

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031998.D
 Acq On : 04 Aug 2025 13:56
 Operator : SY/MD
 Sample : Q2758-01
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WASTE

Quant Time: Aug 05 01:19:14 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)

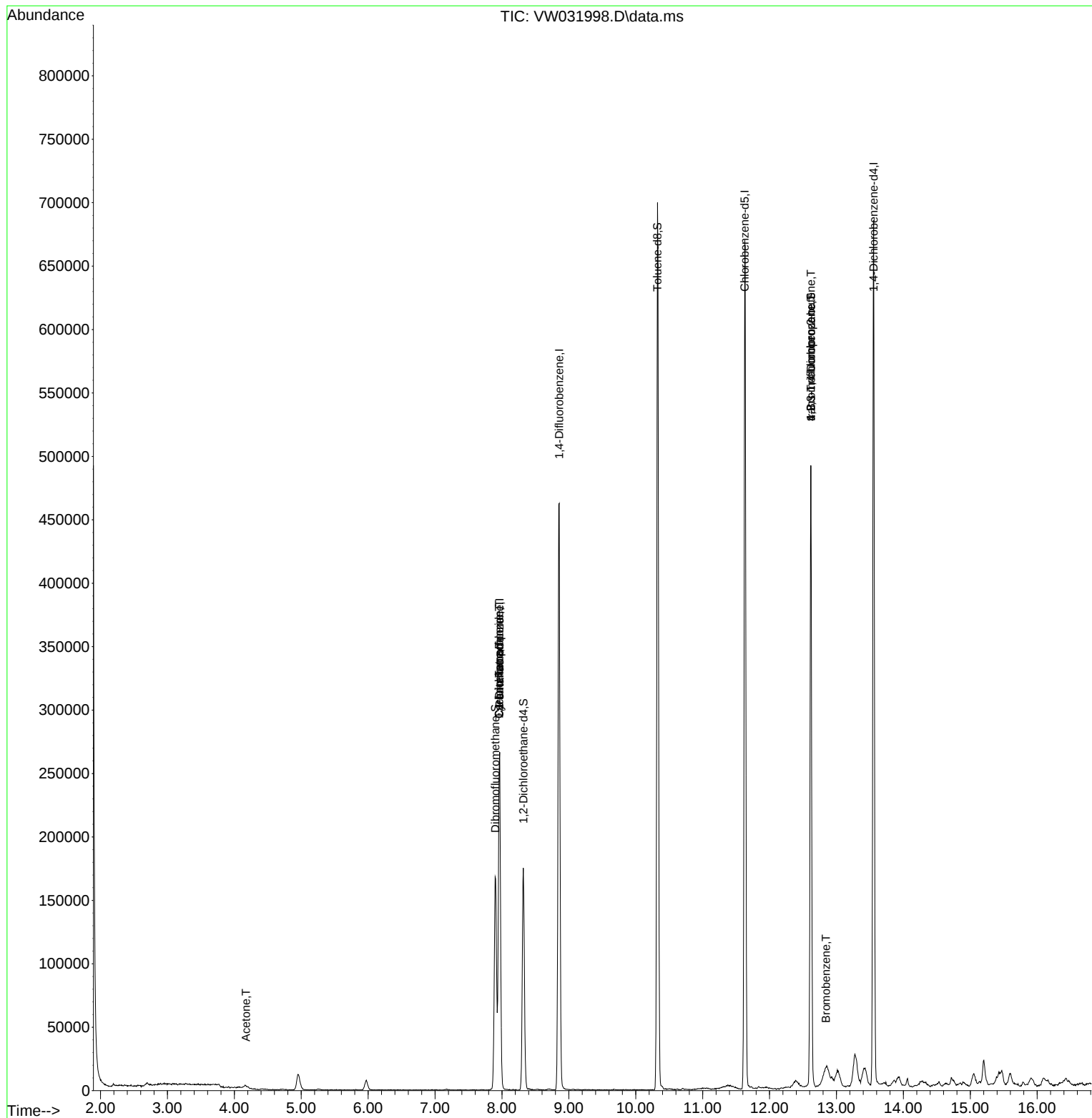
Internal Standards						
1) Pentafluorobenzene	7.965	168	181912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	397326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	370242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142726	51.865	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 103.740%		
35) Dibromofluoromethane	7.898	113	126414	46.822	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 93.640%		
50) Toluene-d8	10.325	98	464468	45.455	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 90.900%		
62) 4-Bromofluorobenzene	12.617	95	176776	45.055	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 90.100%		
Target Compounds						
13) Acrolein	3.997	56	70	Below Cal	#	68
16) Acetone	4.173	43	2909	4.455	ug/l	93
20) Methylene Chloride	4.948	84	10823	Below Cal		96
31) Cyclohexane	7.959	56	4646	1.101	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17426	4.203	ug/l #	50
38) Carbon Tetrachloride	7.959	117	21647	5.440	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	91230	39.220	ug/l #	100
77) Bromobenzene	12.843	156	22970	7.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	91230	90.549	ug/l #	8

