

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031811.D
 Acq On : 10 Jul 2025 18:10
 Operator : SY/MD
 Sample : Q2543-03
 Misc : 6.54g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-23

Quant Time: Jul 11 02:25:14 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)

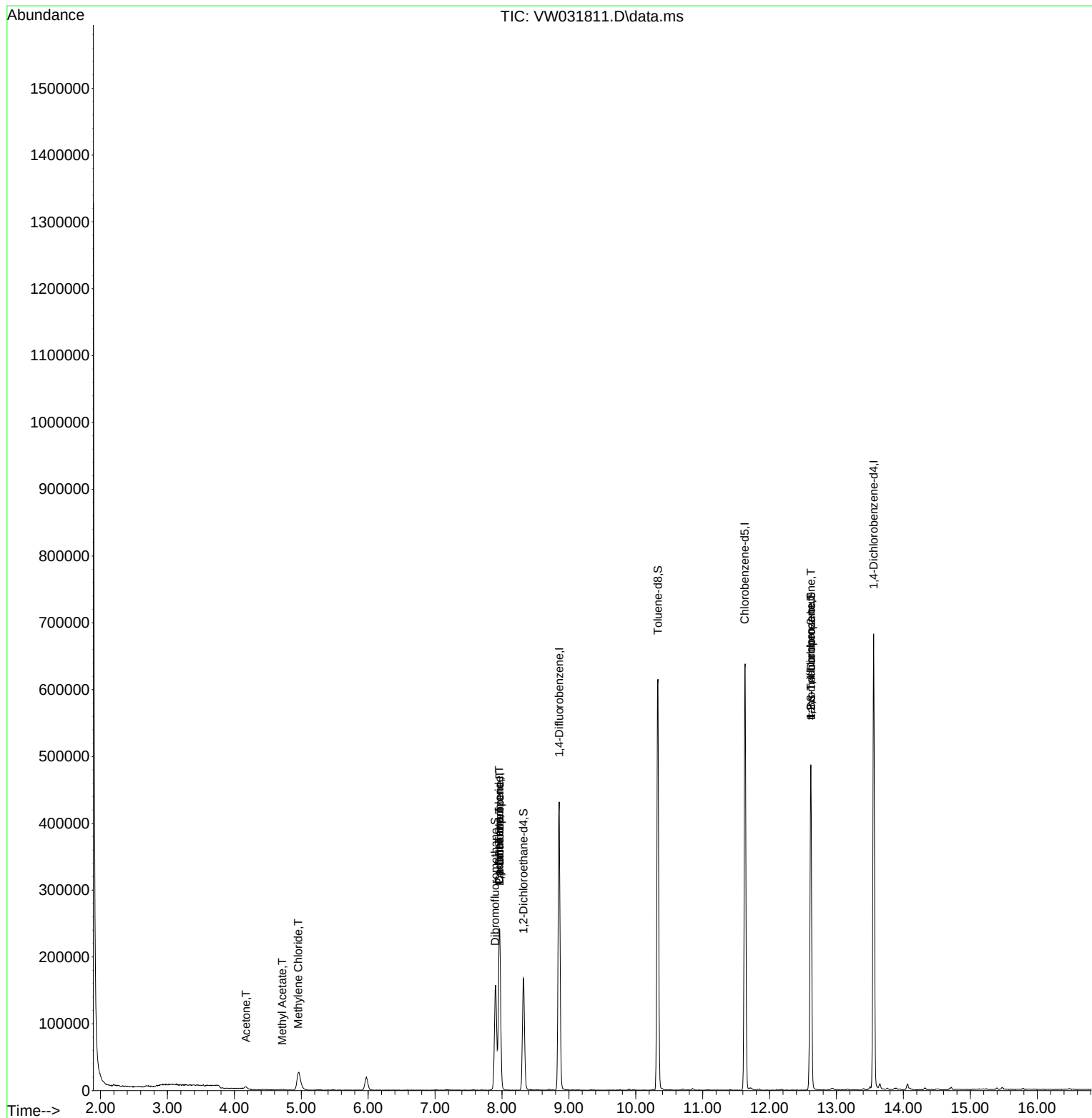
Internal Standards						
1) Pentafluorobenzene	7.965	168	167231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	355443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	140332	58.473	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.940%		
35) Dibromofluoromethane	7.898	113	116915	50.407	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 100.820%		
50) Toluene-d8	10.331	98	413106	47.860	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.720%		
62) 4-Bromofluorobenzene	12.617	95	165113	51.981	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 103.960%		
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	4552	7.674	ug/l #	88
18) Methyl Acetate	4.716	43	2163	1.276	ug/l	100
20) Methylene Chloride	4.954	84	24692	6.507	ug/l	99
31) Cyclohexane	7.959	56	4489	1.314	ug/l #	3
36) 1,1-Dichloropropene	7.965	75	15751	4.693	ug/l #	51
38) Carbon Tetrachloride	7.959	117	19546	5.715	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	88178	41.128	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	88178	95.793	ug/l #	8

