

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031909.D
 Acq On : 23 Jul 2025 13:41
 Operator : SY/MD
 Sample : Q2676-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-07222025

Quant Time: Jul 24 02:52:33 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)

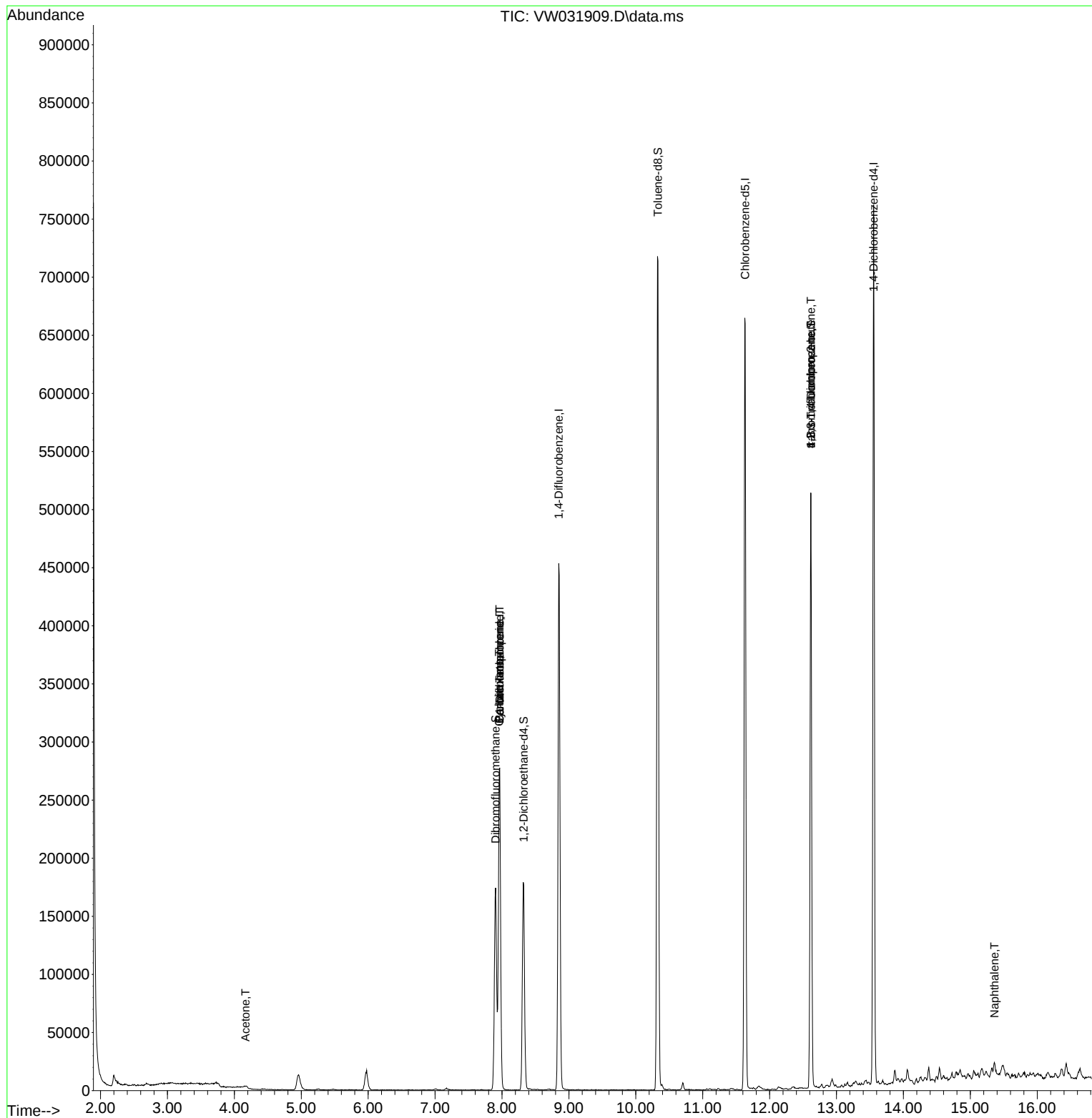
Internal Standards						
1) Pentafluorobenzene	7.965	168	191830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	387874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	365732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	186074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	152051	52.397	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 104.800%		
35) Dibromofluoromethane	7.904	113	127737	48.465	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 96.920%		
50) Toluene-d8	10.331	98	496499	49.774	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 99.540%		
62) 4-Bromofluorobenzene	12.617	95	184621	48.201	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.400%		
Target Compounds						
					Qvalue	
13) Acrolein	3.942	56	75	Below Cal	#	14
16) Acetone	4.167	43	1908	2.771	ug/l #	83
20) Methylene Chloride	4.966	84	11761	Below Cal		95
31) Cyclohexane	7.959	56	4794	1.077	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	17788	4.395	ug/l #	50
38) Carbon Tetrachloride	7.965	117	22124	5.695	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	95087	37.013	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	95087	85.452	ug/l #	8
95) Naphthalene	15.360	128	9924	1.039	ug/l #	87