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

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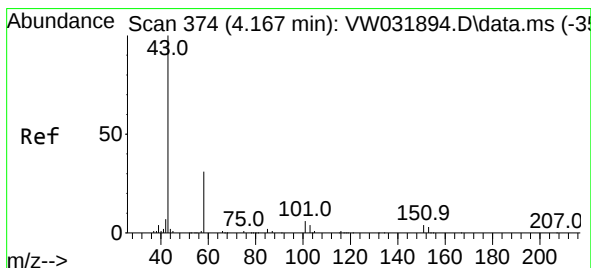
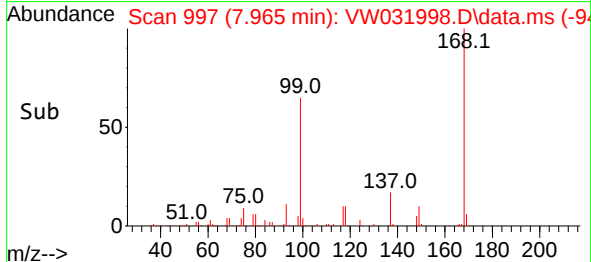
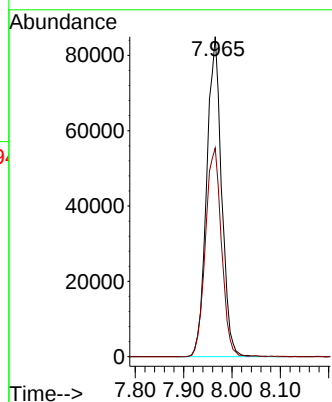
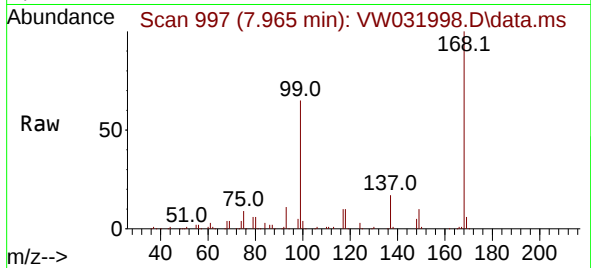




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

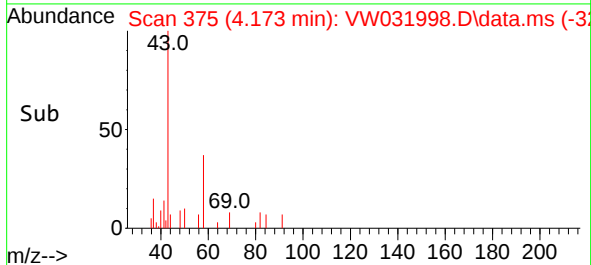
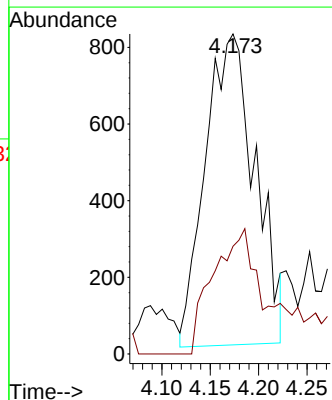
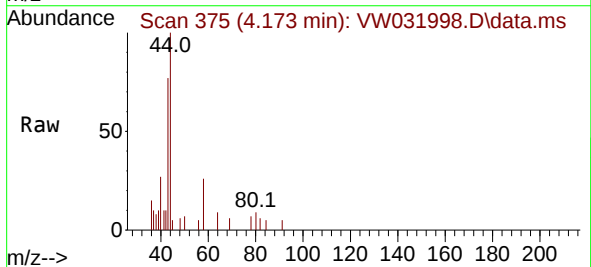
Instrument :
MSVOA_W
ClientSampleId :
WASTE

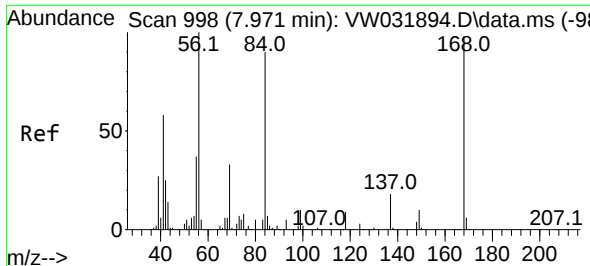
Tgt Ion:168 Resp: 181912
Ion Ratio Lower Upper
168 100
99 65.3 48.2 72.2



