

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071525\
 Data File : VW031860.D
 Acq On : 15 Jul 2025 14:19
 Operator : SY/MD
 Sample : Q2523-01
 Misc : 3.30g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0190

Quant Time: Jul 15 15:22:20 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)

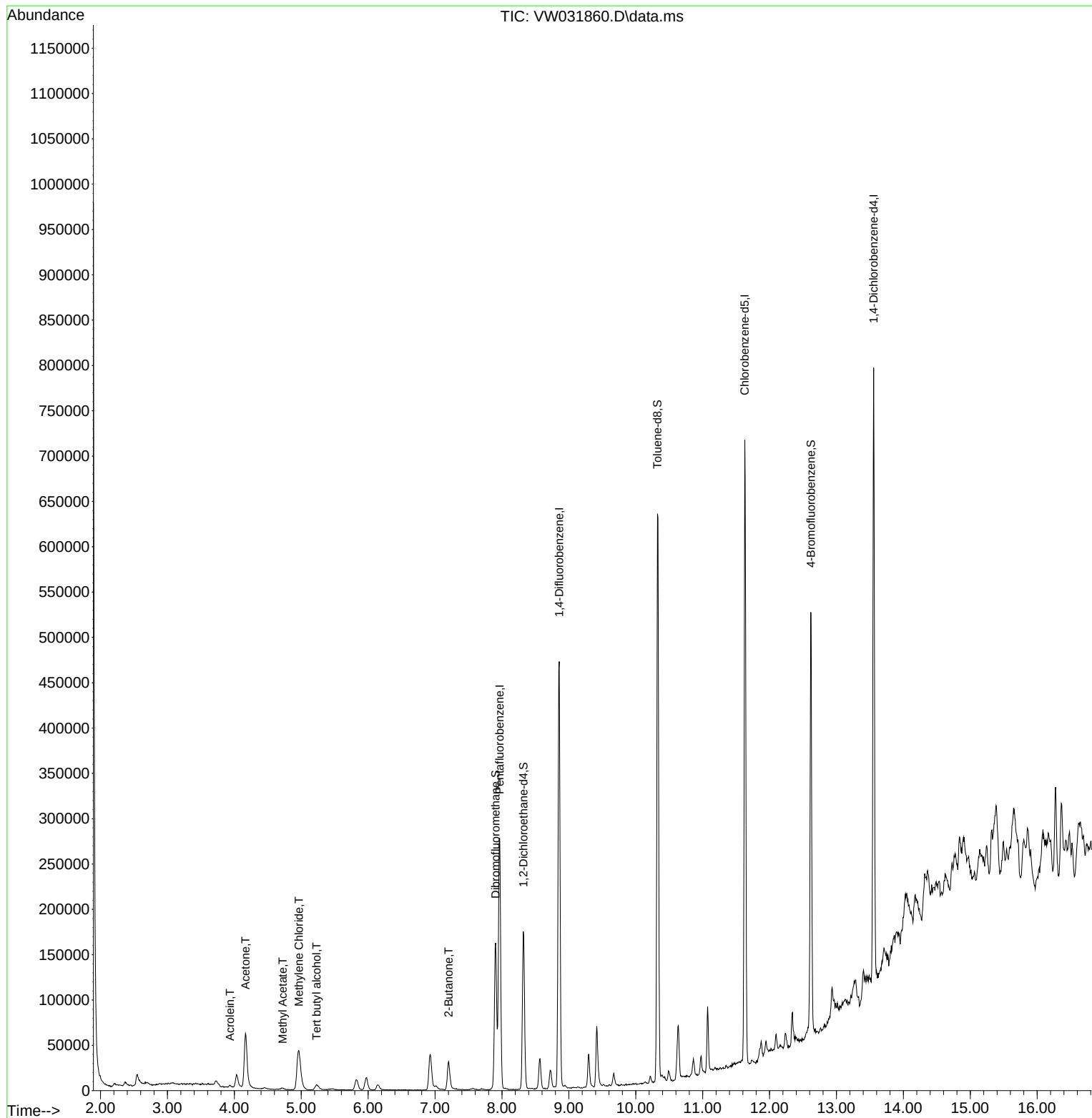
Internal Standards						
1) Pentafluorobenzene	7.965	168	195190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	405713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	159779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	145197	51.834	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 103.660%		
35) Dibromofluoromethane	7.904	113	119120	44.994	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 89.980%		
50) Toluene-d8	10.325	98	424598	43.097	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 86.200%		
62) 4-Bromofluorobenzene	12.617	95	169306	46.697	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 93.400%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.228	59	9696	55.871	ug/l #	92
13) Acrolein	3.936	56	3103	9.948	ug/l	84
16) Acetone	4.167	43	120729	174.371	ug/l	100
18) Methyl Acetate	4.722	43	3893	1.967	ug/l #	74
20) Methylene Chloride	4.966	84	43181	12.094	ug/l	94
25) 2-Butanone	7.203	43	53629	59.538	ug/l	99

