

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031812.D
 Acq On : 10 Jul 2025 18:32
 Operator : SY/MD
 Sample : Q2543-04
 Misc : 5.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-23-99

Quant Time: Jul 11 02:25:37 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)

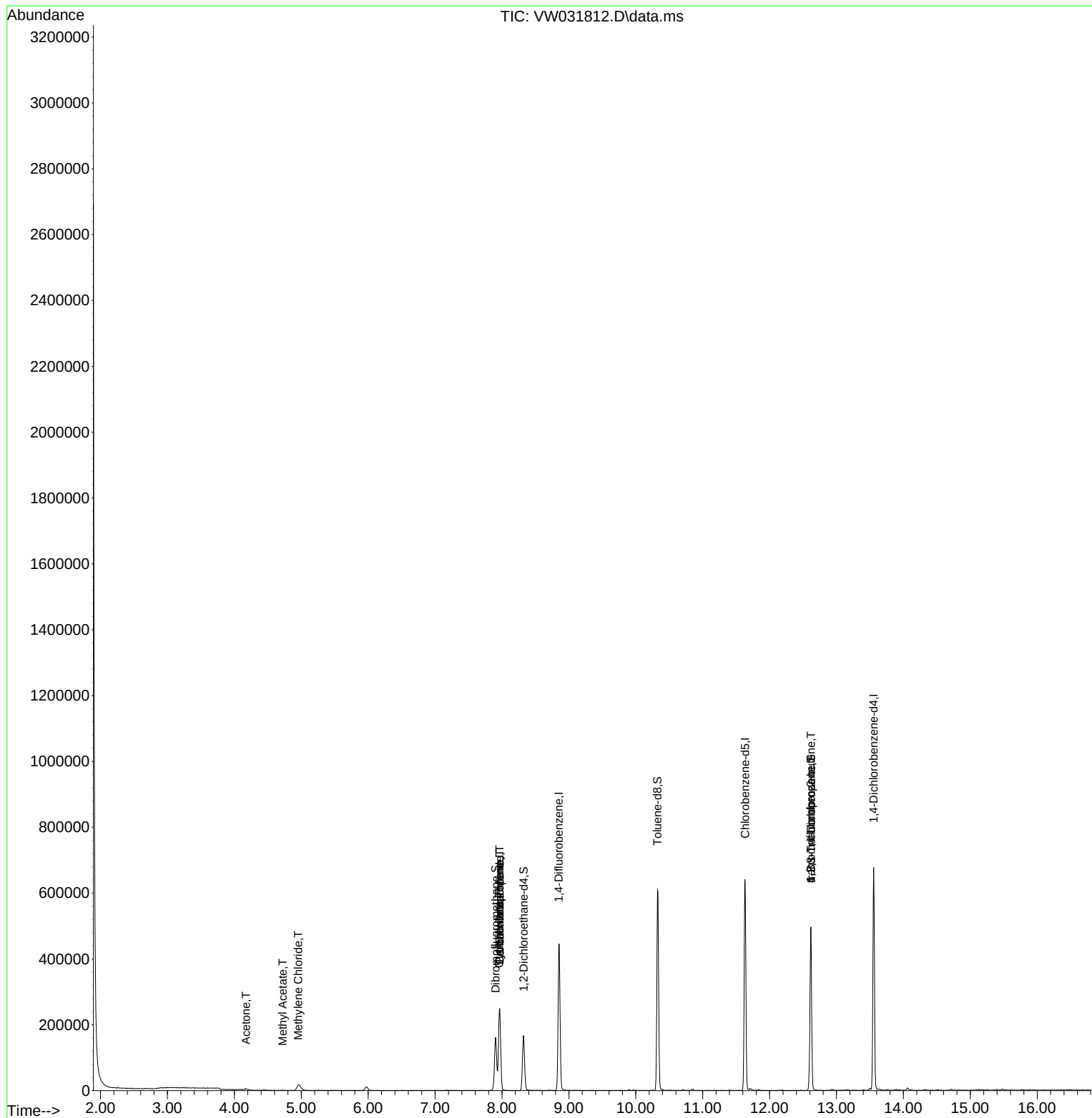
Internal Standards						
1) Pentafluorobenzene	7.965	168	171007	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	374934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	354079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	136923	55.793	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	111.580%	
35) Dibromofluoromethane	7.904	113	115271	47.115	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	94.220%	
50) Toluene-d8	10.325	98	413022	45.363	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	90.720%	
62) 4-Bromofluorobenzene	12.617	95	165451	49.380	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	98.760%	
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	4103	6.764	ug/l	95
18) Methyl Acetate	4.722	43	1901	1.097	ug/l #	75
20) Methylene Chloride	4.954	84	15555	2.228	ug/l	95
31) Cyclohexane	7.959	56	4885	1.398	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	16143	4.560	ug/l #	50
38) Carbon Tetrachloride	7.965	117	19473	5.398	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	87587	40.442	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	87587	94.196	ug/l #	8

