

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031814.D
 Acq On : 10 Jul 2025 19:15
 Operator : SY/MD
 Sample : Q2558-03
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

Quant Time: Jul 11 02:26:26 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)

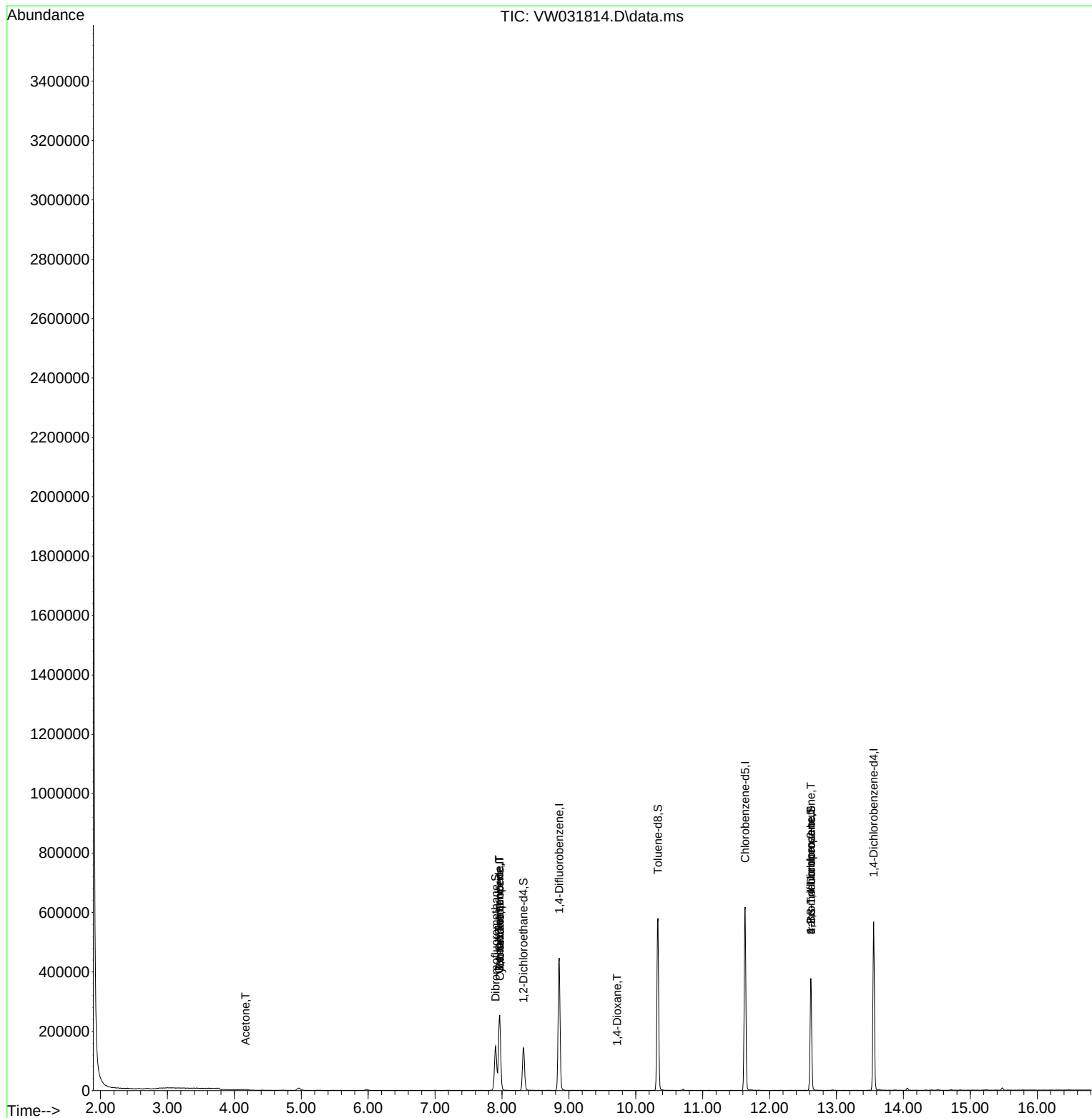
Internal Standards						
1) Pentafluorobenzene	7.965	168	167602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	373968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	339893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	137532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121434	50.486	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 100.980%		
35) Dibromofluoromethane	7.904	113	108538	44.477	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 88.960%		
50) Toluene-d8	10.331	98	390012	42.947	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 85.900%		
62) 4-Bromofluorobenzene	12.617	95	134584	40.271	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 80.540%		
Target Compounds						
					Qvalue	
16) Acetone	4.167	43	1742	2.930	ug/l #	88
20) Methylene Chloride	4.966	84	6885	Below Cal	#	85
31) Cyclohexane	7.971	56	4834	1.411	ug/l #	44
36) 1,1-Dichloropropene	7.965	75	16293	4.614	ug/l #	50
38) Carbon Tetrachloride	7.959	117	19553	5.434	ug/l #	17
49) 1,4-Dioxane	9.721	88	23	1.205	ug/l #	13
76) 1,2,3-Trichloropropane	12.617	75	72090	40.562	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	72090	94.474	ug/l #	8

