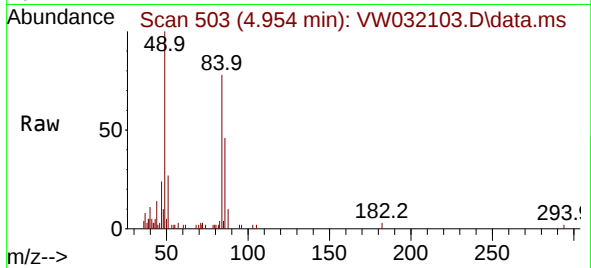




#20
Methylene Chloride
Concen: 4.410 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

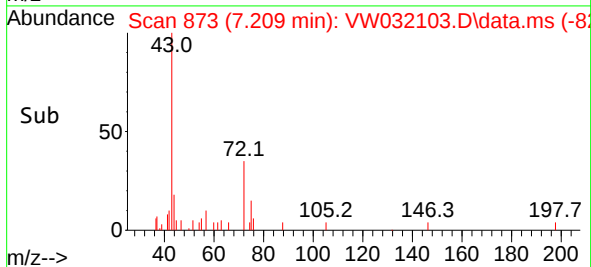
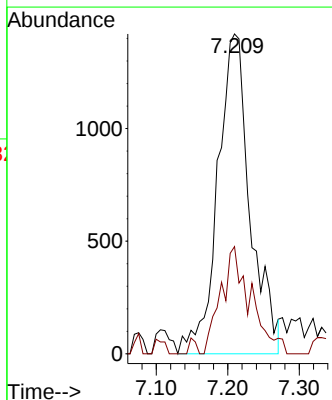
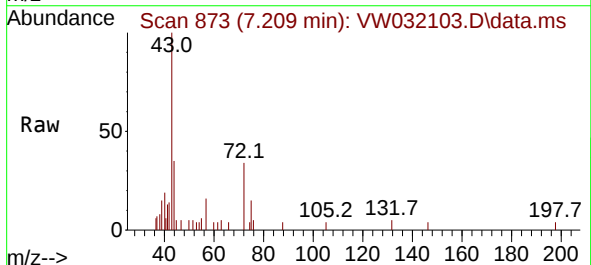
Instrument :
MSVOA_W
ClientSampleId :
88H-S

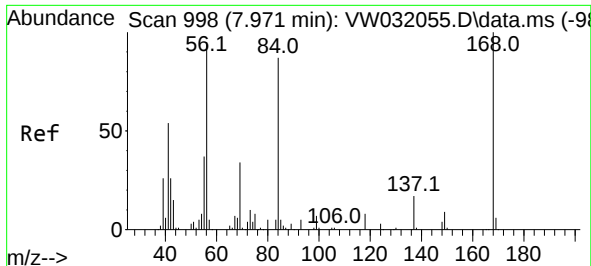
Tgt Ion: 84	Resp: 9985
Ion Ratio	Lower Upper
84 100	
49 123.4	95.9 143.9
51 34.8	28.6 43.0
86 58.5	49.6 74.4



#25
2-Butanone
Concen: 6.444 ug/l
RT: 7.209 min Scan# 873
Delta R.T. 0.018 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 43	Resp: 4485		
Ion Ratio	Lower	Upper	
43 100			
72 33.5	22.3	33.5#	