#16
Acetone
Concen: 4.455 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
58 36.0 25.5 38.3

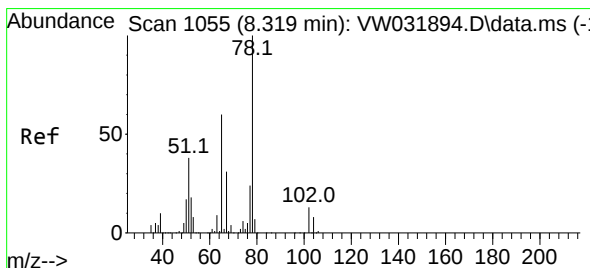
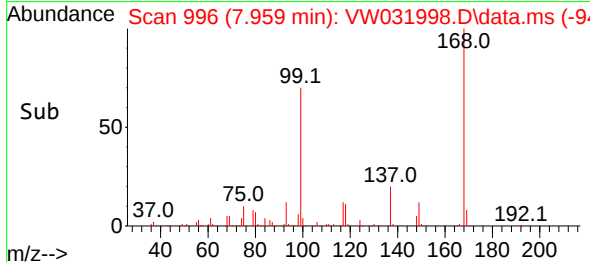
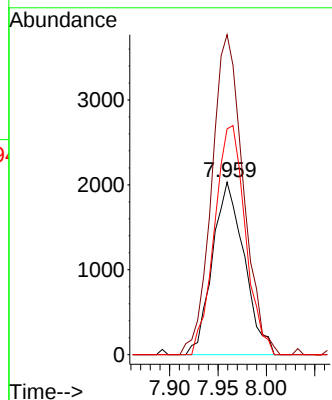
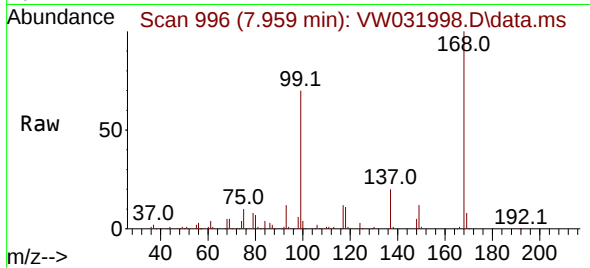




#31
Cyclohexane
Concen: 1.101 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

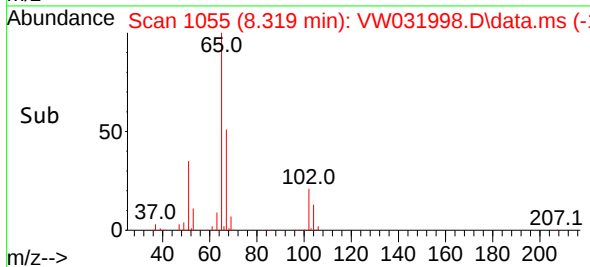
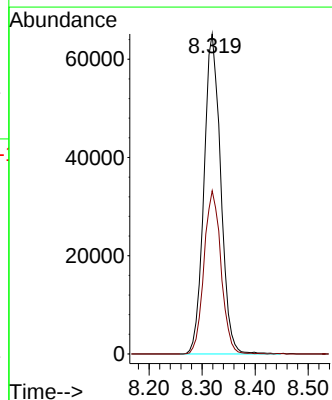
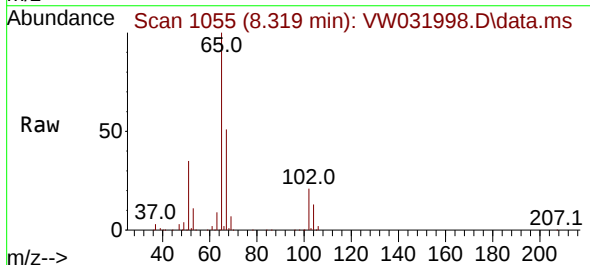
Instrument :
MSVOA_W
ClientSampleId :
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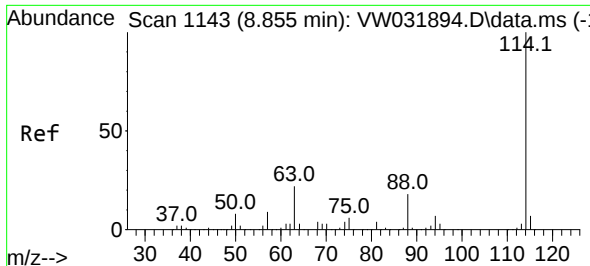
Tgt Ion: 56 Resp: 4646
Ion Ratio Lower Upper
56 100
69 185.5 26.7 40.1#
84 130.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 51.865 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 65 Resp: 142726
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW031998.D

