

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031908.D
 Acq On : 23 Jul 2025 13:19
 Operator : SY/MD
 Sample : Q2676-01
 Misc : 5.31g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-07222025

Quant Time: Jul 24 02:52:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

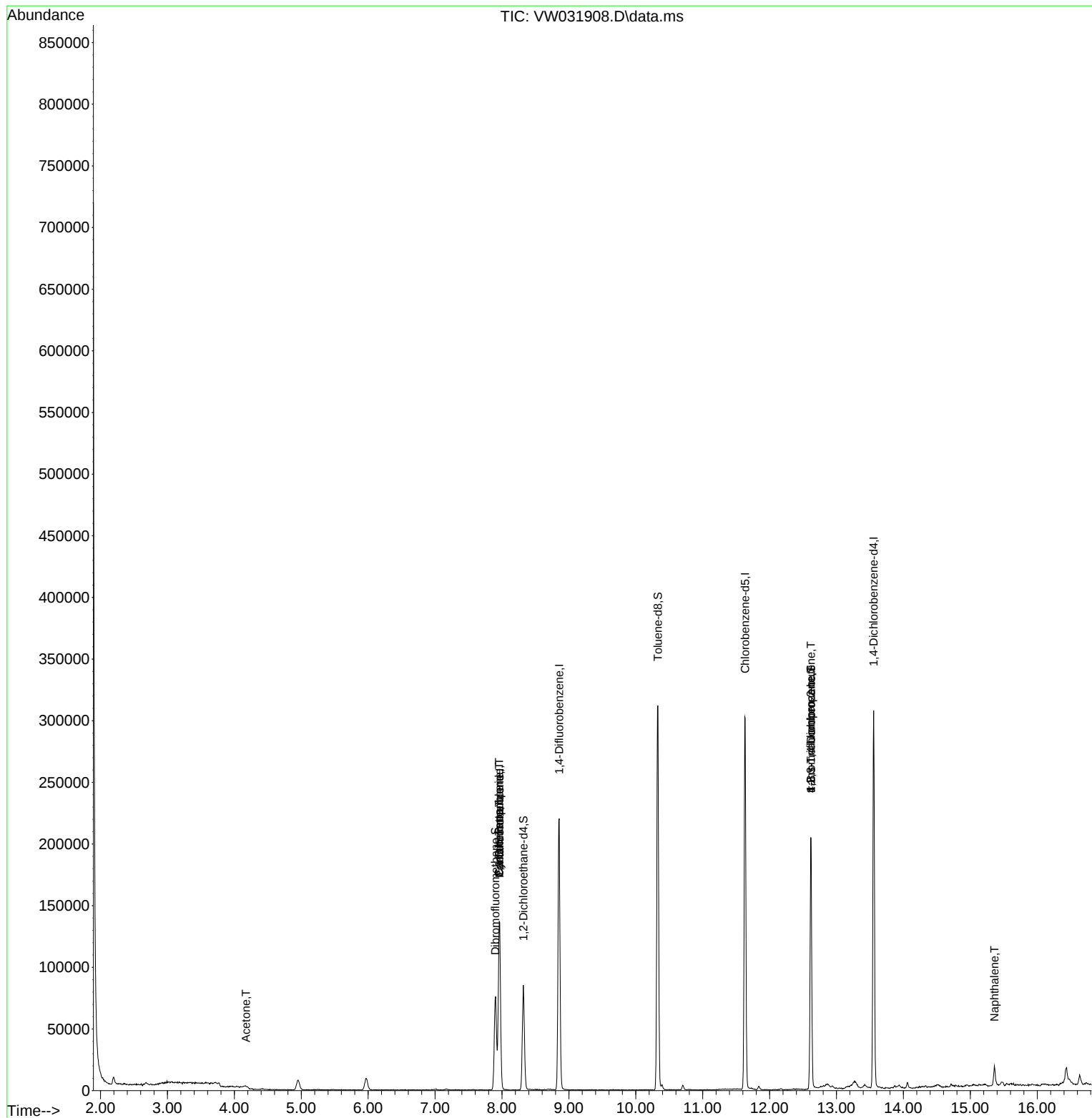
Internal Standards						
1) Pentafluorobenzene	7.965	168	93718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	188784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	167929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	76111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	66429	46.856	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.720%		
35) Dibromofluoromethane	7.898	113	56838	44.307	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	88.620%		
50) Toluene-d8	10.331	98	219503	45.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	90.420%		
62) 4-Bromofluorobenzene	12.617	95	75297	40.390	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	80.780%		
Target Compounds						
13) Acrolein	3.935	56	89	Below Cal	#	1
16) Acetone	4.173	43	1370	4.072	ug/l	91
20) Methylene Chloride	4.954	84	6331	Below Cal		97
31) Cyclohexane	7.959	56	2380	1.095	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	9311	4.726	ug/l	# 51
38) Carbon Tetrachloride	7.959	117	11273	5.962	ug/l	# 17
76) 1,2,3-Trichloropropane	12.617	75	38191	36.344	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	38191	83.908	ug/l	# 8
95) Naphthalene	15.360	128	14248	3.646	ug/l	99

