

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031874.D
 Acq On : 16 Jul 2025 14:53
 Operator : SY/MD
 Sample : Q2618-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

Quant Time: Jul 17 04:04:18 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)

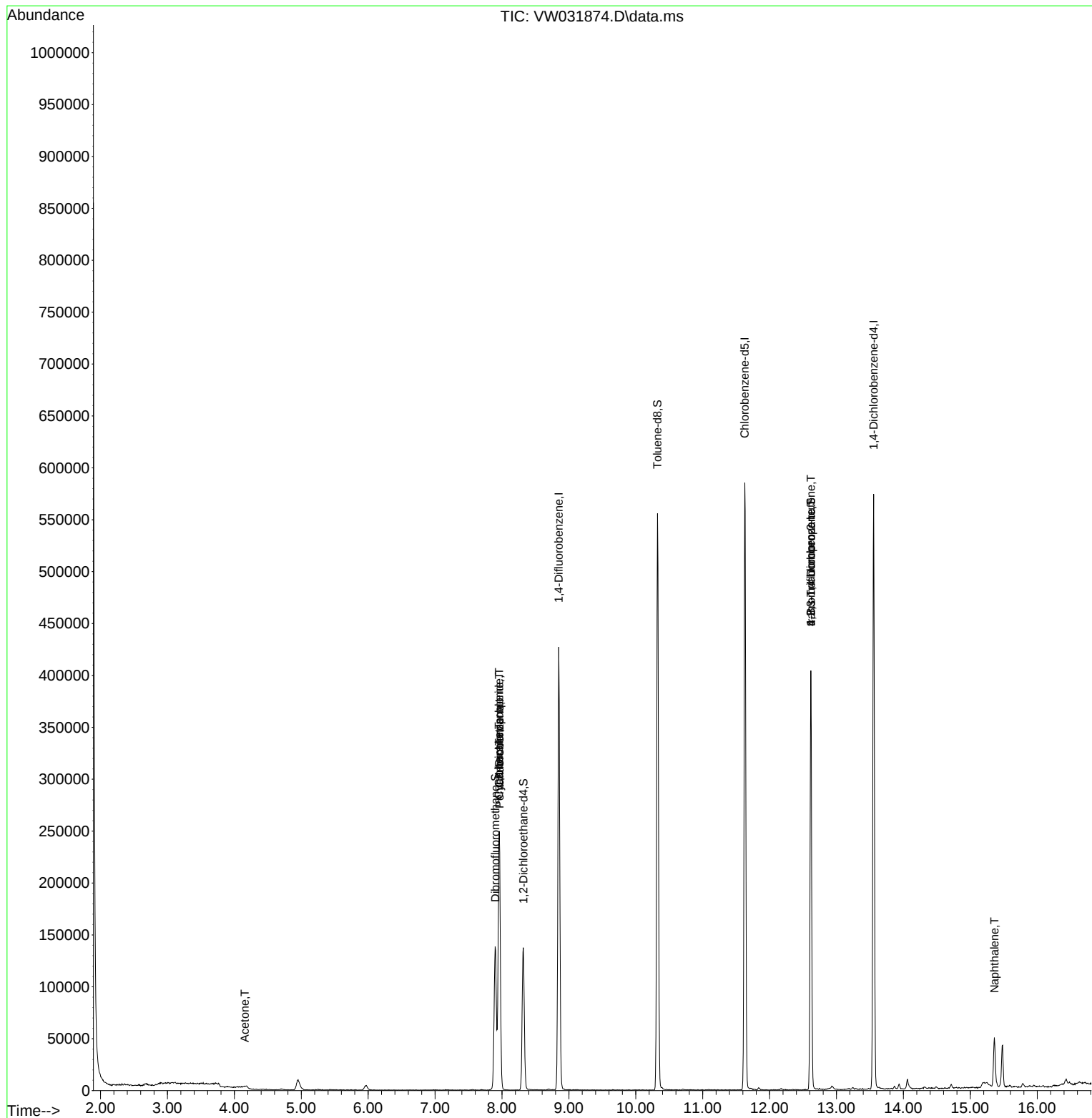
Internal Standards						
1) Pentafluorobenzene	7.965	168	170339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	346398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	314446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	139848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116395	47.614	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	95.220%	
35) Dibromofluoromethane	7.898	113	103308	45.703	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	91.400%	
50) Toluene-d8	10.325	98	371798	44.199	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	88.400%	
62) 4-Bromofluorobenzene	12.617	95	144574	46.704	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	93.400%	
Target Compounds						
					Qvalue	
16) Acetone	4.155	43	2534	4.194	ug/l	90
20) Methylene Chloride	4.948	84	8898	Below Cal		88
31) Cyclohexane	7.953	56	4359	1.252	ug/l #	17
36) 1,1-Dichloropropene	7.959	75	16583	5.070	ug/l #	49
38) Carbon Tetrachloride	7.959	117	20498	6.150	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	74844	41.414	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	74844	96.459	ug/l #	8
95) Naphthalene	15.360	128	42550	6.471	ug/l	99