Acq: 04 Aug 2025 13:56

Instrument :

MSVOA_W

ClientSampleId :

WASTE

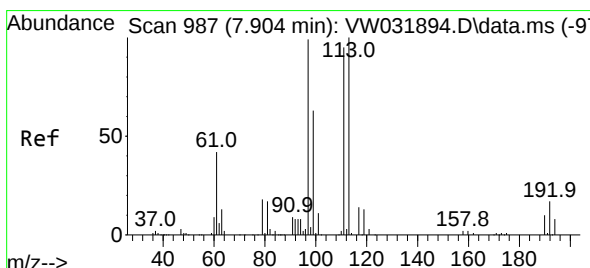
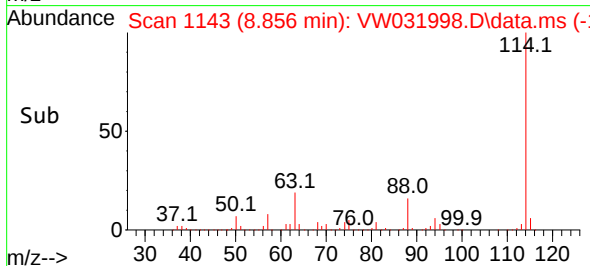
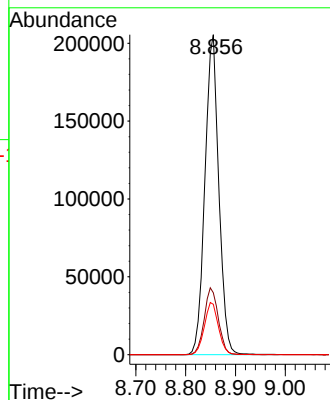
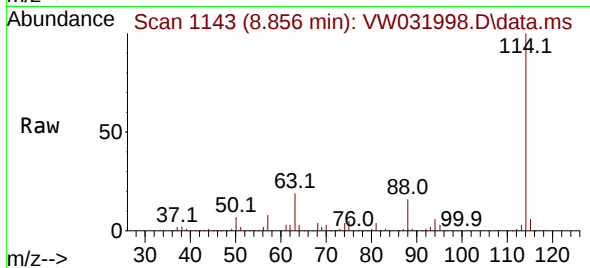
Tgt Ion:114 Resp: 397326

Ion Ratio Lower Upper

114 100

63 19.4 0.0 44.2

88 15.8 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.822 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031998.D

Acq: 04 Aug 2025 13:56

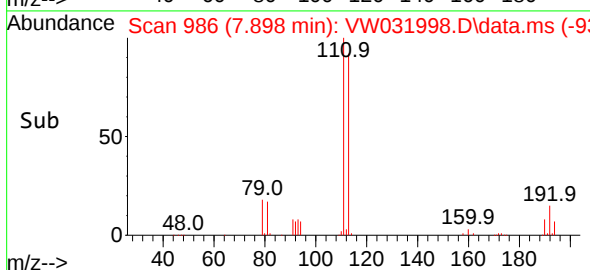
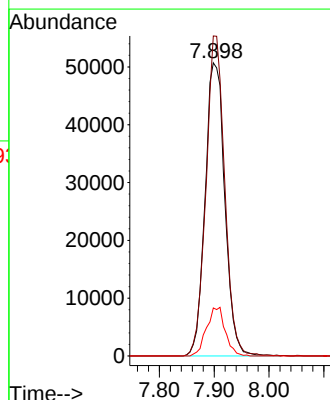
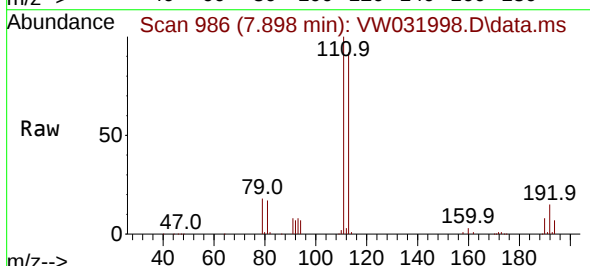
Tgt Ion:113 Resp: 126414