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

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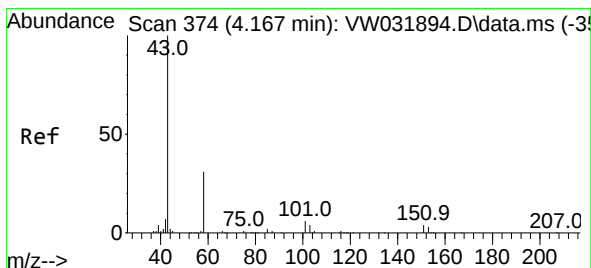
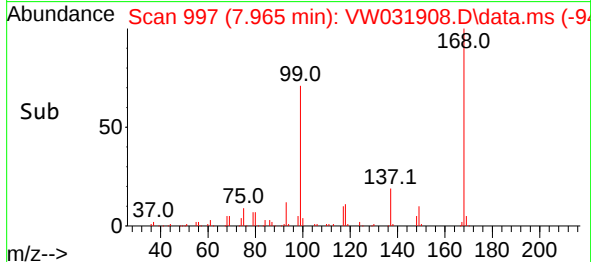
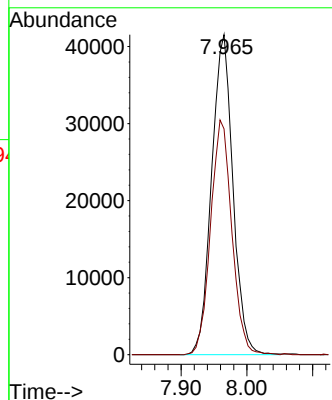
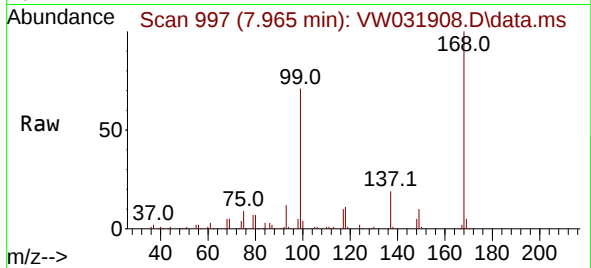




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

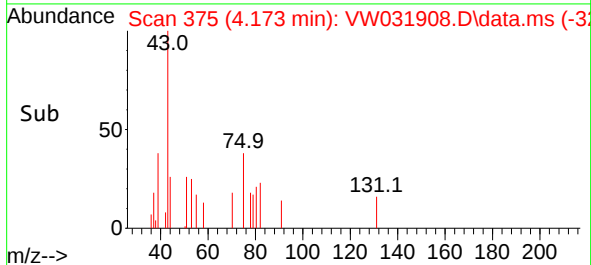
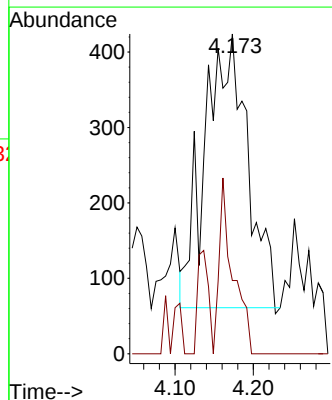
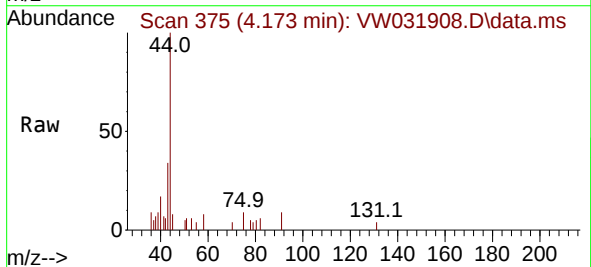
Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

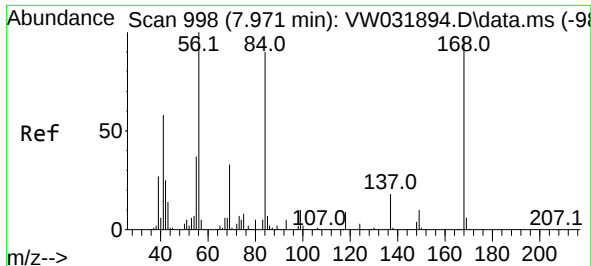
Tgt Ion:168 Resp: 93718
Ion Ratio Lower Upper
168 100
99 70.6 48.2 72.2



