

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031847.D
 Acq On : 14 Jul 2025 13:51
 Operator : SY/MD
 Sample : Q2586-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-16-VOC

Quant Time: Jul 15 02:44:51 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)

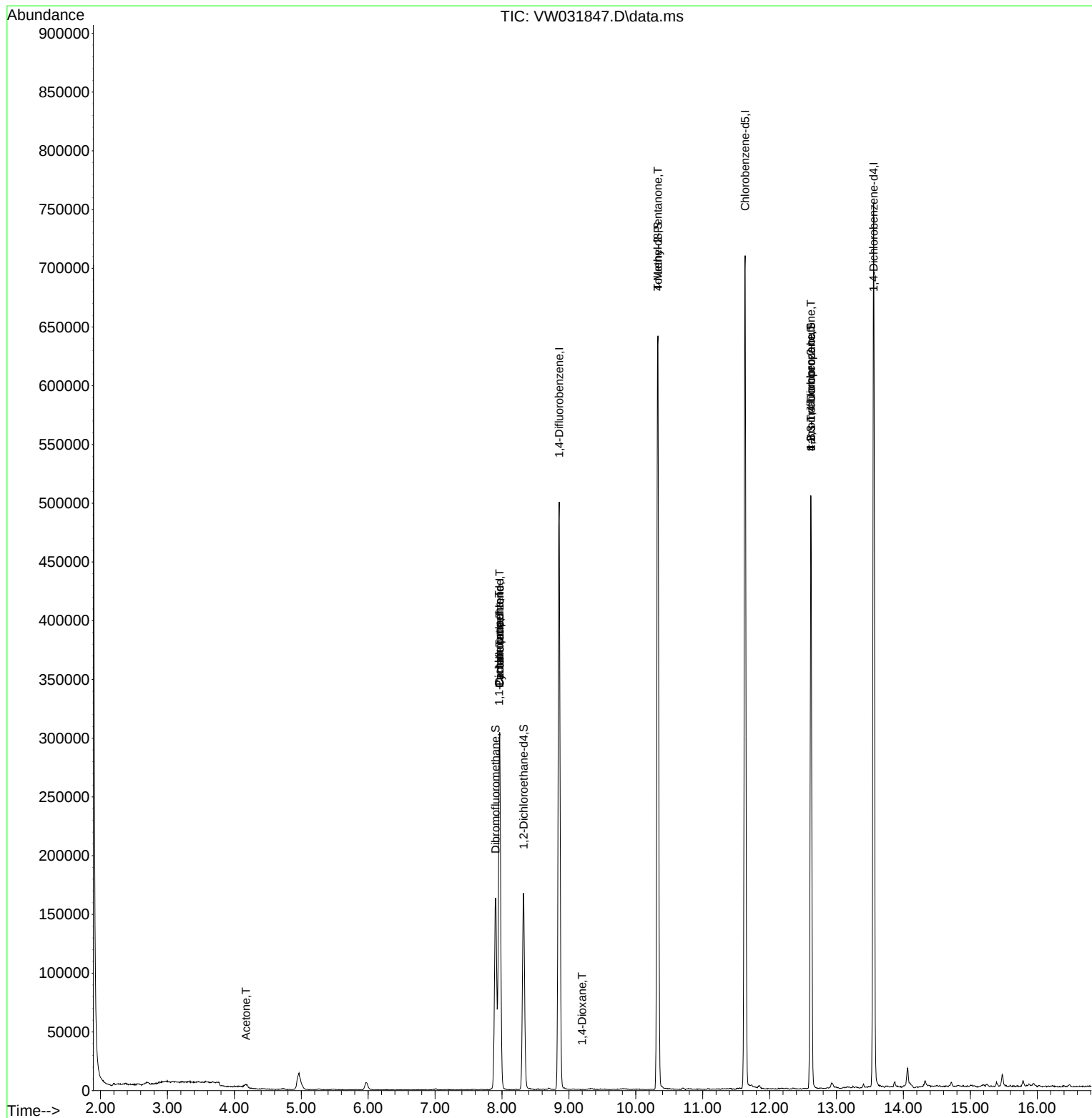
Internal Standards						
1) Pentafluorobenzene	7.965	168	211578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	420661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	392839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	142501	46.931	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	93.860%	
35) Dibromofluoromethane	7.904	113	122151	44.500	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	89.000%	
50) Toluene-d8	10.331	98	440534	43.125	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	86.260%	
62) 4-Bromofluorobenzene	12.617	95	175814	46.769	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	93.540%	
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	3695	4.923	ug/l	93
31) Cyclohexane	7.965	56	5387	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19790	4.982	ug/l #	51
38) Carbon Tetrachloride	7.965	117	24382	6.024	ug/l #	17
49) 1,4-Dioxane	9.197	88	52	2.421	ug/l #	13
51) 4-Methyl-2-Pentanone	10.331	43	2550	1.027	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	92345	38.935	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	92345	90.685	ug/l #	8