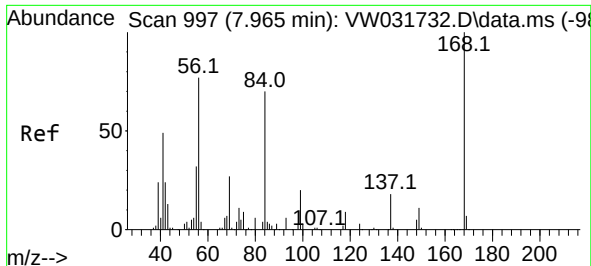
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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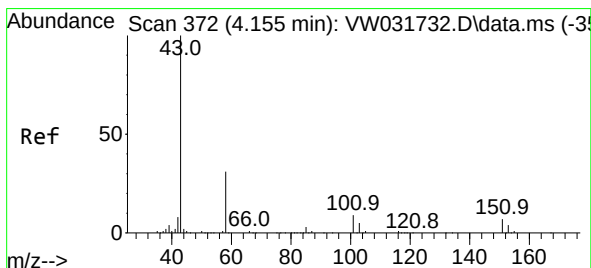
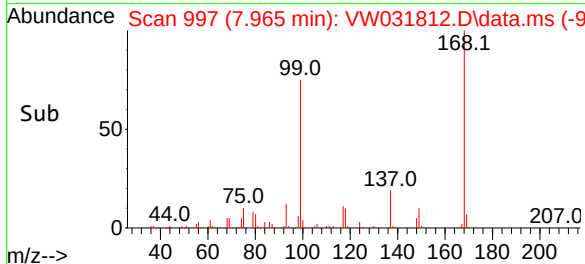
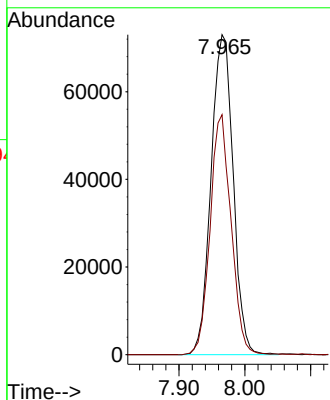
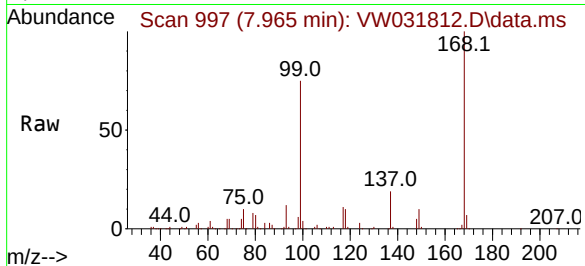




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

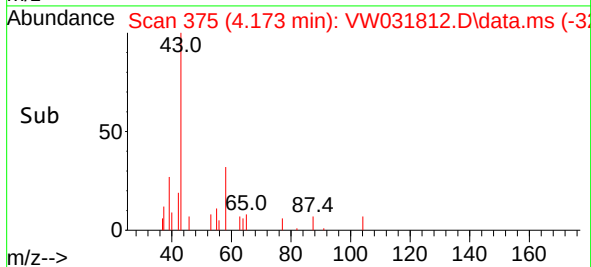
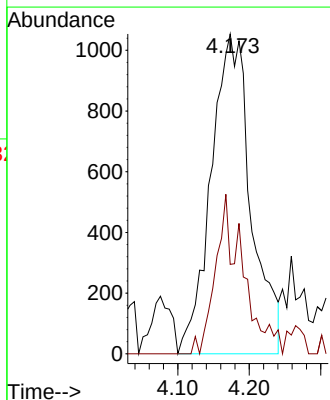
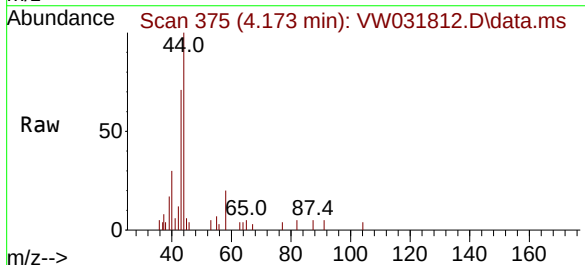
Instrument :
MSVOA_W
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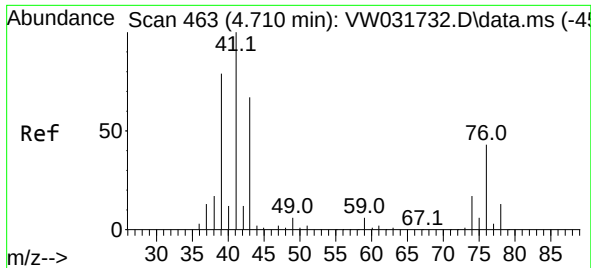
Tgt Ion:168 Resp: 171007
Ion Ratio Lower Upper
168 100
99 75.0 49.4 74.2#



#16
Acetone
Concen: 6.764 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Tgt Ion: 43 Resp: 4103
Ion Ratio Lower Upper
43 100
58 28.0 24.8 37.2