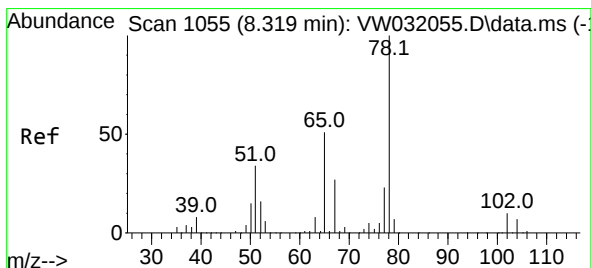
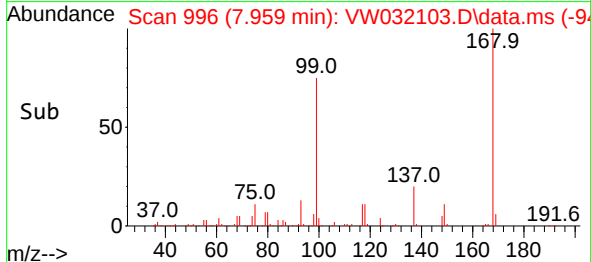
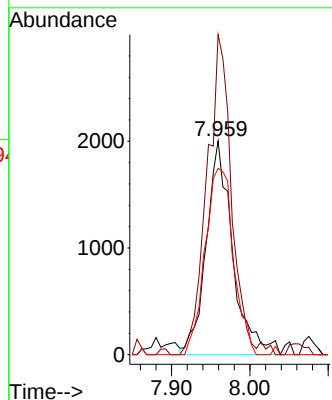
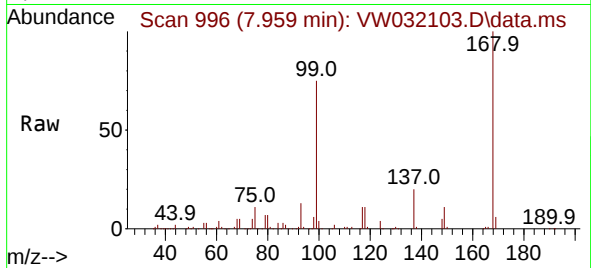




#31
Cyclohexane
Concen: 1.555 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

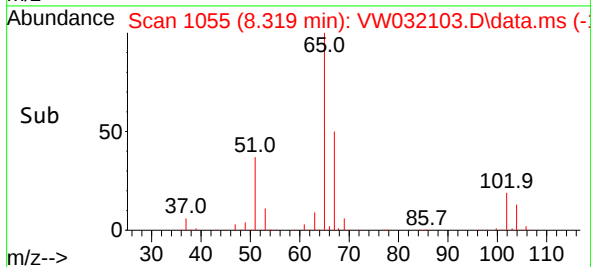
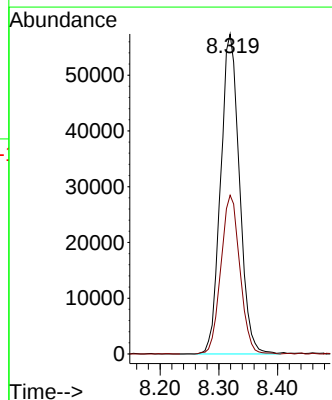
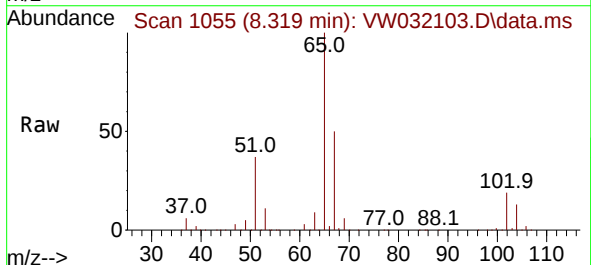
Instrument :
MSVOA_W
ClientSampleId :
88H-S

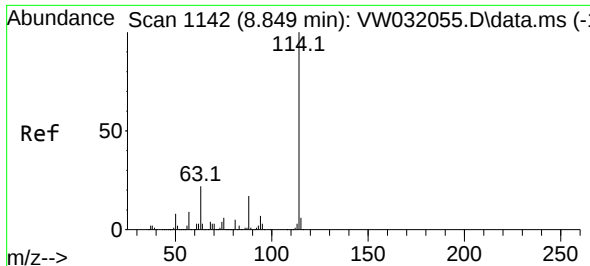
Tgt Ion: 56 Resp: 4686
Ion Ratio Lower Upper
56 100
69 149.7 28.6 42.8#
84 87.2 73.0 109.4