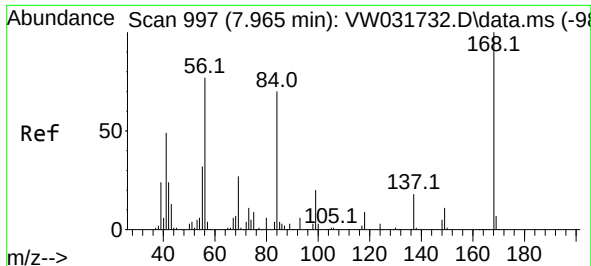
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 02:25:14 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

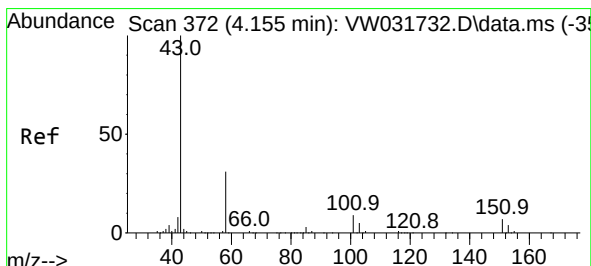
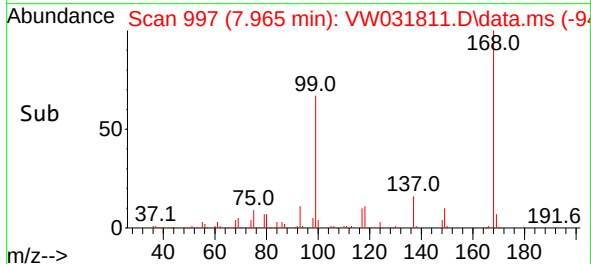
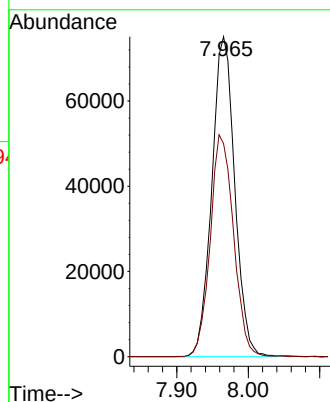
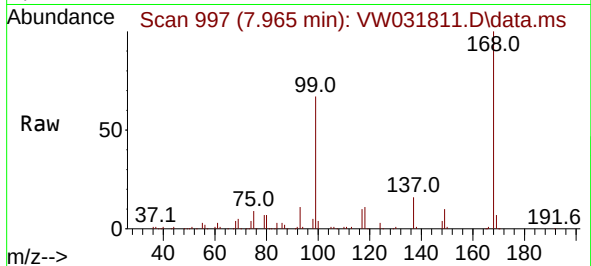




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

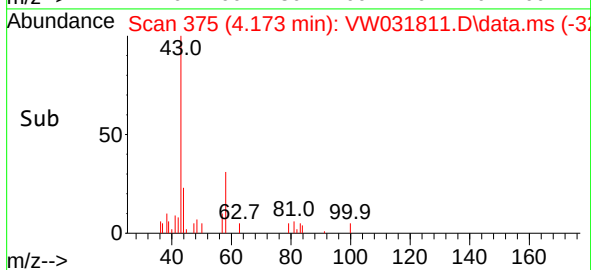
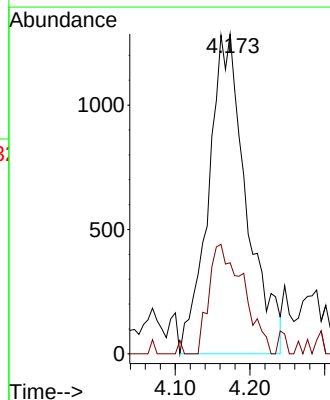
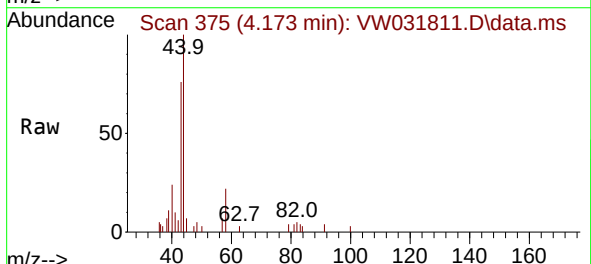
Instrument :
MSVOA_W
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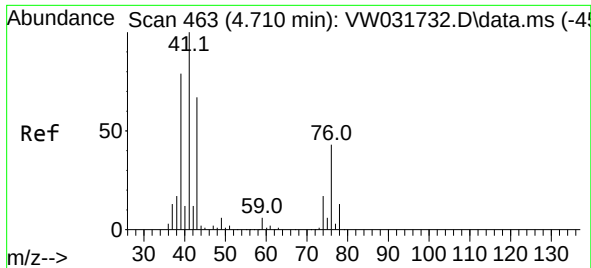
Tgt Ion:168 Resp: 167231
Ion Ratio Lower Upper
168 100
99 66.5 49.4 74.2