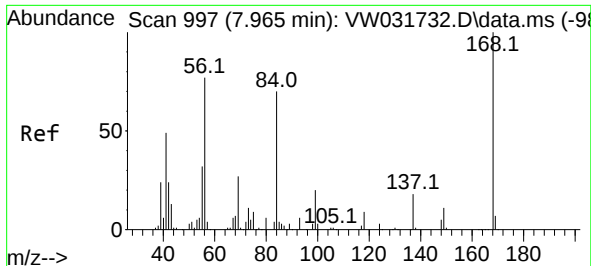
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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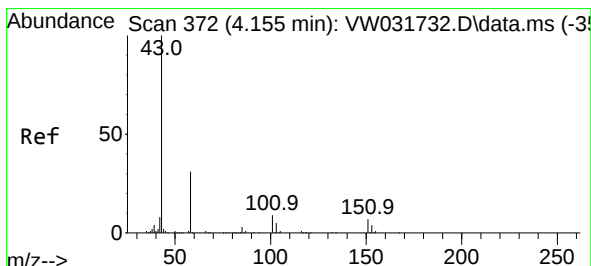
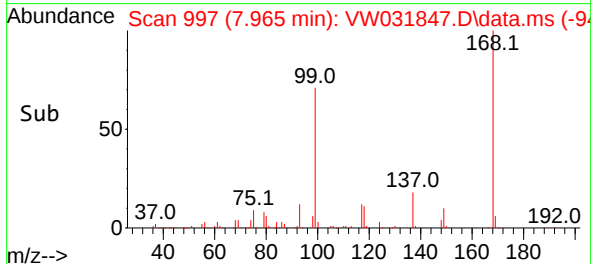
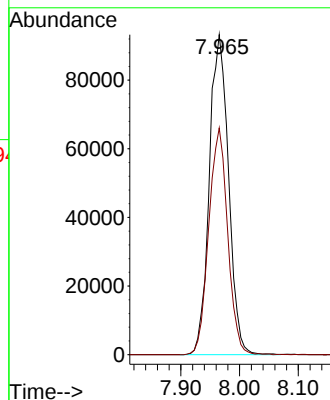
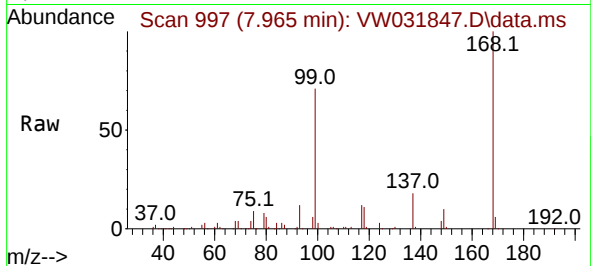




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

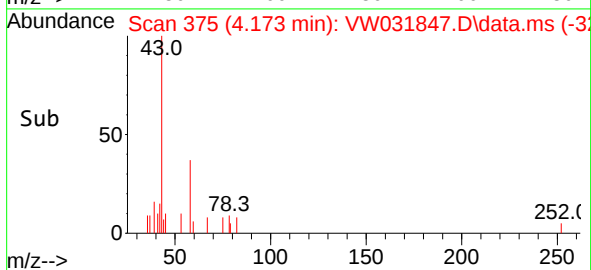
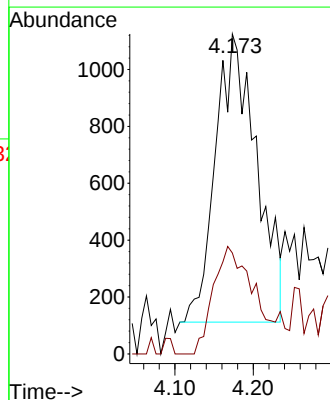
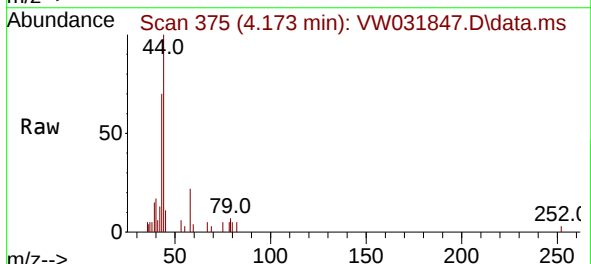
Instrument :
MSVOA_W
ClientSampleId :
TP-16-VOC

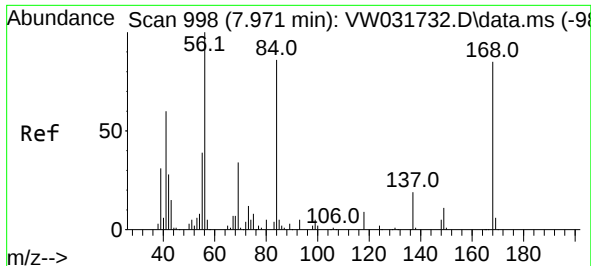
Tgt Ion:168 Resp: 211578
Ion Ratio Lower Upper
168 100
99 70.9 49.4 74.2



