

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031844.D
 Acq On : 14 Jul 2025 12:45
 Operator : SY/MD
 Sample : Q2560-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LP-7102025-VOC

Quant Time: Jul 15 02:43:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

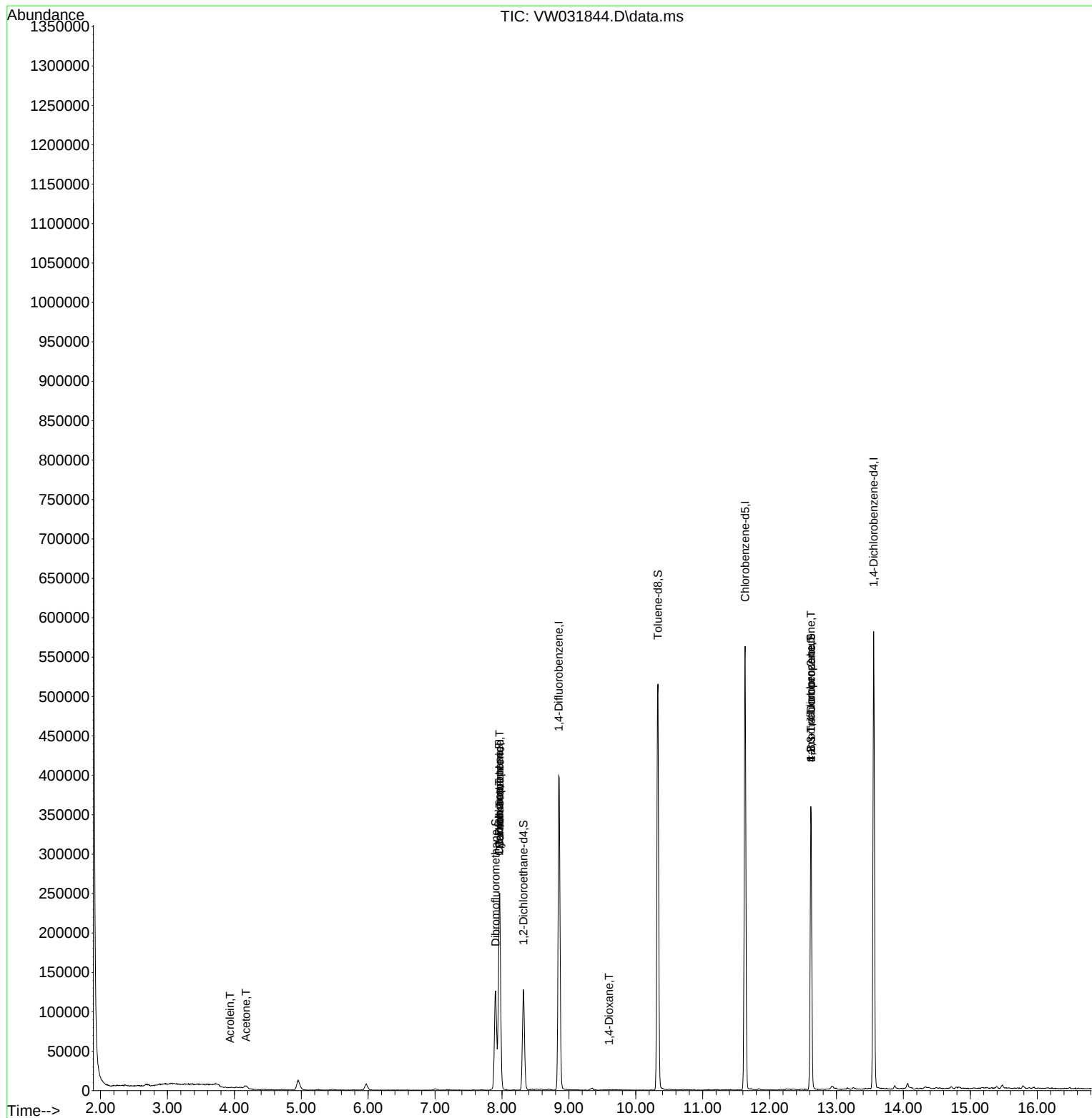
Internal Standards						
1) Pentafluorobenzene	7.965	168	172661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	336969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	309130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	145294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	105074	42.405	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	84.800%	
35) Dibromofluoromethane	7.904	113	94181	42.832	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	85.660%	
50) Toluene-d8	10.330	98	353799	43.237	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	86.480%	
62) 4-Bromofluorobenzene	12.617	95	131053	43.520	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	87.040%	
Target Compounds						
					Qvalue	
13) Acrolein	3.935	56	302	1.095	ug/l #	16
16) Acetone	4.173	43	4413	7.205	ug/l #	82
20) Methylene Chloride	4.959	84	9850	Below Cal		92
31) Cyclohexane	7.959	56	4907	1.391	ug/l #	3
36) 1,1-Dichloropropene	7.959	75	15597	4.902	ug/l #	50
38) Carbon Tetrachloride	7.965	117	19491	6.011	ug/l #	17
49) 1,4-Dioxane	9.599	88	20	1.163	ug/l #	13
76) 1,2,3-Trichloropropane	12.617	75	68674	36.575	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	68674	85.190	ug/l #	8