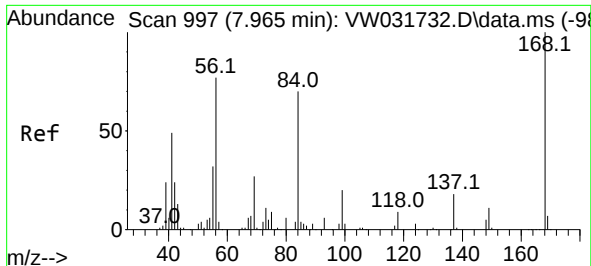
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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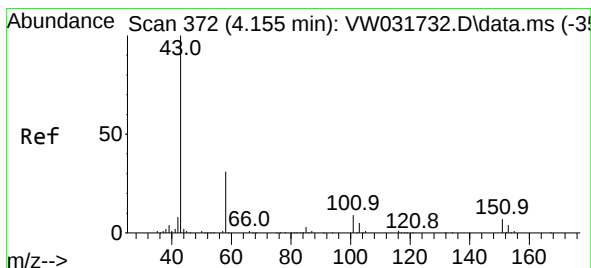
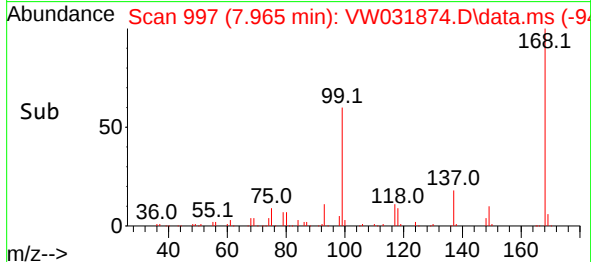
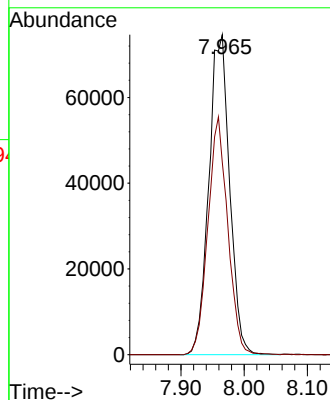
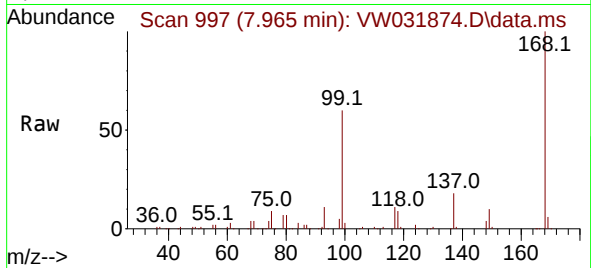




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

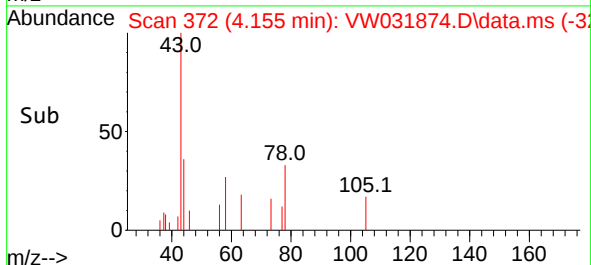
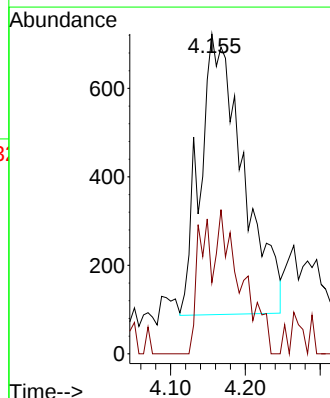
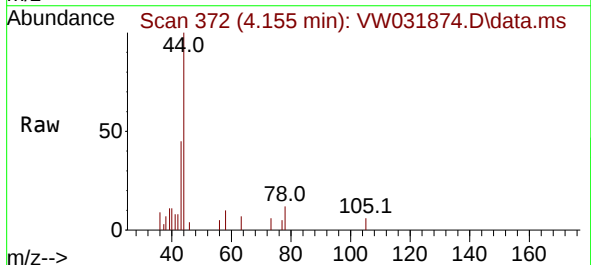
Instrument :
MSVOA_W
ClientSampleId :
VOC