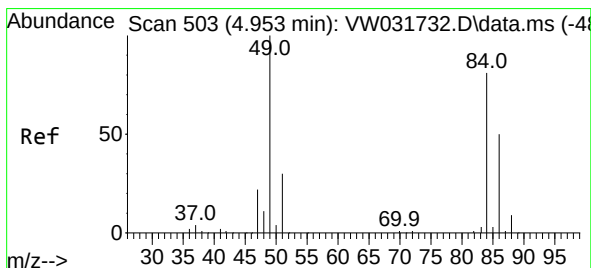
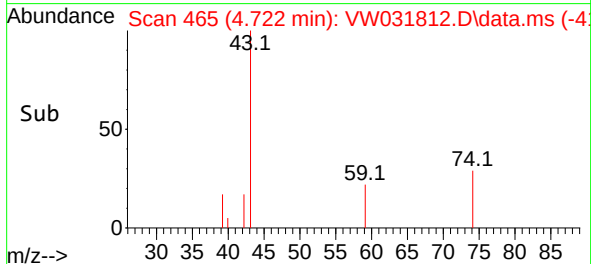
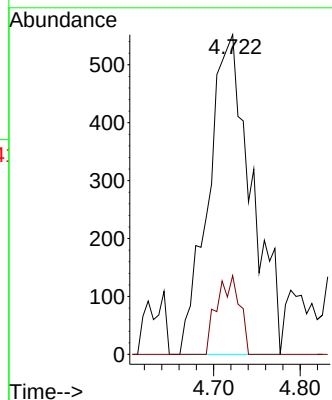
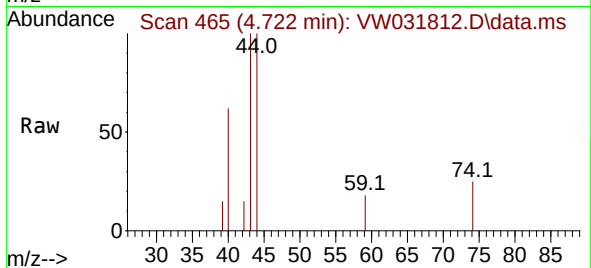




#18
Methyl Acetate
Concen: 1.097 ug/l
RT: 4.722 min Scan# 4
Delta R.T. 0.012 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

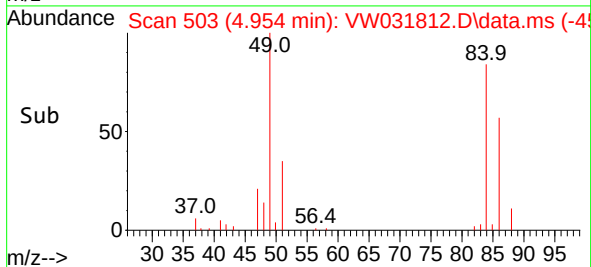
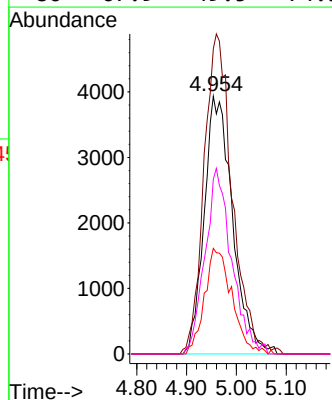
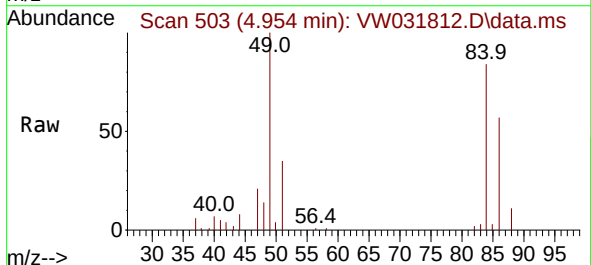
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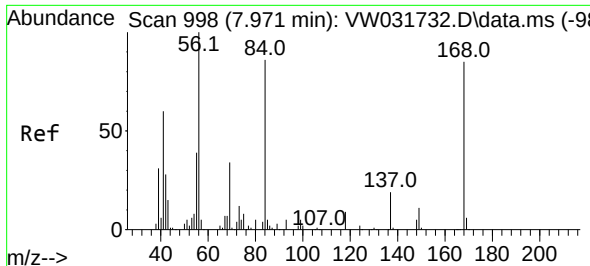
Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
74 13.1 20.6 30.8#



#20
Methylene Chloride
Concen: 2.228 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Tgt Ion: 84 Resp: 15555
Ion Ratio Lower Upper
84 100
49 118.4 98.2 147.4
51 41.0 29.8 44.8
86 67.9 49.5 74.3