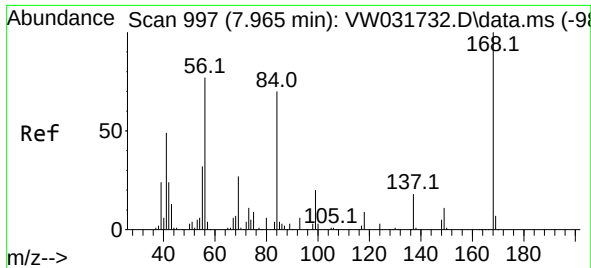
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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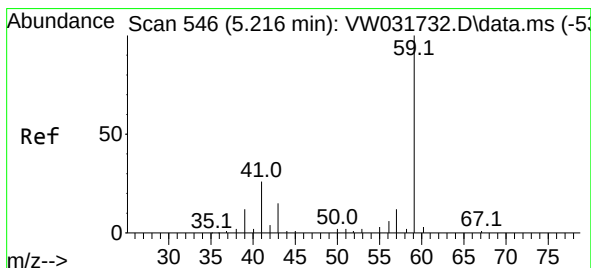
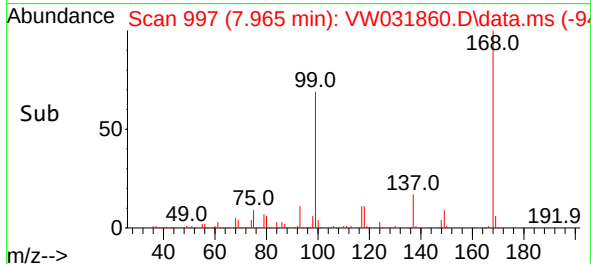
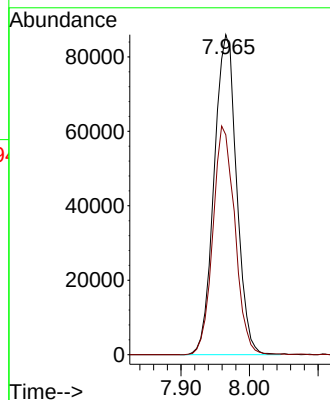
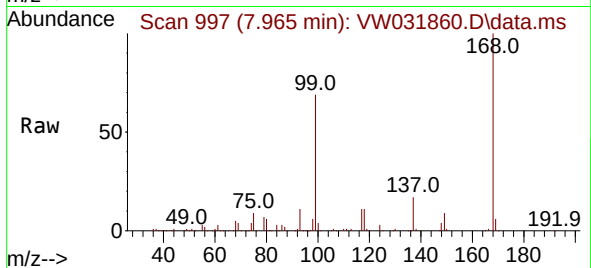




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

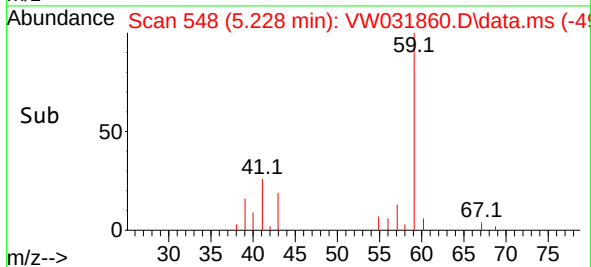
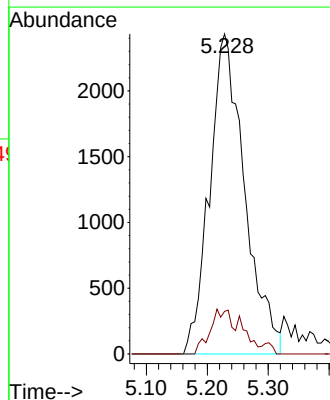
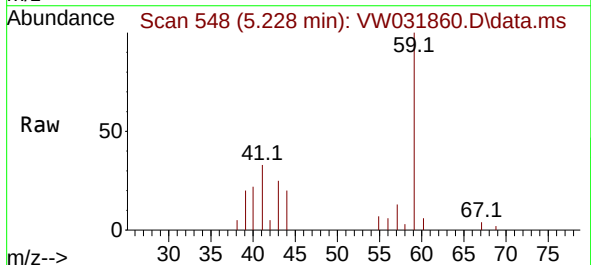
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0190