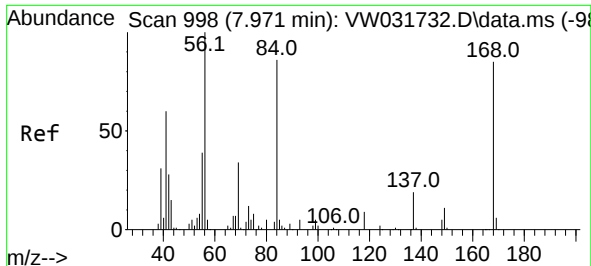
Tgt Ion:168 Resp: 170339
Ion Ratio Lower Upper
168 100
99 60.1 49.4 74.2



#16
Acetone
Concen: 4.194 ug/l
RT: 4.155 min Scan# 372
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Tgt Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
58 25.5 24.8 37.2

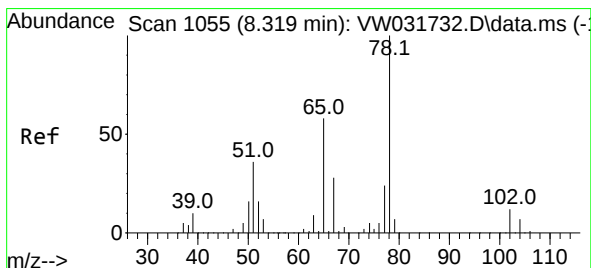
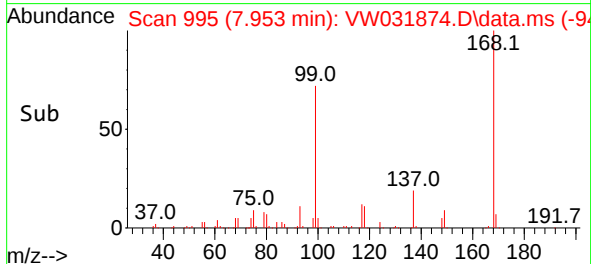
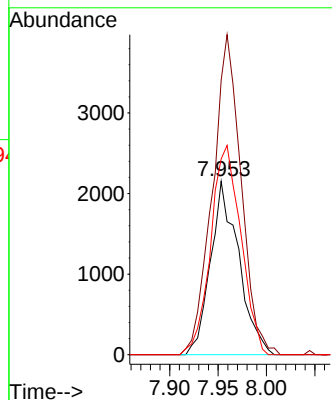
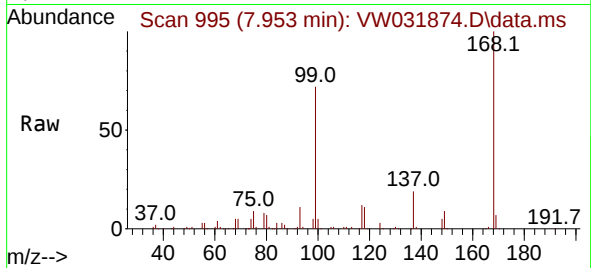




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

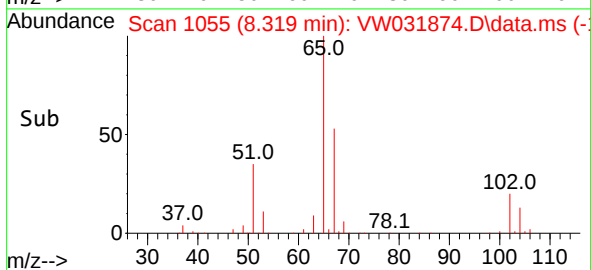
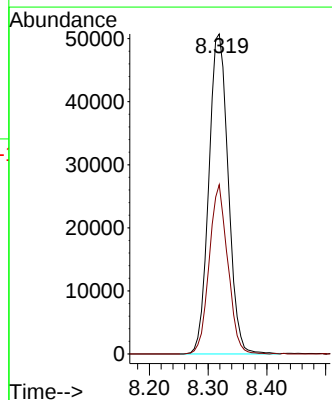
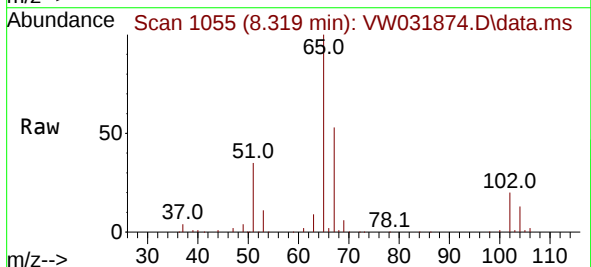
Instrument :
MSVOA_W
ClientSampleId :
VOC