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

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ALS Vial : 11 Sample Multiplier: 1

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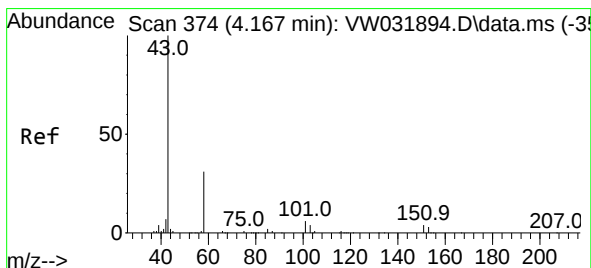
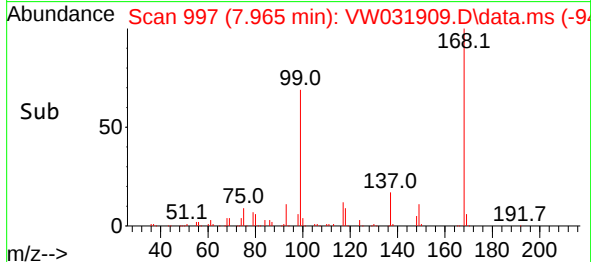
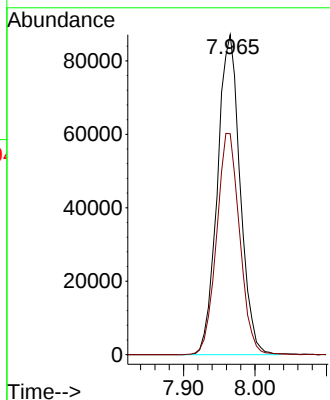
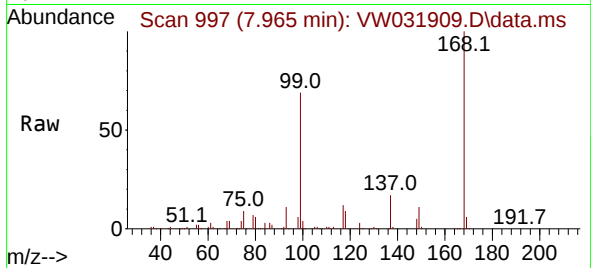




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

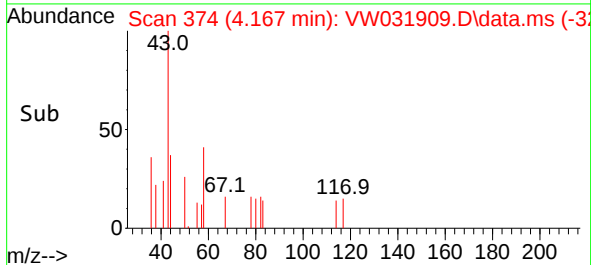
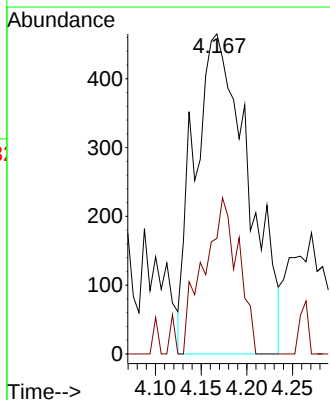
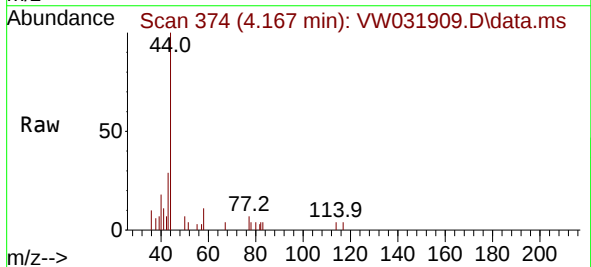
Instrument :
MSVOA_W
ClientSampleId :
HD-02-07222025

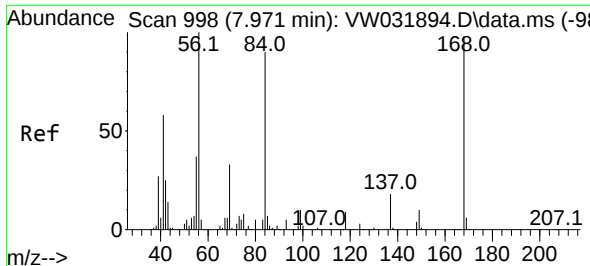
Tgt Ion:168 Resp: 191830
Ion Ratio Lower Upper
168 100
99 69.0 48.2 72.2