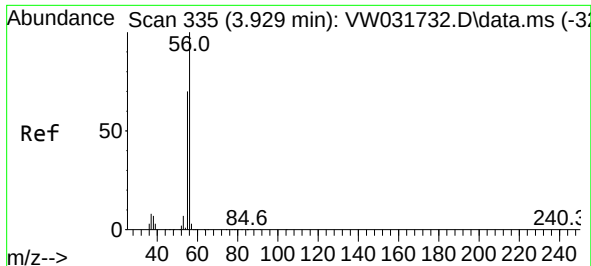
Tgt Ion:168 Resp: 195190
Ion Ratio Lower Upper
168 100
99 68.7 49.4 74.2



#11
Tert butyl alcohol
Concen: 55.871 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.013 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

Tgt Ion: 59 Resp: 9696
Ion Ratio Lower Upper
59 100
57 8.8 9.5 14.3#

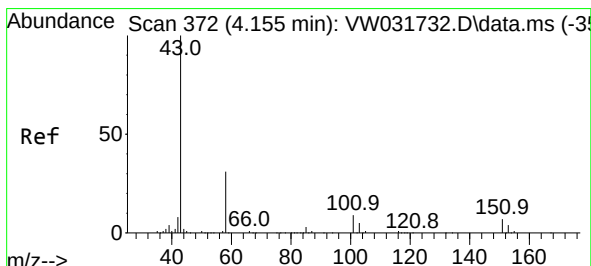
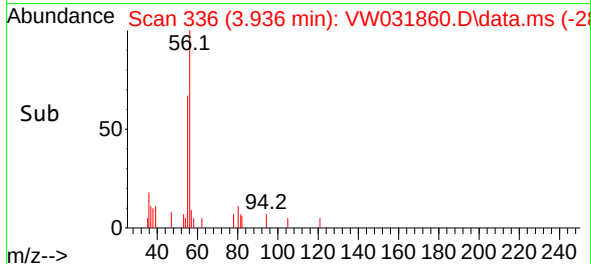
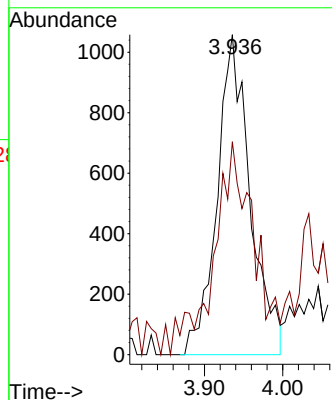
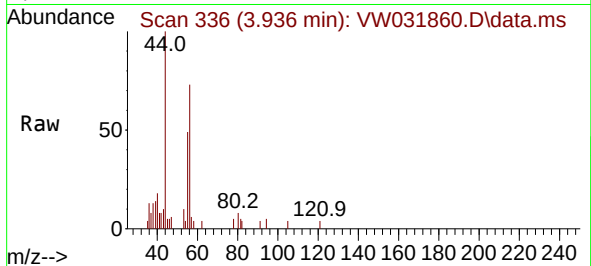




#13
Acrolein
Concen: 9.948 ug/l
RT: 3.936 min Scan# 31
Delta R.T. 0.007 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

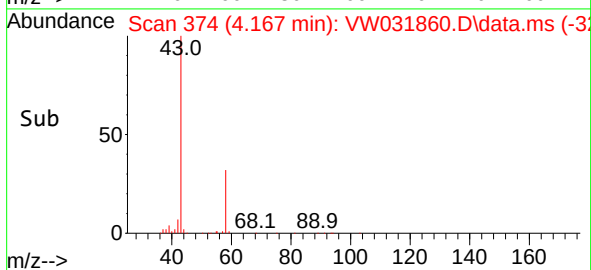
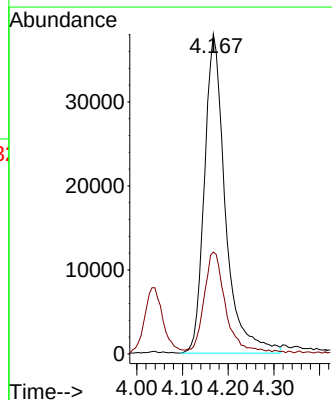
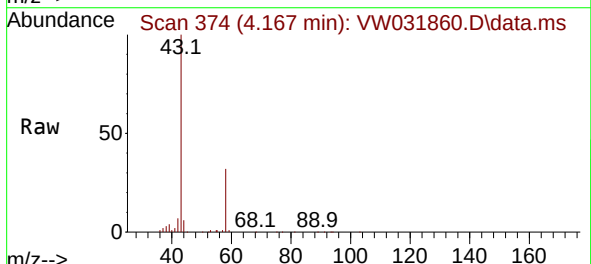
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0190