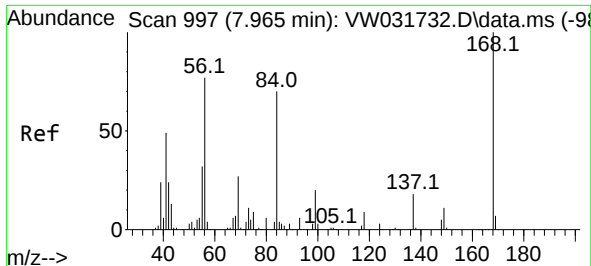
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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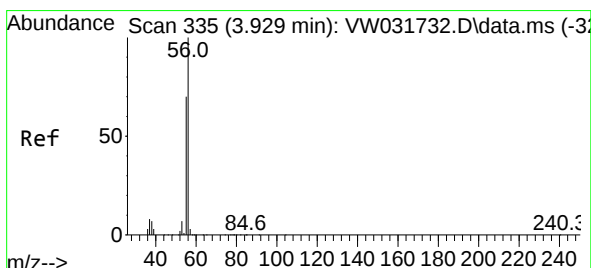
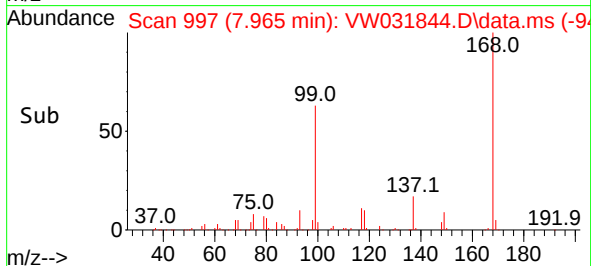
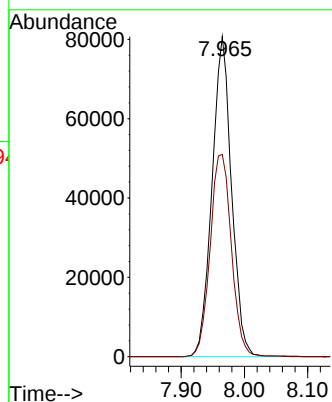
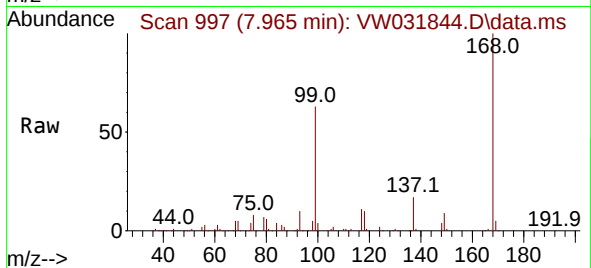




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.000 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

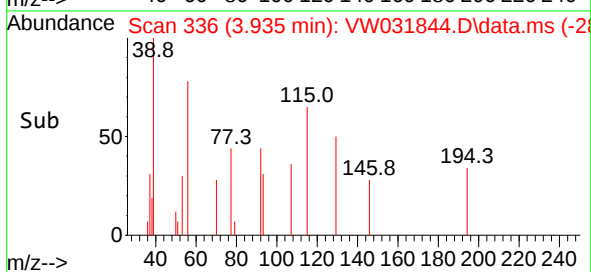
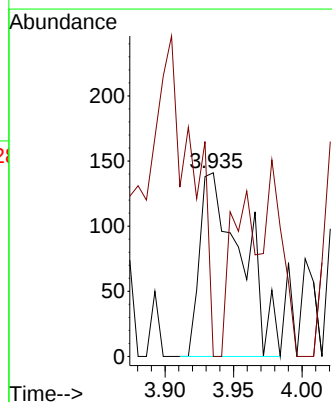
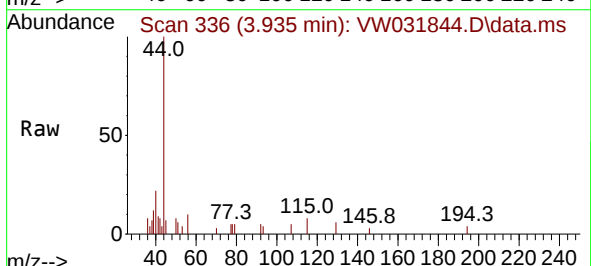
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MSVOA_W
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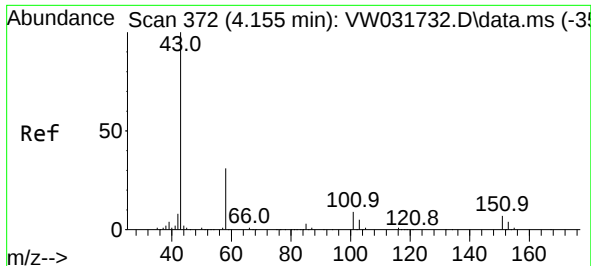
Tgt Ion:168 Resp: 172661
Ion Ratio Lower Upper
168 100
99 63.2 49.4 74.2