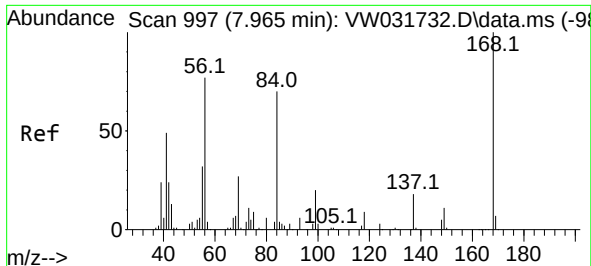
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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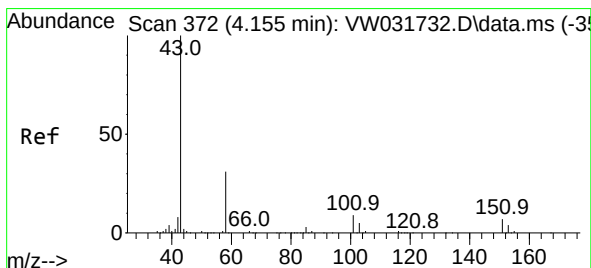
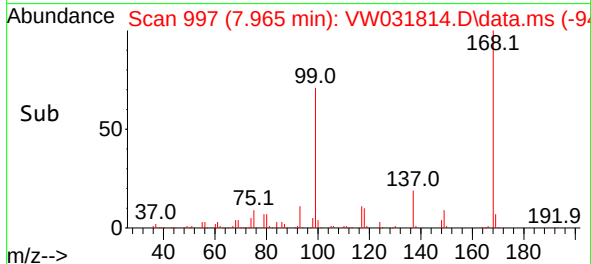
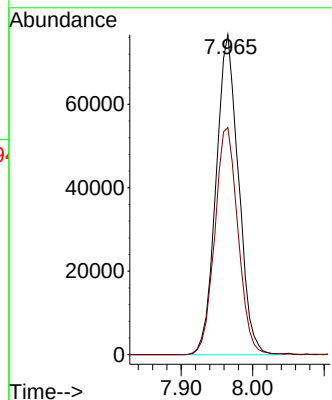
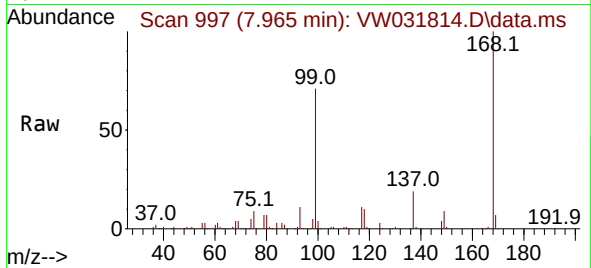




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

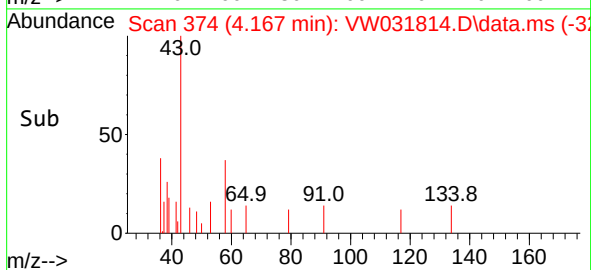
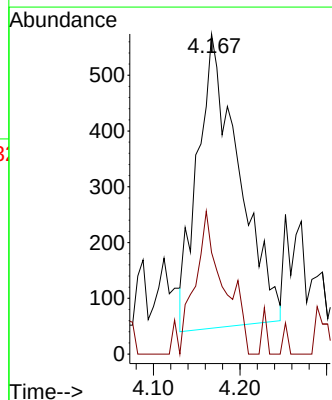
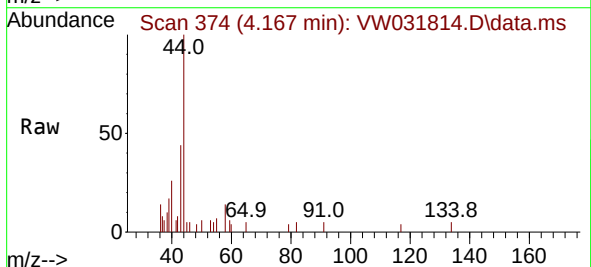
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