#16
Acetone
Concen: 4.072 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 26.7 25.5 38.3

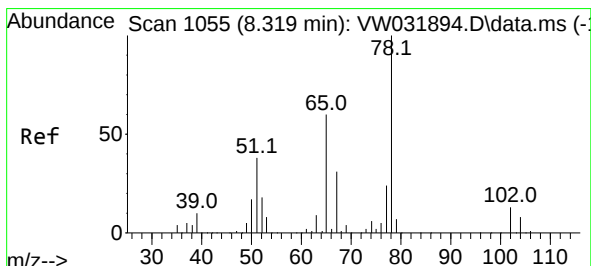
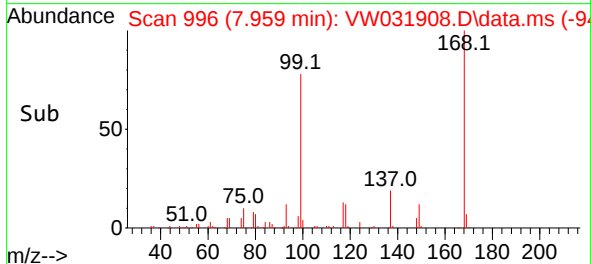
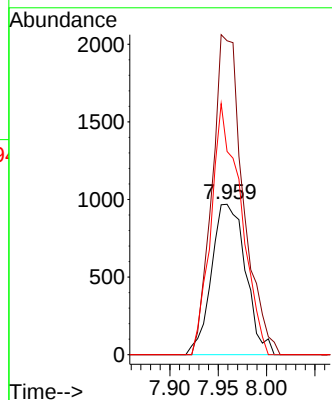
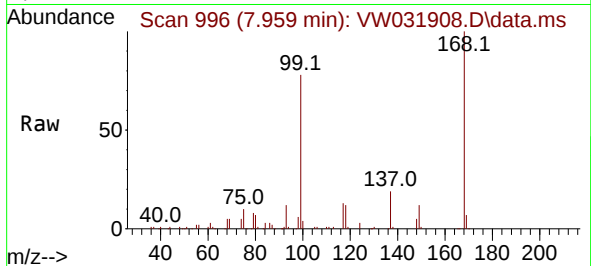




#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

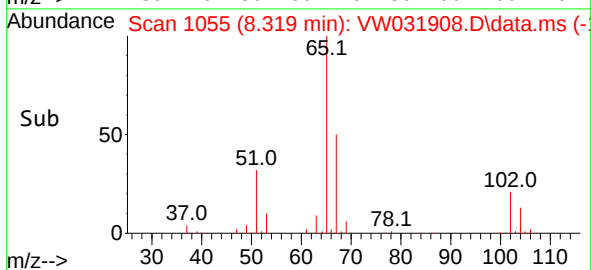
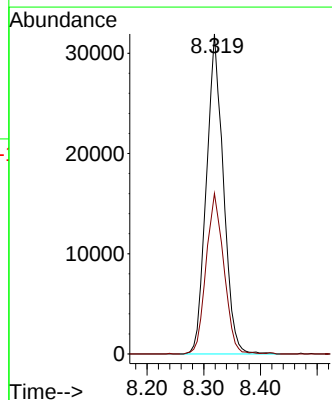
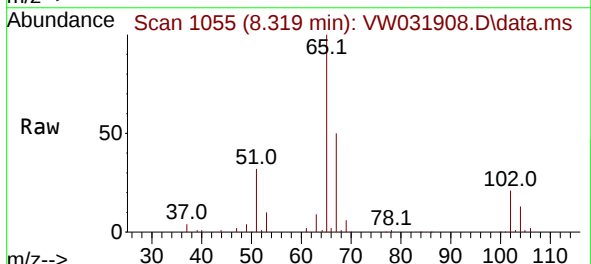
Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

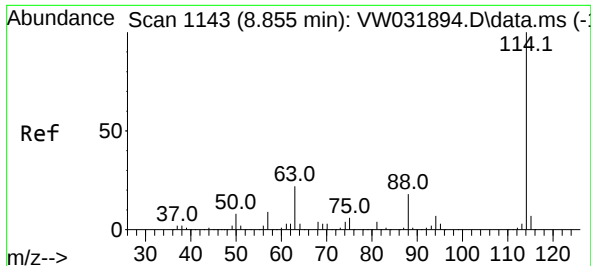
Tgt Ion: 56 Resp: 2380
Ion Ratio Lower Upper
56 100
69 208.8 26.7 40.1#
84 135.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 46.856 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion: 65 Resp: 66429
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW031908.D

Acq: 23 Jul 2025 13:19

Instrument :

MSVOA_W

ClientSampleId :

