

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032076.D
 Acq On : 11 Aug 2025 18:47
 Operator : SY/MD
 Sample : Q2819-06
 Misc : 5.71g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 11M-S

Quant Time: Aug 12 04:29:53 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)

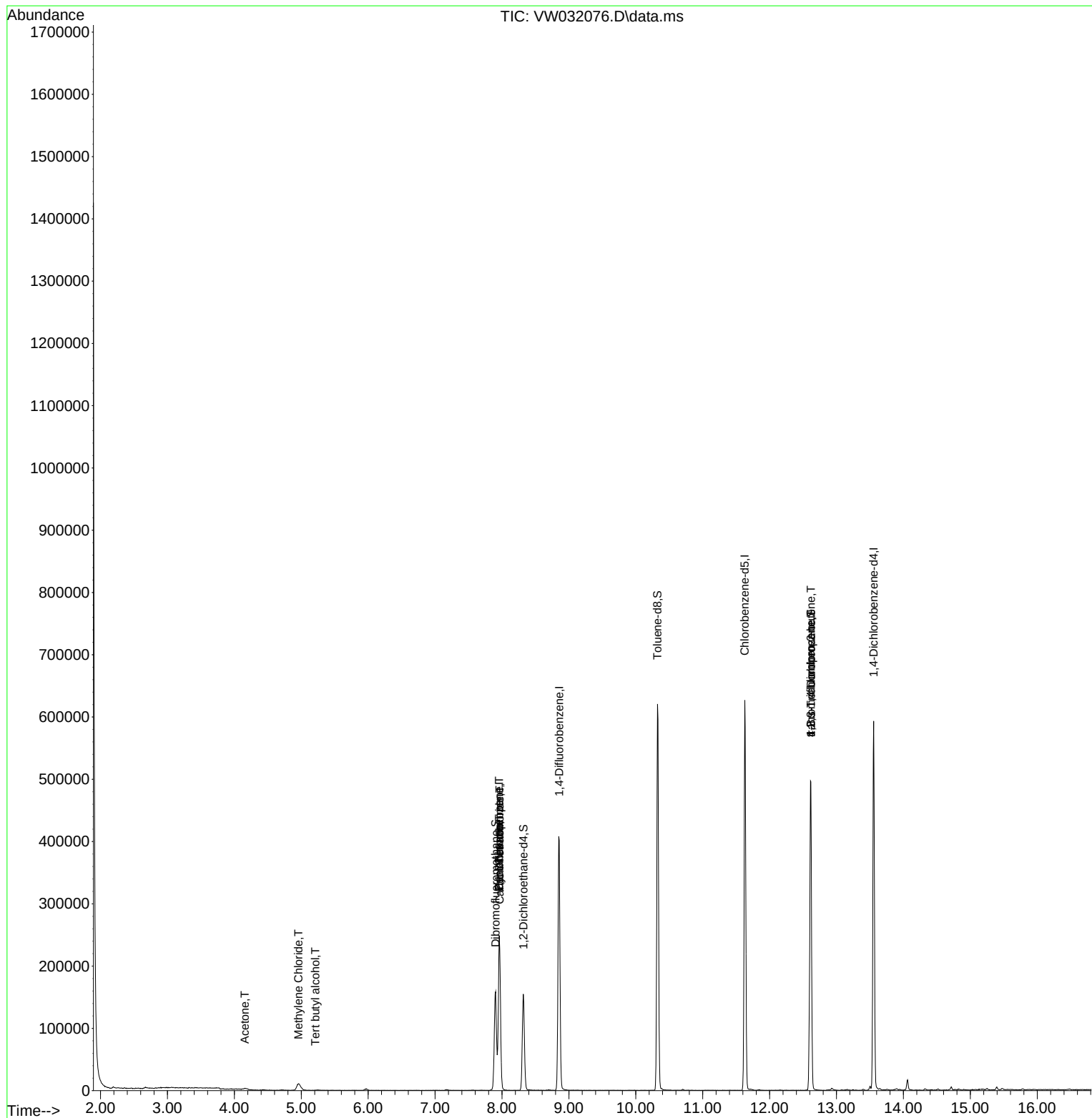
Internal Standards						
1) Pentafluorobenzene	7.959	168	165877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	348126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	337870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	150514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127564	53.173	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.340%	
35) Dibromofluoromethane	7.904	113	117342	52.174	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 104.340%	
50) Toluene-d8	10.325	98	418630	50.325	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.617	95	157097	51.247	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 102.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	225	1.448	ug/l #	71
16) Acetone	4.155	43	2402	4.324	ug/l #	88
20) Methylene Chloride	4.960	84	9910	3.859	ug/l	92
31) Cyclohexane	7.959	56	3896	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	15742	4.965	ug/l #	49
38) Carbon Tetrachloride	7.965	117	18845	6.159	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	82042	40.161	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	82042	103.973	ug/l #	9