#16
Acetone
Concen: 4.923 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.019 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

Tgt Ion: 43 Resp: 3695
Ion Ratio Lower Upper
43 100
58 35.0 24.8 37.2

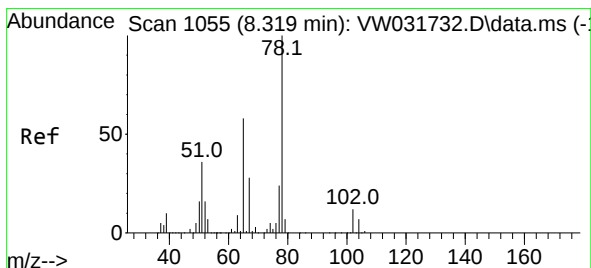
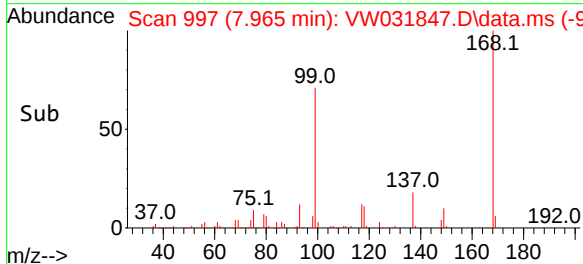
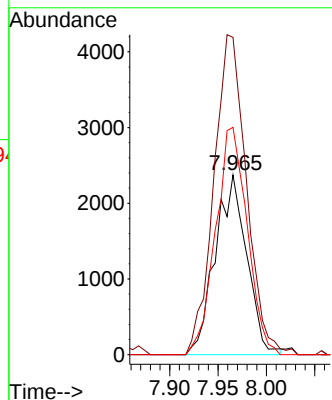
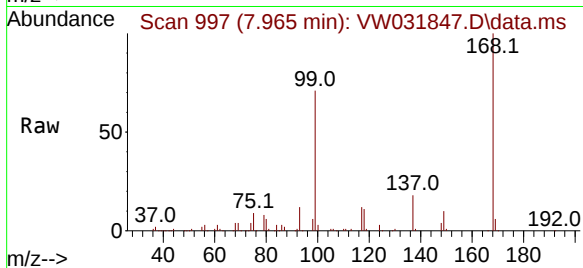




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

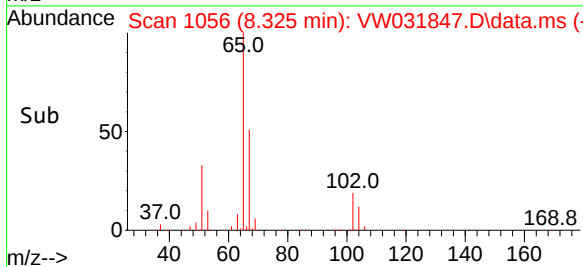
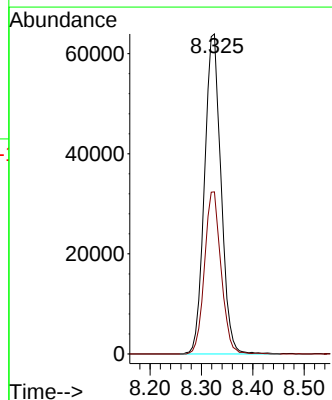
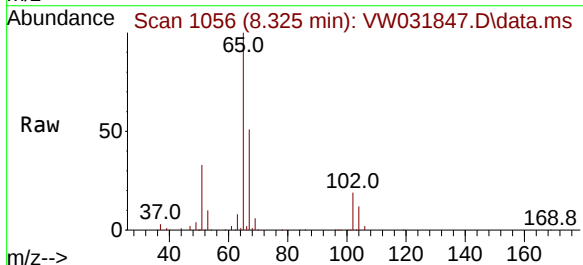
Instrument :
MSVOA_W
ClientSampleId :
TP-16-VOC

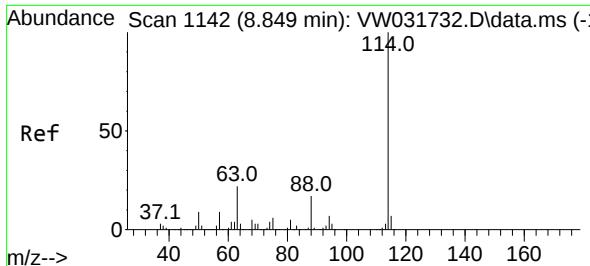
Tgt Ion: 56 Resp: 5387
Ion Ratio Lower Upper
56 100
69 176.6 27.2 40.8#
84 126.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.931 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