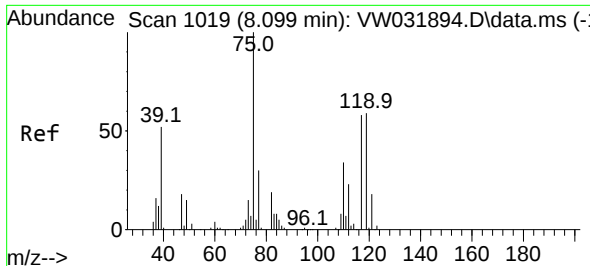
Ion Ratio Lower Upper

113 100

111 104.1 79.9 119.9

192 15.7 12.6 19.0

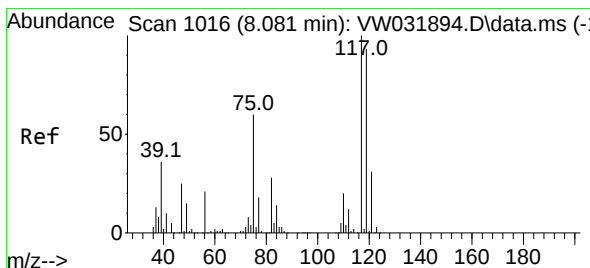
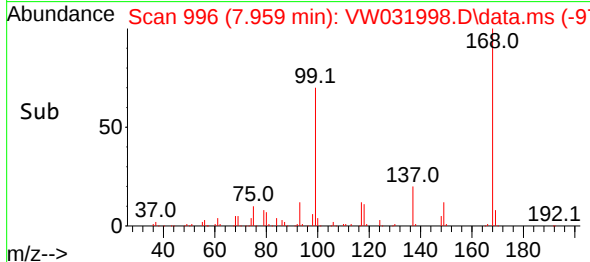
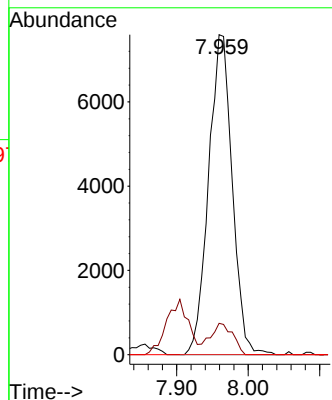
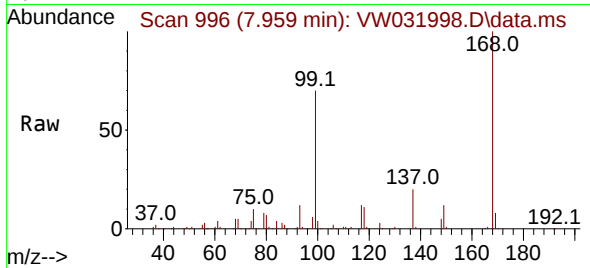




#36
1,1-Dichloropropene
Concen: 4.203 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

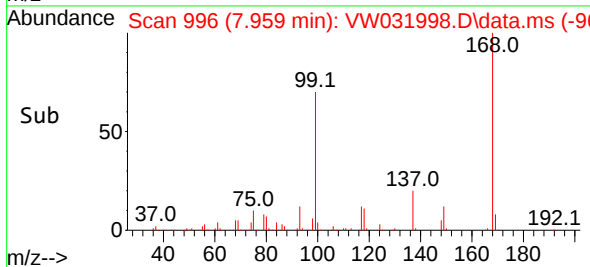
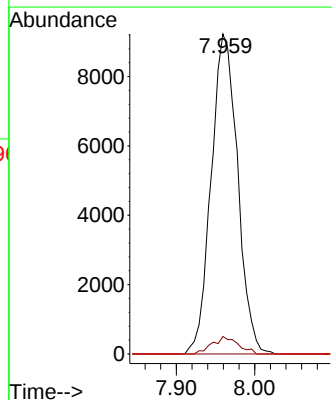
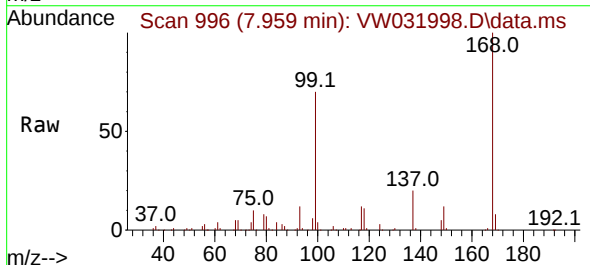
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ClientSampleId :
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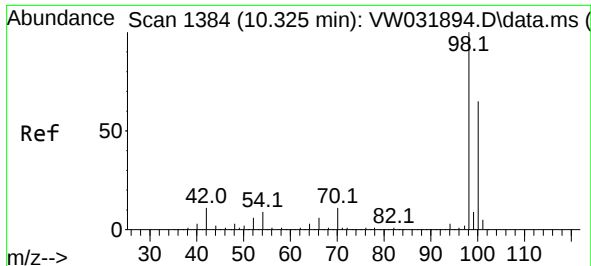
Tgt Ion: 75 Resp: 17426
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.440 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 117 Resp: 21647
Ion Ratio Lower Upper
117 100
119 5.5 74.3 111.5#
121 0.0 24.6 37.0#