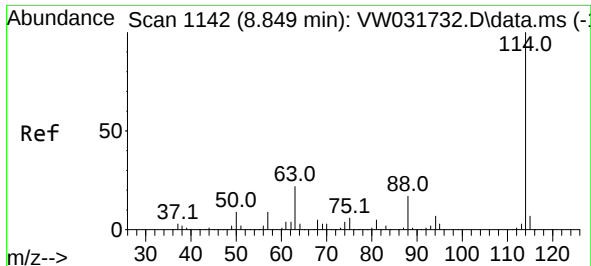
Tgt Ion: 56 Resp: 4359
Ion Ratio Lower Upper
56 100
69 158.3 27.2 40.8#
84 112.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.614 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Tgt Ion: 65 Resp: 116395
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031874.D

Acq: 16 Jul 2025 14:53

Instrument :

MSVOA_W

ClientSampleId :

VOC

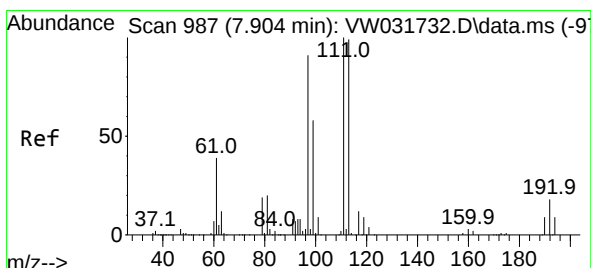
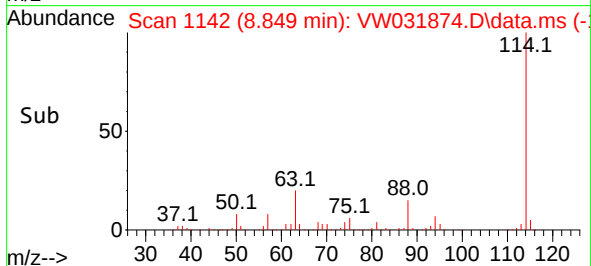
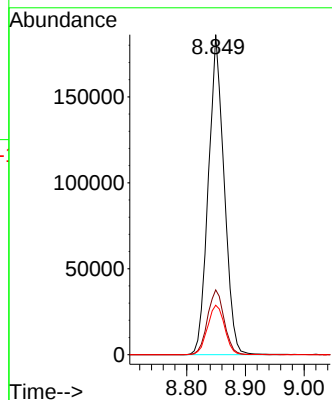
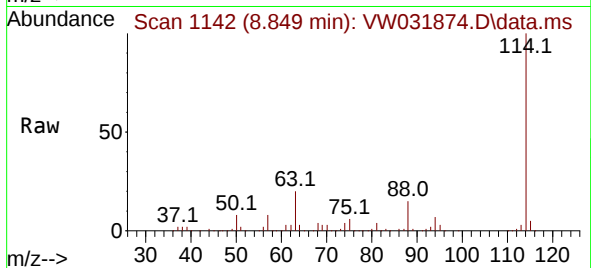
Tgt Ion:114 Resp: 346398

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.6

88 15.5 0.0 34.2



#35

Dibromofluoromethane

Concen: 45.703 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031874.D

Acq: 16 Jul 2025 14:53

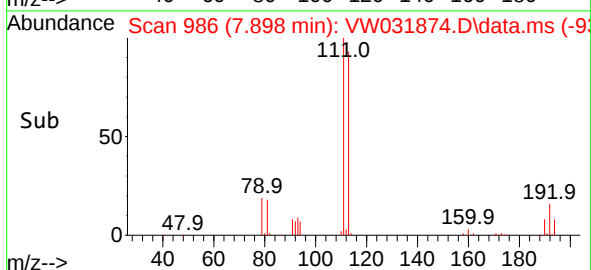
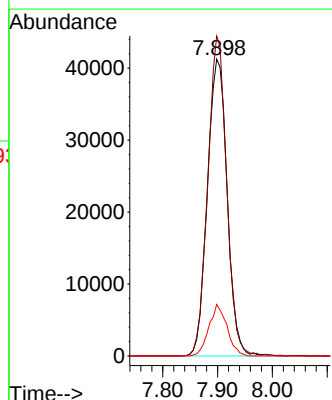
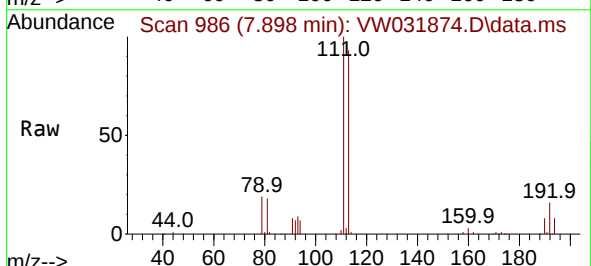
Tgt Ion:113 Resp: 103308