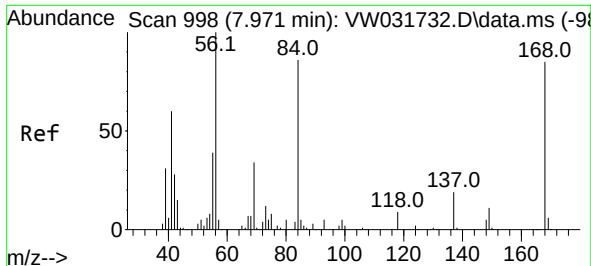
Tgt Ion:168 Resp: 167602
Ion Ratio Lower Upper
168 100
99 70.9 49.4 74.2



#16
Acetone
Concen: 2.930 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 37.4 24.8 37.2#

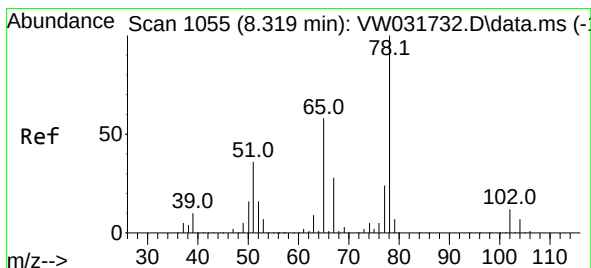
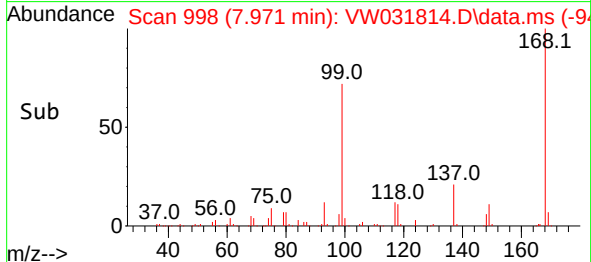
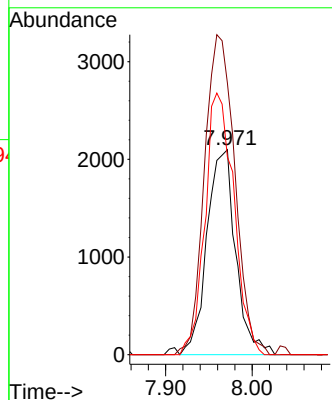
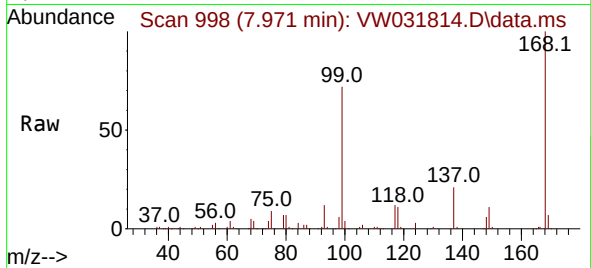




#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

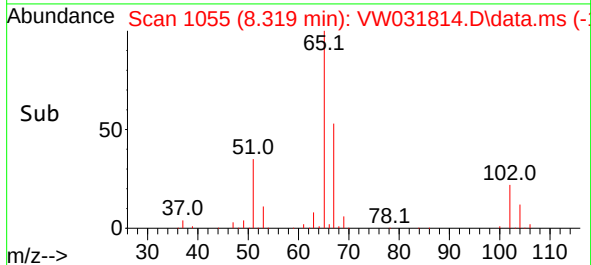
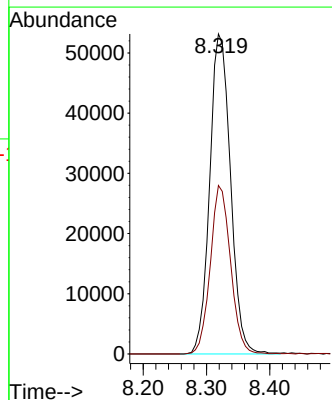
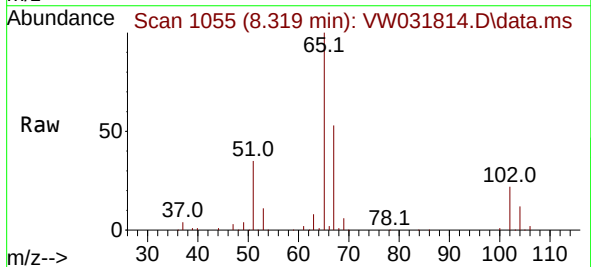
Instrument :
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OU4-TS-Grillo-OG-070925

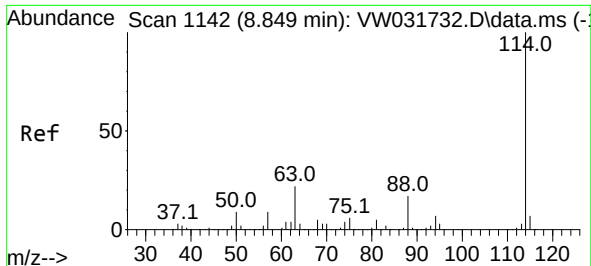
Tgt Ion: 56 Resp: 4834
Ion Ratio Lower Upper
56 100
69 129.7 27.2 40.8#
84 96.5 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion: 65 Resp: 121434
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.4