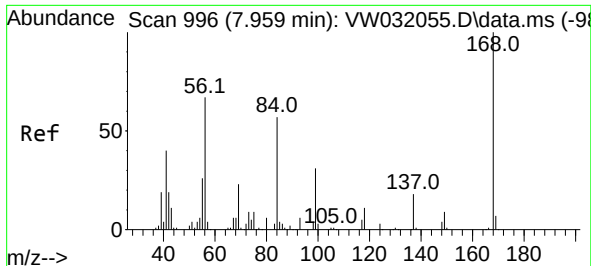
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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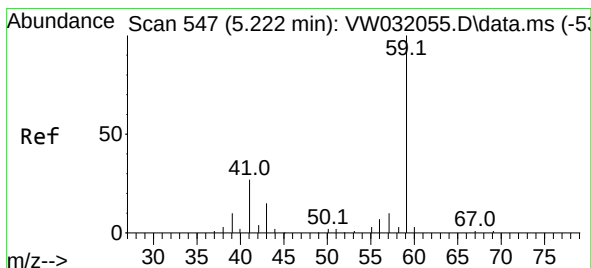
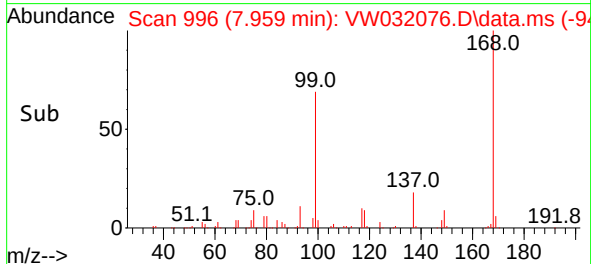
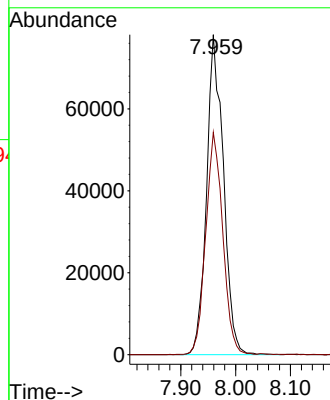
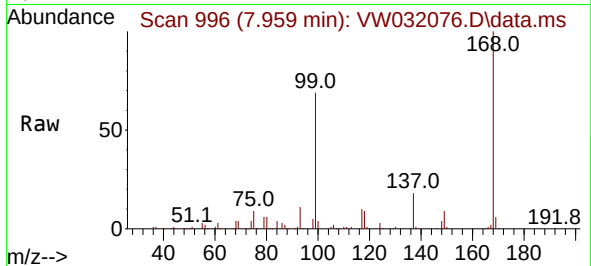




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

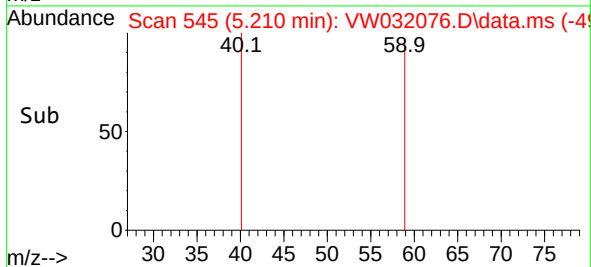
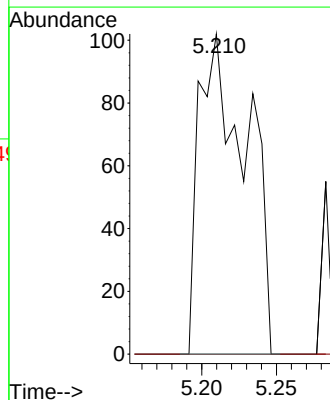
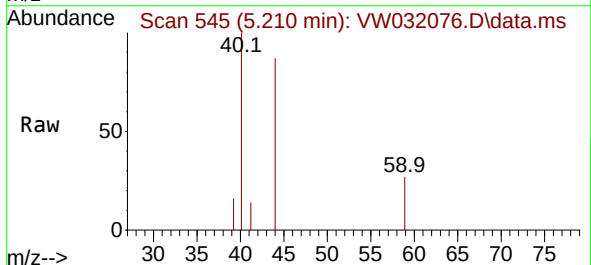
Instrument :
MSVOA_W
ClientSampleId :
11M-S

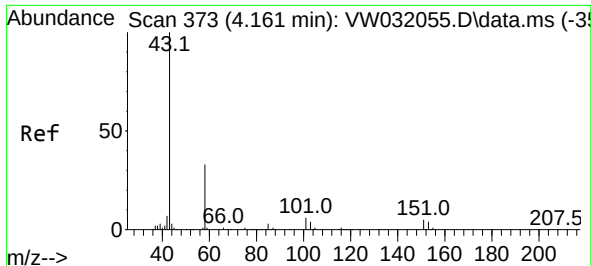
Tgt Ion:168 Resp: 165877
Ion Ratio Lower Upper
168 100
99 69.3 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.448 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