Tgt Ion: 65 Resp: 142501
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4

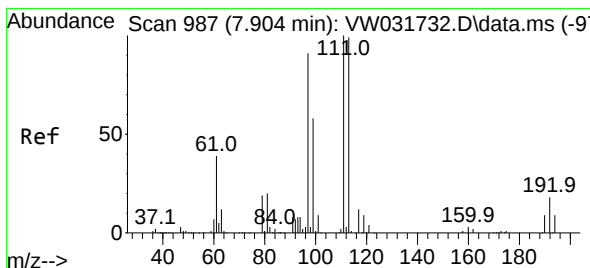
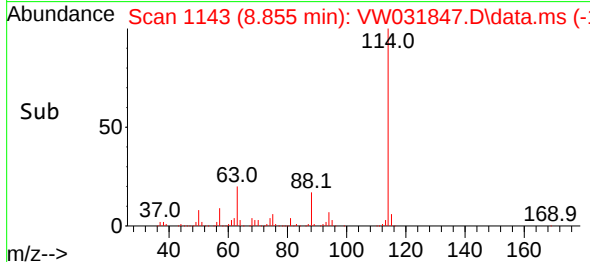
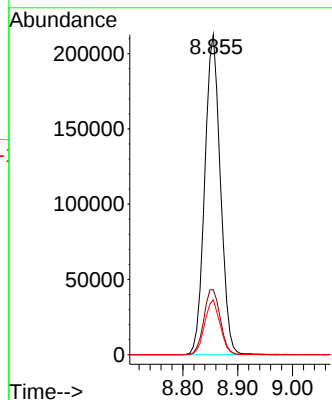
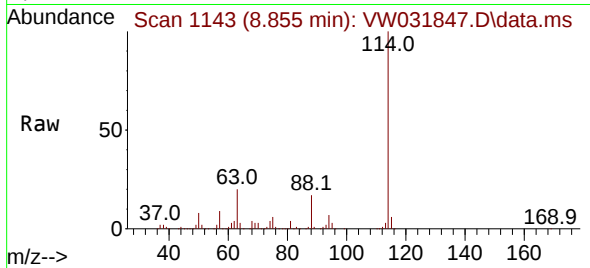




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031847.D
 Acq: 14 Jul 2025 13:51

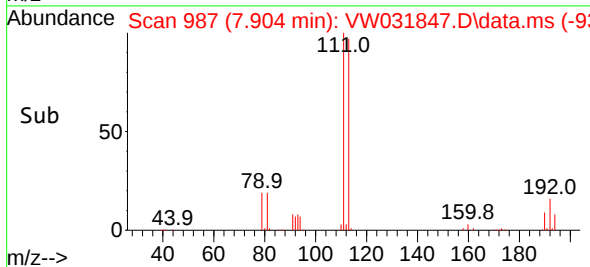
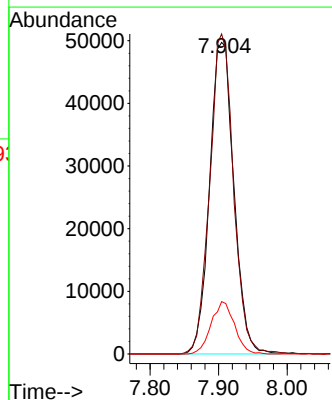
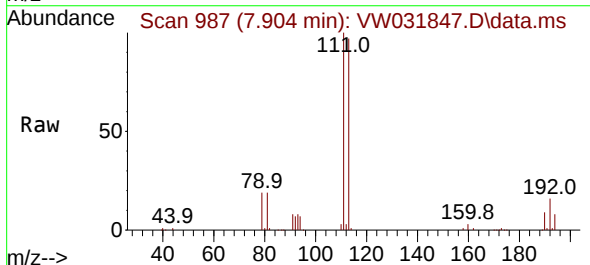
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-16-VOC

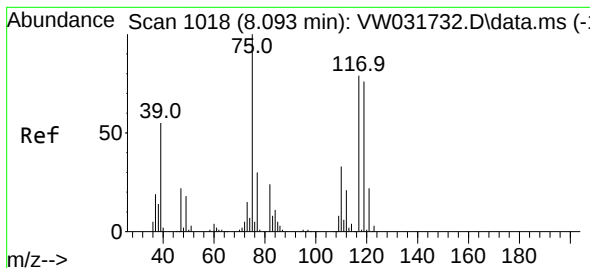
Tgt Ion:	114	Resp:	420661
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	43.6
88	17.2	0.0	34.2



#35
 Dibromofluoromethane
 Concen: 44.500 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW031847.D
 Acq: 14 Jul 2025 13:51

Tgt Ion:	113	Resp:	122151
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.1	123.1
192	16.1	13.8	20.6





#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

Lab File: VW031847.D

Acq: 14 Jul 2025 13:51

Instrument :

MSVOA_W

ClientSampleId :