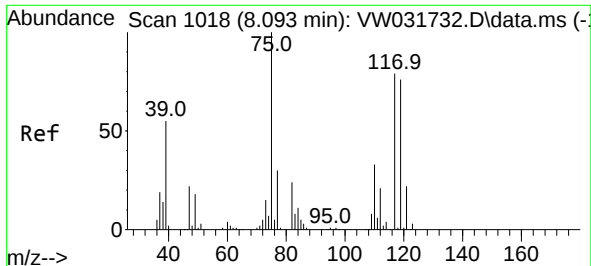
Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

192 15.9 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.070 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

Lab File: VW031874.D

Acq: 16 Jul 2025 14:53

Instrument :

MSVOA_W

ClientSampleId :

VOC

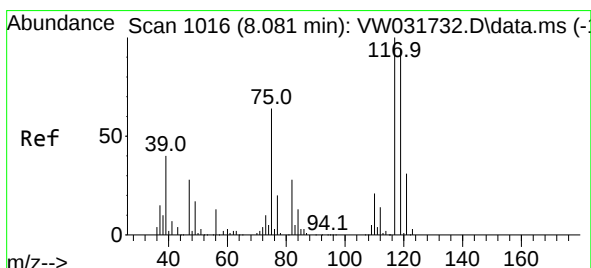
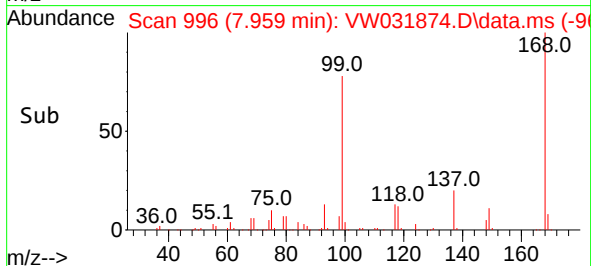
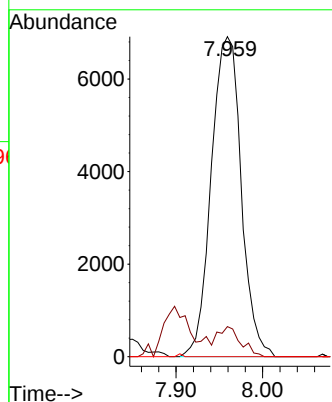
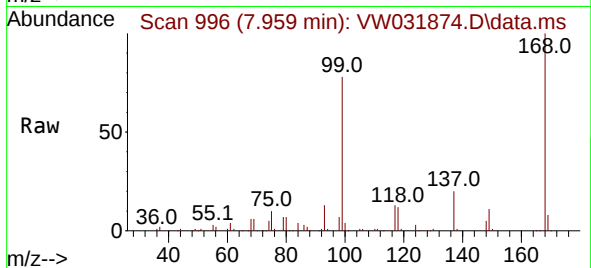
Tgt Ion: 75 Resp: 16583

Ion Ratio Lower Upper

75 100

110 7.2 16.8 50.4#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.150 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031874.D

Acq: 16 Jul 2025 14:53

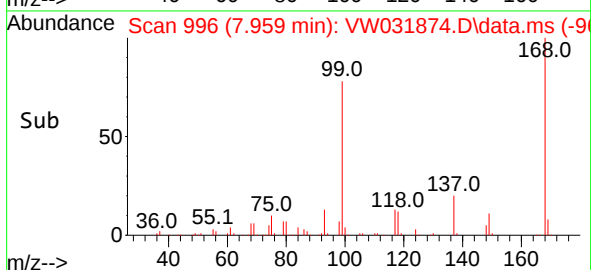
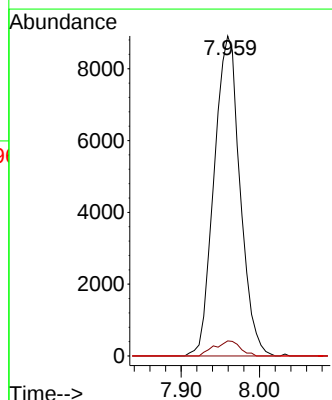
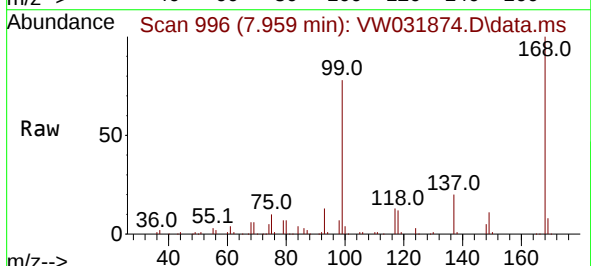
Tgt Ion: 117 Resp: 20498

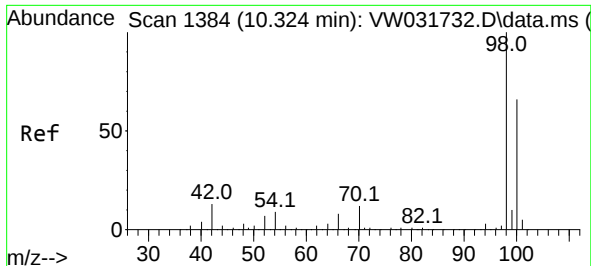
Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