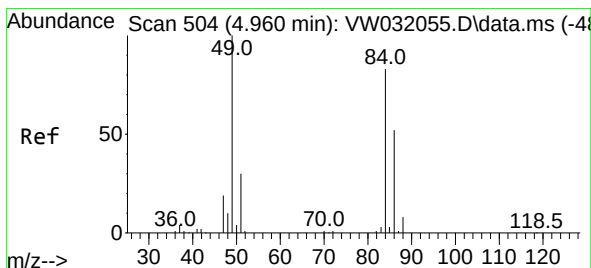
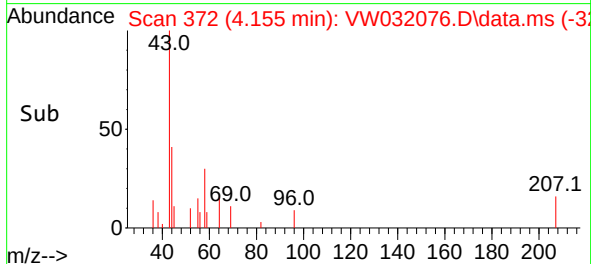
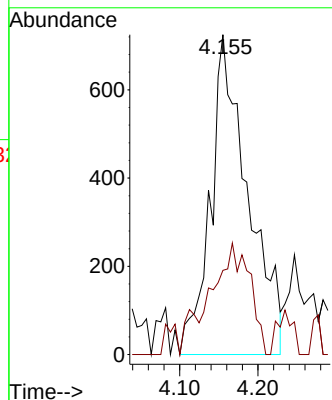
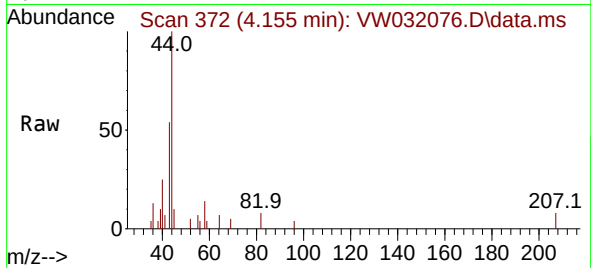




#16
Acetone
Concen: 4.324 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

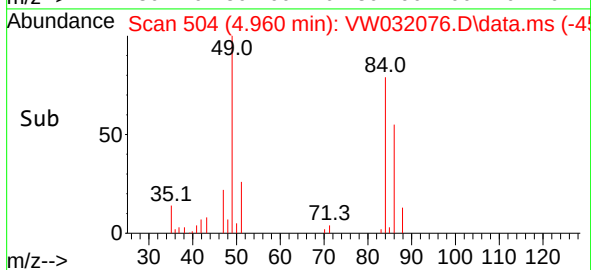
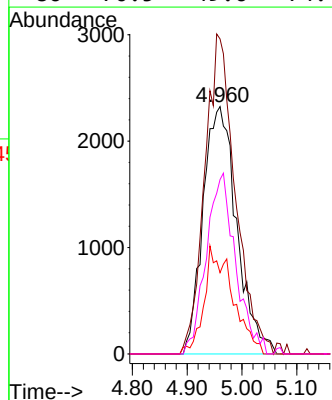
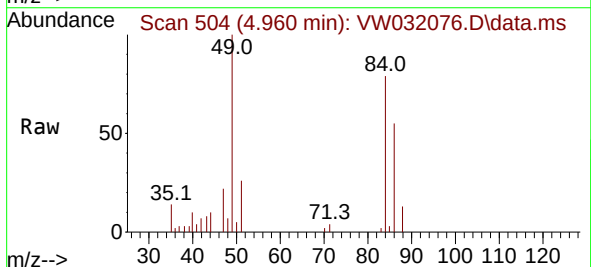
Instrument :
MSVOA_W
ClientSampleId :
11M-S

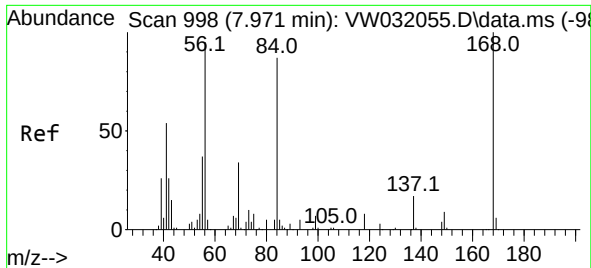
Tgt Ion: 43 Resp: 2402
Ion Ratio Lower Upper
43 100
58 26.3 26.6 39.8#



#20
Methylene Chloride
Concen: 3.859 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion: 84 Resp: 9910
Ion Ratio Lower Upper
84 100
49 127.3 95.9 143.9
51 32.8 28.6 43.0
86 70.5 49.6 74.4