TP-16-VOC

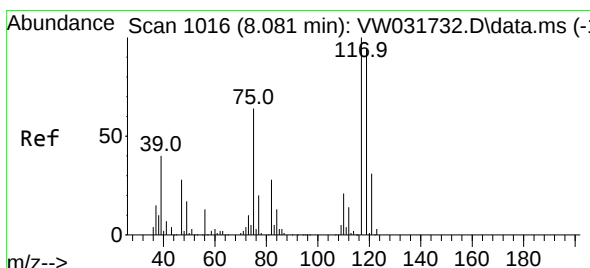
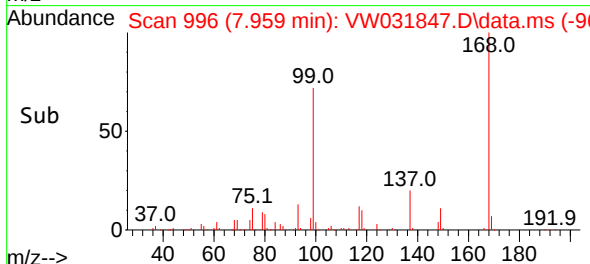
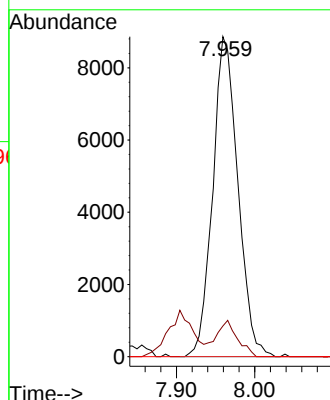
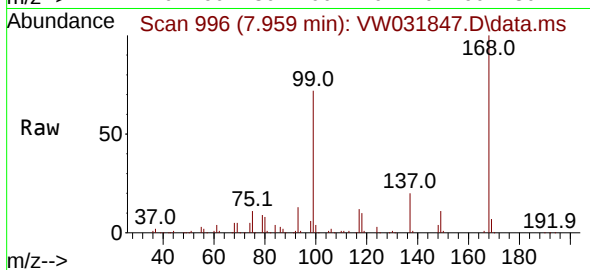
Tgt Ion: 75 Resp: 19790

Ion Ratio Lower Upper

75 100

110 9.8 16.8 50.4#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.024 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.115 min

Lab File: VW031847.D

Acq: 14 Jul 2025 13:51

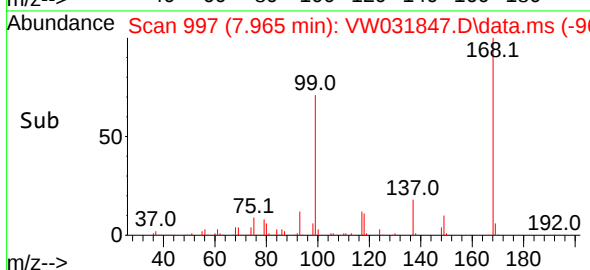
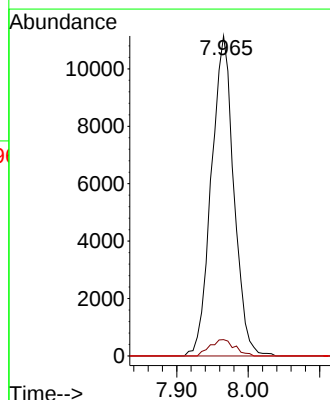
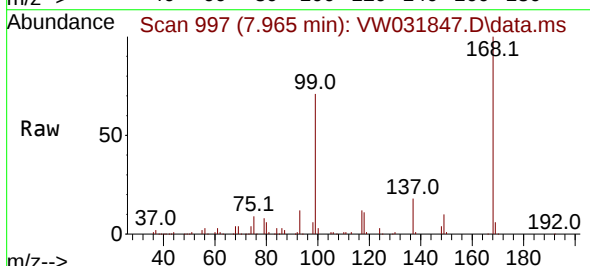
Tgt Ion: 117 Resp: 24382

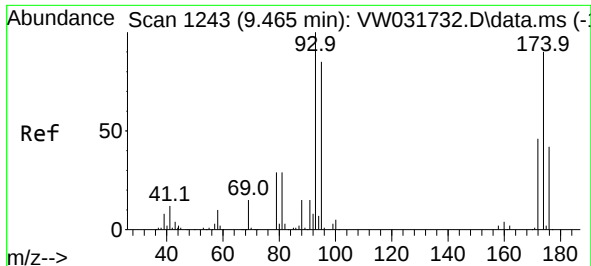
Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 2.421 ug/l

RT: 9.197 min Scan# 1199

Delta R.T. -0.268 min

Lab File: VW031847.D

Acq: 14 Jul 2025 13:51

Instrument :

MSVOA_W

ClientSampleId :