#13
Acrolein
Concen: 1.095 ug/l
RT: 3.935 min Scan# 336
Delta R.T. 0.006 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 0.0 54.0 81.0#

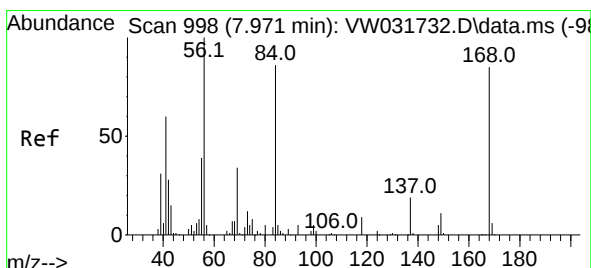
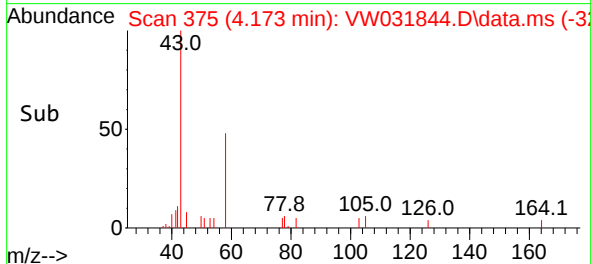
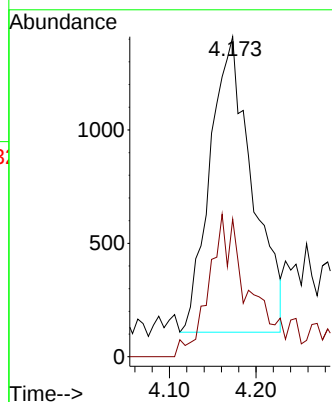
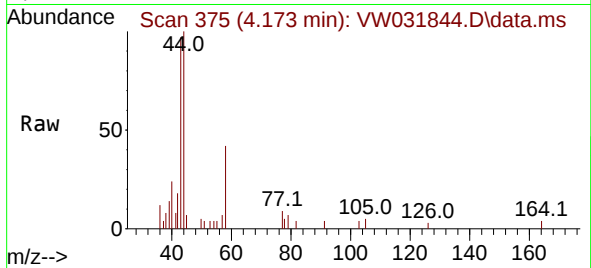




#16
Acetone
Concen: 7.205 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

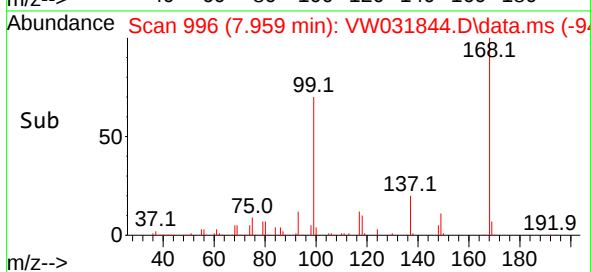
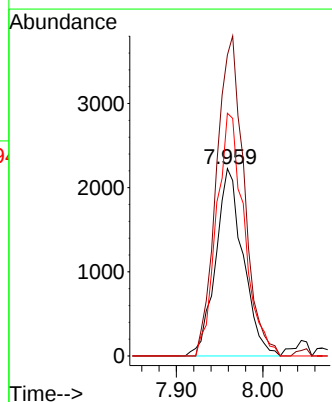
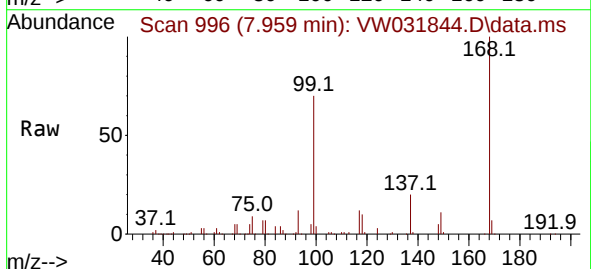
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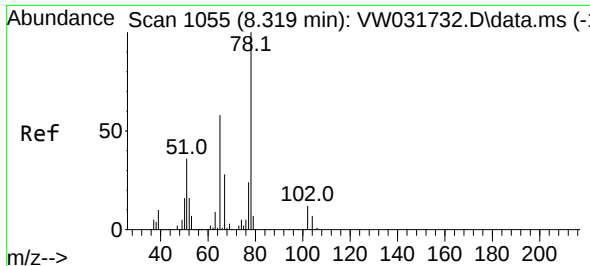
Tgt Ion: 43 Resp: 4413
Ion Ratio Lower Upper
43 100
58 40.8 24.8 37.2#



#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion: 56 Resp: 4907
Ion Ratio Lower Upper
56 100
69 160.6 27.2 40.8#
84 129.6 68.5 102.7#