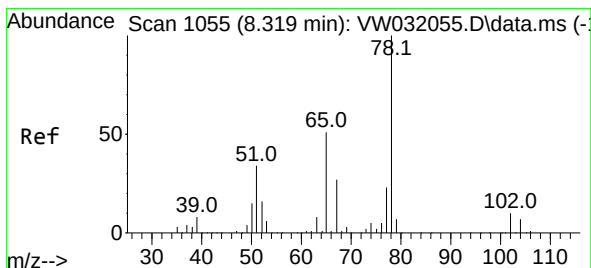
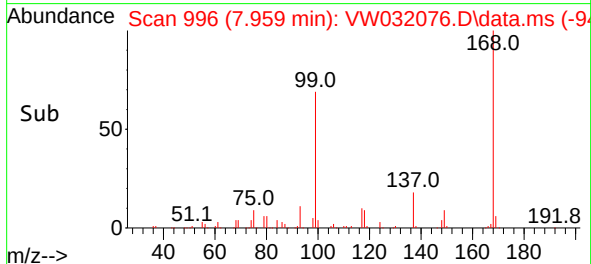
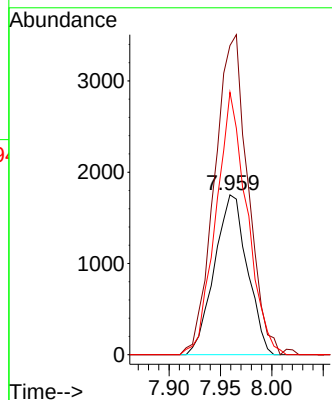
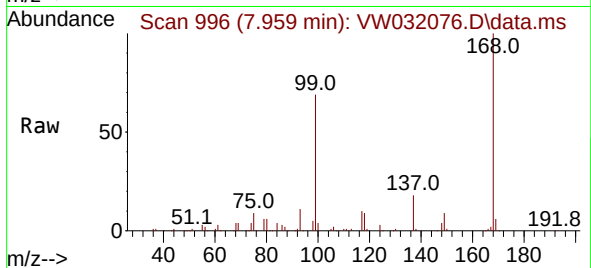




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

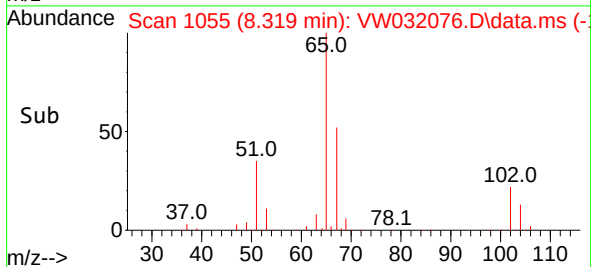
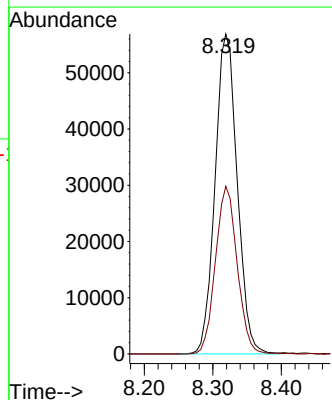
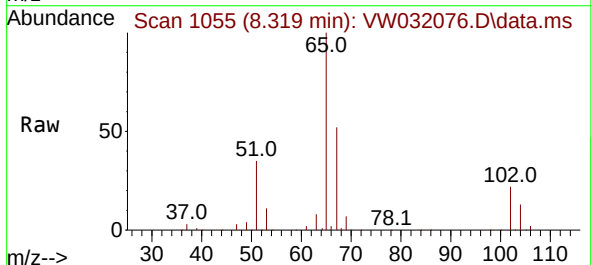
Instrument :
MSVOA_W
ClientSampleId :
11M-S

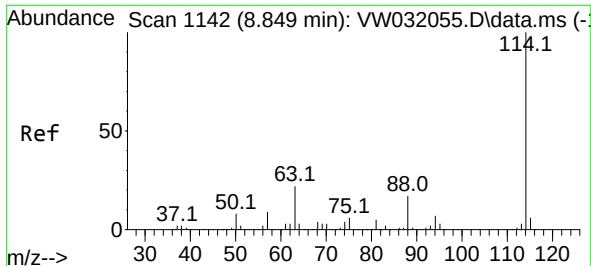
Tgt Ion: 56 Resp: 3896
Ion Ratio Lower Upper
56 100
69 193.3 28.6 42.8#
84 164.2 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 53.173 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion: 65 Resp: 127564
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VW032076.D