TP-16-VOC

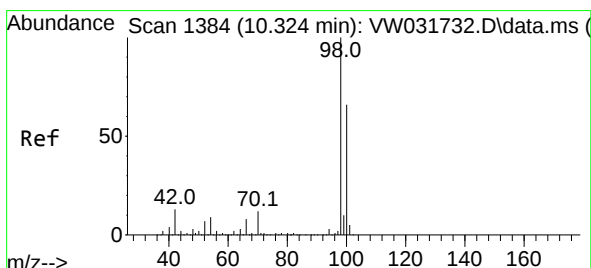
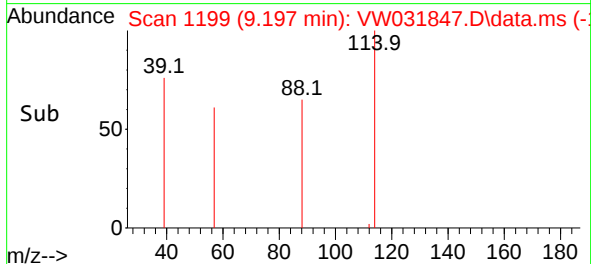
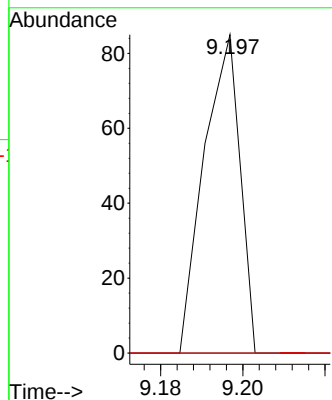
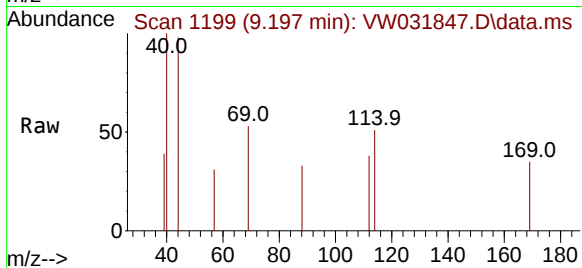
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 58.3 87.5#



#50

Toluene-d8

Concen: 43.125 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031847.D

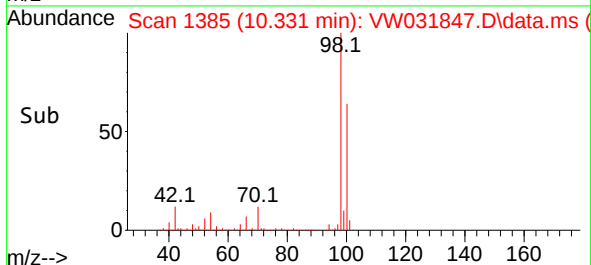
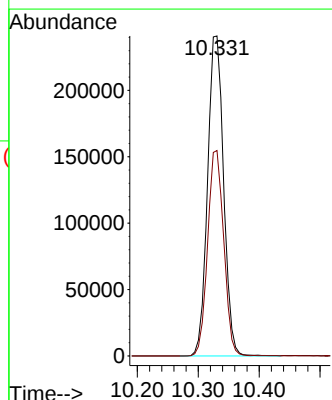
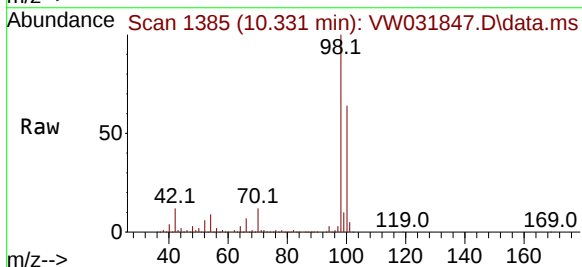
Acq: 14 Jul 2025 13:51