#33
1,2-Dichloroethane-d4
Concen: 60.403 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 65 Resp: 127754
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

88H-S

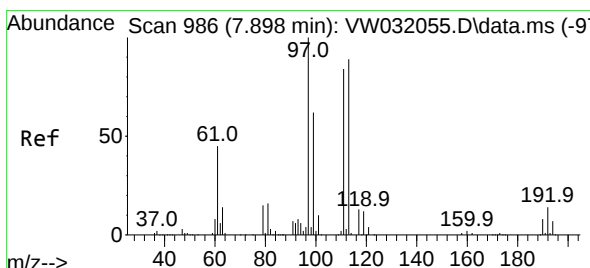
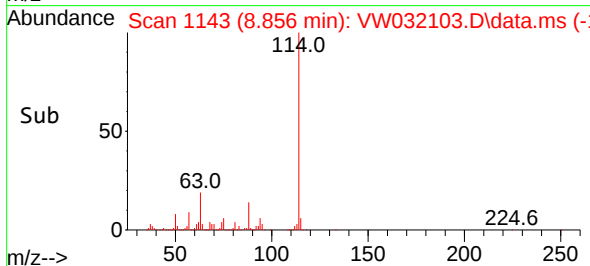
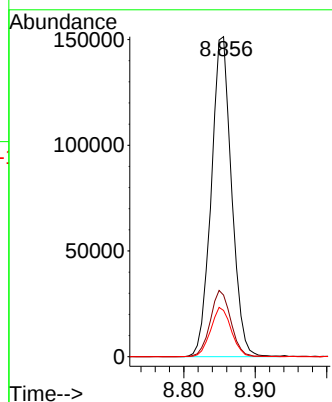
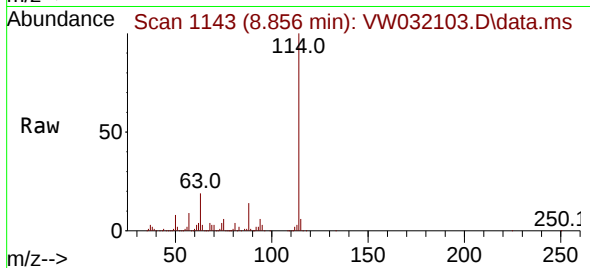
Tgt Ion:114 Resp: 298387

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.0

88 14.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 55.297 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

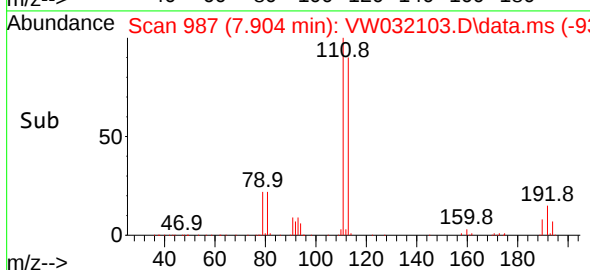
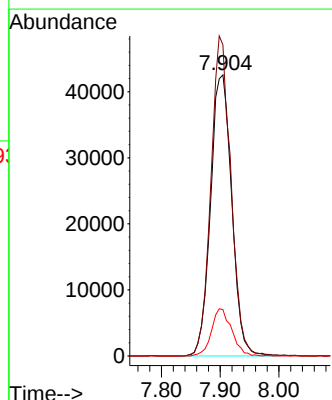
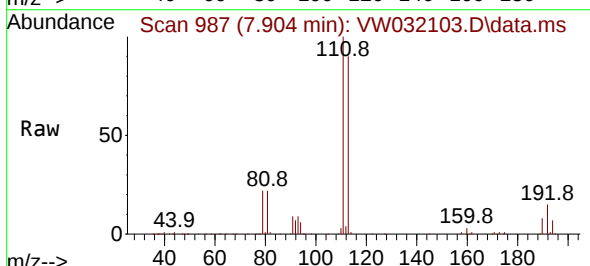
Tgt Ion:113 Resp: 106596