#16
Acetone
Concen: 7.674 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Tgt Ion: 43 Resp: 4552
Ion Ratio Lower Upper
43 100
58 24.3 24.8 37.2#

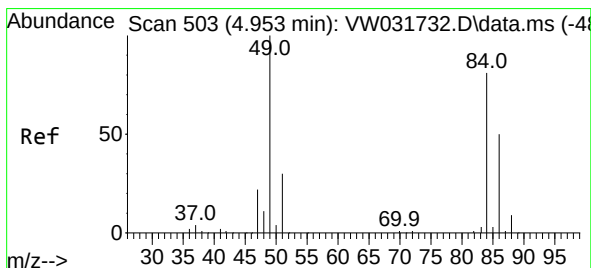
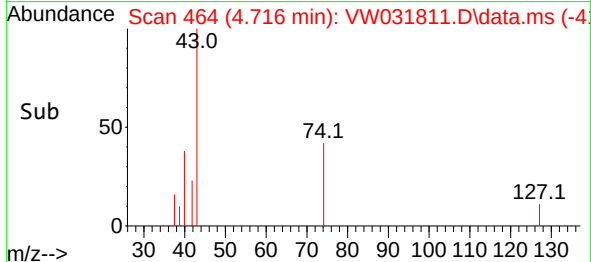
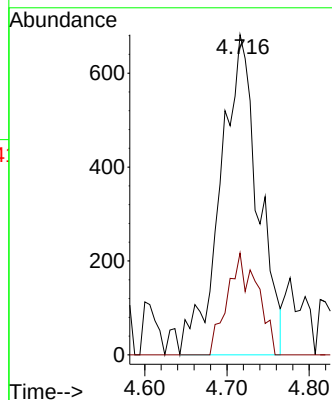
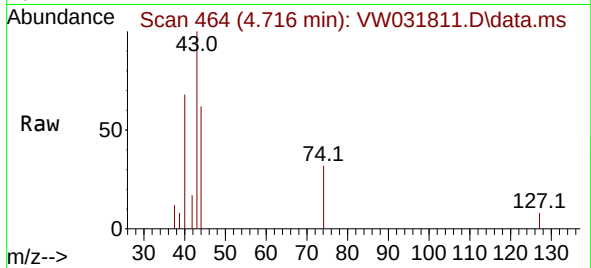




#18
Methyl Acetate
Concen: 1.276 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

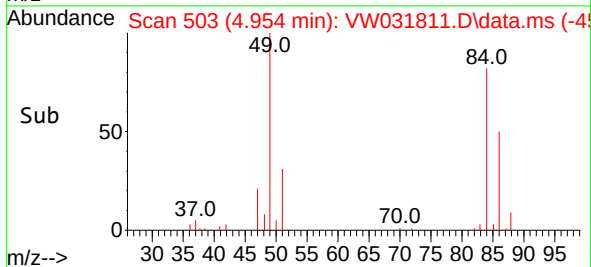
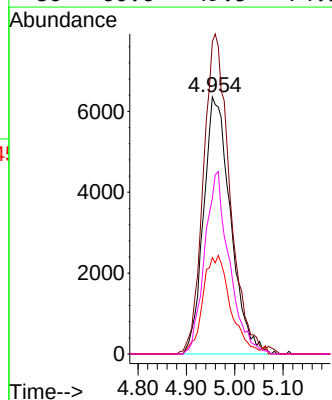
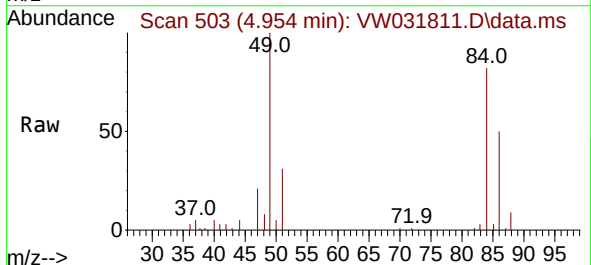
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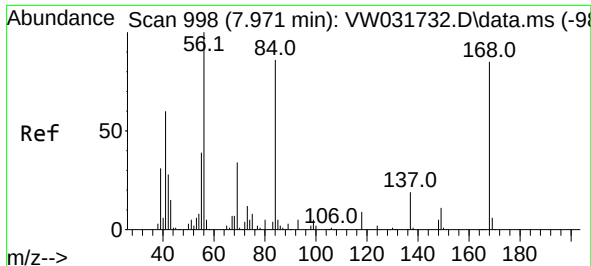
Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
74 25.7 20.6 30.8



#20
Methylene Chloride
Concen: 6.507 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Tgt Ion: 84 Resp: 24692
Ion Ratio Lower Upper
84 100
49 121.5 98.2 147.4
51 37.5 29.8 44.8
86 60.6 49.5 74.3