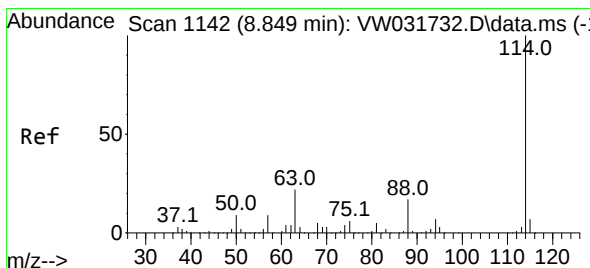
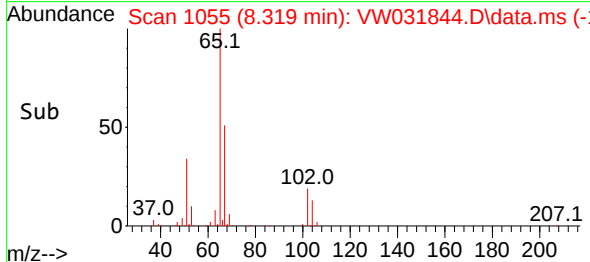
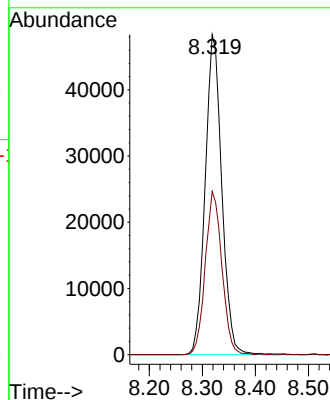
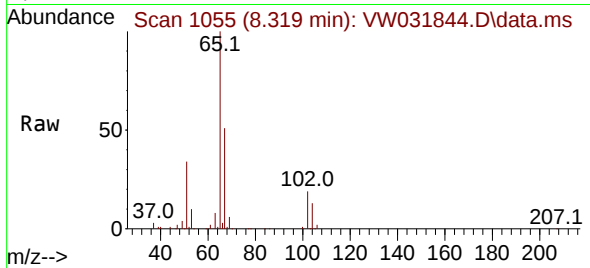




#33
 1,2-Dichloroethane-d4
 Concen: 42.405 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW031844.D
 Acq: 14 Jul 2025 12:45

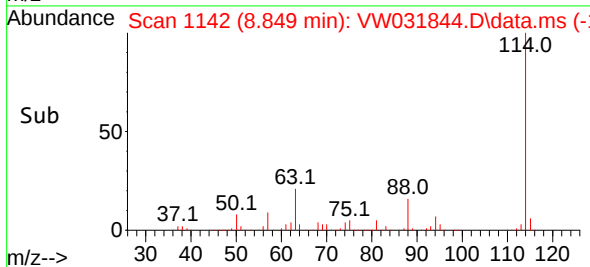
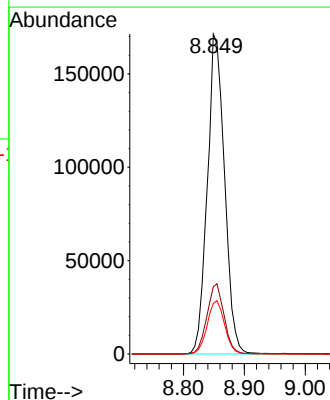
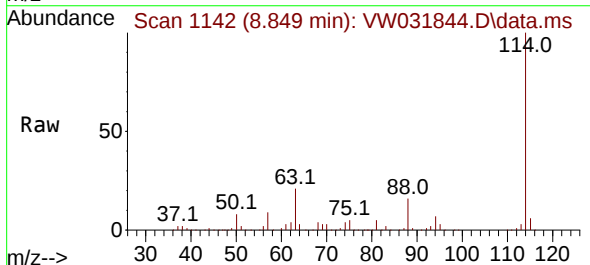
Instrument :
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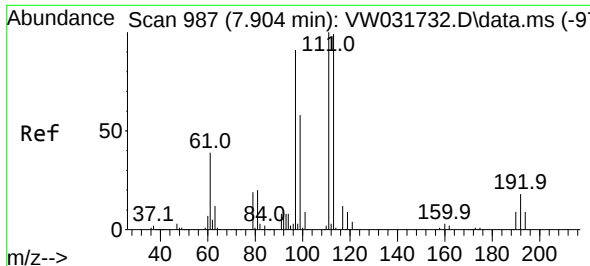
Tgt Ion: 65 Resp: 105074
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW031844.D
 Acq: 14 Jul 2025 12:45

Tgt Ion: 114 Resp: 336969
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.6
 88 15.8 0.0 34.2