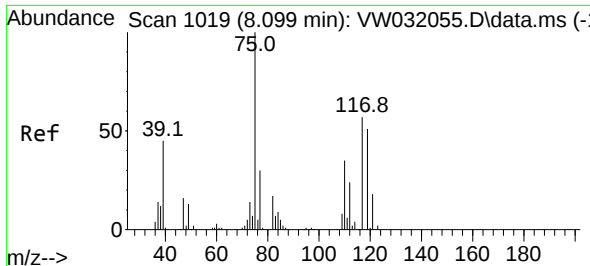
Ion Ratio Lower Upper

113 100

111 107.3 80.1 120.1

192 16.0 13.1 19.7





#36

1,1-Dichloropropene

Concen: 5.113 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

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ClientSampleId :

88H-S

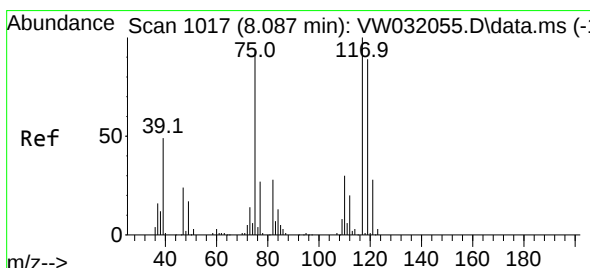
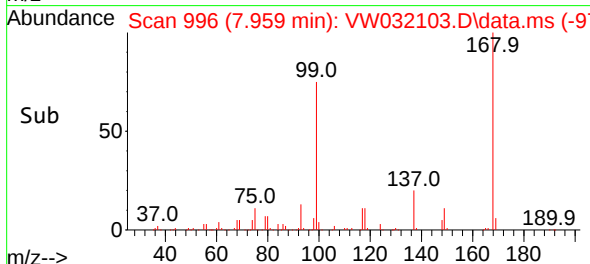
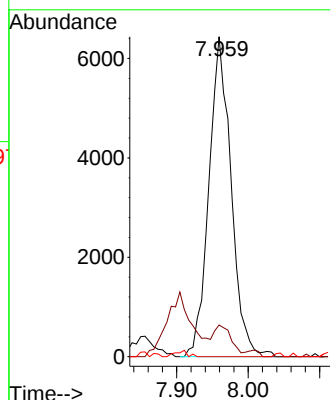
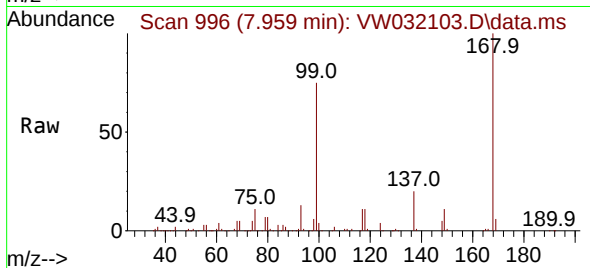
Tgt Ion: 75 Resp: 13895