#16
Acetone
Concen: 2.771 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 41.6 25.5 38.3#

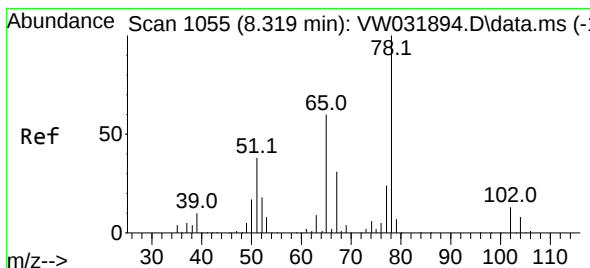
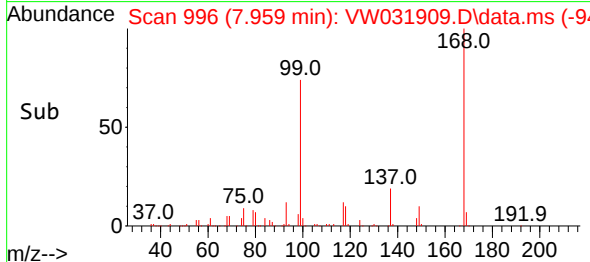
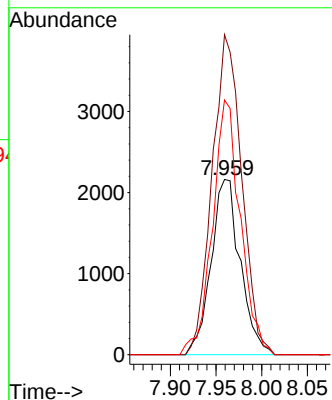
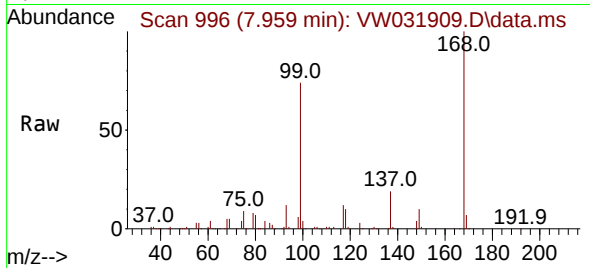




#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

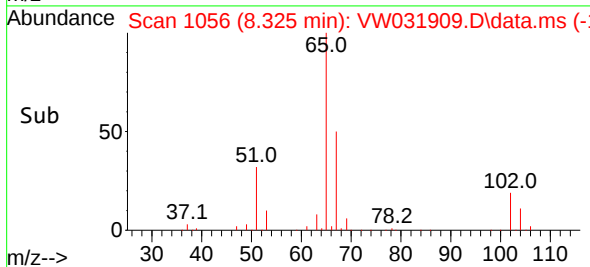
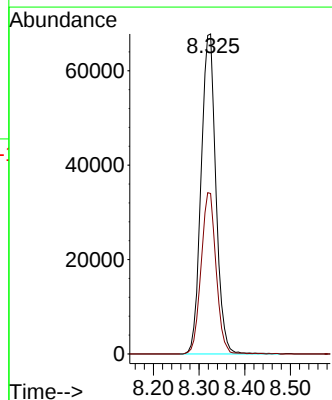
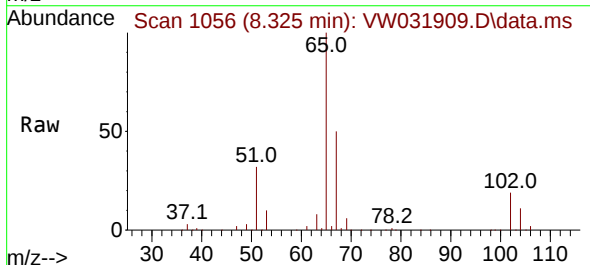
Instrument :
MSVOA_W
ClientSampleId :
HD-02-07222025

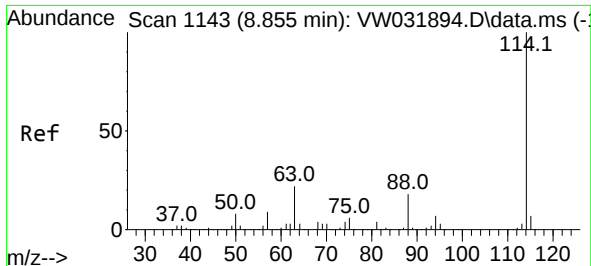
Tgt Ion: 56 Resp: 4794
Ion Ratio Lower Upper
56 100
69 182.6 26.7 40.1#
84 145.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 52.397 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

Tgt Ion: 65 Resp: 152051
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031909.D

Acq: 23 Jul 2025 13:41

Instrument :

MSVOA_W

ClientSampleId :