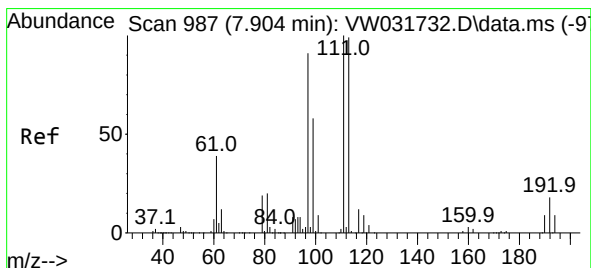
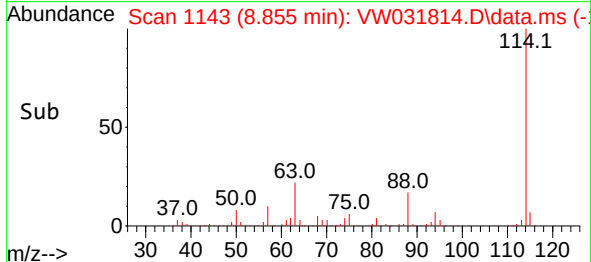
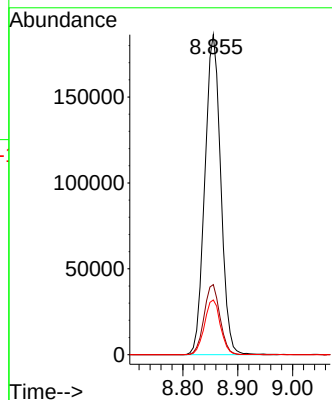
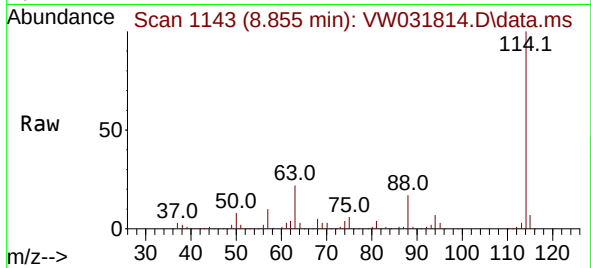




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

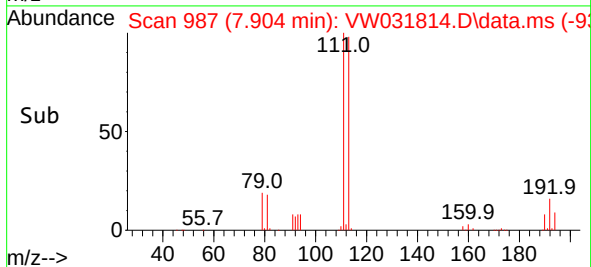
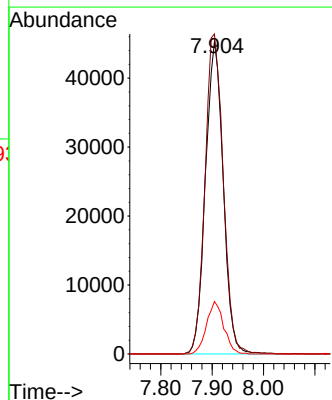
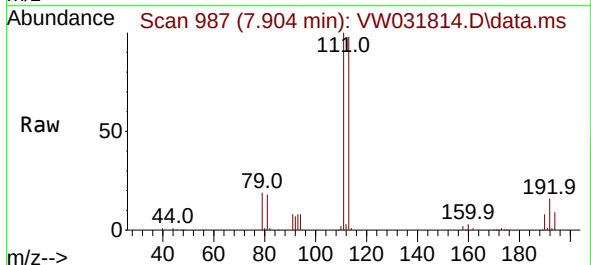
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

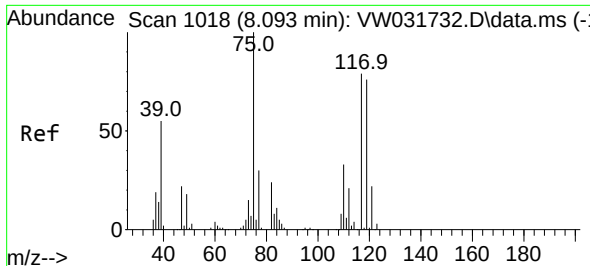
Tgt Ion:114 Resp: 373968
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.6
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 44.477 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion:113 Resp: 108538
Ion Ratio Lower Upper
113 100
111 105.2 82.1 123.1
192 16.4 13.8 20.6