Ion Ratio Lower Upper

75 100

110 7.7 17.4 52.2#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

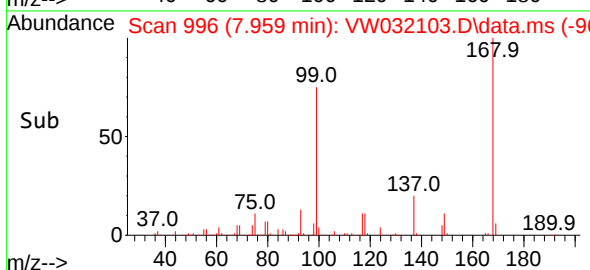
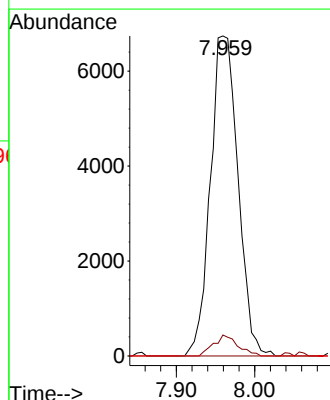
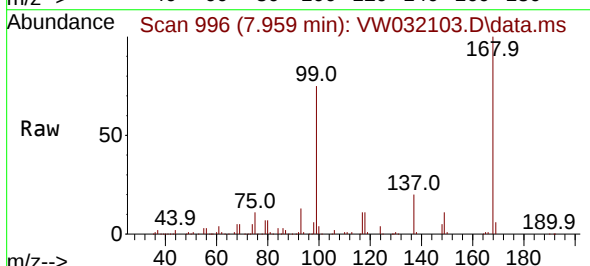
Tgt Ion: 117 Resp: 16559

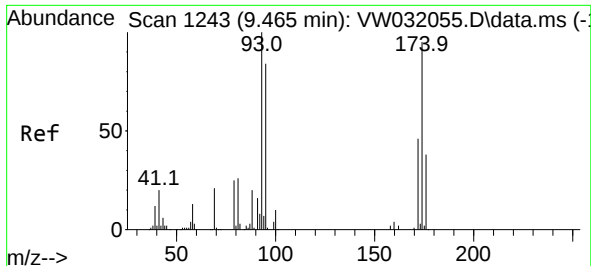
Ion Ratio Lower Upper

117 100

119 6.6 71.4 107.2#

121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 1.468 ug/l

RT: 9.587 min Scan# 11

Delta R.T. 0.122 min

Lab File: VW032103.D

Acq: 14 Aug 2025 18:47

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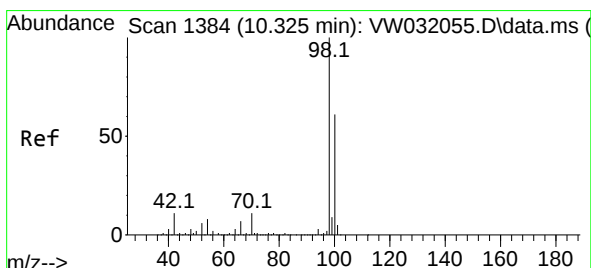
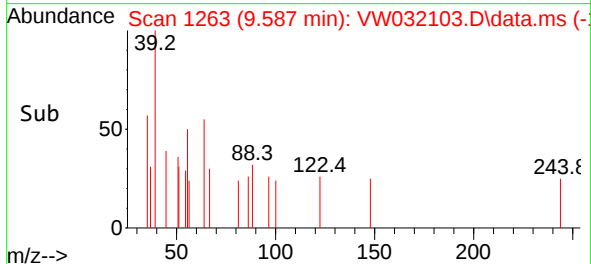
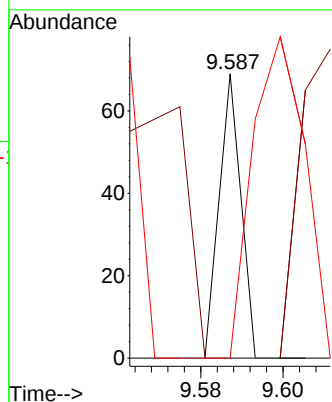
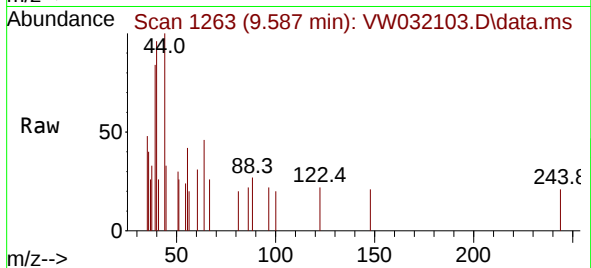
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 276.0 60.4 90.6#