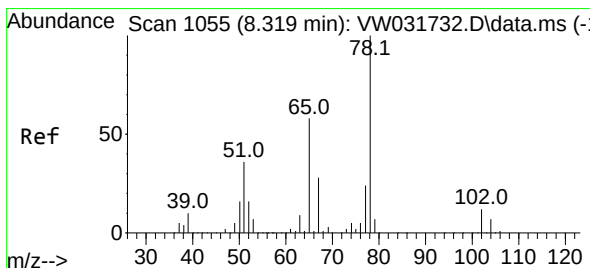
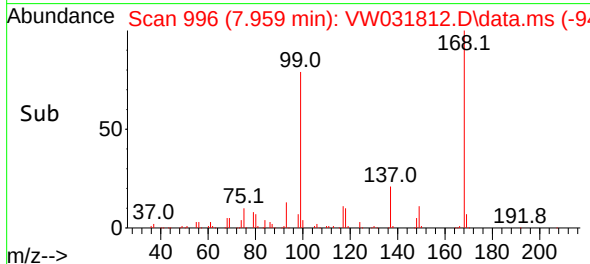
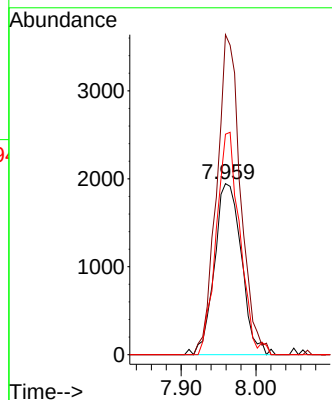
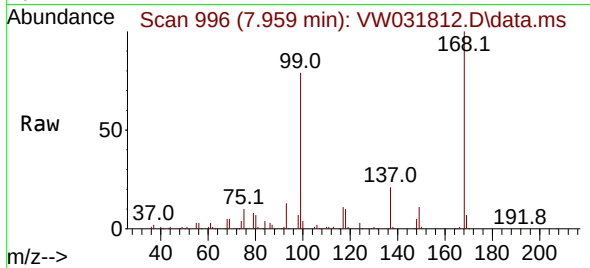




#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

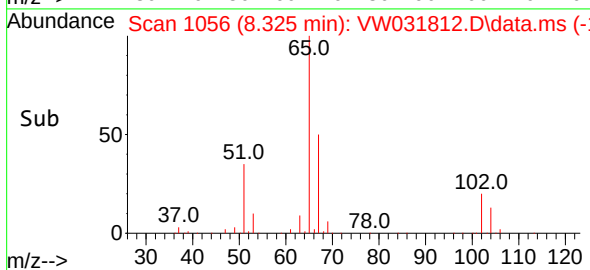
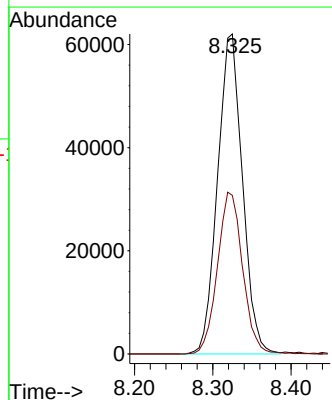
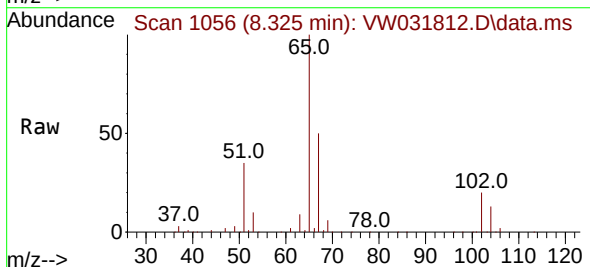
Instrument :
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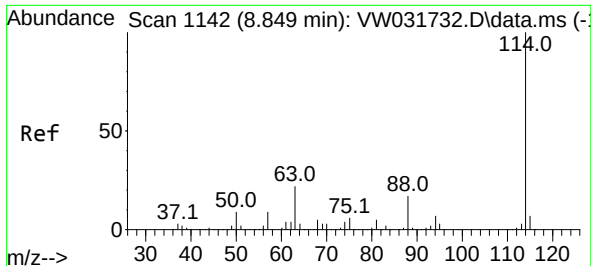
Tgt Ion: 56 Resp: 4885
Ion Ratio Lower Upper
56 100
69 187.0 27.2 40.8#
84 128.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 55.793 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Tgt Ion: 65 Resp: 136923
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.4