#36

1,1-Dichloropropene

Concen: 4.614 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.128 min

Lab File: VW031814.D

Acq: 10 Jul 2025 19:15

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-Grillo-OG-070925

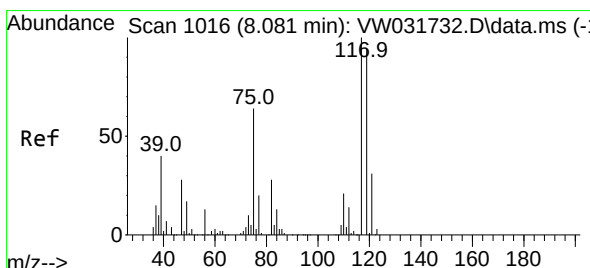
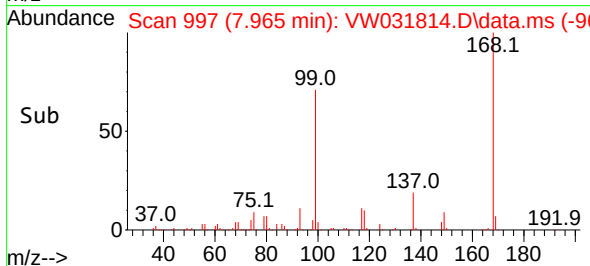
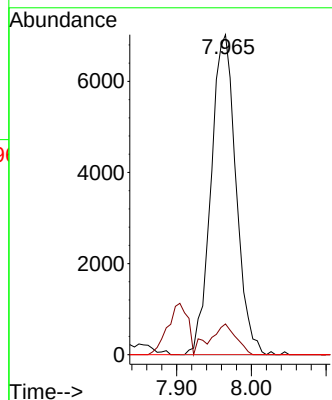
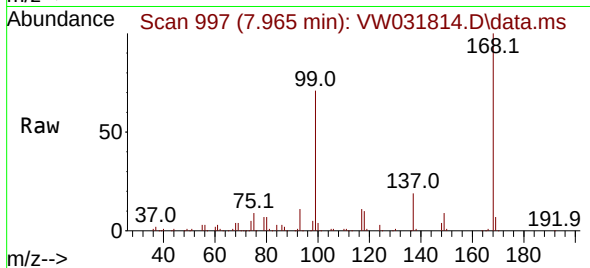
Tgt Ion: 75 Resp: 16293

Ion Ratio Lower Upper

75 100

110 8.6 16.8 50.4#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.434 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031814.D

Acq: 10 Jul 2025 19:15

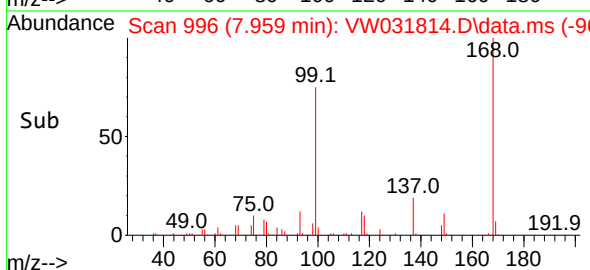
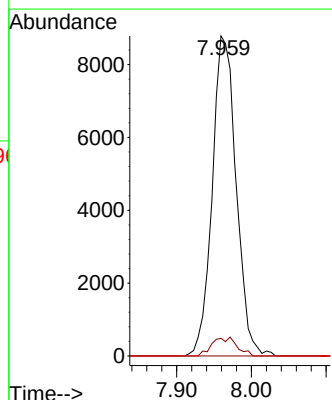
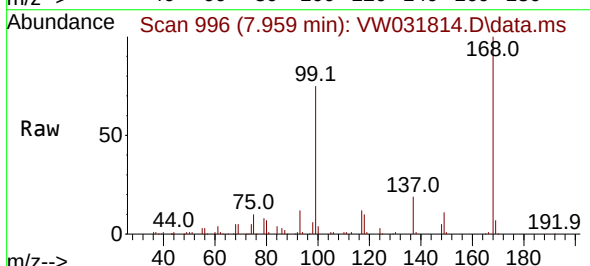
Tgt Ion: 117 Resp: 19553

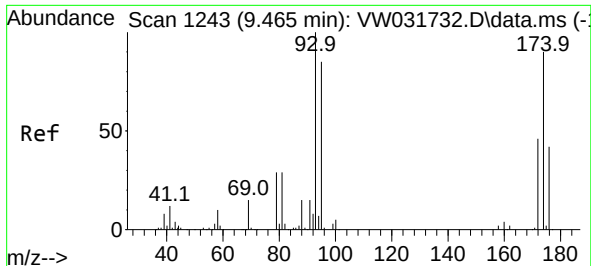
Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.205 ug/l