#50

Toluene-d8

Concen: 49.903 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032103.D

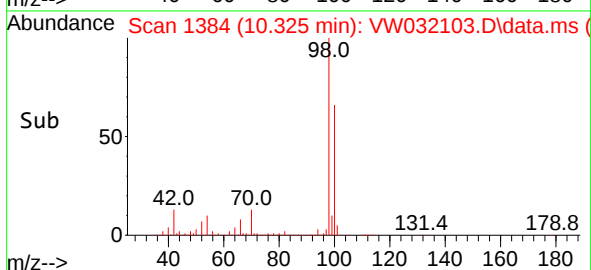
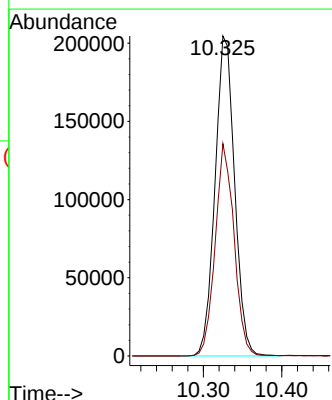
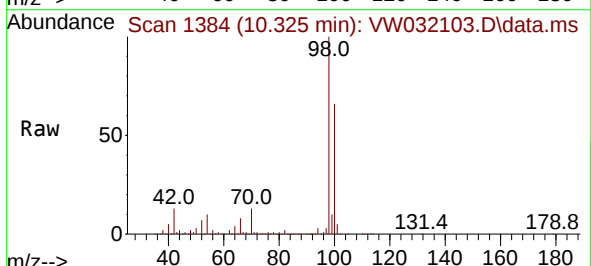
Acq: 14 Aug 2025 18:47

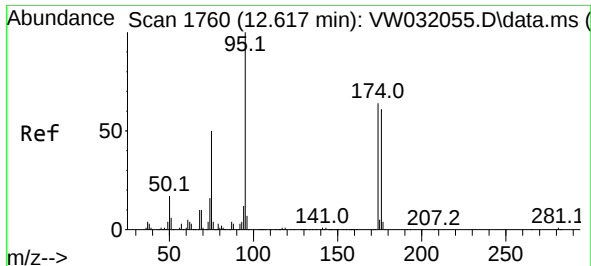
Tgt Ion: 98 Resp: 355808

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7

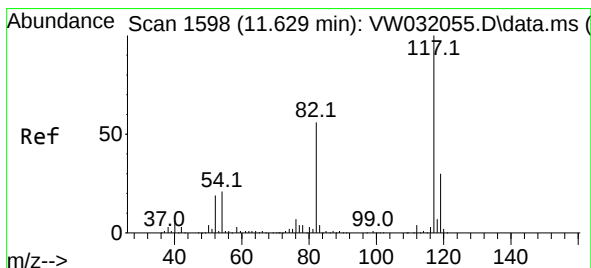
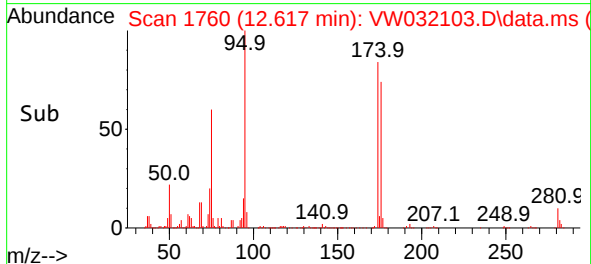
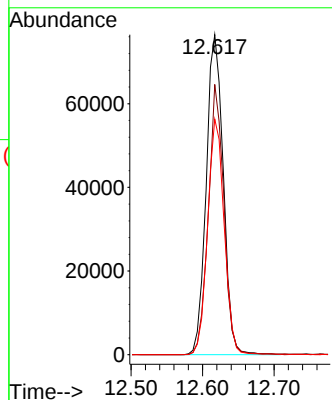
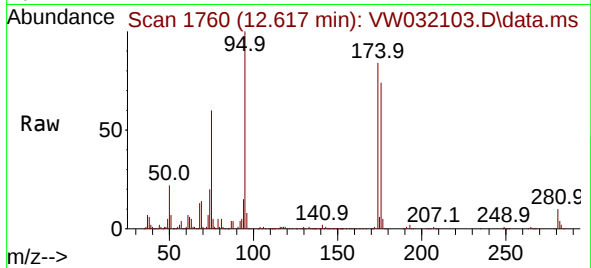