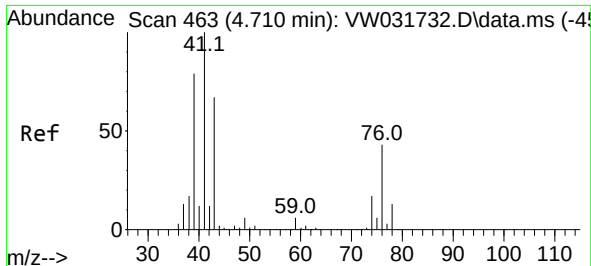
Tgt Ion: 56 Resp: 3103
Ion Ratio Lower Upper
56 100
55 54.7 54.0 81.0



#16
Acetone
Concen: 174.371 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.013 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

Tgt Ion: 43 Resp: 120729
Ion Ratio Lower Upper
43 100
58 31.2 24.8 37.2

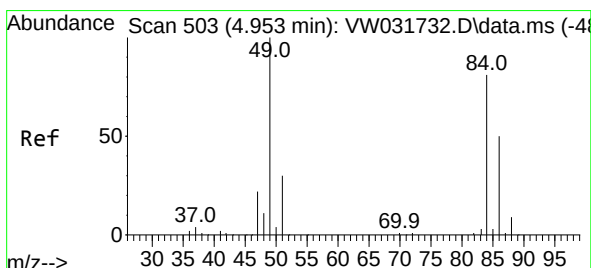
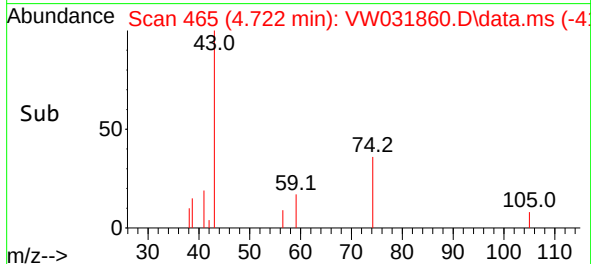
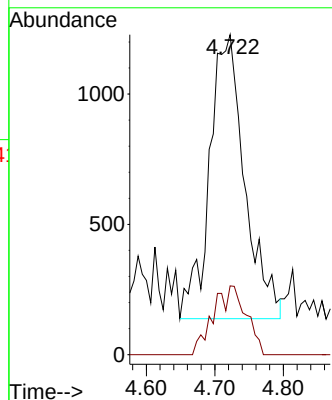
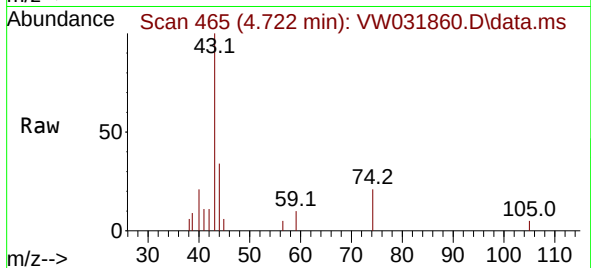




#18
Methyl Acetate
Concen: 1.967 ug/l
RT: 4.722 min Scan# 4
Delta R.T. 0.013 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

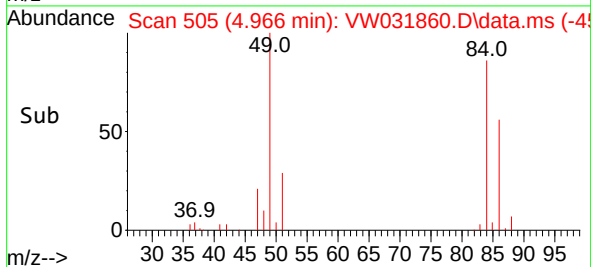
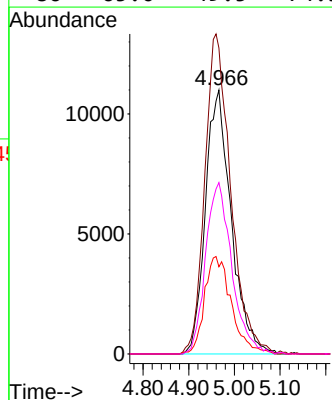
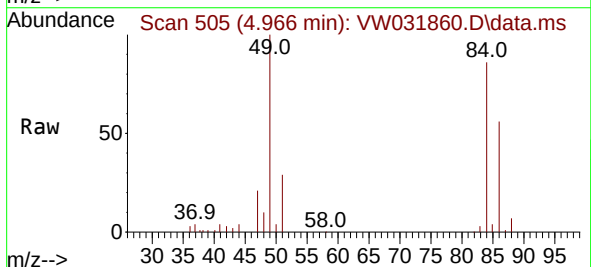
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0190