RT: 9.721 min Scan# 11

Delta R.T. 0.256 min

Lab File: VW031814.D

Acq: 10 Jul 2025 19:15

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-Grillo-OG-070925

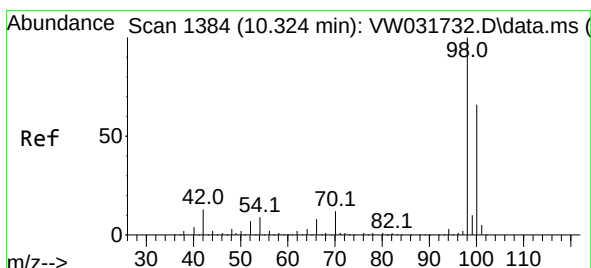
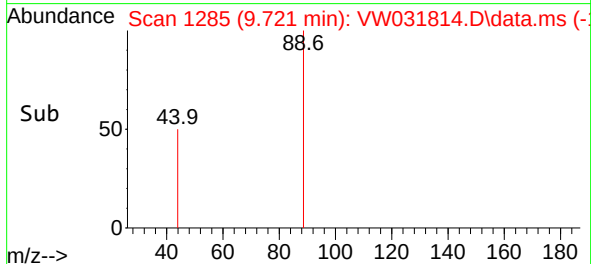
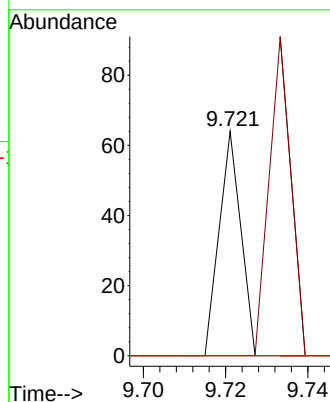
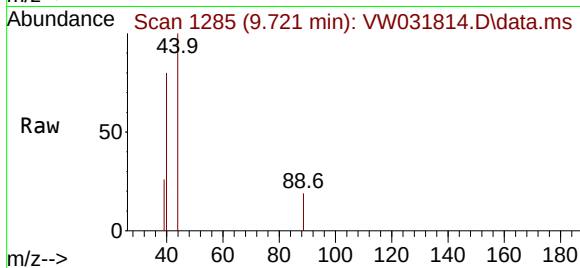
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 143.5 0.0 0.0#

58 0.0 58.3 87.5#



#50

Toluene-d8

Concen: 42.947 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031814.D

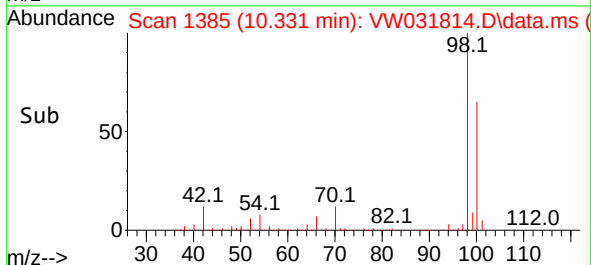
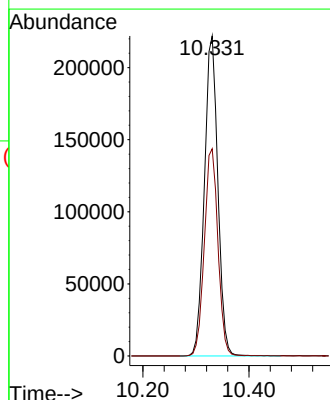
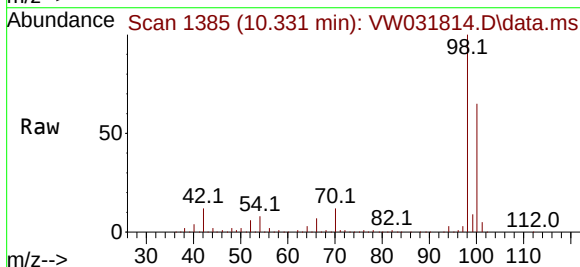
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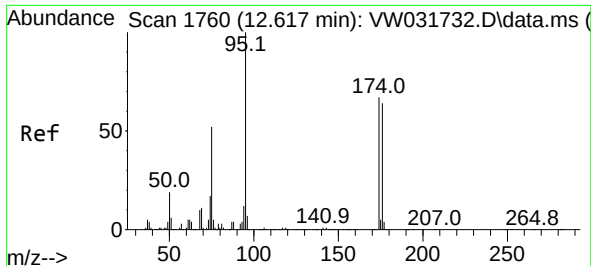
Tgt Ion: 98 Resp: 390012