HD-01-07222025

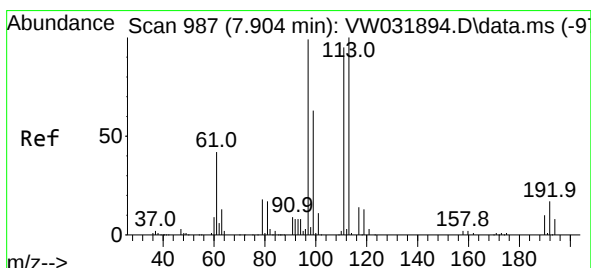
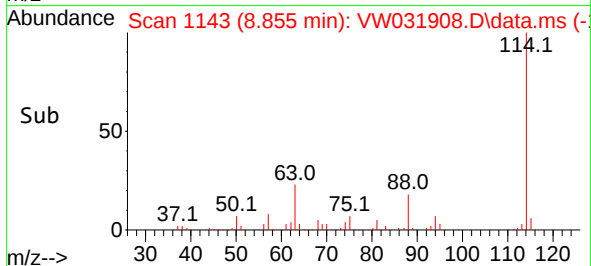
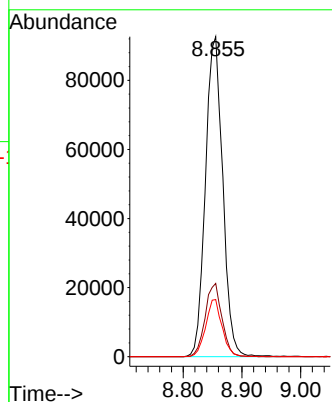
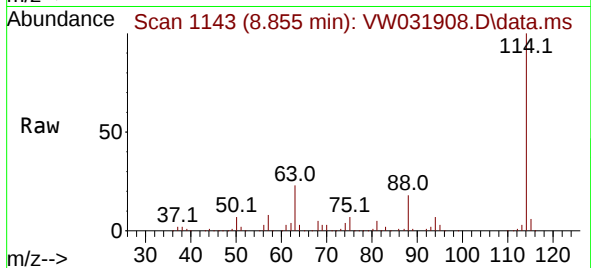
Tgt Ion:114 Resp: 188784

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

88 17.8 0.0 35.6



#35

Dibromofluoromethane

Concen: 44.307 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031908.D

Acq: 23 Jul 2025 13:19

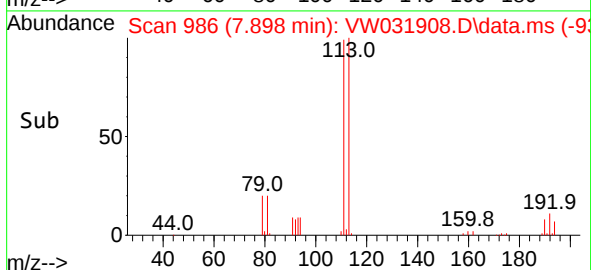
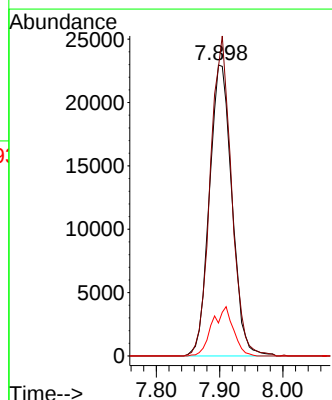
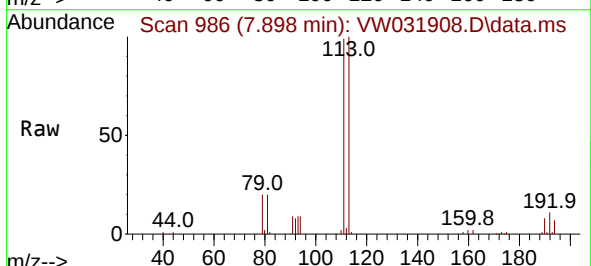
Tgt Ion:113 Resp: 56838

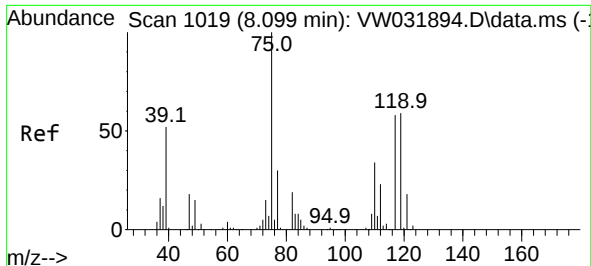
Ion Ratio Lower Upper

113 100

111 103.2 79.9 119.9

192 16.0 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.726 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW031908.D

Acq: 23 Jul 2025 13:19

Instrument :