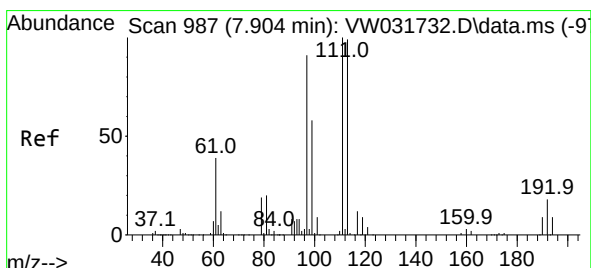
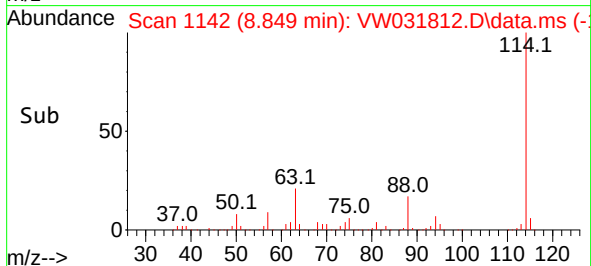
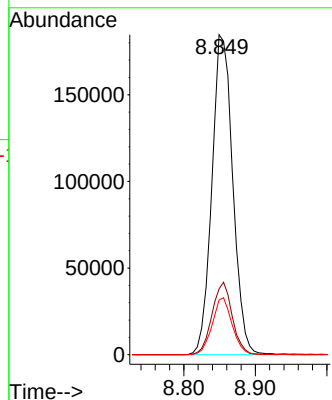
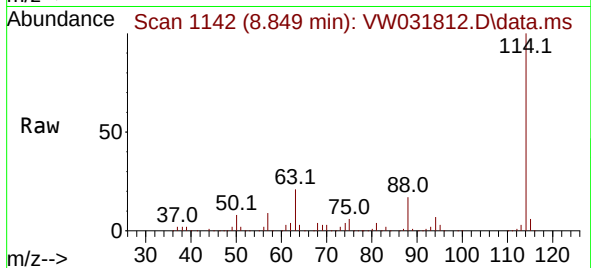




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

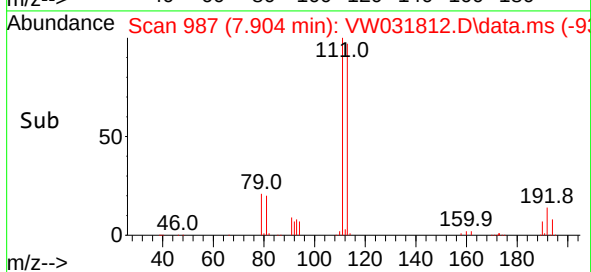
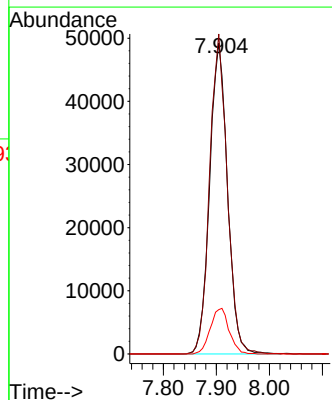
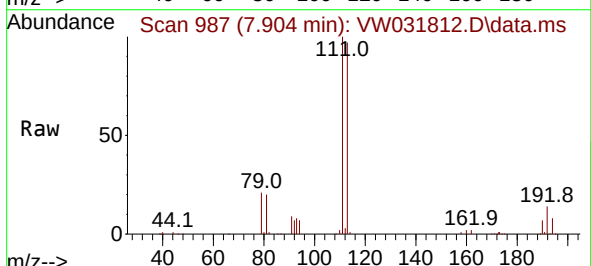
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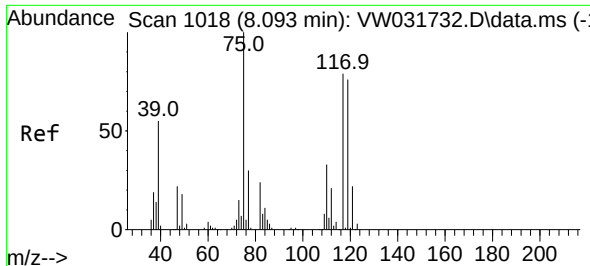
Tgt Ion:114 Resp: 374934
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.6
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.115 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Tgt Ion:113 Resp: 115271
Ion Ratio Lower Upper
113 100
111 101.0 82.1 123.1
192 15.4 13.8 20.6

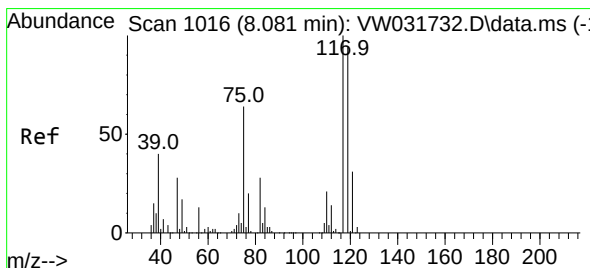
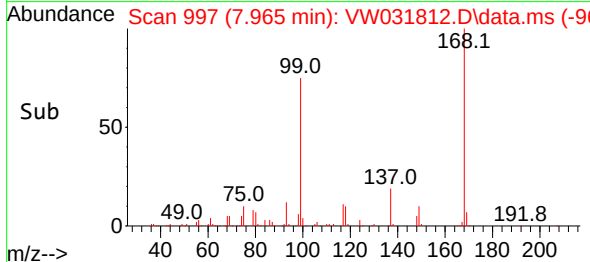
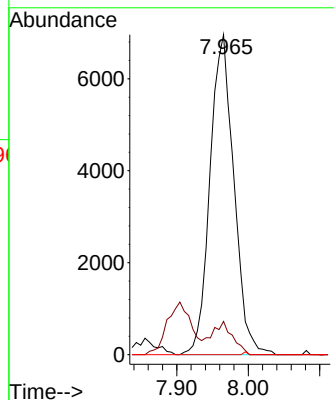
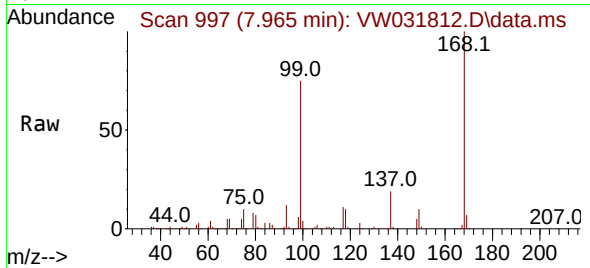