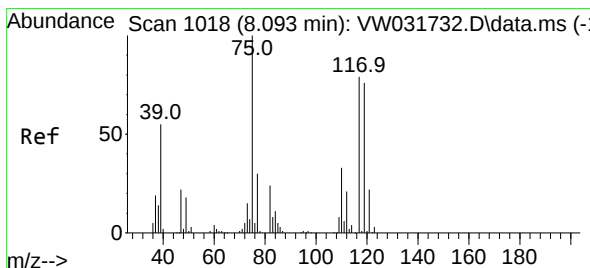
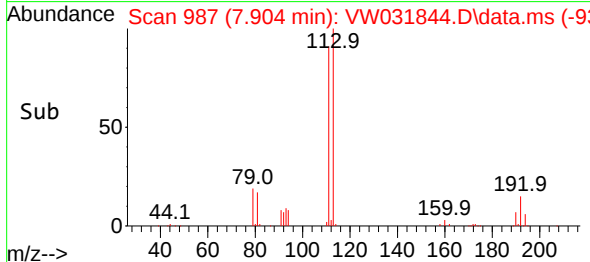
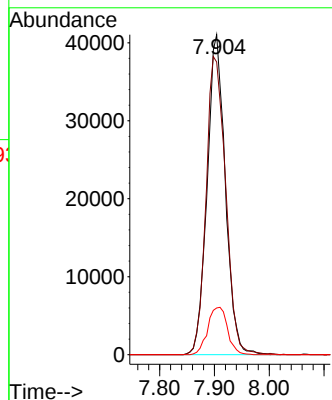
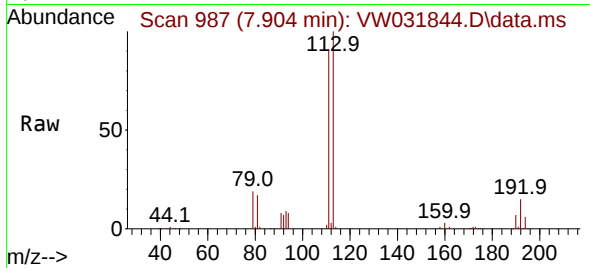




#35
 Dibromofluoromethane
 Concen: 42.832 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW031844.D
 Acq: 14 Jul 2025 12:45

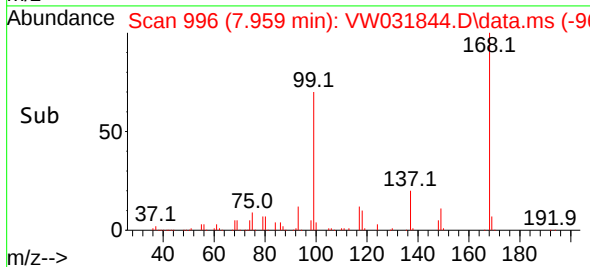
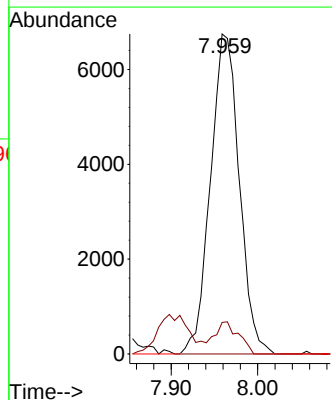
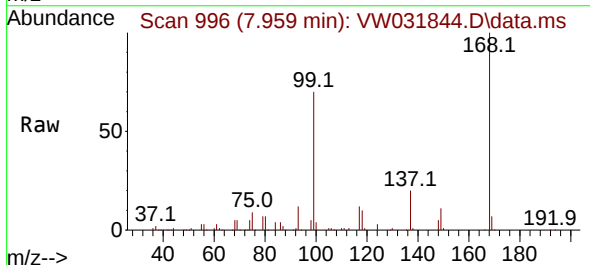
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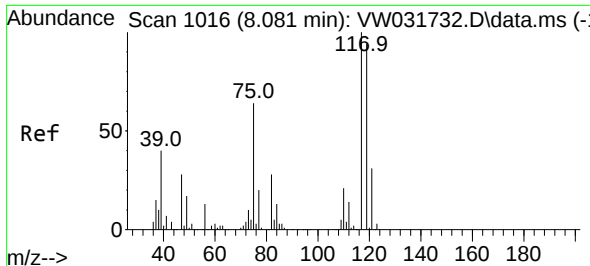
Tgt Ion:113 Resp: 94181
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.1 123.1
 192 16.1 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031844.D
 Acq: 14 Jul 2025 12:45

Tgt Ion: 75 Resp: 15597
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.8 50.4#
 77 0.0 25.0 37.6#