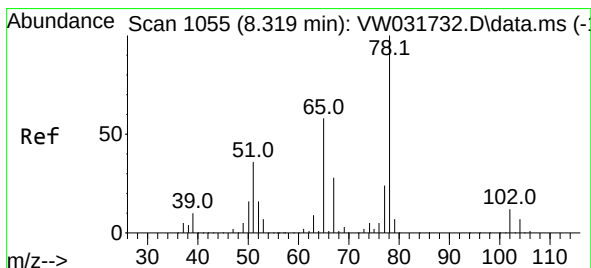
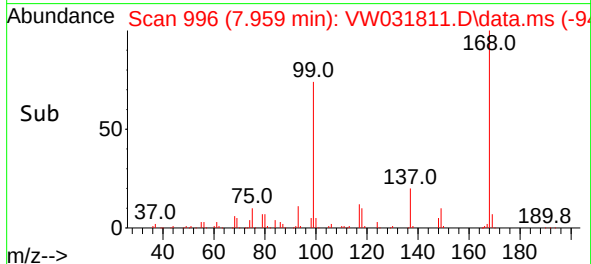
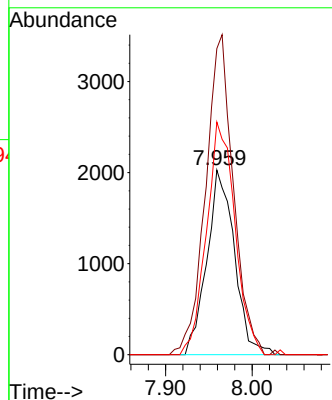
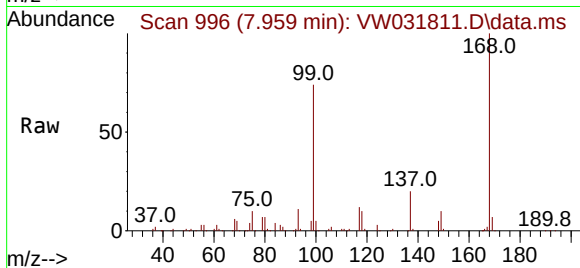




#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

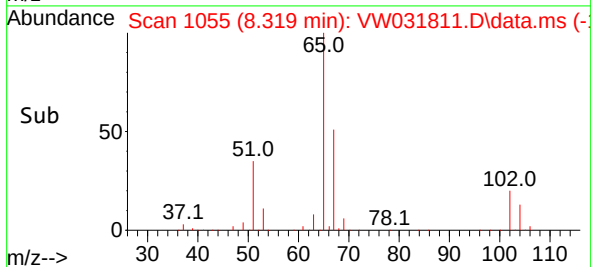
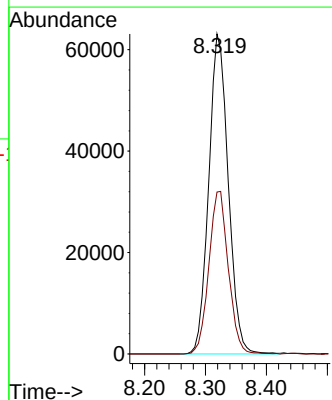
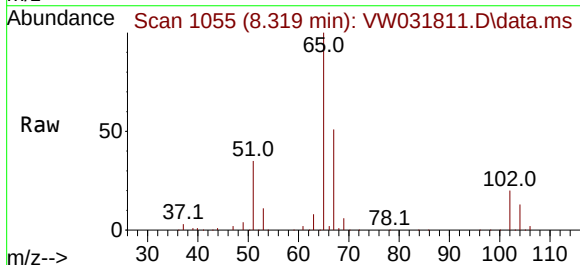
Instrument :
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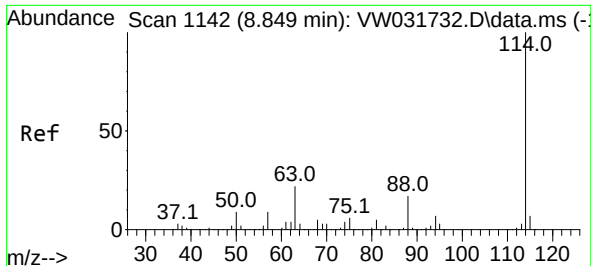
Tgt Ion: 56 Resp: 4489
Ion Ratio Lower Upper
56 100
69 165.7 27.2 40.8#
84 126.0 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 58.473 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Tgt Ion: 65 Resp: 140332
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4