MSVOA_W

ClientSampleId :

HD-01-07222025

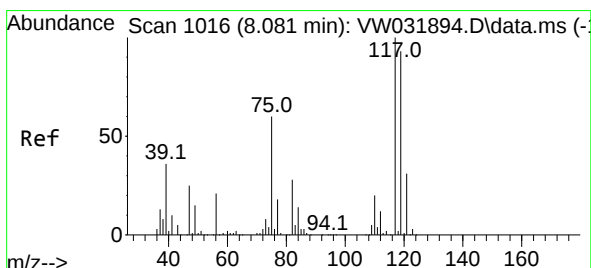
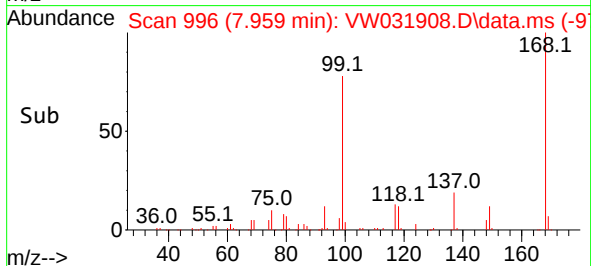
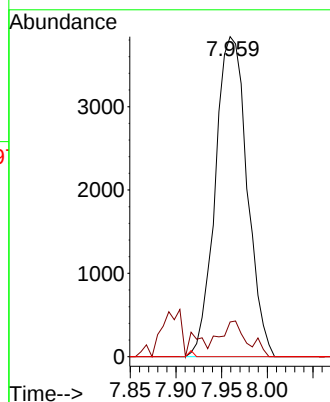
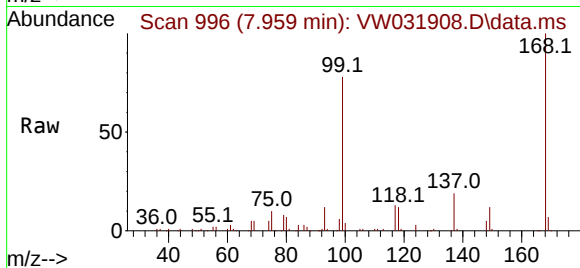
Tgt Ion: 75 Resp: 9311

Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.962 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031908.D

Acq: 23 Jul 2025 13:19

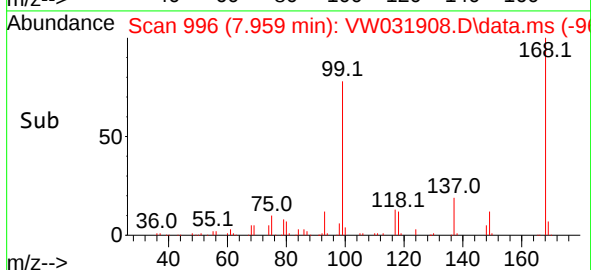
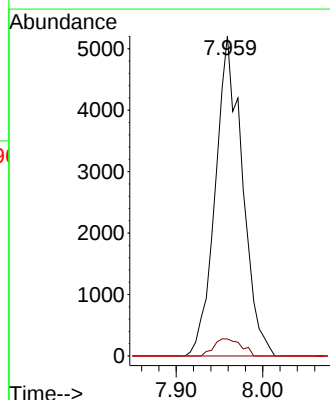
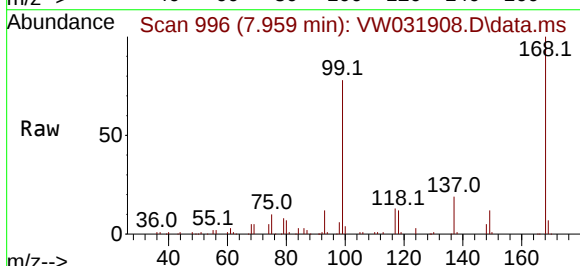
Tgt Ion: 117 Resp: 11273