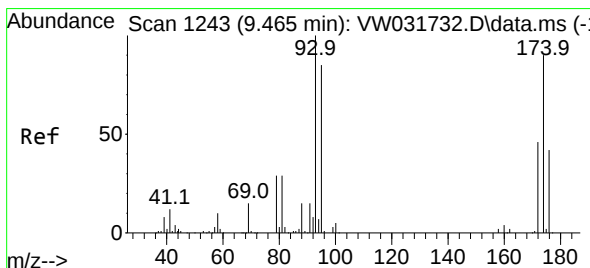
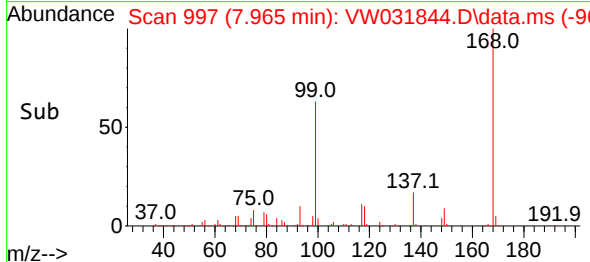
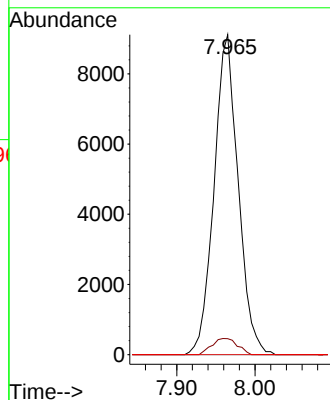
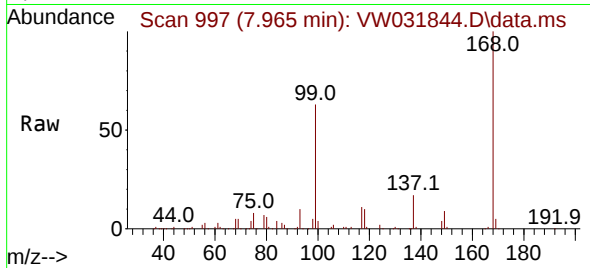




#38
Carbon Tetrachloride
Concen: 6.011 ug/l
RT: 7.965 min Scan# 91
Delta R.T. -0.116 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

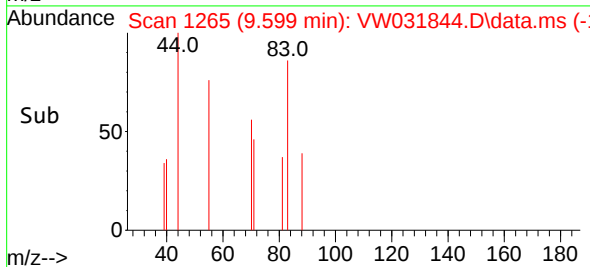
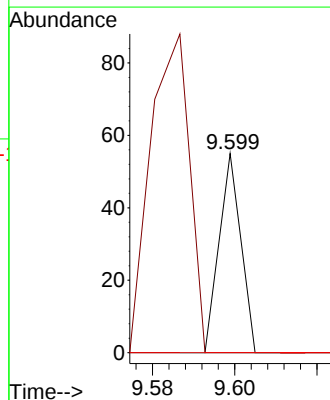
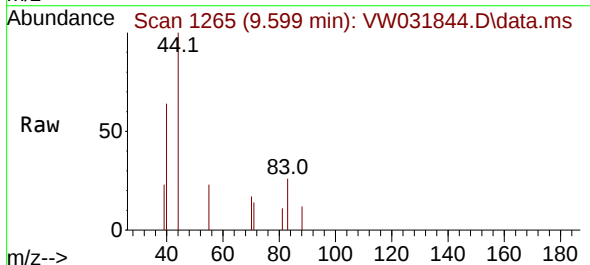
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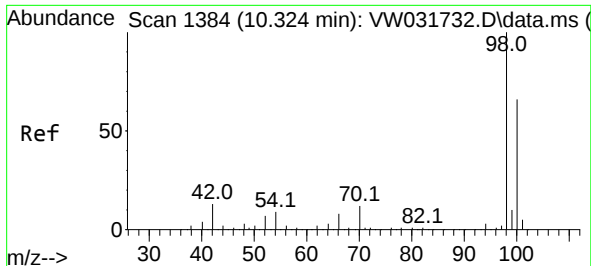
Tgt Ion:117 Resp: 19491
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.6#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.163 ug/l
RT: 9.599 min Scan# 1265
Delta R.T. 0.134 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 290.0 0.0 0.0#
58 0.0 58.3 87.5#

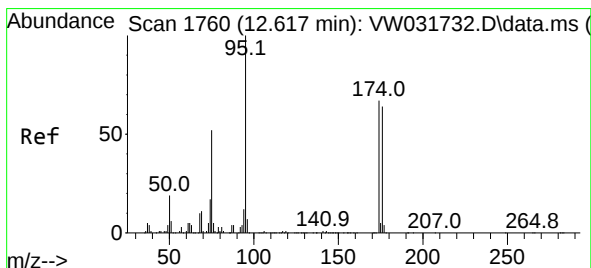
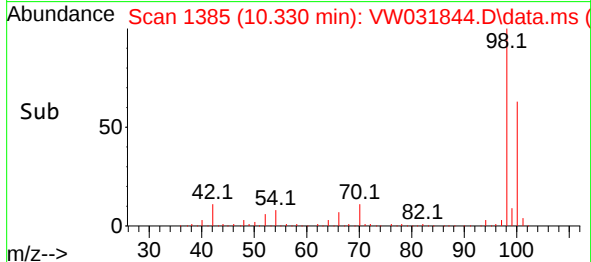
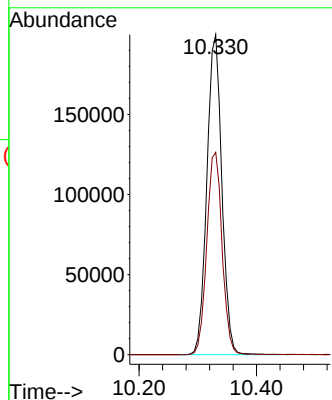
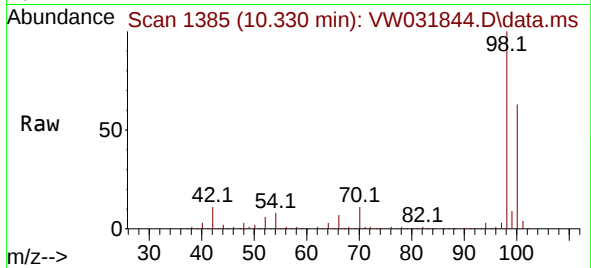