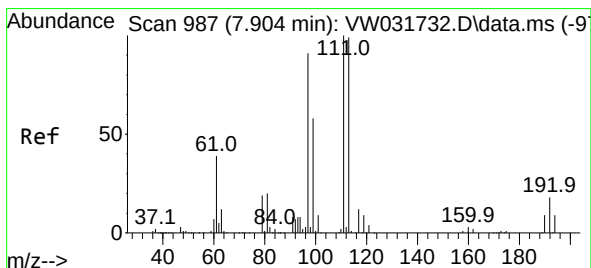
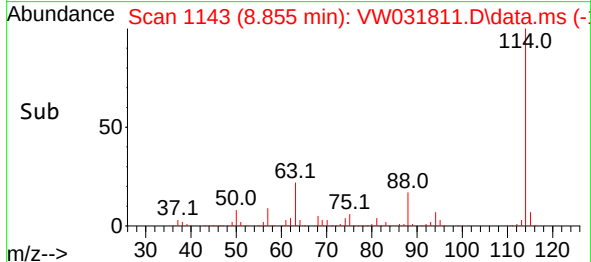
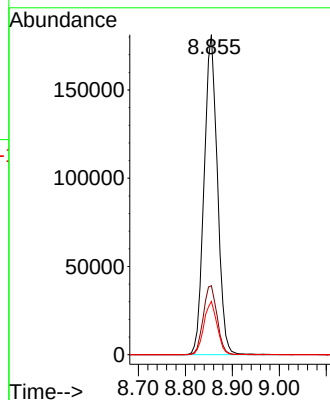
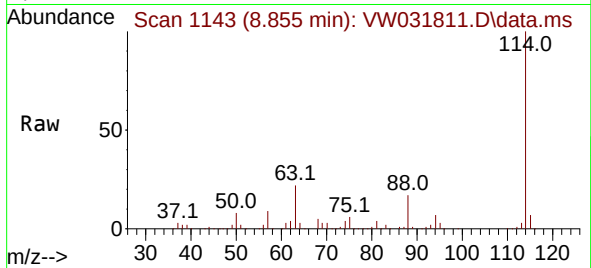




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

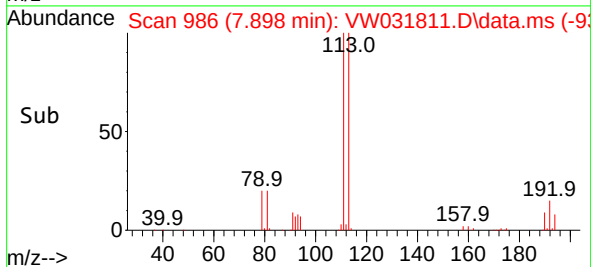
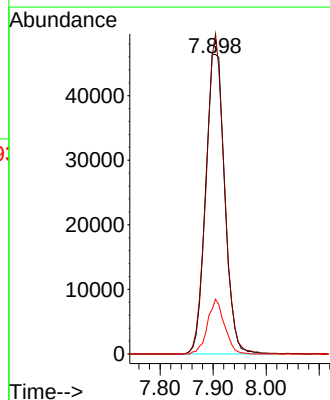
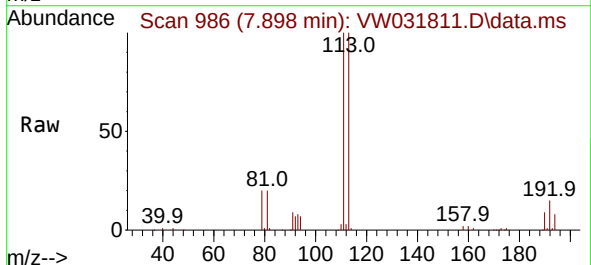
Instrument :
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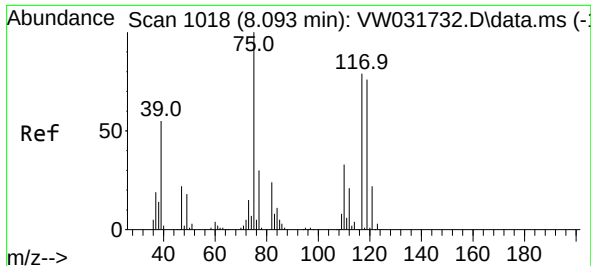
Tgt Ion:114 Resp: 355443
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.6
88 16.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.407 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Tgt Ion:113 Resp: 116915
Ion Ratio Lower Upper
113 100
111 100.9 82.1 123.1
192 16.1 13.8 20.6

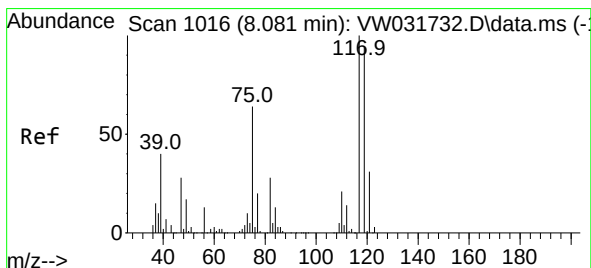
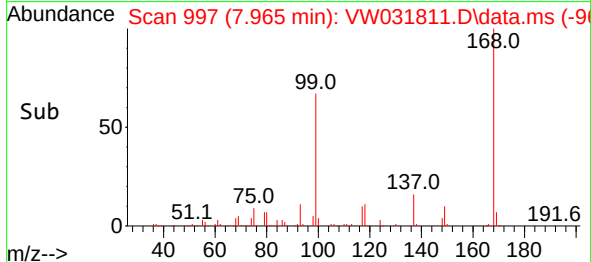
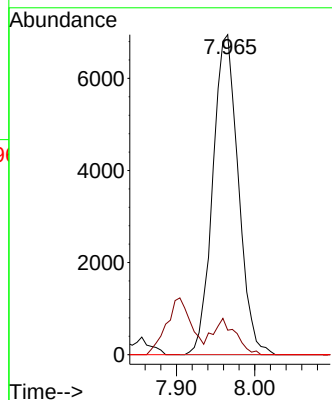
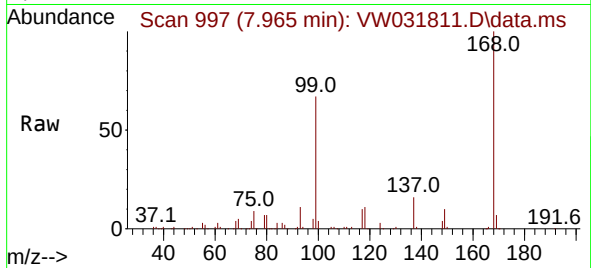