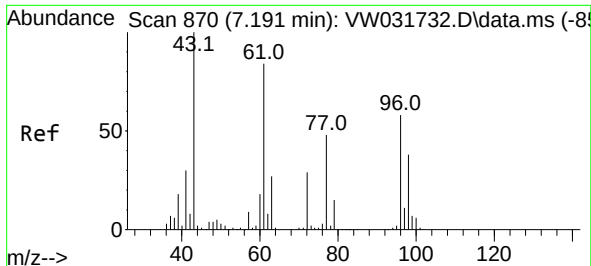
Tgt Ion: 43 Resp: 3893
Ion Ratio Lower Upper
43 100
74 12.5 20.6 30.8#



#20
Methylene Chloride
Concen: 12.094 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.013 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

Tgt Ion: 84 Resp: 43181
Ion Ratio Lower Upper
84 100
49 116.0 98.2 147.4
51 33.1 29.8 44.8
86 65.0 49.5 74.3

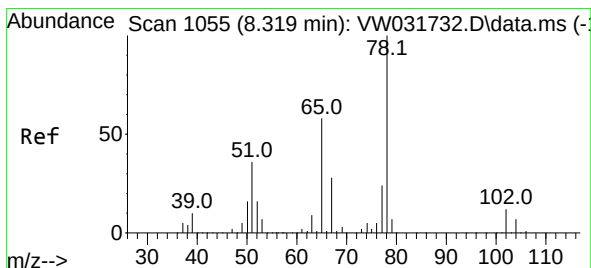
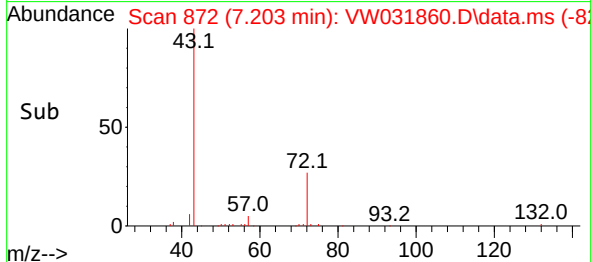
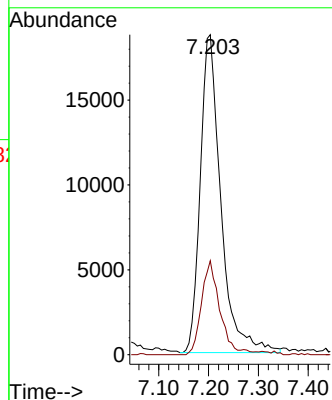
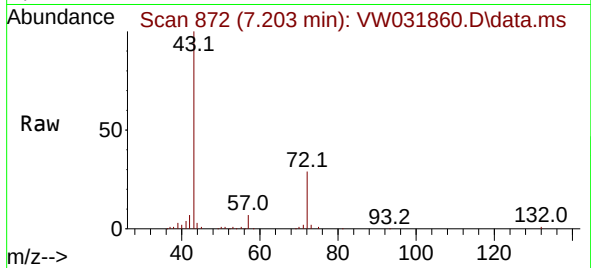




#25
2-Butanone
Concen: 59.538 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.013 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