#50
Toluene-d8
Concen: 43.237 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

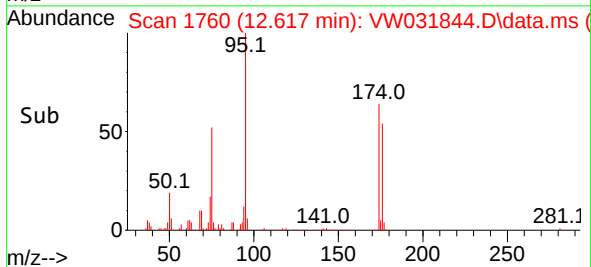
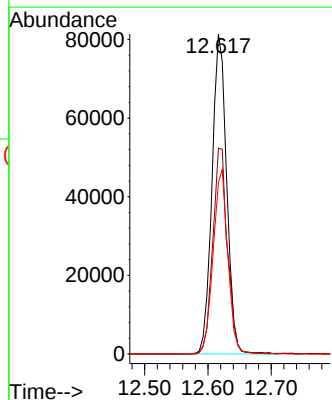
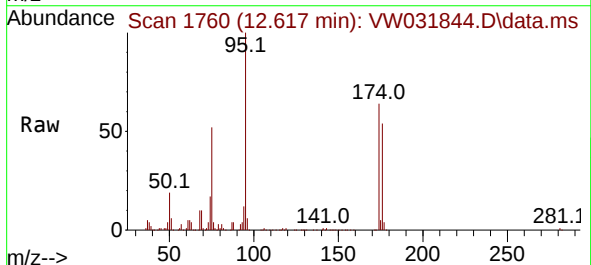
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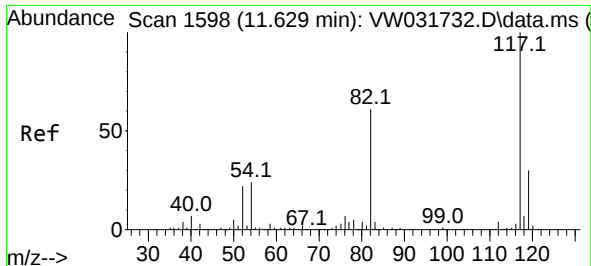
Tgt Ion: 98 Resp: 353799
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.520 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion: 95 Resp: 131053
Ion Ratio Lower Upper
95 100
174 64.9 0.0 133.8
176 57.7 0.0 126.0

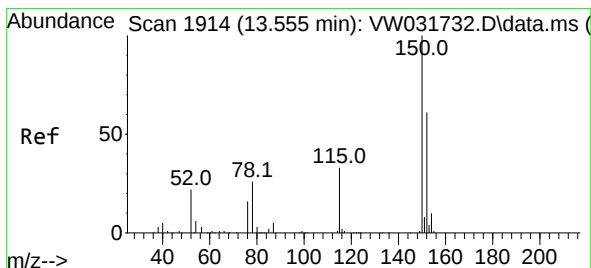
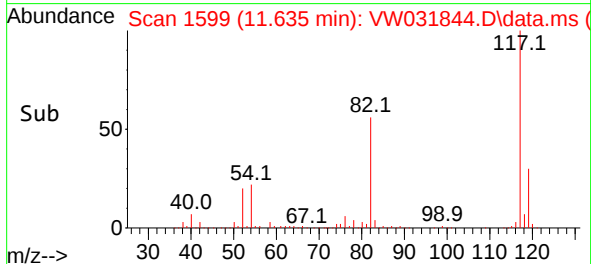
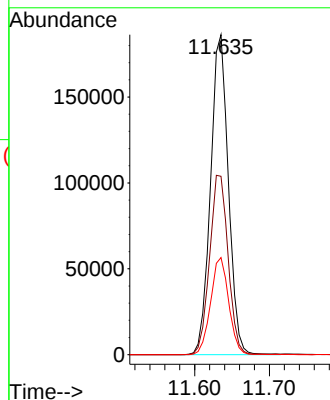
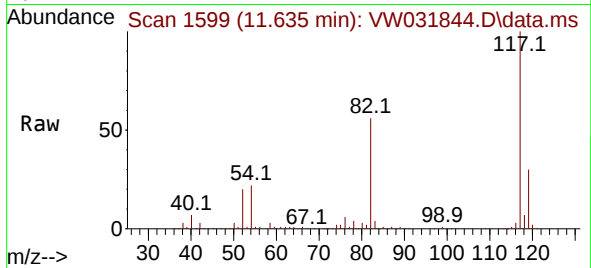