#36
 1,1-Dichloropropene
 Concen: 4.693 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031811.D
 Acq: 10 Jul 2025 18:10

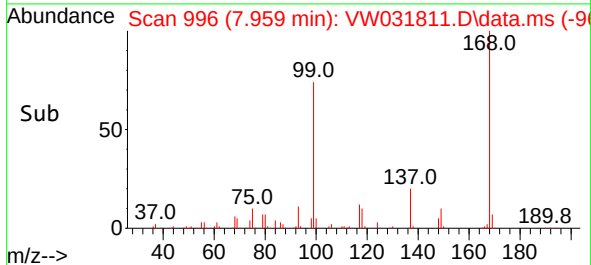
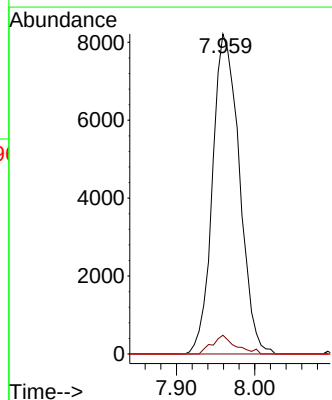
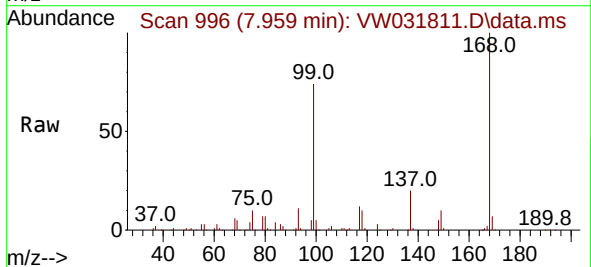
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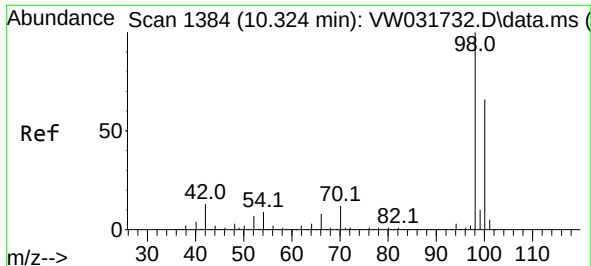
Tgt Ion: 75 Resp: 15751
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.715 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031811.D
 Acq: 10 Jul 2025 18:10

Tgt Ion: 117 Resp: 19546
 Ion Ratio Lower Upper
 117 100
 119 5.9 75.0 112.6#
 121 0.0 24.6 37.0#

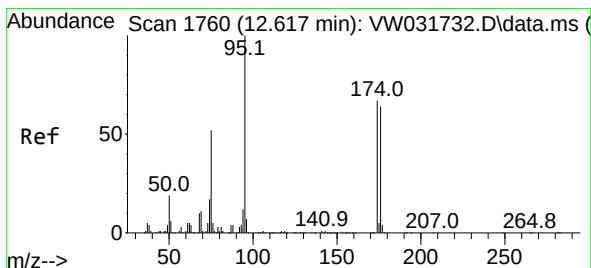
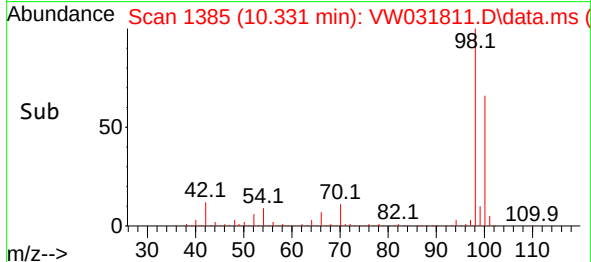
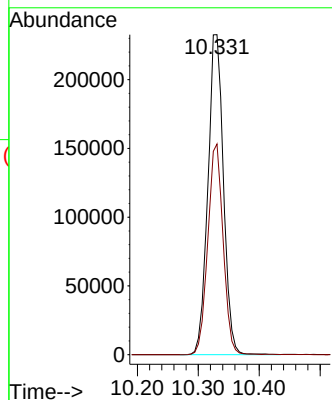
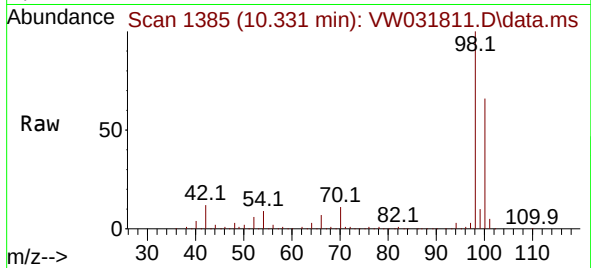