Acq: 11 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

11M-S

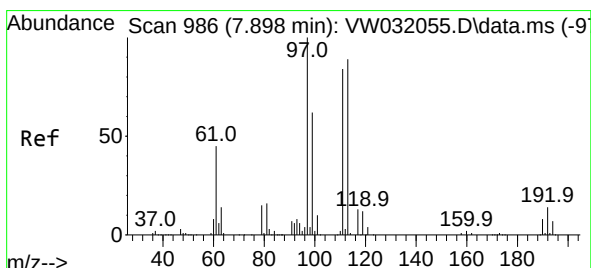
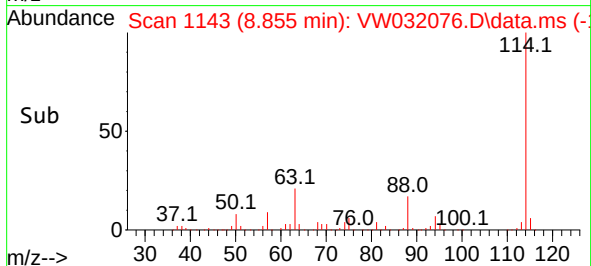
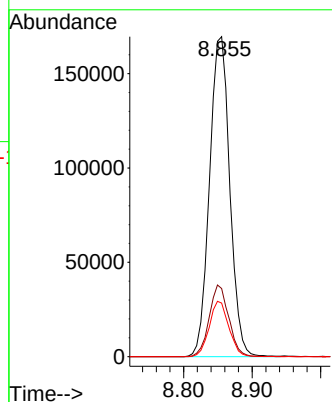
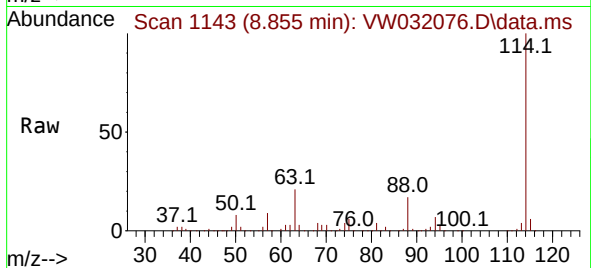
Tgt Ion:114 Resp: 348126

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

88 16.8 0.0 33.8



#35

Dibromofluoromethane

Concen: 52.174 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032076.D

Acq: 11 Aug 2025 18:47

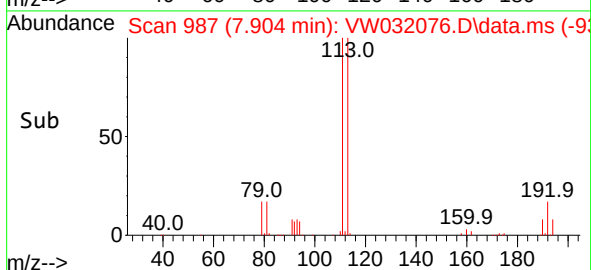
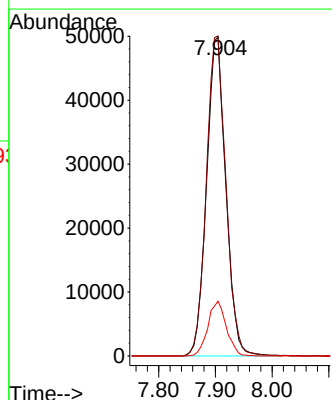
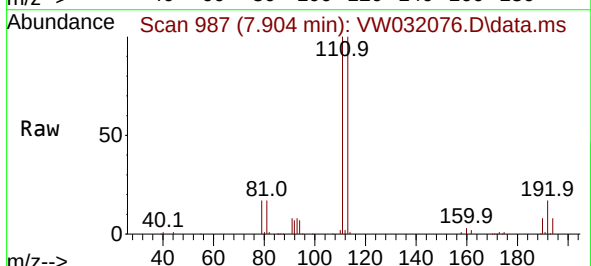
Tgt Ion:113 Resp: 117342

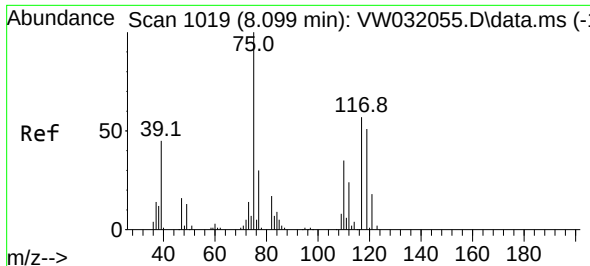
Ion Ratio Lower Upper

113 100

111 102.2 80.1 120.1

192 16.5 13.1 19.7





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032076.D

Acq: 11 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

11M-S

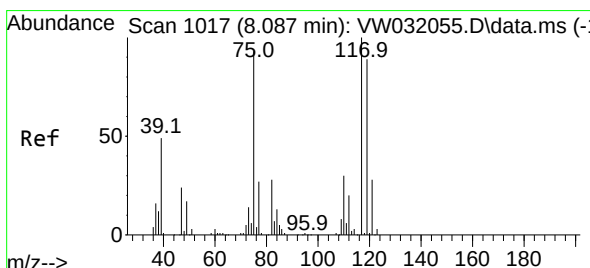
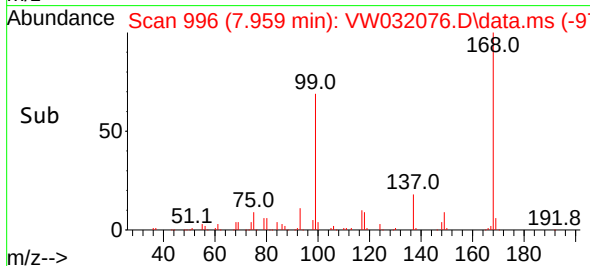
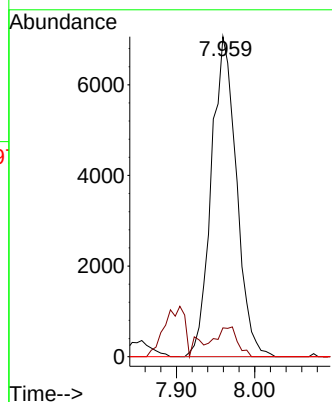
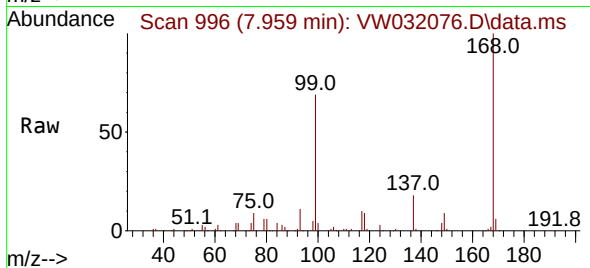
Tgt Ion: 75 Resp: 15742