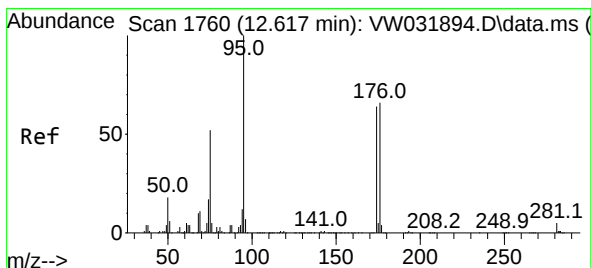
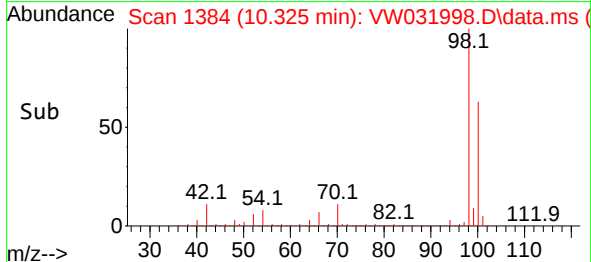
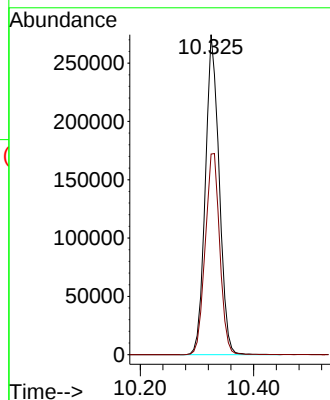
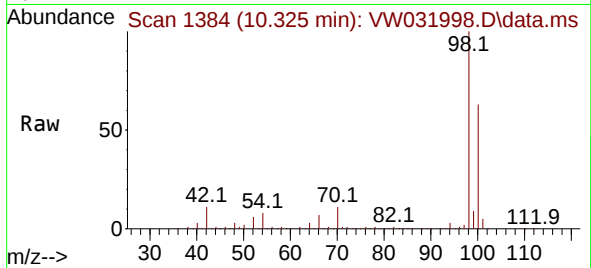




#50
Toluene-d8
Concen: 45.455 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

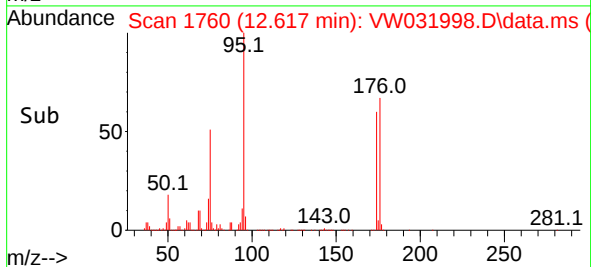
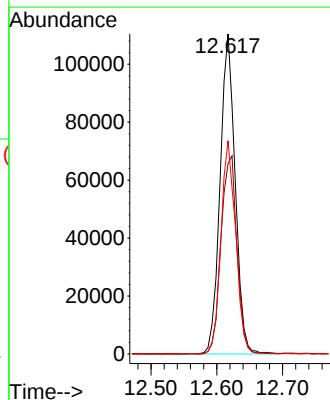
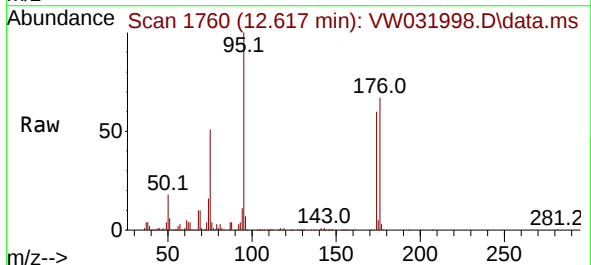
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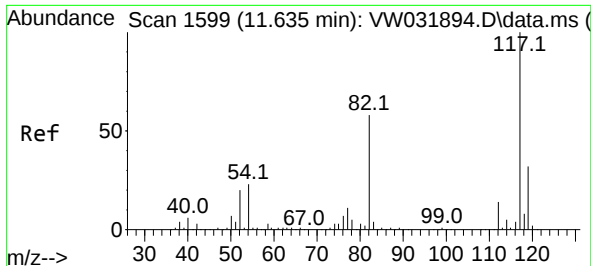
Tgt Ion: 98 Resp: 464468
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.055 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 95 Resp: 176776
Ion Ratio Lower Upper
95 100
174 65.6 0.0 129.8
176 64.8 0.0 130.4