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4

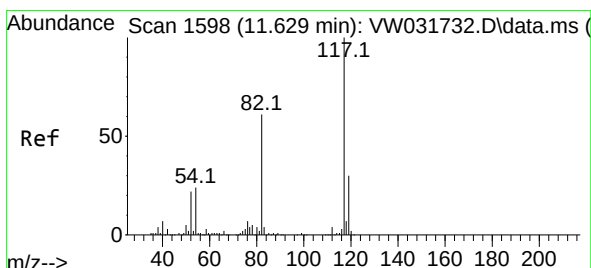
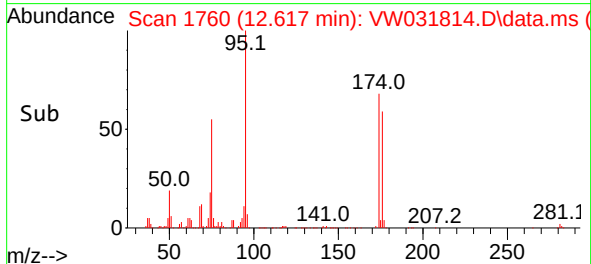
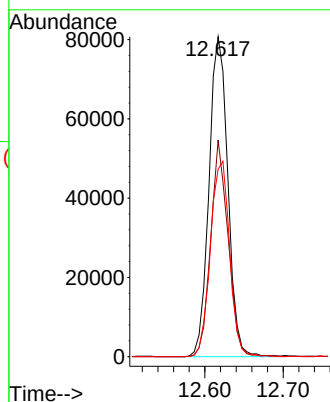
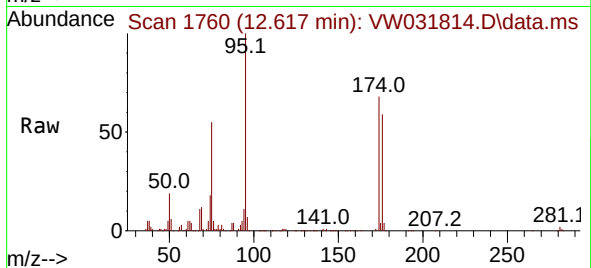




#62
4-Bromofluorobenzene
Concen: 40.271 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

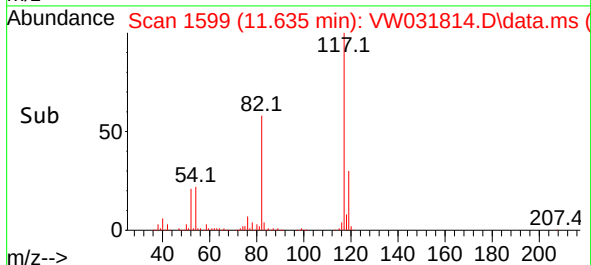
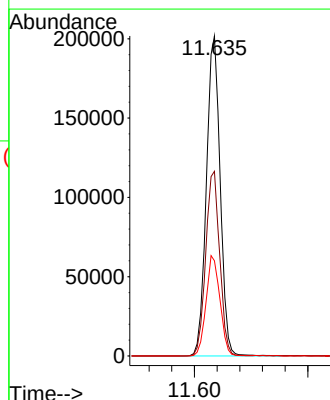
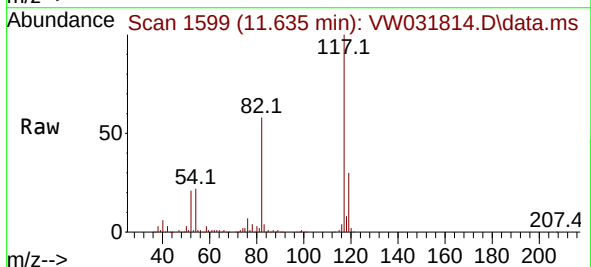
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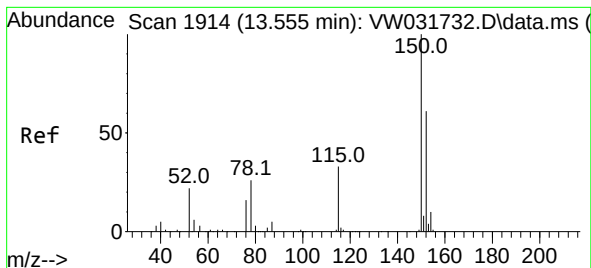
Tgt Ion: 95 Resp: 134584
Ion Ratio Lower Upper
95 100
174 62.9 0.0 133.8
176 62.4 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion: 117 Resp: 339893
Ion Ratio Lower Upper
117 100
82 57.7 48.6 72.8
119 29.7 23.9 35.9