121 0.0 24.6 37.0#

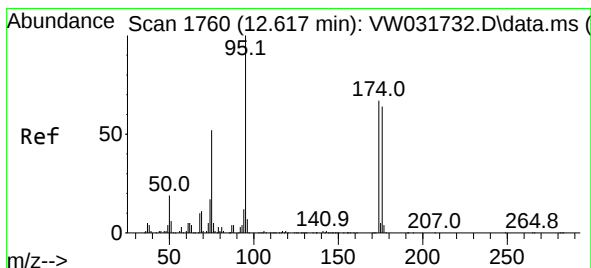
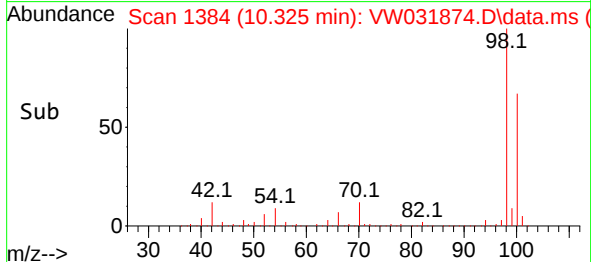
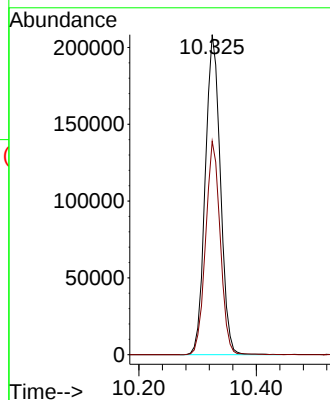
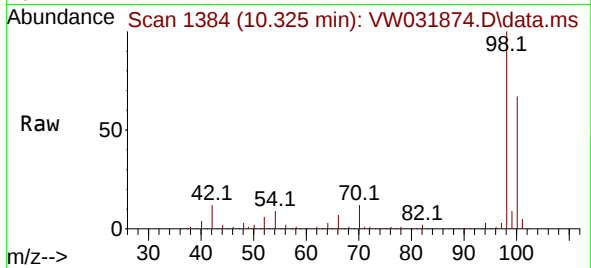




#50
Toluene-d8
Concen: 44.199 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

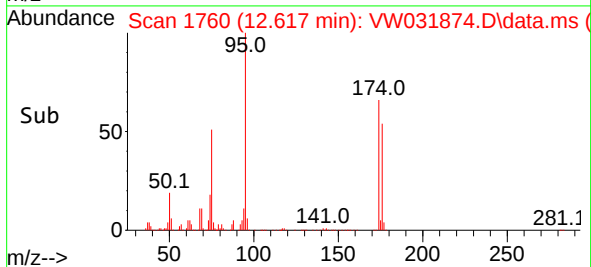
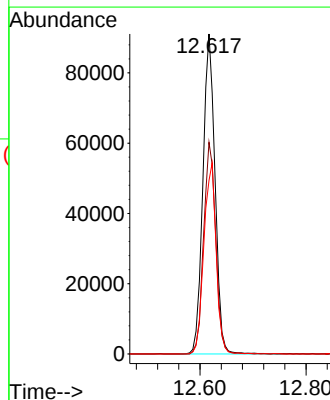
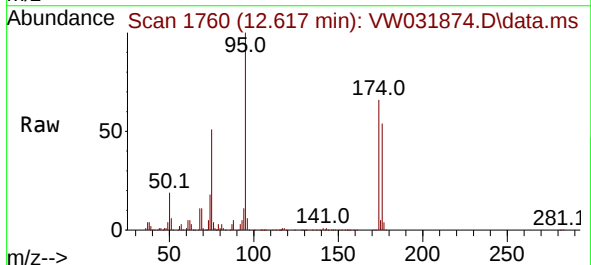
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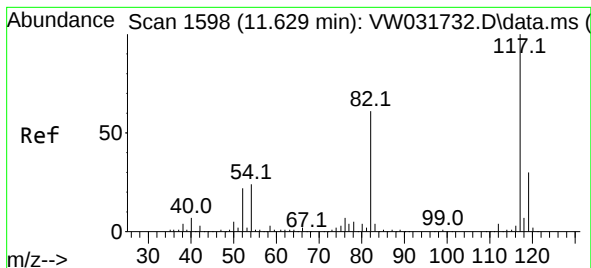
Tgt Ion: 98 Resp: 371798
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.704 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Tgt Ion: 95 Resp: 144574
Ion Ratio Lower Upper
95 100
174 65.9 0.0 133.8
176 60.5 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: VW031874.D