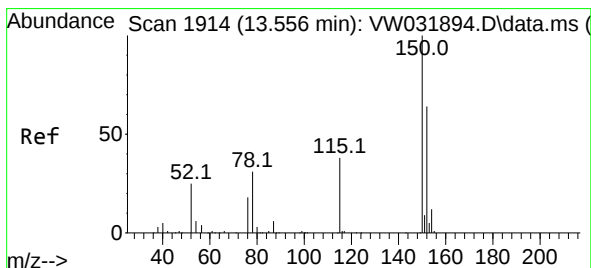
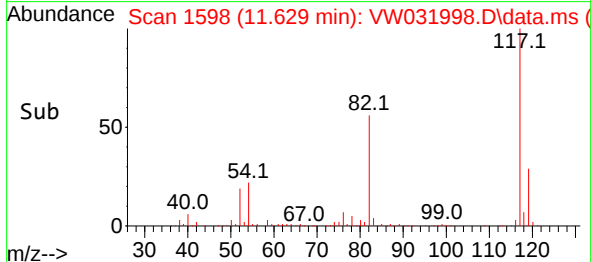
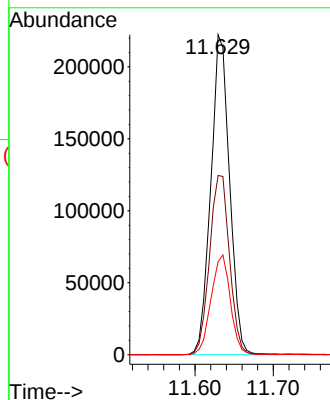
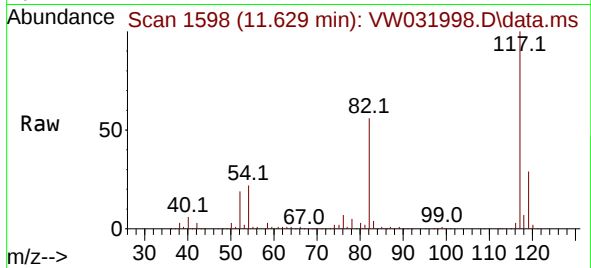




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.006 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

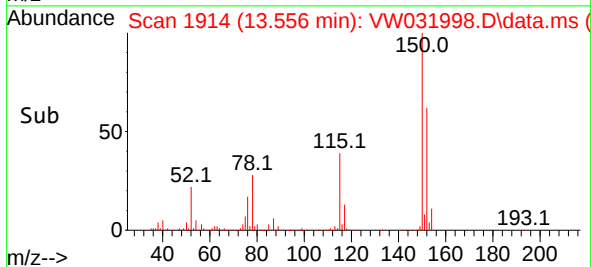
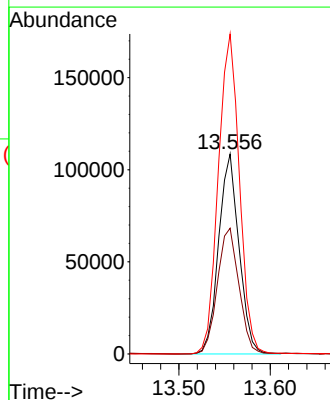
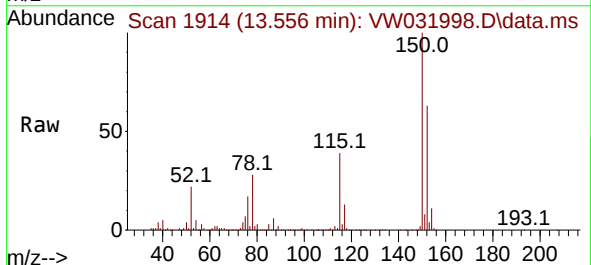
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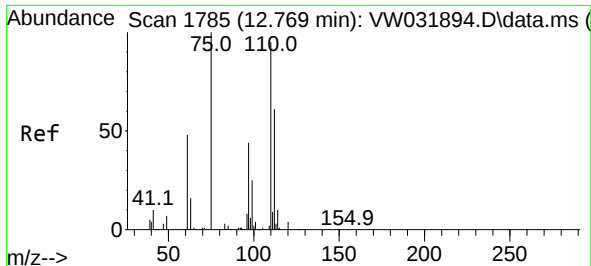
Tgt Ion:117 Resp: 370242
Ion Ratio Lower Upper
117 100
82 56.0 46.5 69.7
119 29.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion:152 Resp: 168478
Ion Ratio Lower Upper
152 100
115 66.6 33.4 100.1
150 165.8 0.0 352.2