HD-02-07222025

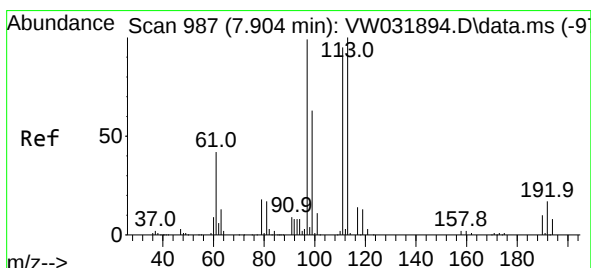
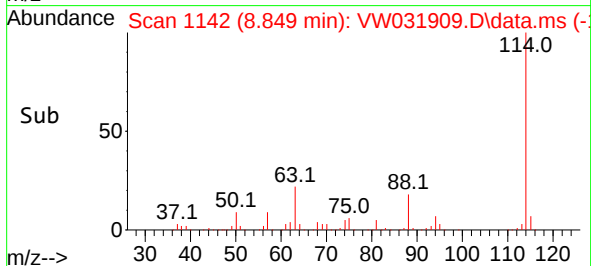
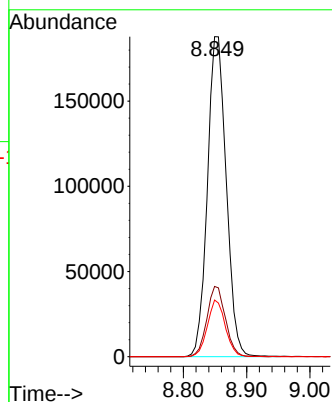
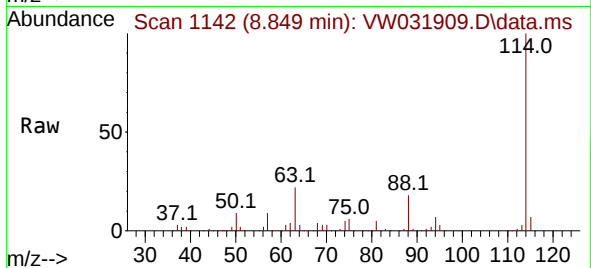
Tgt Ion:114 Resp: 387874

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

88 17.7 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.465 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031909.D

Acq: 23 Jul 2025 13:41

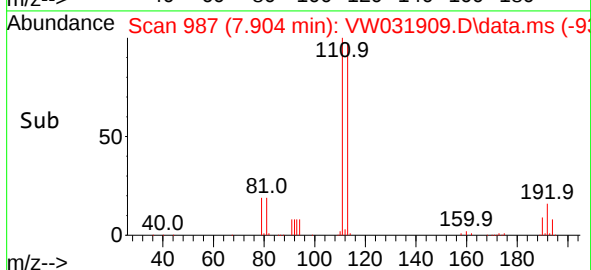
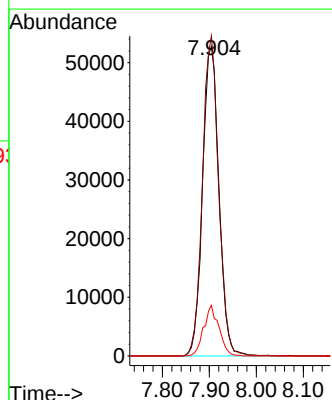
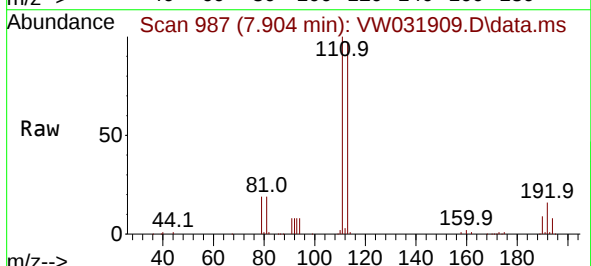
Tgt Ion:113 Resp: 127737