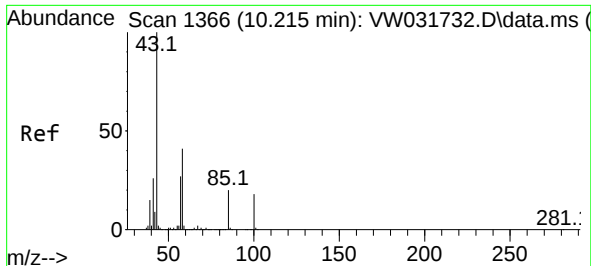
Tgt Ion: 98 Resp: 440534

Ion Ratio Lower Upper

98 100

100 64.5 53.0 79.4

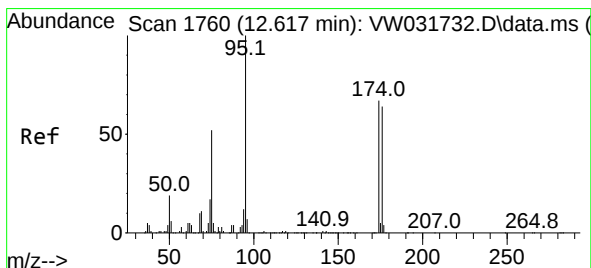
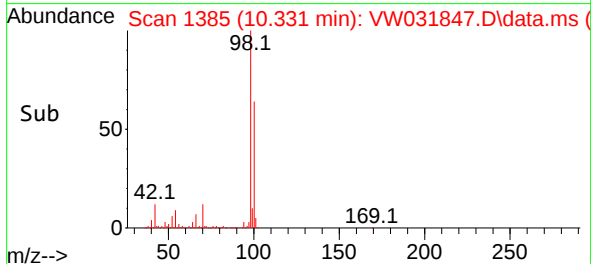
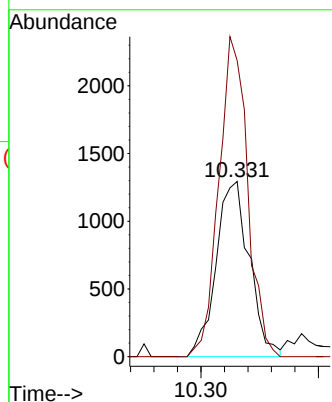
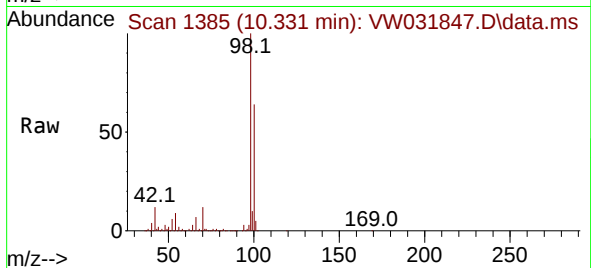




#51
4-Methyl-2-Pentanone
Concen: 1.027 ug/l
RT: 10.331 min Scan# 1366
Delta R.T. 0.116 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

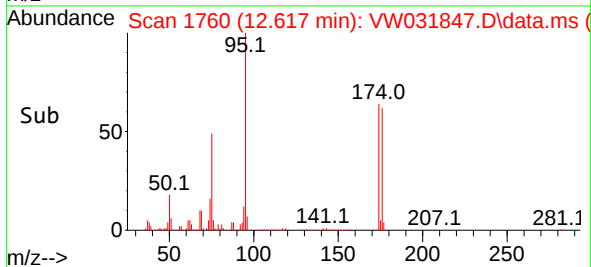
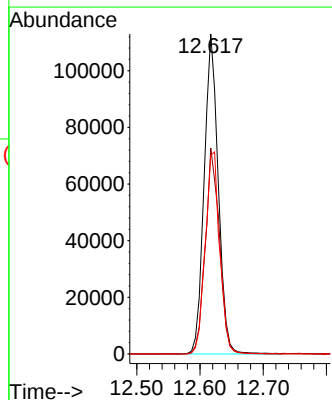
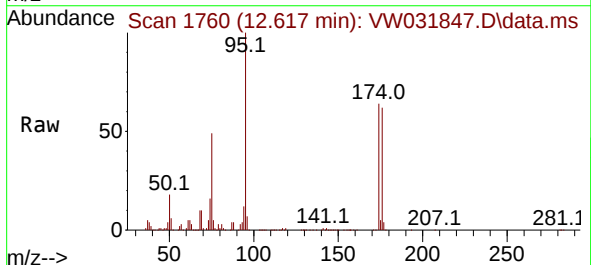
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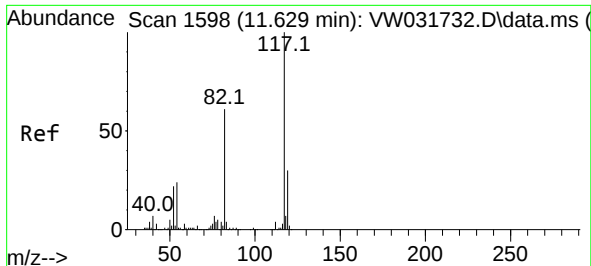
Tgt Ion: 43 Resp: 2550
Ion Ratio Lower Upper
43 100
58 157.5 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 46.769 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

Tgt Ion: 95 Resp: 175814
Ion Ratio Lower Upper
95 100
174 64.3 0.0 133.8
176 65.0 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031847.D

Acq: 14 Jul 2025 13:51

Instrument :

MSVOA_W

ClientSampleId :