Acq: 16 Jul 2025 14:53

Instrument :

MSVOA_W

ClientSampleId :

VOC

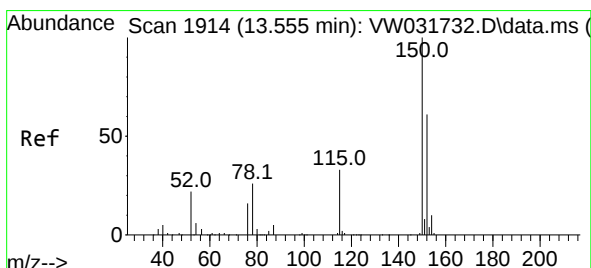
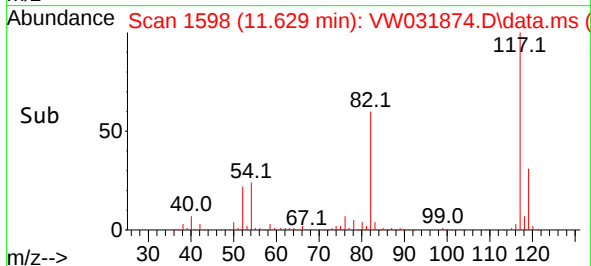
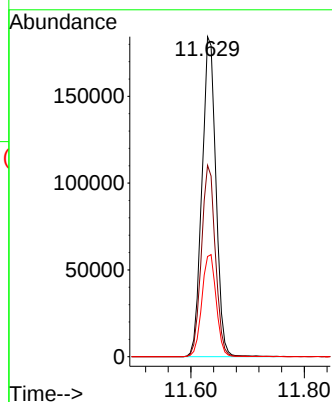
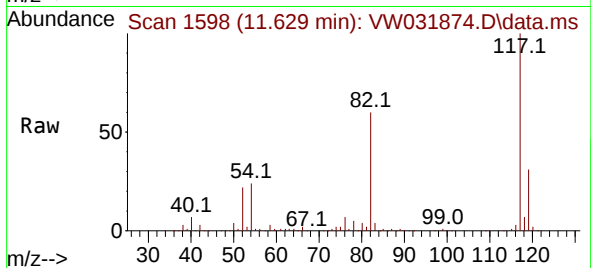
Tgt Ion:117 Resp: 314446

Ion Ratio Lower Upper

117 100

82 59.8 48.6 72.8

119 31.3 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: VW031874.D

Acq: 16 Jul 2025 14:53

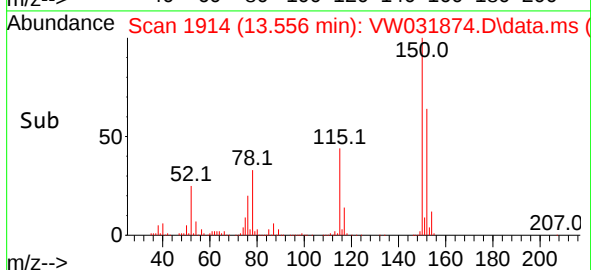
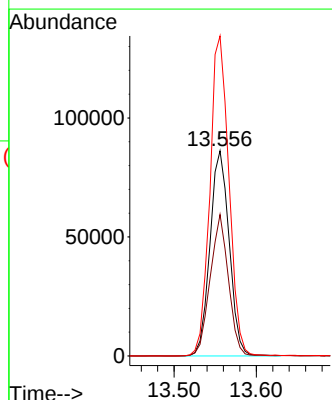
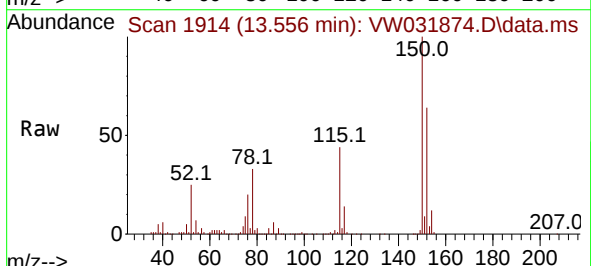
Tgt Ion:152 Resp: 139848