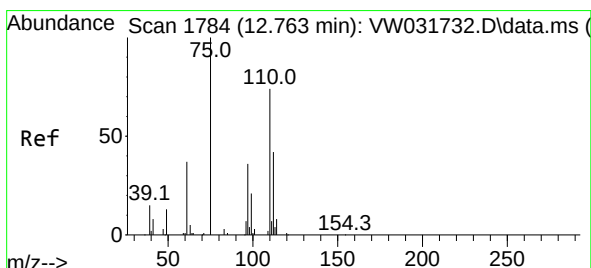
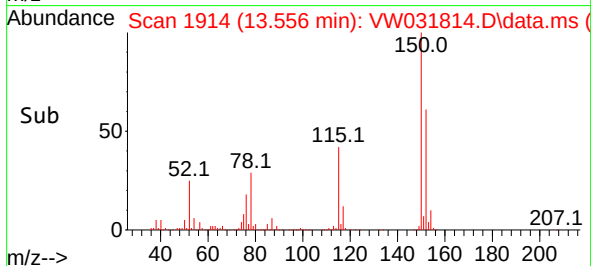
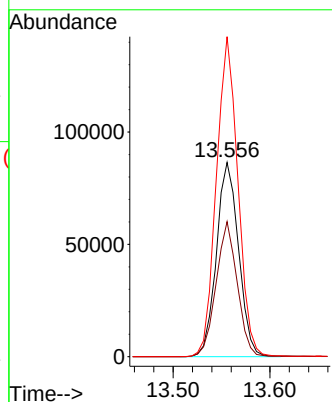
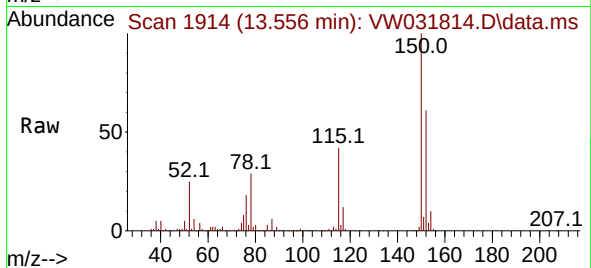




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031814.D
 Acq: 10 Jul 2025 19:15

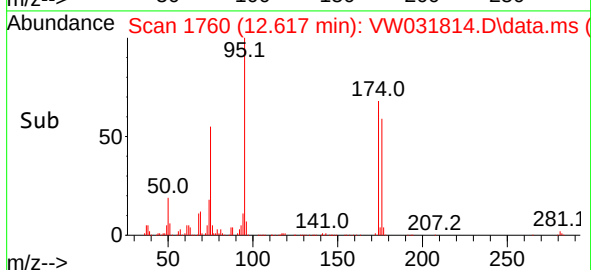
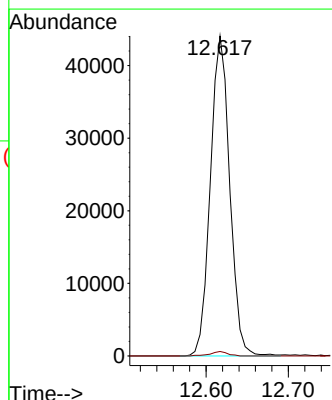
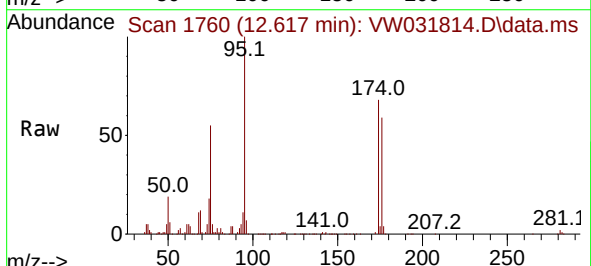
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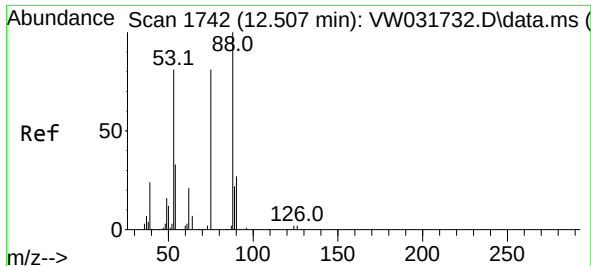
Tgt Ion:152 Resp: 137532
 Ion Ratio Lower Upper
 152 100
 115 66.3 31.9 95.7
 150 160.3 0.0 356.4



#76
 1,2,3-Trichloropropane
 Concen: 40.562 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031814.D
 Acq: 10 Jul 2025 19:15

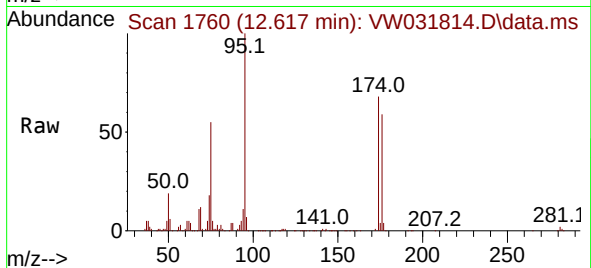
Tgt Ion: 75 Resp: 72090
 Ion Ratio Lower Upper
 75 100
 77 1.2 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.474 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031814.D
 Acq: 10 Jul 2025 19:15

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-Grillo-OG-070925



Tgt Ion: 75 Resp: 72090
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.5 125.3#
 89 0.0 38.3 57.5#