Ion Ratio Lower Upper

75 100

110 7.7 17.4 52.2#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.159 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032076.D

Acq: 11 Aug 2025 18:47

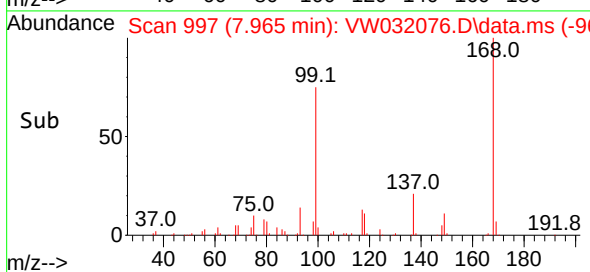
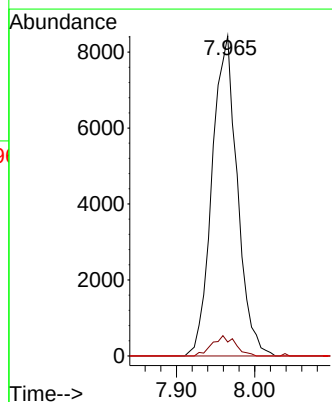
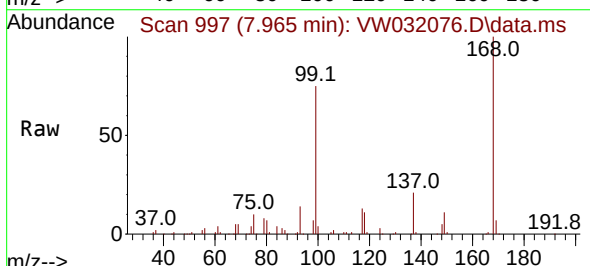
Tgt Ion: 117 Resp: 18845

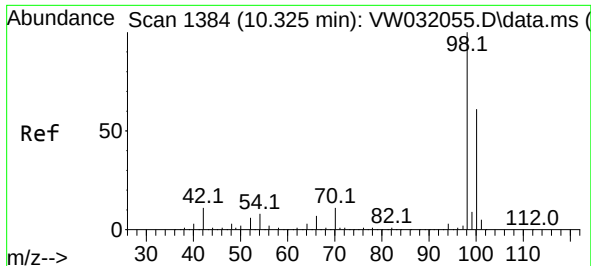
Ion Ratio Lower Upper

117 100

119 4.3 71.4 107.2#

121 0.0 22.3 33.5#

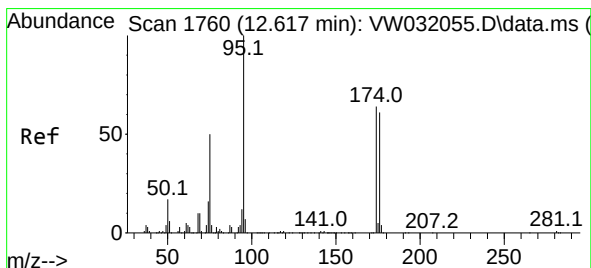
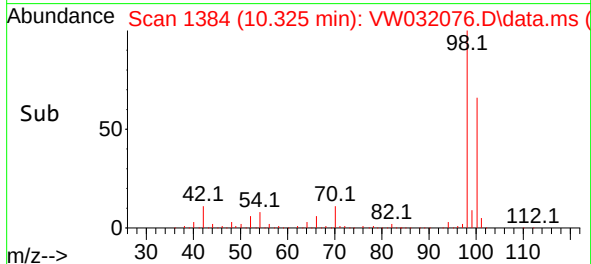
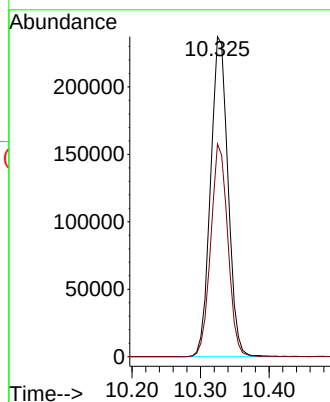
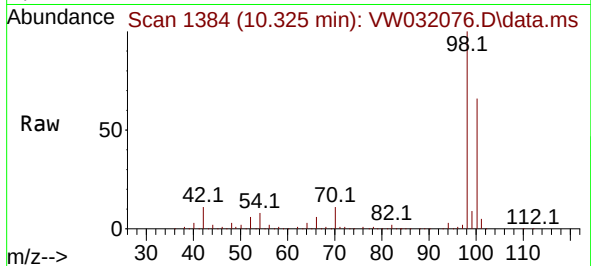