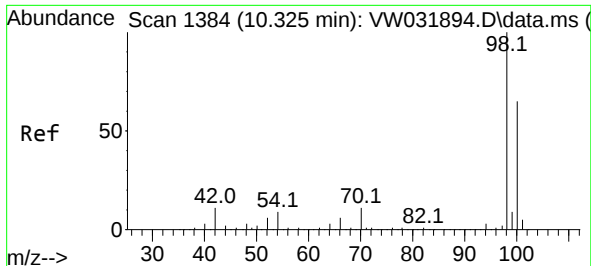
Ion Ratio Lower Upper

117 100

119 5.3 74.3 111.5#

121 0.0 24.6 37.0#

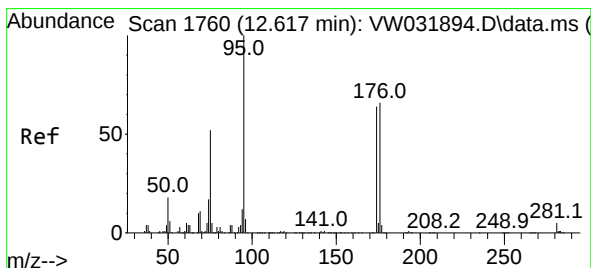
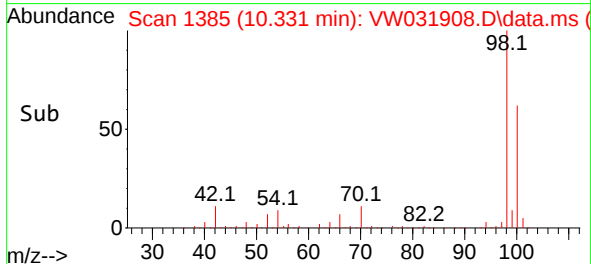
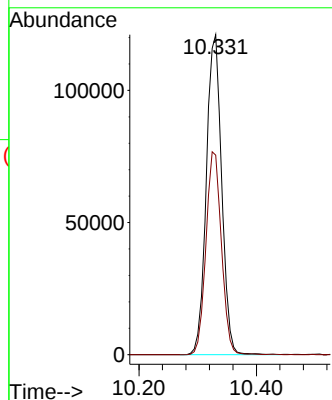
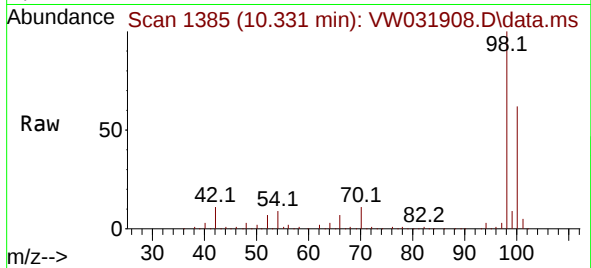




#50
Toluene-d8
Concen: 45.211 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

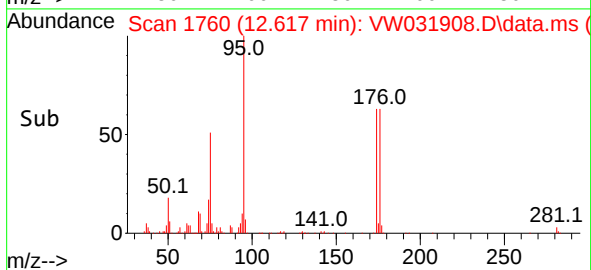
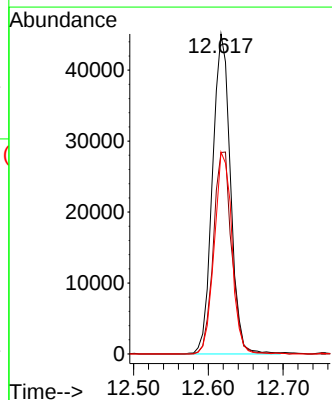
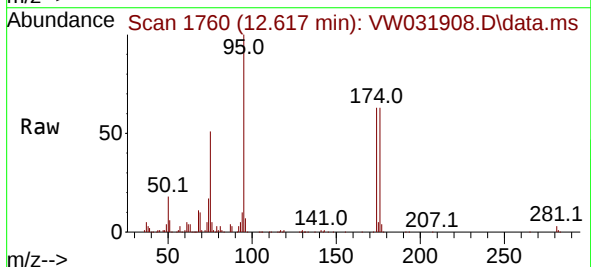
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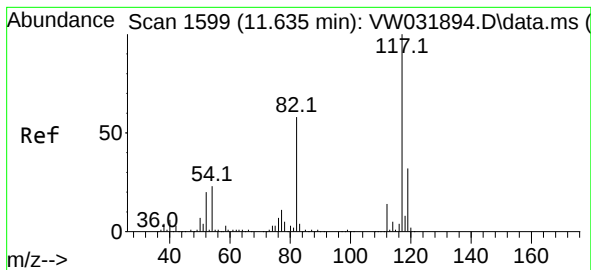
Tgt Ion: 98 Resp: 219503
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 40.390 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion: 95 Resp: 75297
Ion Ratio Lower Upper
95 100
174 64.6 0.0 129.8
176 61.7 0.0 130.4