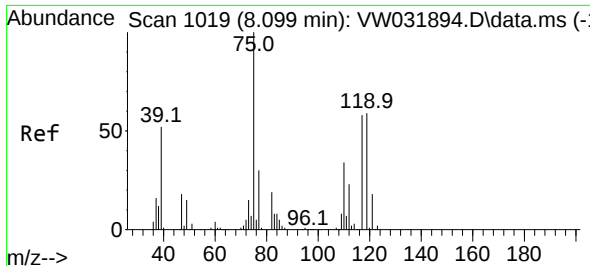
Ion Ratio Lower Upper

113 100

111 101.8 79.9 119.9

192 15.2 12.6 19.0

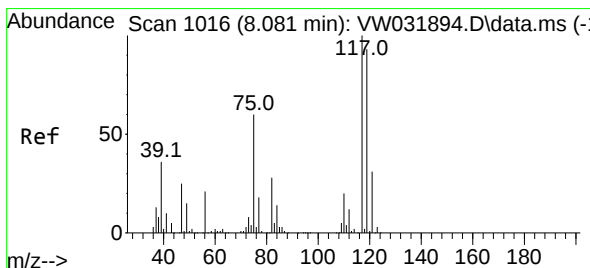
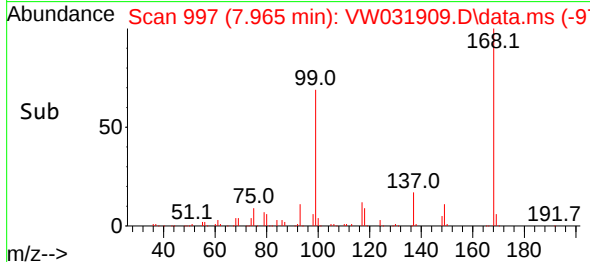
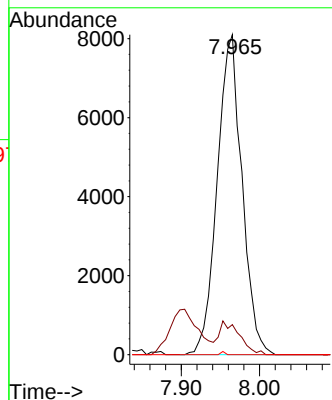
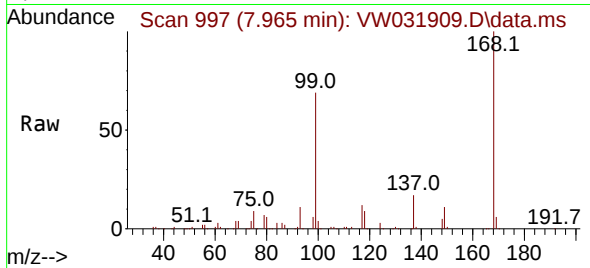




#36
 1,1-Dichloropropene
 Concen: 4.395 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW031909.D
 Acq: 23 Jul 2025 13:41

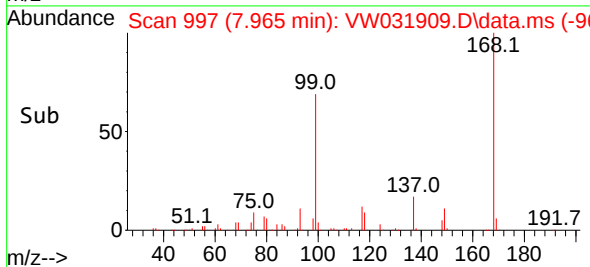
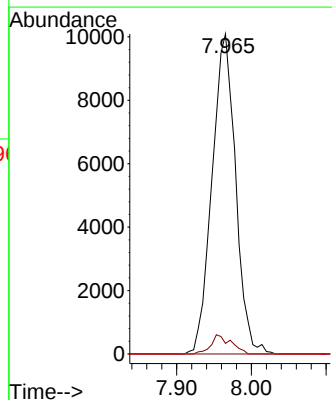
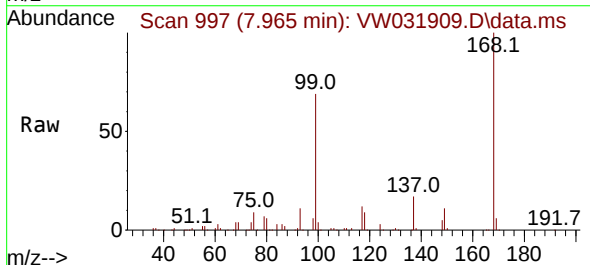
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-07222025

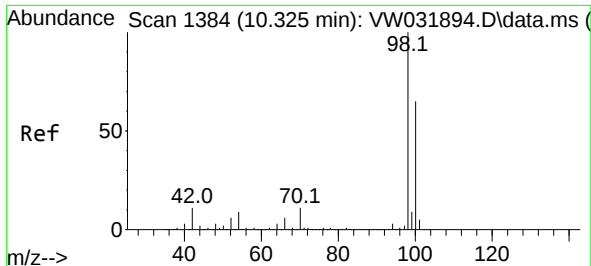
Tgt Ion: 75 Resp: 17788
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 50.9#
 77 0.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.695 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW031909.D
 Acq: 23 Jul 2025 13:41

Tgt Ion: 117 Resp: 22124
 Ion Ratio Lower Upper
 117 100
 119 3.3 74.3 111.5#
 121 0.0 24.6 37.0#