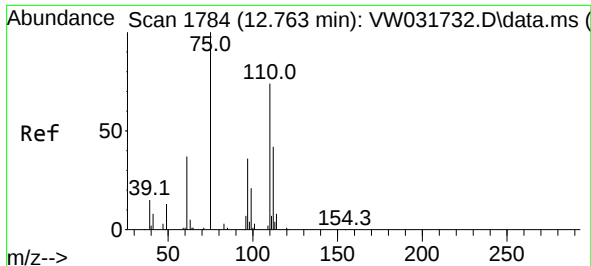
Ion Ratio Lower Upper

152 100

115 65.7 31.9 95.7

150 154.7 0.0 356.4

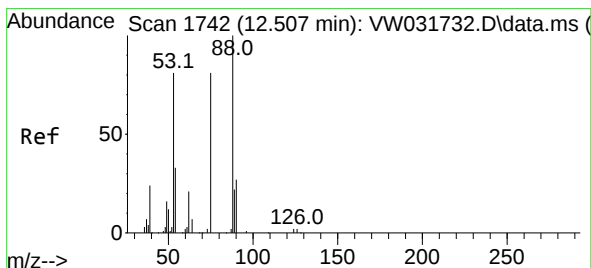
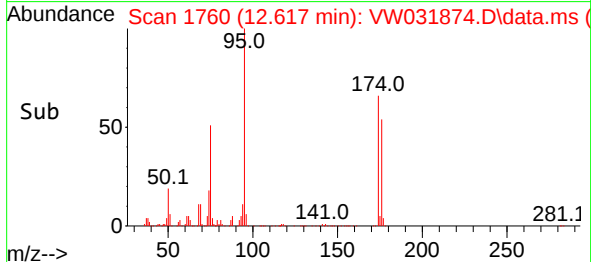
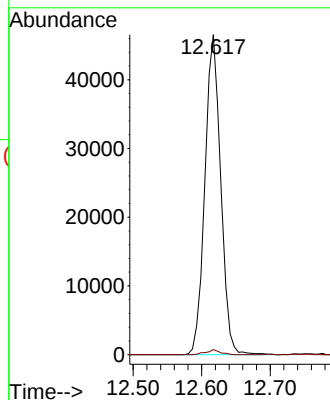
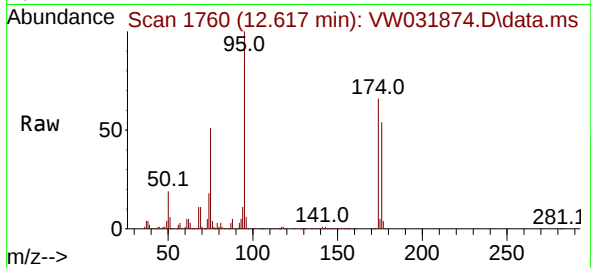




#76
1,2,3-Trichloropropane
Concen: 41.414 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

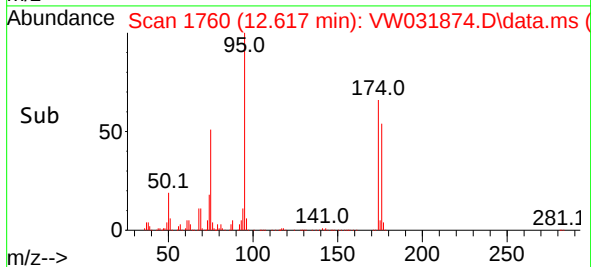
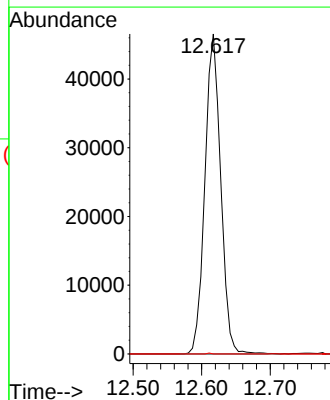
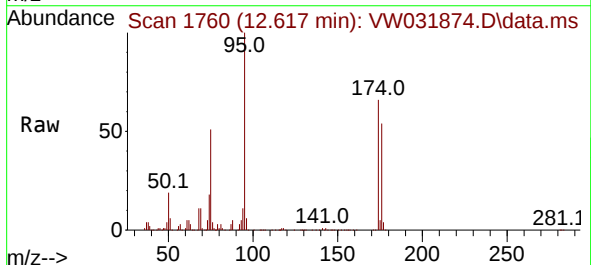
Instrument :
MSVOA_W
ClientSampleId :
VOC

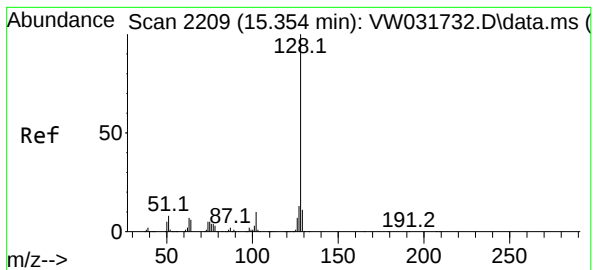
Tgt Ion: 75 Resp: 74844
Ion Ratio Lower Upper
75 100
77 1.4 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.459 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Tgt Ion: 75 Resp: 74844
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.1 38.3 57.5#





#95
Naphthalene
Concen: 6.471 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Instrument :
MSVOA_W
ClientSampleId :
VOC

Tgt Ion:	128	Resp:	42550
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.4	8.7	13.1