#36
 1,1-Dichloropropene
 Concen: 4.560 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031812.D
 Acq: 10 Jul 2025 18:32

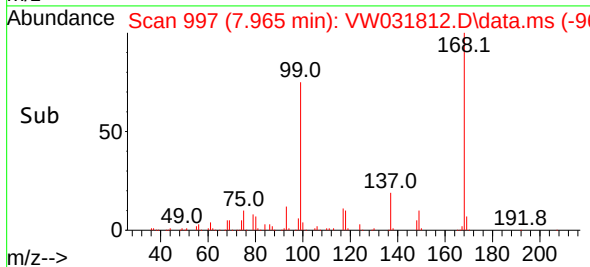
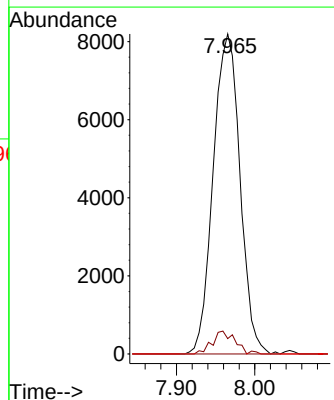
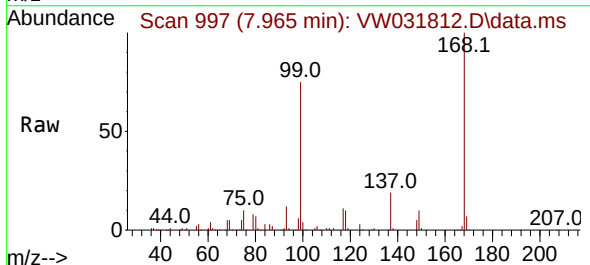
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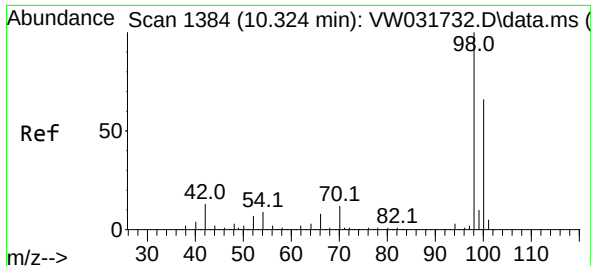
Tgt Ion: 75 Resp: 16143
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.398 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW031812.D
 Acq: 10 Jul 2025 18:32

Tgt Ion: 117 Resp: 19473
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.0 112.6#
 121 0.0 24.6 37.0#

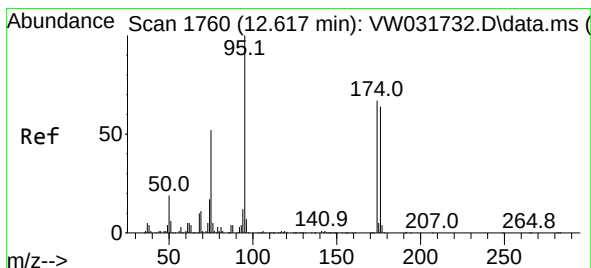
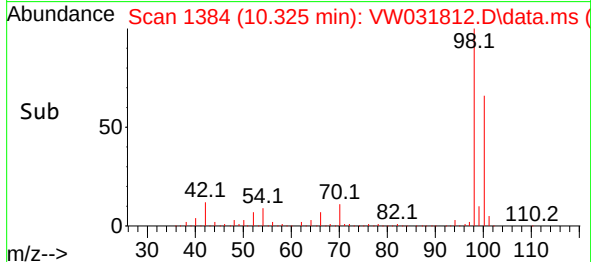
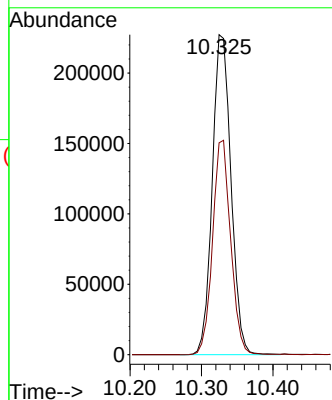
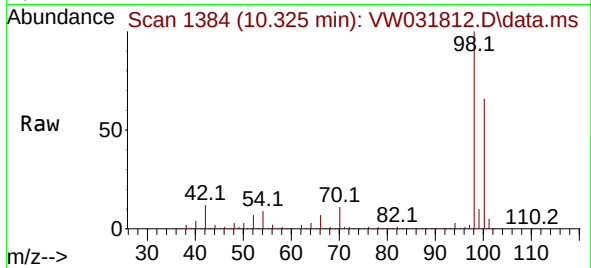