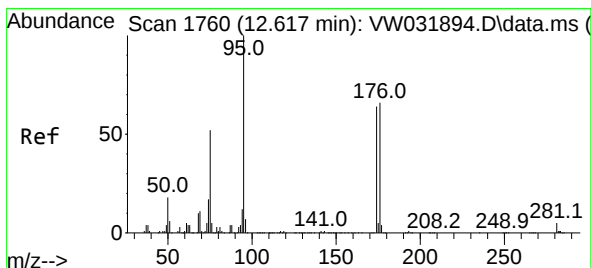
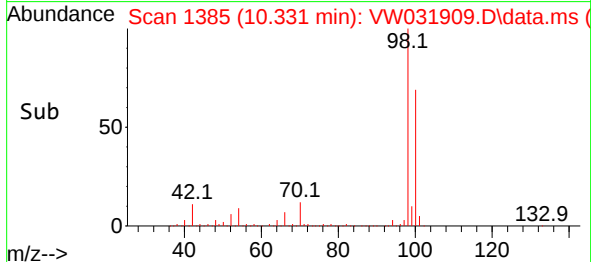
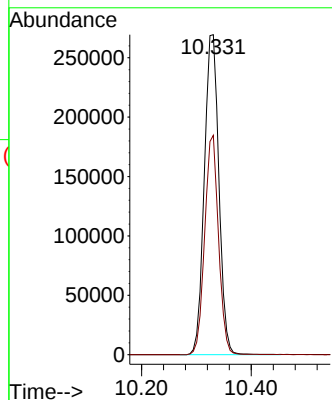
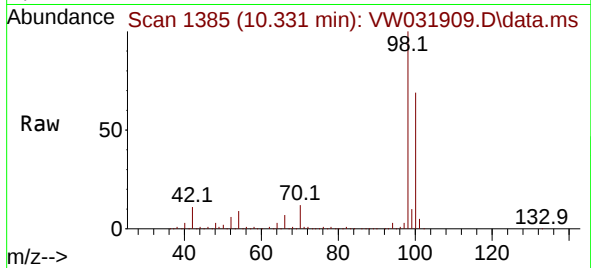




#50
Toluene-d8
Concen: 49.774 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

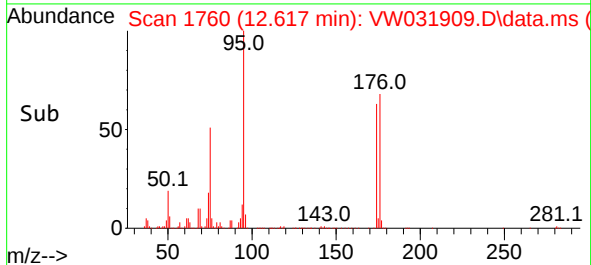
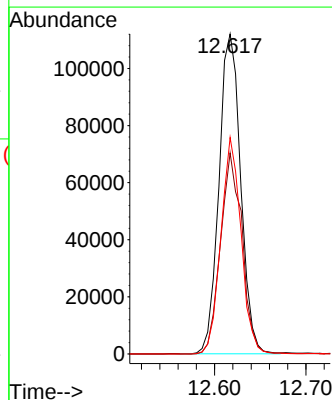
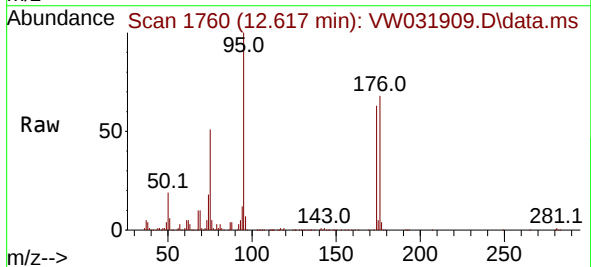
Instrument :
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ClientSampleId :
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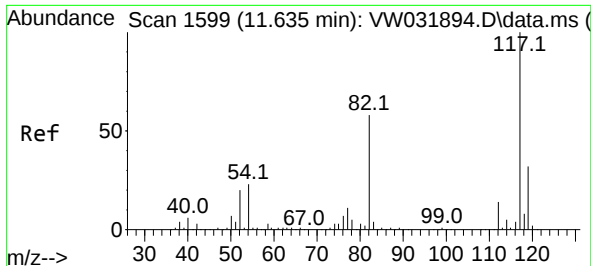
Tgt Ion: 98 Resp: 496499
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.201 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

Tgt Ion: 95 Resp: 184621
Ion Ratio Lower Upper
95 100
174 62.7 0.0 129.8
176 63.1 0.0 130.4