#50
Toluene-d8
Concen: 47.860 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

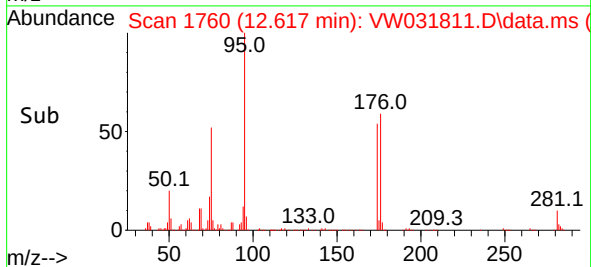
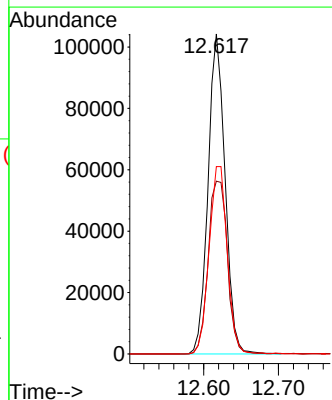
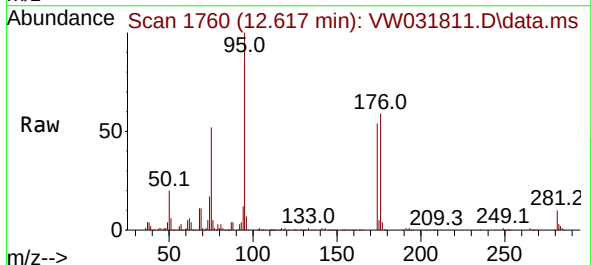
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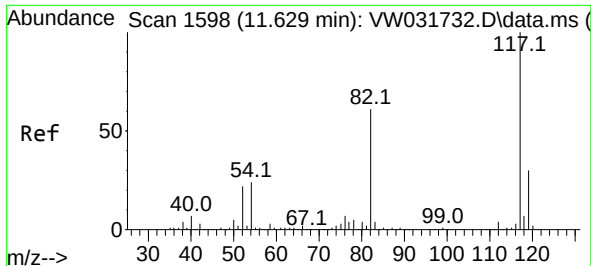
Tgt Ion: 98 Resp: 413106
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.981 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Tgt Ion: 95 Resp: 165113
Ion Ratio Lower Upper
95 100
174 61.1 0.0 133.8
176 62.6 0.0 126.0

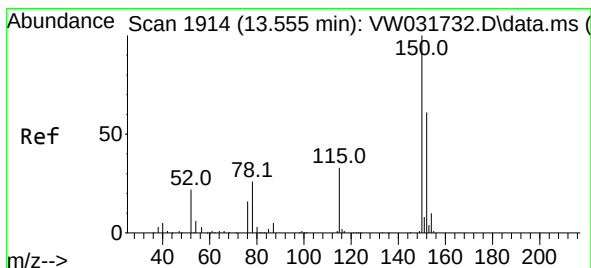
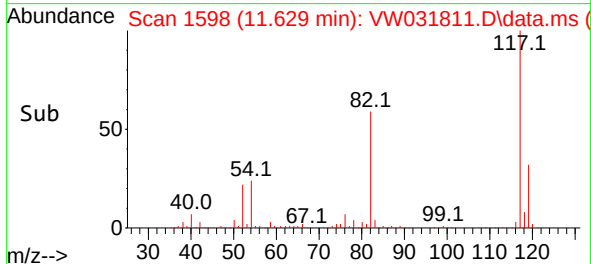
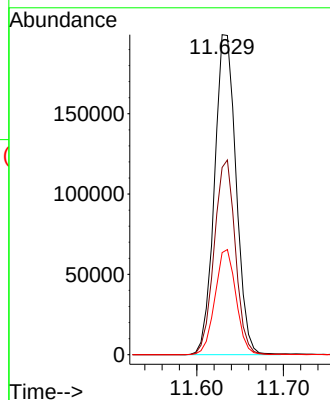
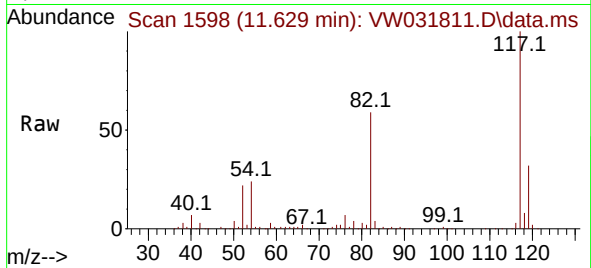