#62
4-Bromofluorobenzene
Concen: 48.269 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

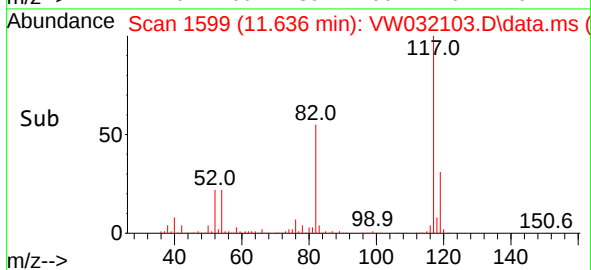
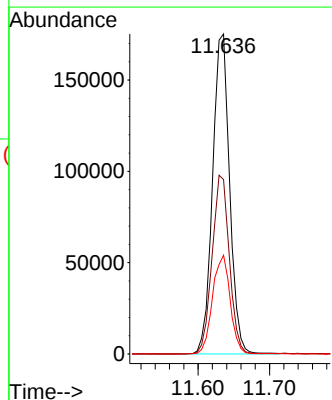
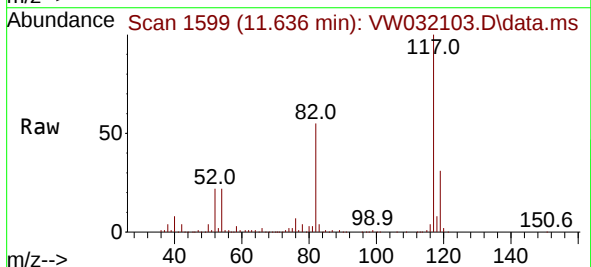
Instrument :
MSVOA_W
ClientSampleId :
88H-S

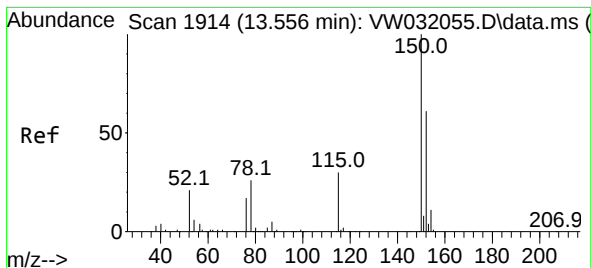
Tgt Ion: 95 Resp: 126826
Ion Ratio Lower Upper
95 100
174 77.0 0.0 129.0
176 71.9 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 117 Resp: 290020
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 30.8 24.2 36.4