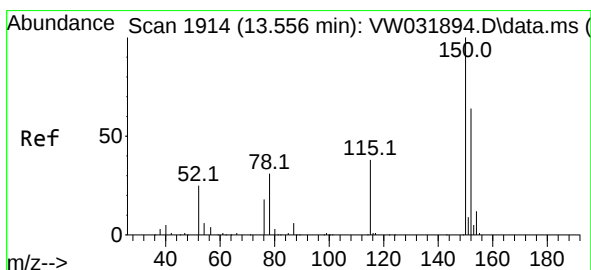
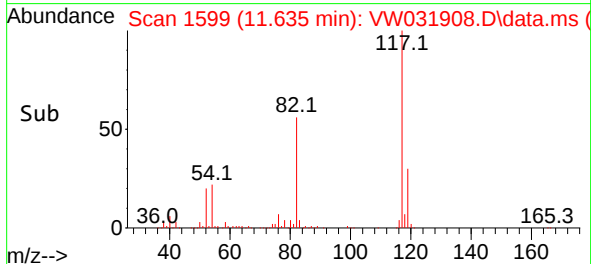
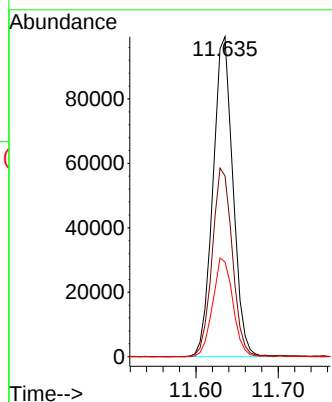
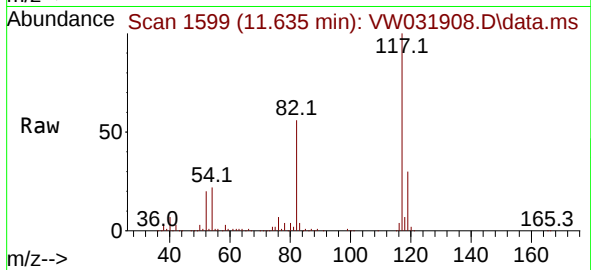




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 117
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

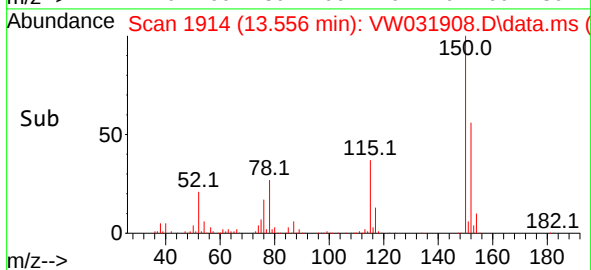
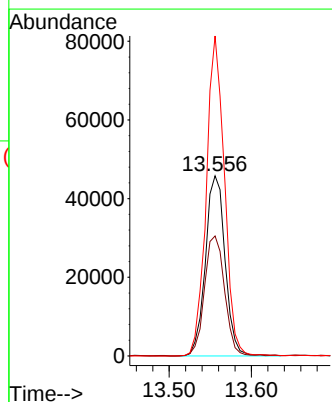
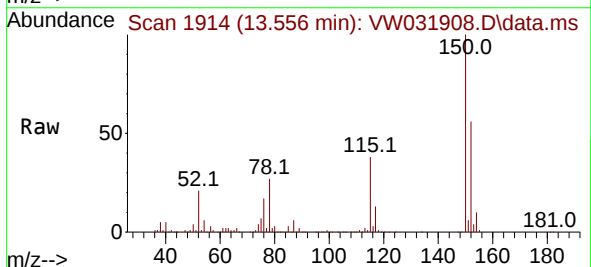
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HD-01-07222025

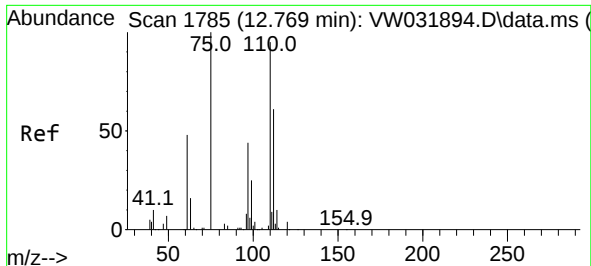
Tgt Ion:117 Resp: 167929
Ion Ratio Lower Upper
117 100
82 56.4 46.5 69.7
119 29.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion:152 Resp: 76111
Ion Ratio Lower Upper
152 100
115 68.4 33.4 100.1
150 164.0 0.0 352.2