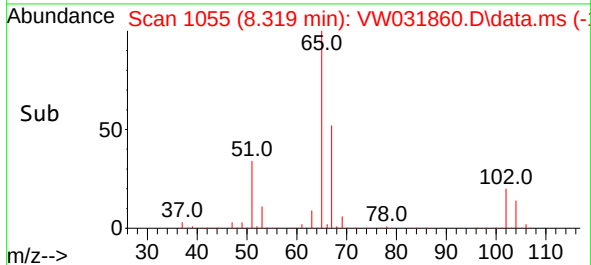
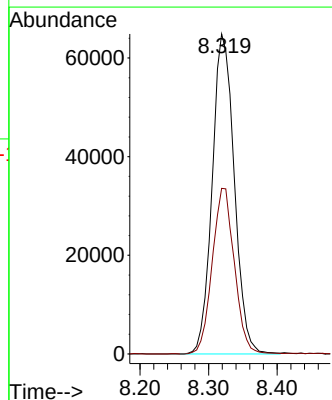
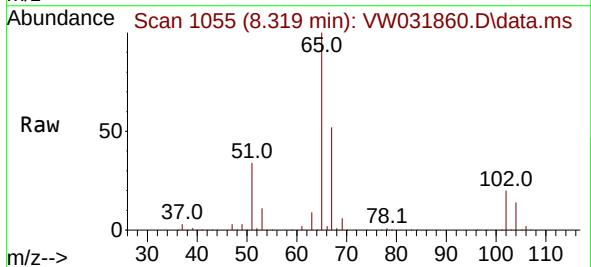
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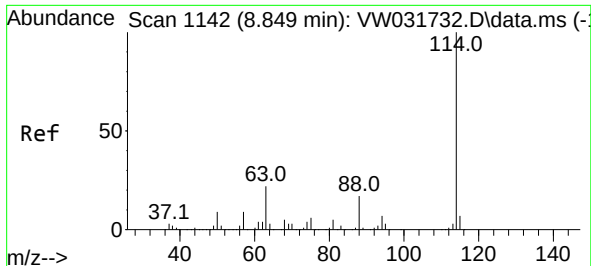
Tgt Ion: 43 Resp: 53629
Ion Ratio Lower Upper
43 100
72 29.6 23.0 34.6



#33
1,2-Dichloroethane-d4
Concen: 51.834 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

Tgt Ion: 65 Resp: 145197
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4

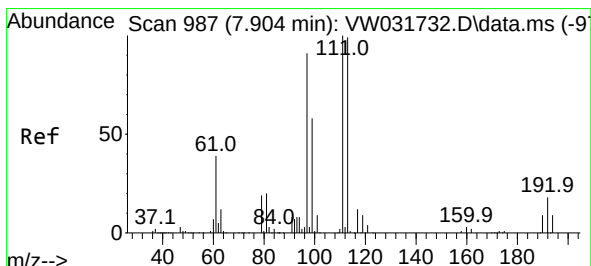
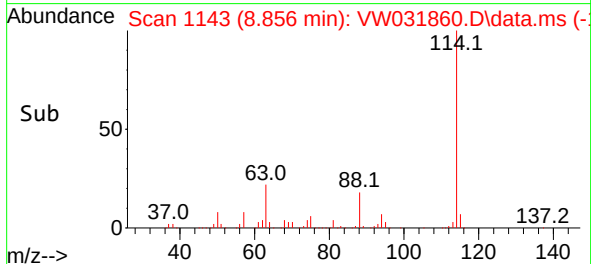
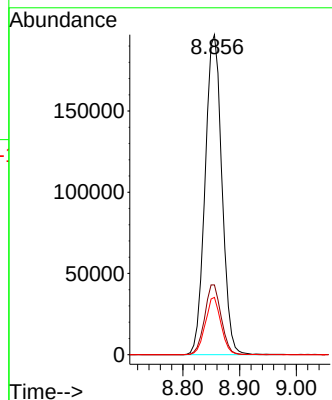
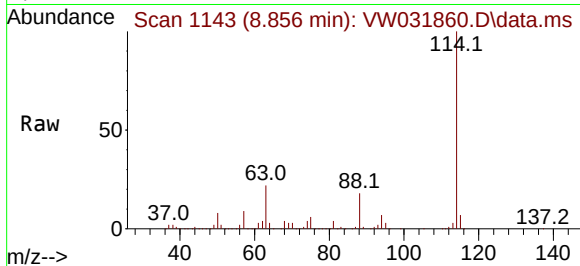




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.007 min
 Lab File: VW031860.D
 Acq: 15 Jul 2025 14:19