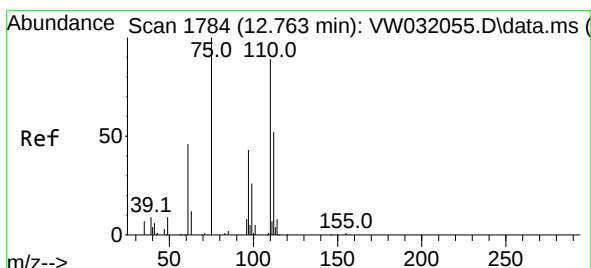
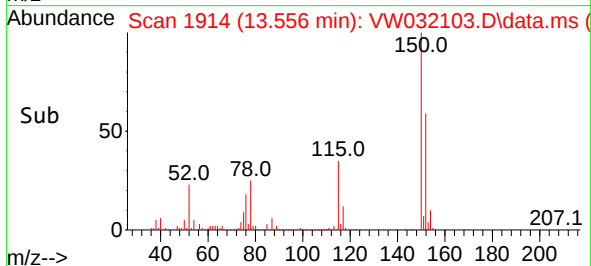
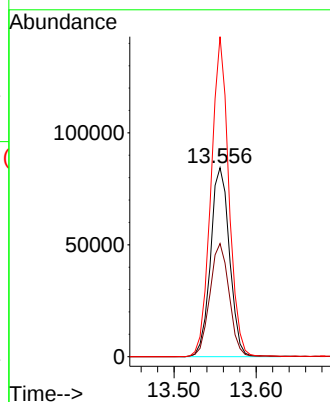
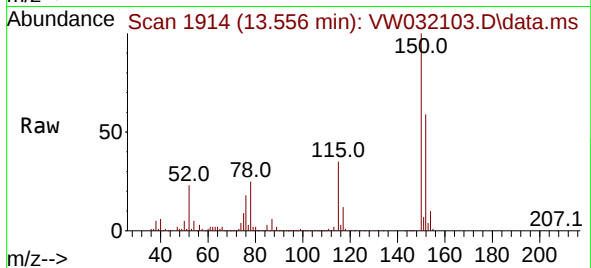




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

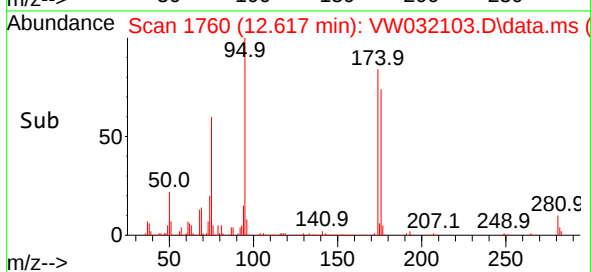
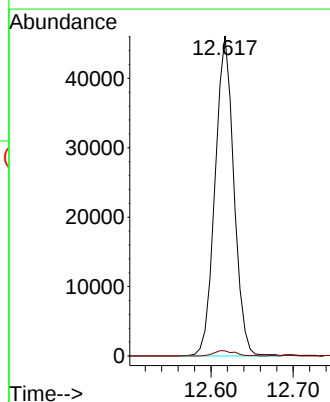
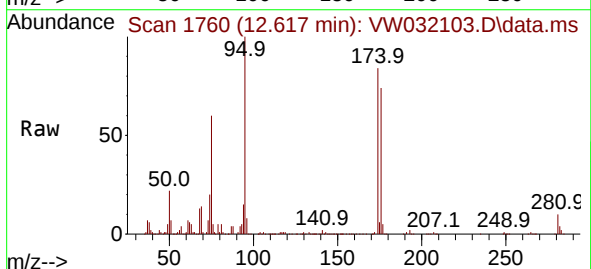
Instrument :
MSVOA_W
ClientSampleId :
88H-S

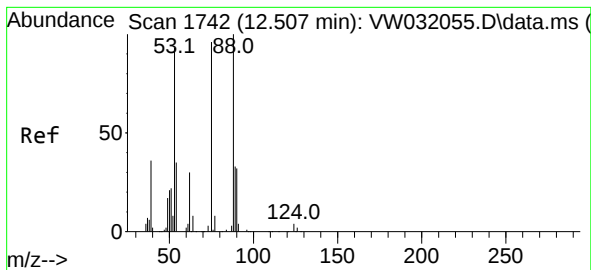
Tgt Ion:152 Resp: 135214
Ion Ratio Lower Upper
152 100
115 61.1 32.6 97.8
150 159.3 0.0 359.4



#76
1,2,3-Trichloropropane
Concen: 39.891 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 75 Resp: 73206
Ion Ratio Lower Upper
75 100
77 1.9 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.273 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032103.D
 Acq: 14 Aug 2025 18:47

Instrument :
 MSVOA_W
 ClientSampleId :
 88H-S

Tgt Ion: 75 Resp: 73206
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.6#
 89 0.4 37.3 55.9#