#50
Toluene-d8
Concen: 50.325 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

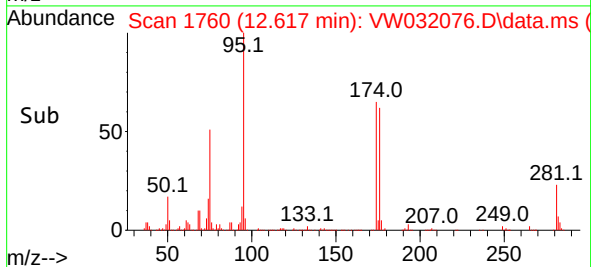
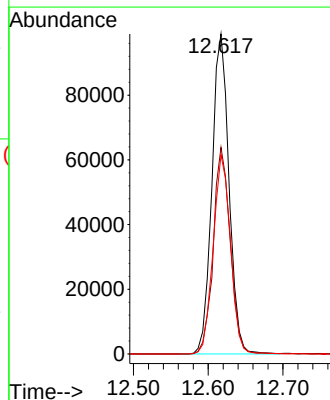
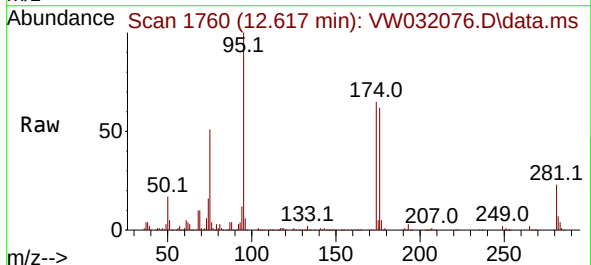
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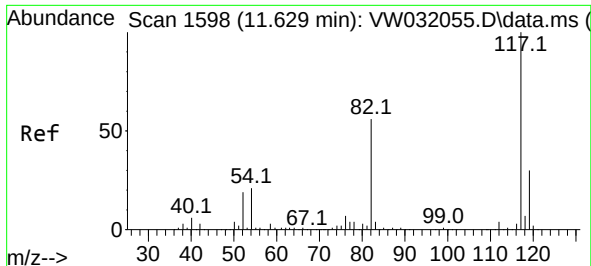
Tgt Ion: 98 Resp: 418630
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.247 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion: 95 Resp: 157097
Ion Ratio Lower Upper
95 100
174 64.0 0.0 129.0
176 62.9 0.0 124.6

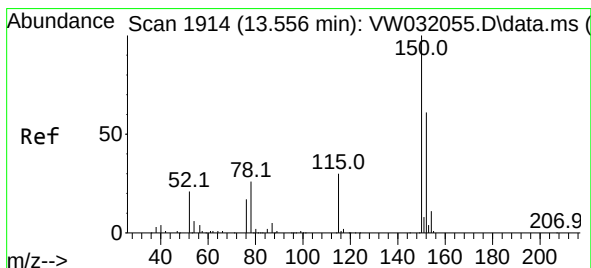
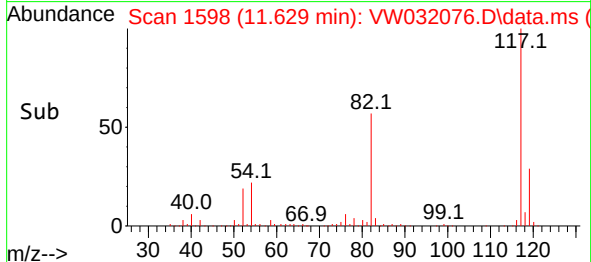
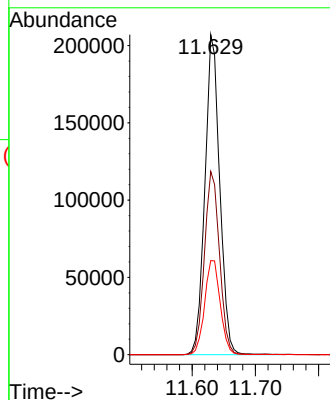
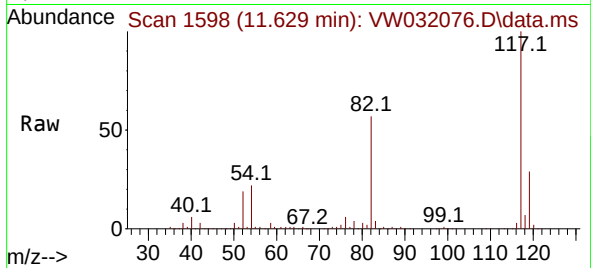