#50
Toluene-d8
Concen: 45.363 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

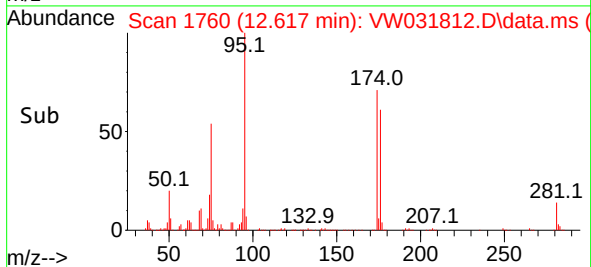
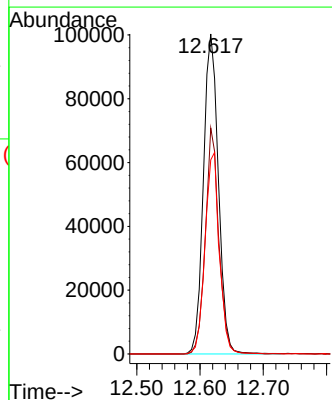
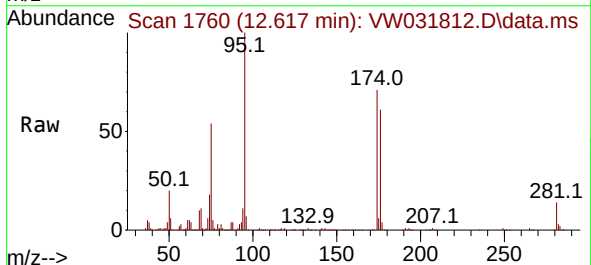
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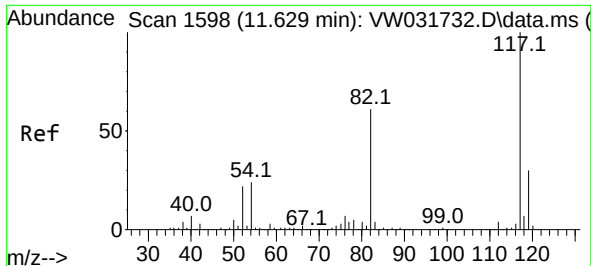
Tgt Ion: 98 Resp: 413022
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.380 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

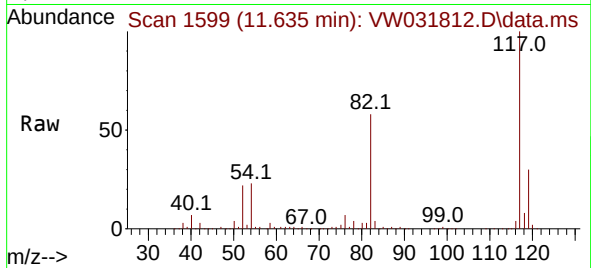
Tgt Ion: 95 Resp: 165451
Ion Ratio Lower Upper
95 100
174 63.9 0.0 133.8
176 60.2 0.0 126.0



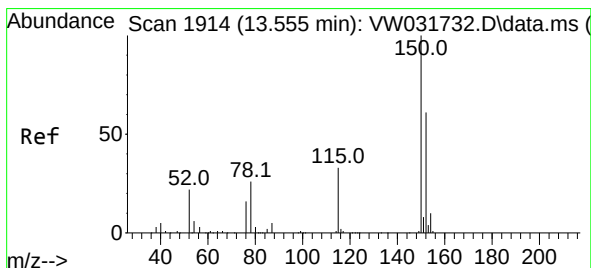
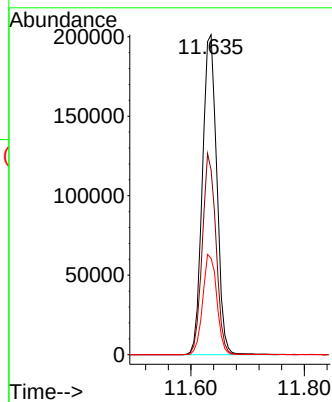
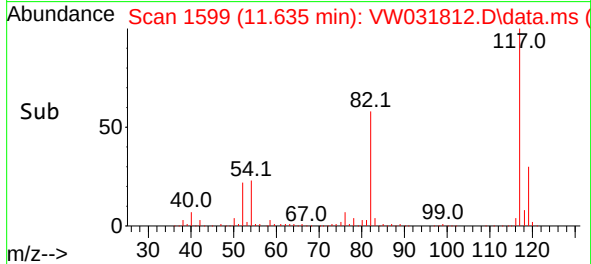