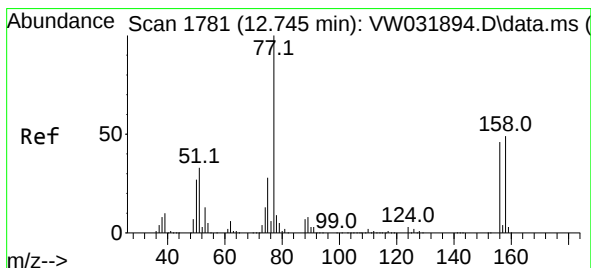
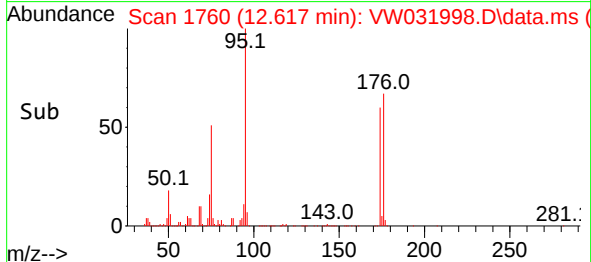
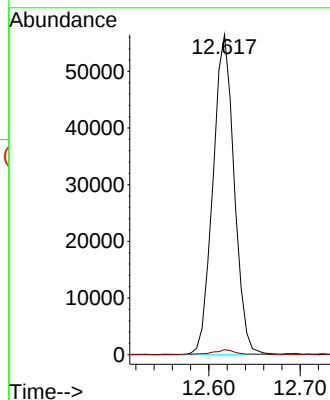
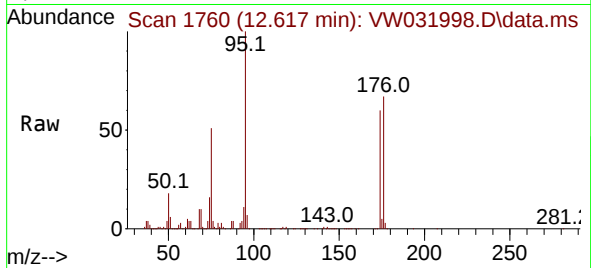




#76
1,2,3-Trichloropropane
Concen: 39.220 ug/l
RT: 12.617 min Scan# 1797
Delta R.T. -0.152 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

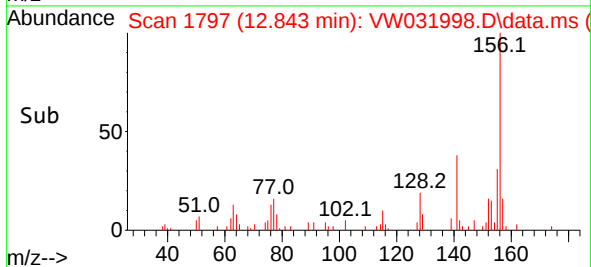
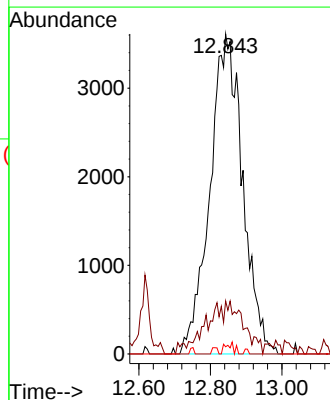
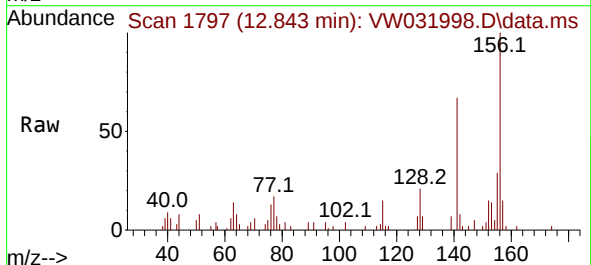
Instrument :
MSVOA_W
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WASTE

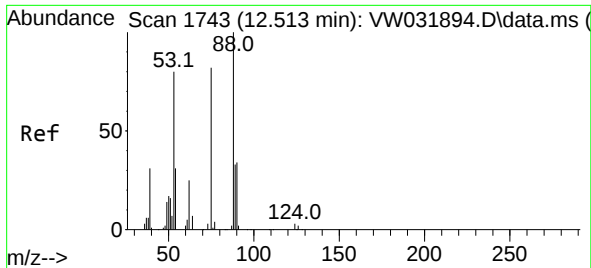
Tgt Ion: 75 Resp: 91230
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#77
Bromobenzene
Concen: 7.262 ug/l
RT: 12.843 min Scan# 1797
Delta R.T. 0.098 min
Lab File: VW031998.D
Acq: 04 Aug 2025 13:56

Tgt Ion: 156 Resp: 22970
Ion Ratio Lower Upper
156 100
77 1.5 115.3 345.8#
158 0.9 50.1 150.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.549 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031998.D
 Acq: 04 Aug 2025 13:56

Instrument :
 MSVOA_W
 ClientSampleId :
 WASTE

Tgt Ion: 75 Resp: 91230
 Ion Ratio Lower Upper
 75 100
 53 0.4 83.7 125.5#
 89 0.0 39.0 58.6#