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

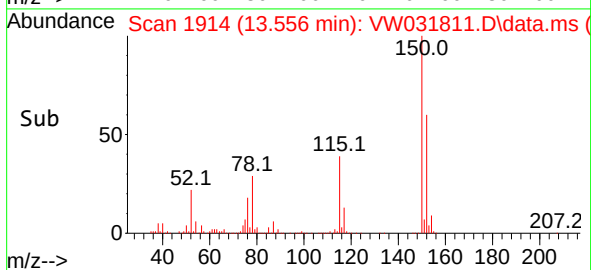
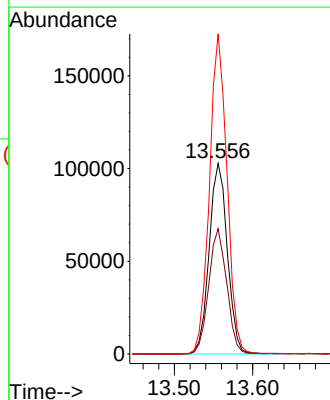
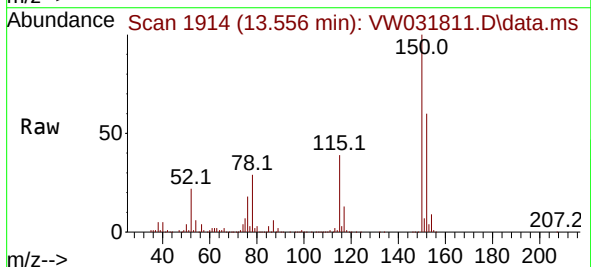
Instrument :
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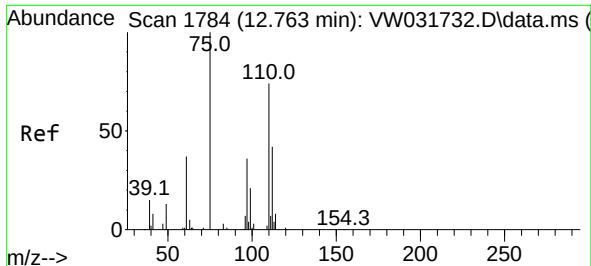
Tgt Ion:117 Resp: 345205
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 31.9 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Tgt Ion:152 Resp: 165908
Ion Ratio Lower Upper
152 100
115 65.1 31.9 95.7
150 162.0 0.0 356.4

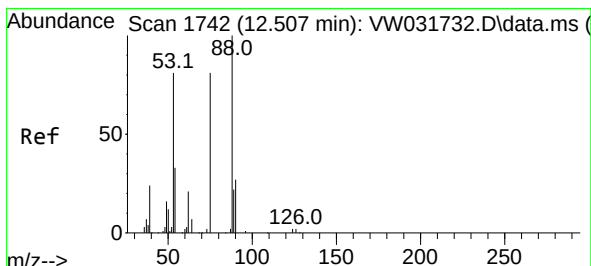
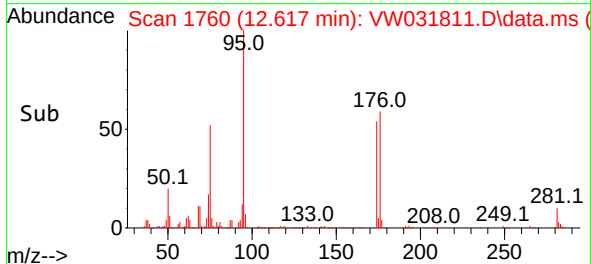
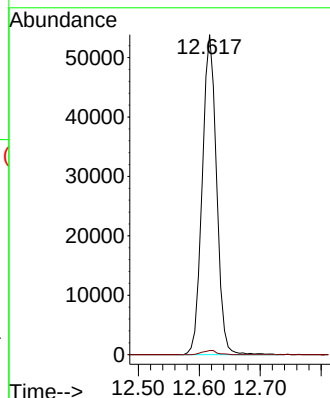
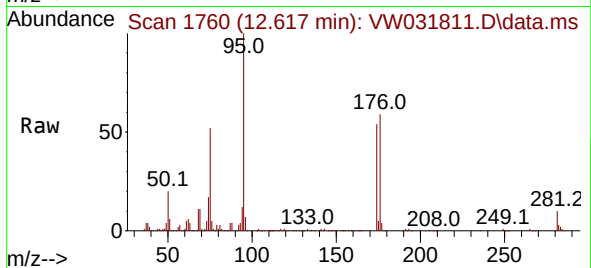




#76
1,2,3-Trichloropropane
Concen: 41.128 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Instrument :
MSVOA_W
ClientSampleId :
TP-23

Tgt Ion: 75 Resp: 88178
Ion Ratio Lower Upper
75 100
77 1.3 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.793 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031811.D
Acq: 10 Jul 2025 18:10

Tgt Ion: 75 Resp: 88178
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.4 38.3 57.5#