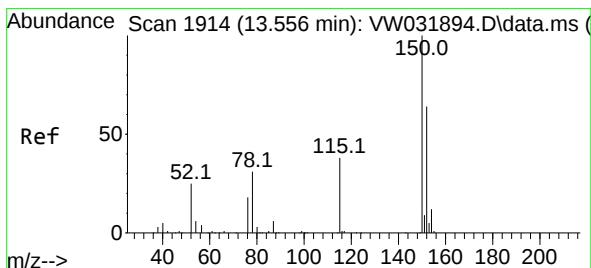
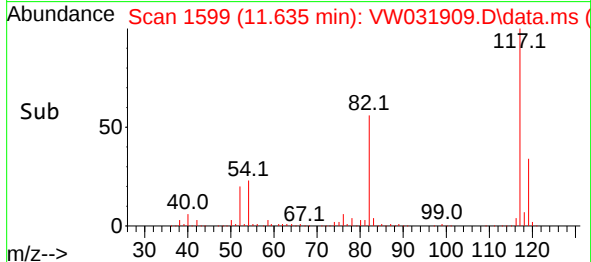
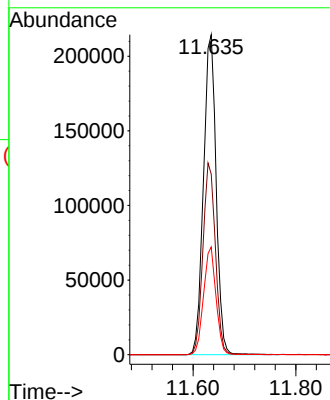
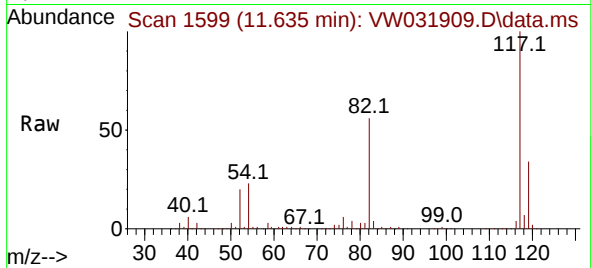




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

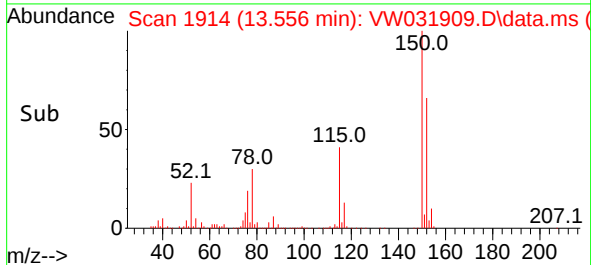
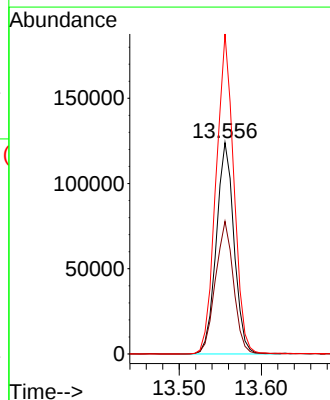
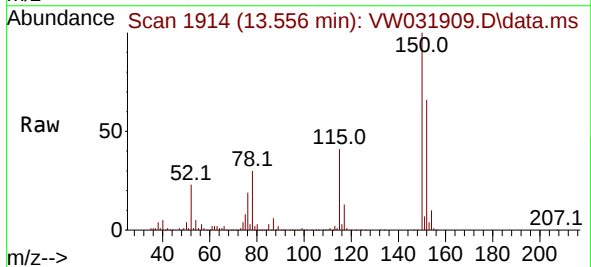
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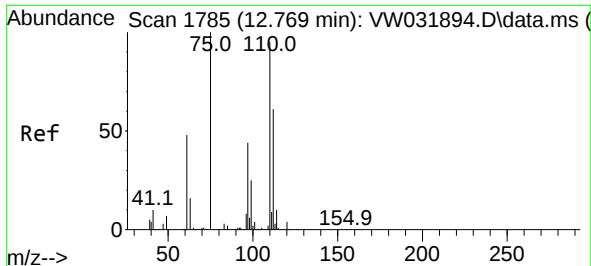
Tgt Ion:117 Resp: 365732
Ion Ratio Lower Upper
117 100
82 56.4 46.5 69.7
119 33.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

Tgt Ion:152 Resp: 186074
Ion Ratio Lower Upper
152 100
115 64.2 33.4 100.1
150 152.1 0.0 352.2