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 117
Delta R.T. 0.006 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

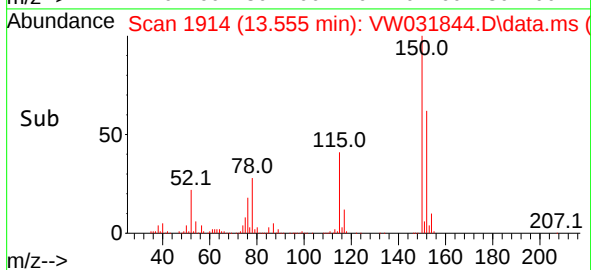
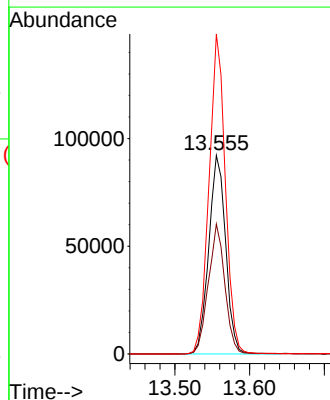
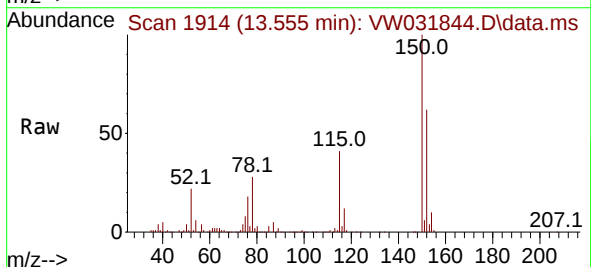
Instrument :
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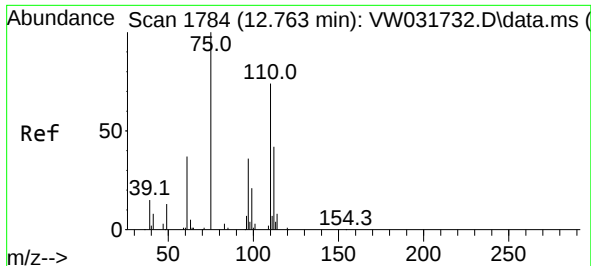
Tgt Ion:117 Resp: 309130
Ion Ratio Lower Upper
117 100
82 55.7 48.6 72.8
119 30.3 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion:152 Resp: 145294
Ion Ratio Lower Upper
152 100
115 63.8 31.9 95.7
150 155.2 0.0 356.4

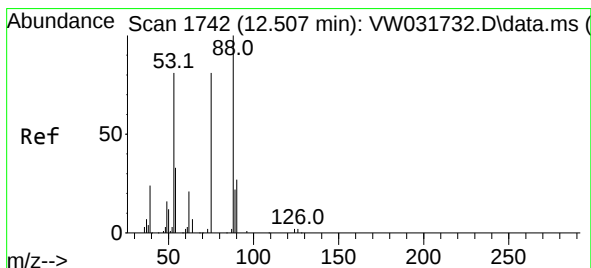
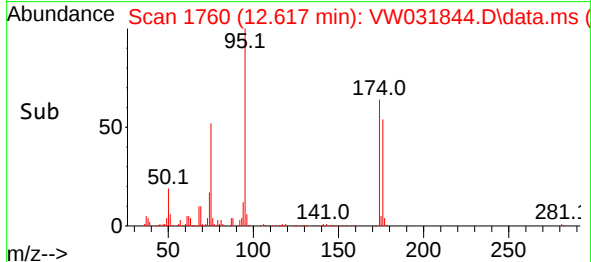
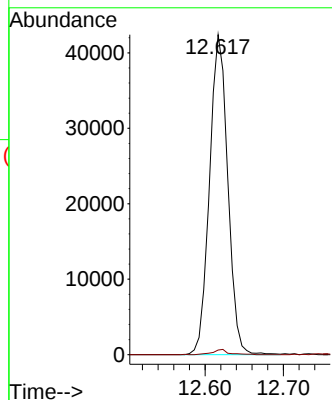
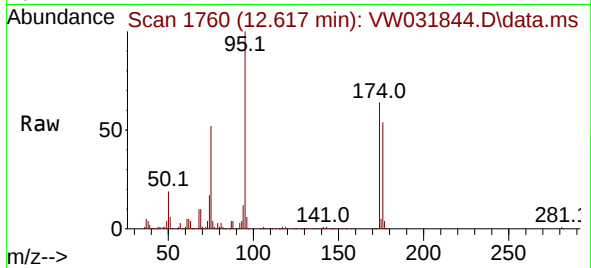




#76
1,2,3-Trichloropropane
Concen: 36.575 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Instrument :
MSVOA_W
ClientSampleId :
LP-7102025-VOC

Tgt Ion: 75 Resp: 68674
Ion Ratio Lower Upper
75 100
77 1.4 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.190 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion: 75 Resp: 68674
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.3 57.5#