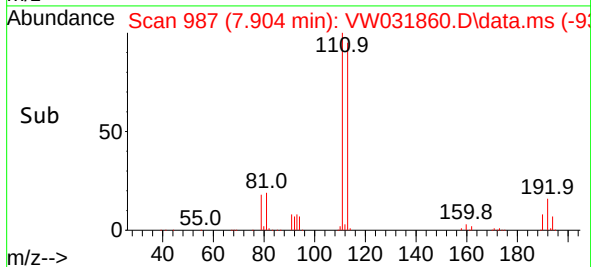
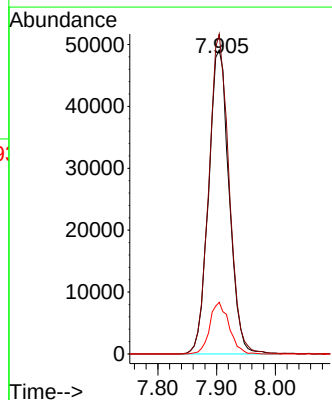
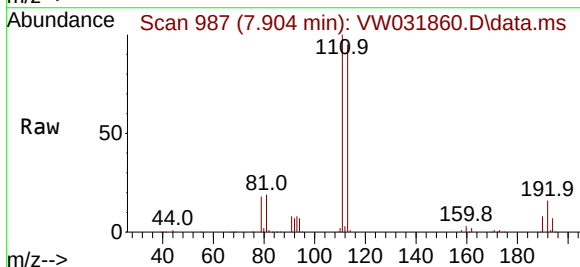
Instrument :
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 MOO-25-0190

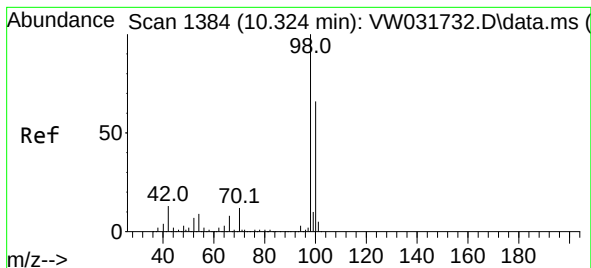
Tgt Ion:114 Resp: 405713
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.6
 88 17.9 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 44.994 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW031860.D
 Acq: 15 Jul 2025 14:19

Tgt Ion:113 Resp: 119120
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.1 123.1
 192 16.0 13.8 20.6





#50

Toluene-d8

Concen: 43.097 ug/l

RT: 10.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031860.D

Acq: 15 Jul 2025 14:19

Instrument :

MSVOA_W

ClientSampleId :

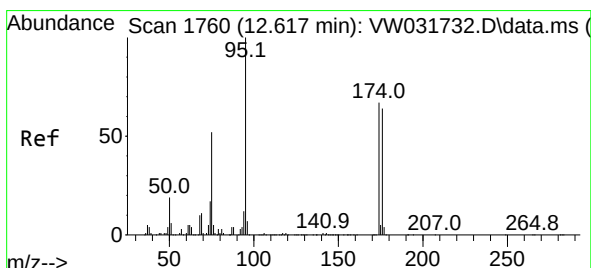
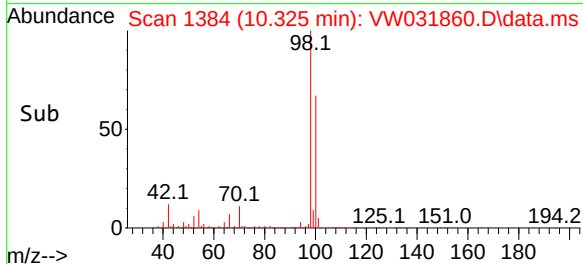
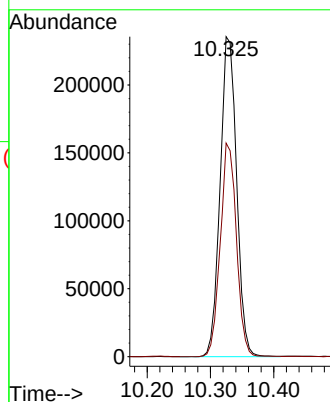
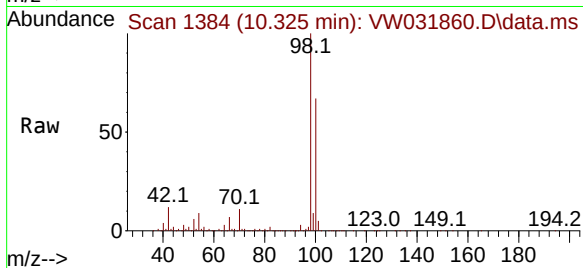
MOO-25-0190

Tgt Ion: 98 Resp: 424598

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 46.697 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW031860.D