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Instrument :
MSVOA_W
ClientSampleId :
TP-23-99

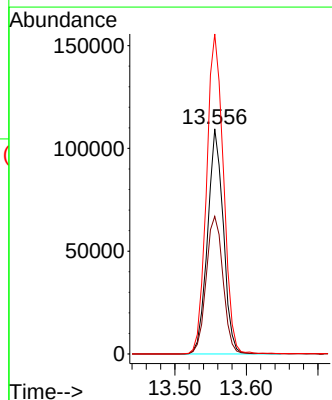
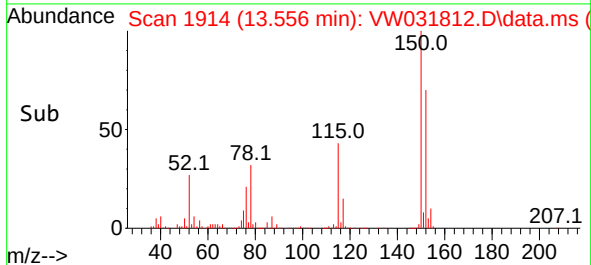
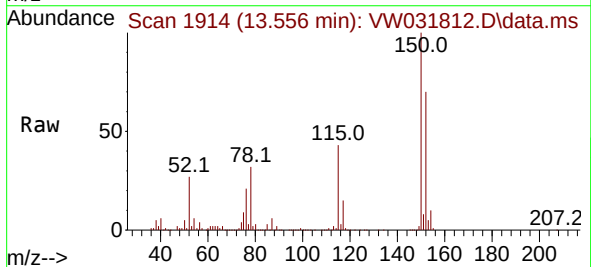


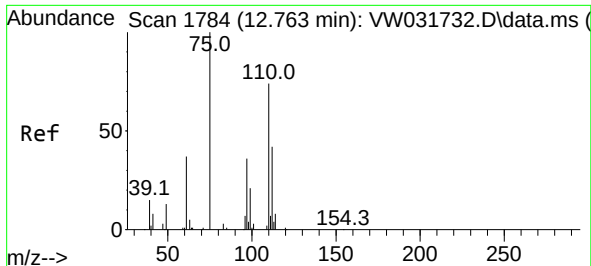
Tgt Ion:117 Resp: 354079
Ion Ratio Lower Upper
117 100
82 57.7 48.6 72.8
119 30.1 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Tgt Ion:152 Resp: 167590
Ion Ratio Lower Upper
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115 65.2 31.9 95.7
150 152.8 0.0 356.4

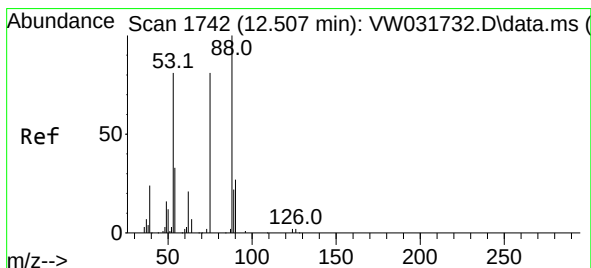
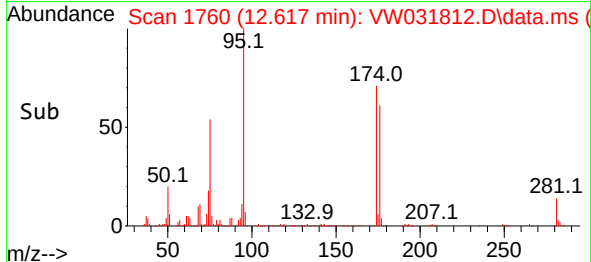
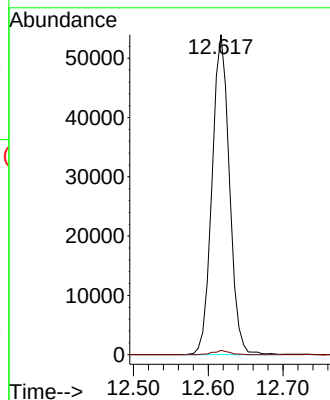
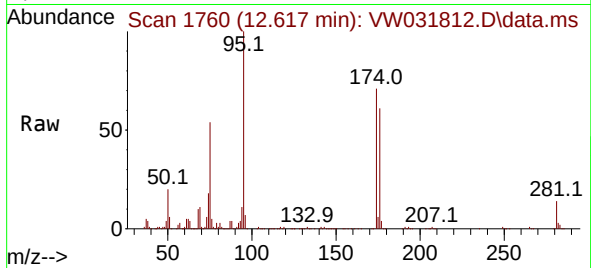




#76
1,2,3-Trichloropropane
Concen: 40.442 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Instrument :
MSVOA_W
ClientSampleId :
TP-23-99

Tgt Ion: 75 Resp: 87587
Ion Ratio Lower Upper
75 100
77 1.2 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.196 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031812.D
Acq: 10 Jul 2025 18:32

Tgt Ion: 75 Resp: 87587
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.5 38.3 57.5#