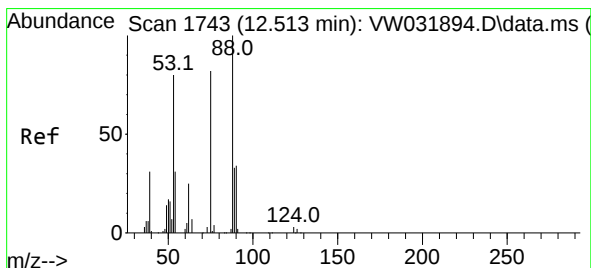
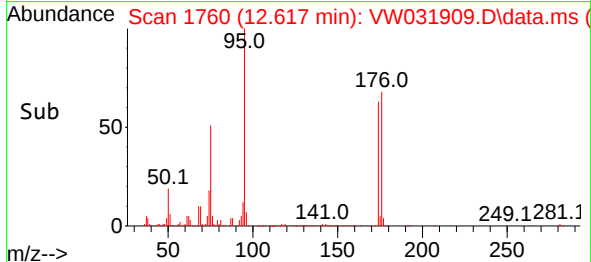
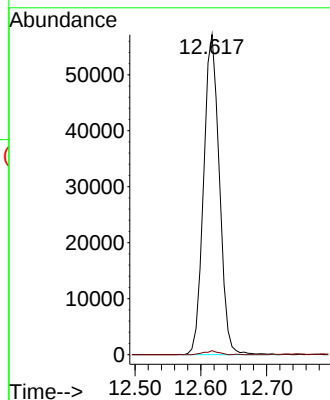
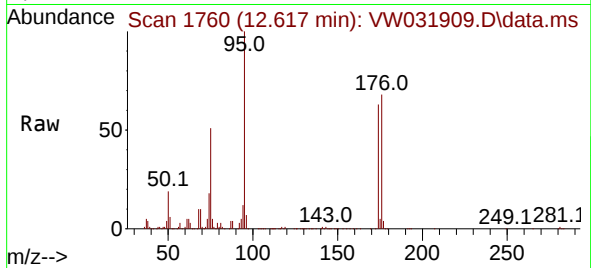




#76
1,2,3-Trichloropropane
Concen: 37.013 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

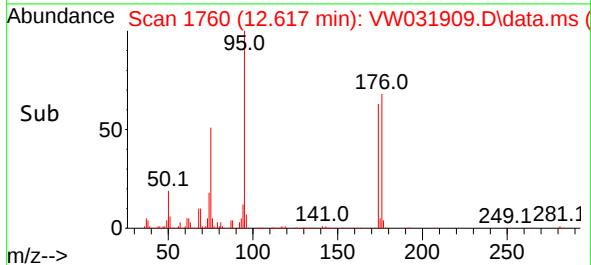
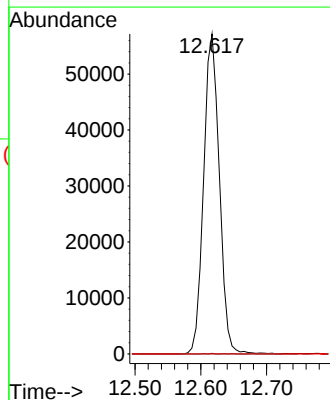
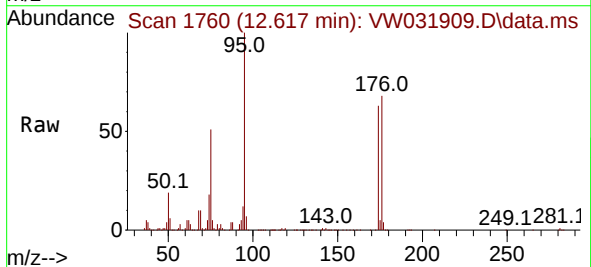
Instrument :
MSVOA_W
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HD-02-07222025

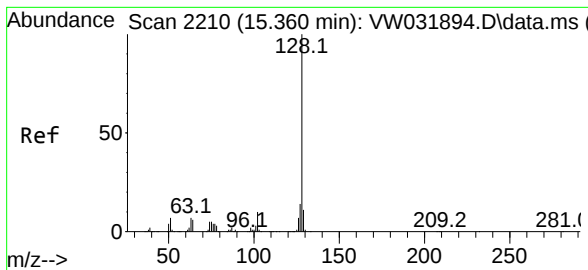
Tgt Ion: 75 Resp: 95087
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.452 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031909.D
Acq: 23 Jul 2025 13:41

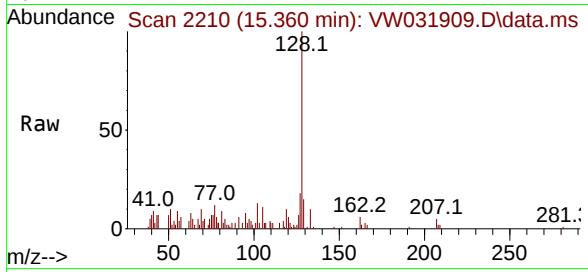
Tgt Ion: 75 Resp: 95087
Ion Ratio Lower Upper
75 100
53 0.1 83.7 125.5#
89 0.0 39.0 58.6#





#95
 Naphthalene
 Concen: 1.039 ug/l
 RT: 15.360 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW031909.D
 Acq: 23 Jul 2025 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-07222025



Tgt Ion:	128	Resp:	9924
Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.7	16.1#
129	16.0	9.2	13.8#