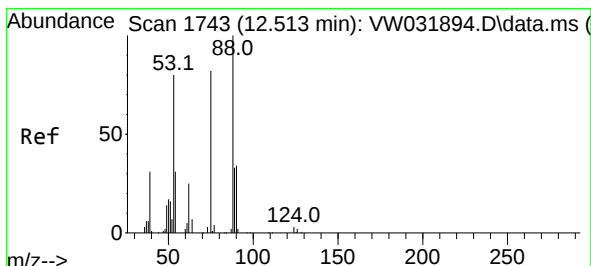
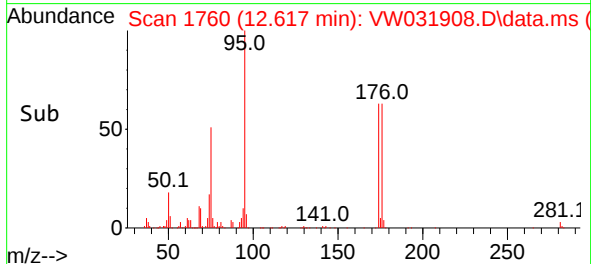
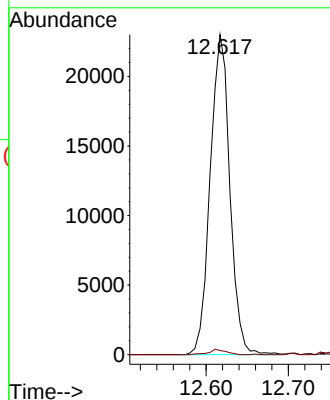
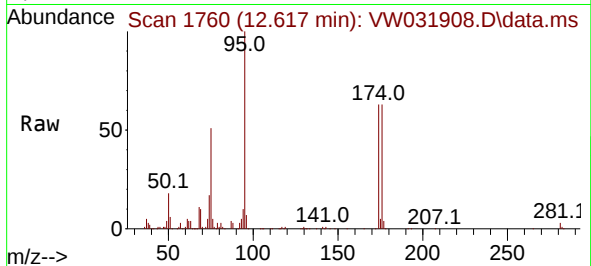




#76
1,2,3-Trichloropropane
Concen: 36.344 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

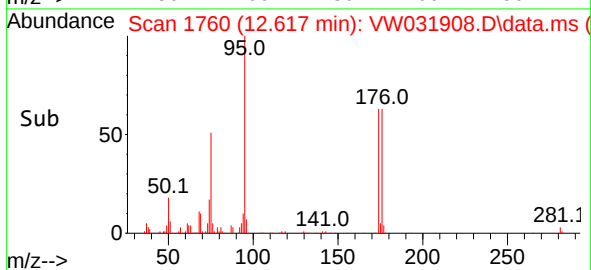
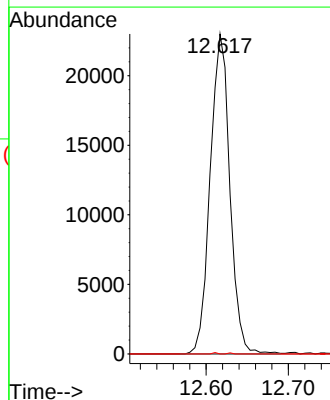
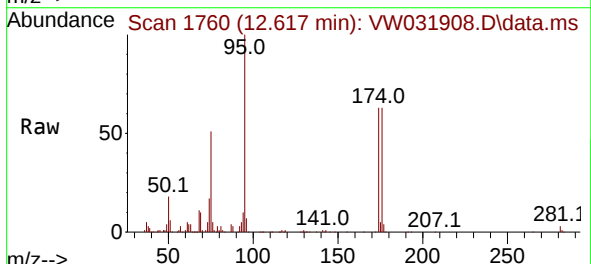
Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

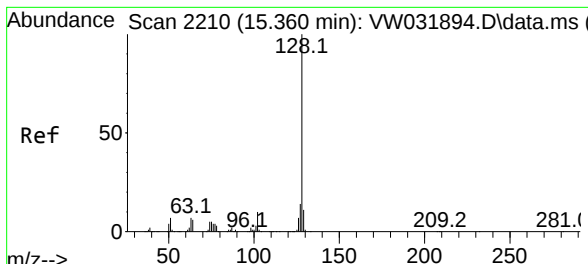
Tgt Ion: 75 Resp: 38191
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.908 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

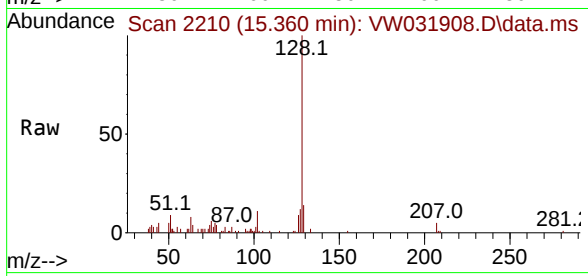
Tgt Ion: 75 Resp: 38191
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.1 39.0 58.6#





#95
 Naphthalene
 Concen: 3.646 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW031908.D
 Acq: 23 Jul 2025 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-07222025



Tgt Ion:	128	Resp:	14248
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.7	16.1
129	11.6	9.2	13.8