Acq: 15 Jul 2025 14:19

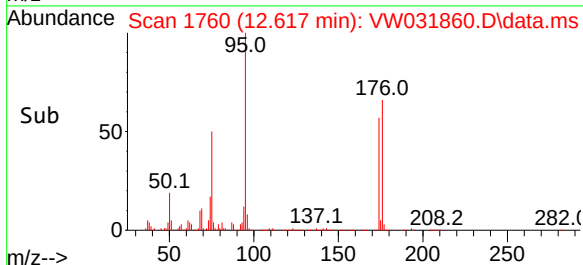
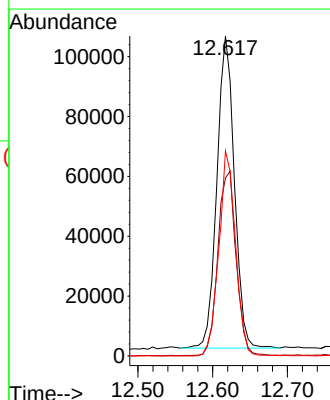
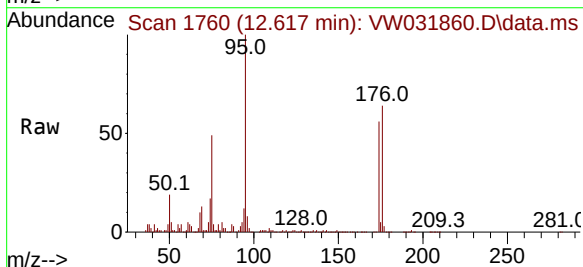
Tgt Ion: 95 Resp: 169306

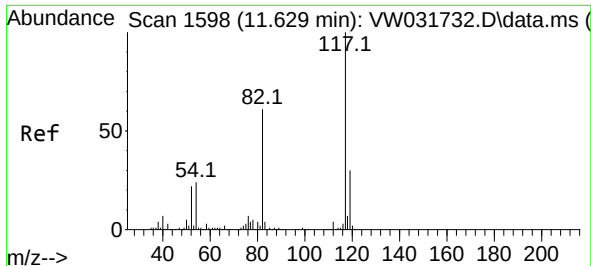
Ion Ratio Lower Upper

95 100

174 61.5 0.0 133.8

176 63.2 0.0 126.0

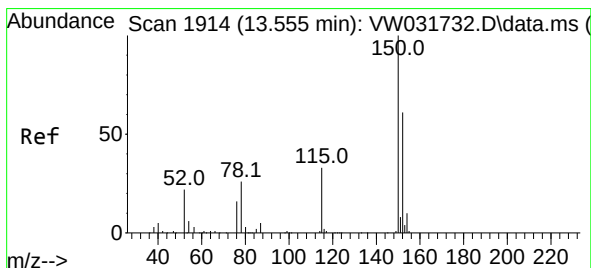
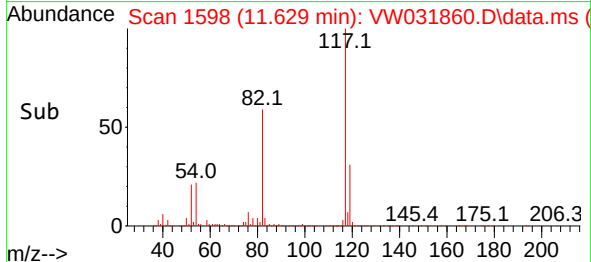
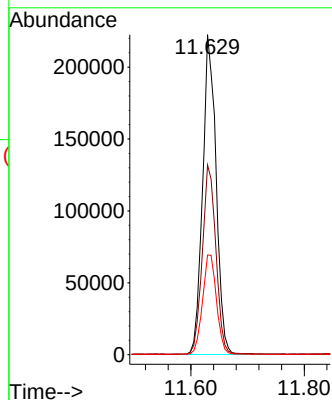
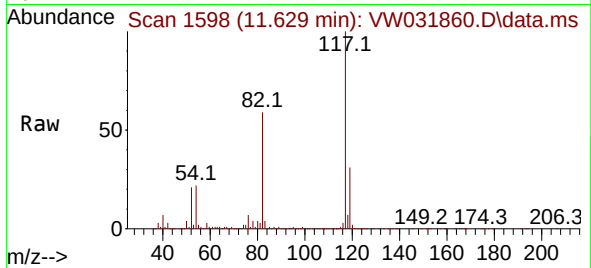




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031860.D
Acq: 15 Jul 2025 14:19

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0190

Tgt Ion:117 Resp: 366620
Ion Ratio Lower Upper
117 100
82 59.1 48.6 72.8
119 31.1 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: VW031860.D
Acq: 15 Jul 2025 14:19

Tgt Ion:152 Resp: 159779
Ion Ratio Lower Upper
152 100
115 68.7 31.9 95.7
150 166.2 0.0 356.4