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

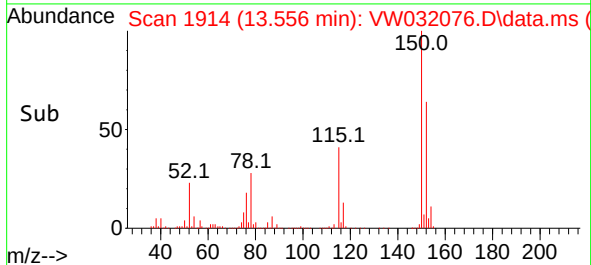
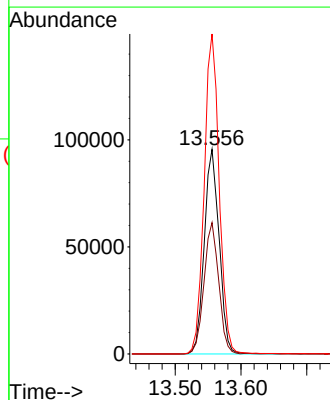
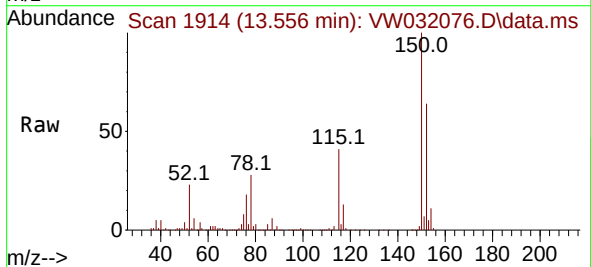
Instrument :
MSVOA_W
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11M-S

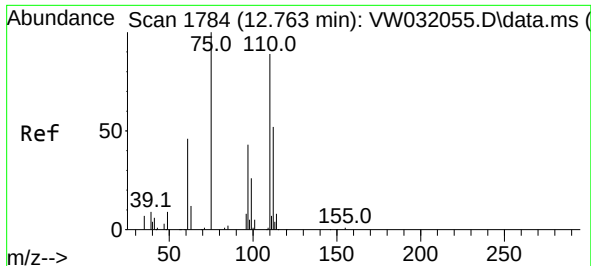
Tgt Ion:117 Resp: 337870
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 29.4 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion:152 Resp: 150514
Ion Ratio Lower Upper
152 100
115 63.5 32.6 97.8
150 157.4 0.0 359.4

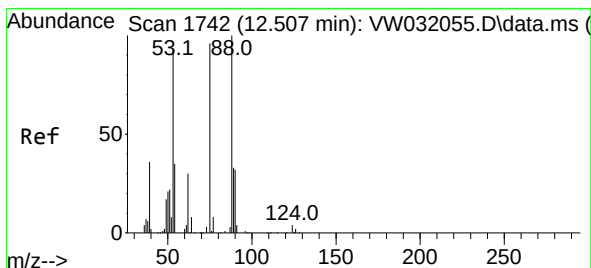
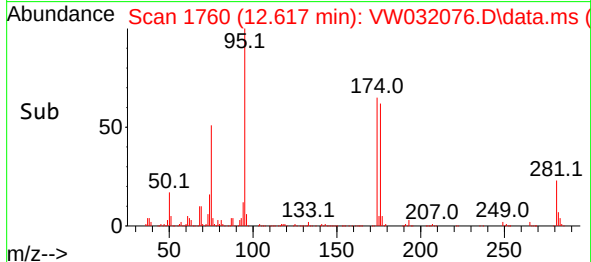
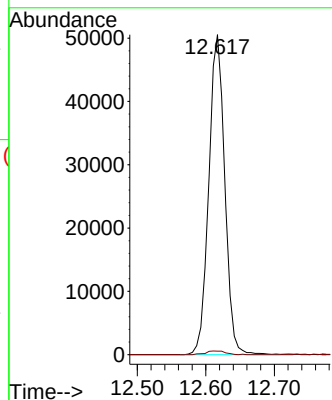
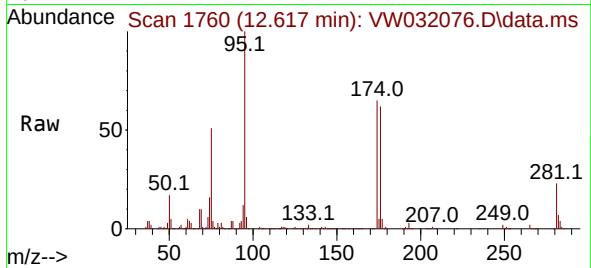




#76
1,2,3-Trichloropropane
Concen: 40.161 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Instrument :
MSVOA_W
ClientSampleId :
11M-S

Tgt Ion: 75 Resp: 82042
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.973 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion: 75 Resp: 82042
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.6#
89 0.0 37.3 55.9#