TP-16-VOC

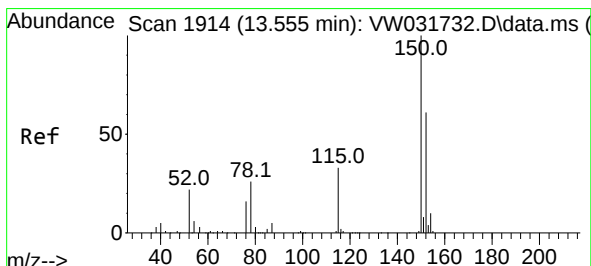
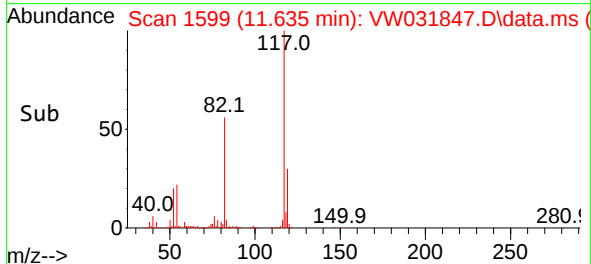
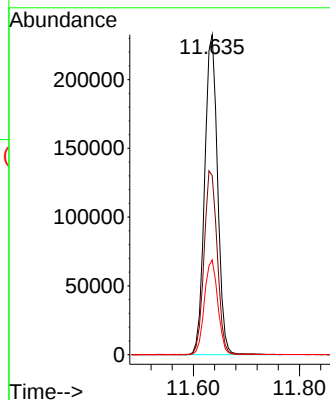
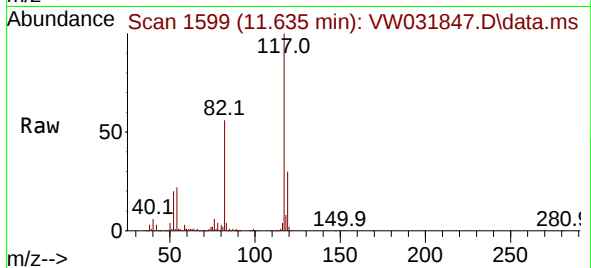
Tgt Ion:117 Resp: 392839

Ion Ratio Lower Upper

117 100

82 56.0 48.6 72.8

119 29.5 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: VW031847.D

Acq: 14 Jul 2025 13:51

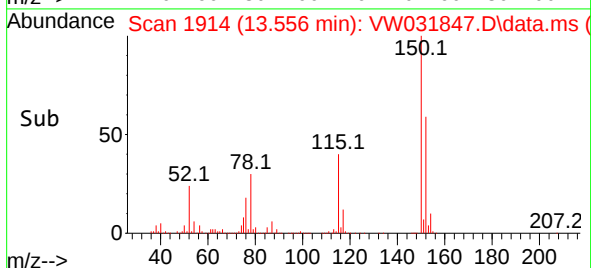
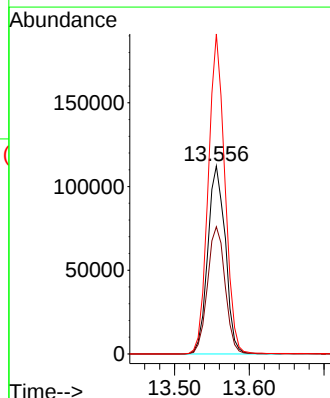
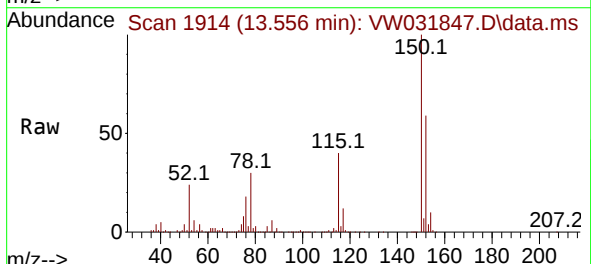
Tgt Ion:152 Resp: 183535

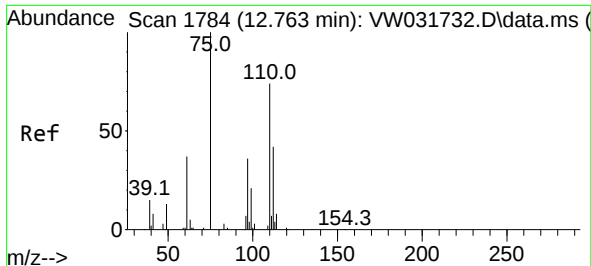
Ion Ratio Lower Upper

152 100

115 67.9 31.9 95.7

150 161.1 0.0 356.4

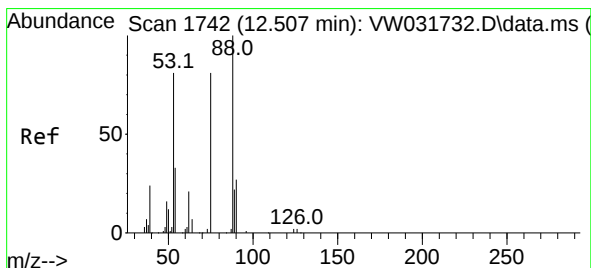
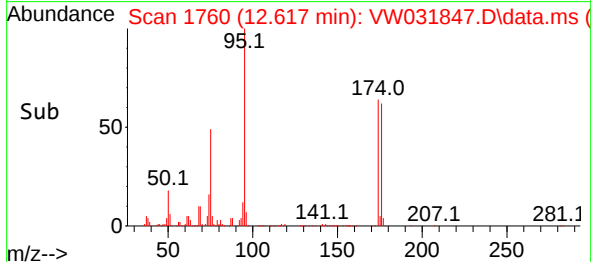
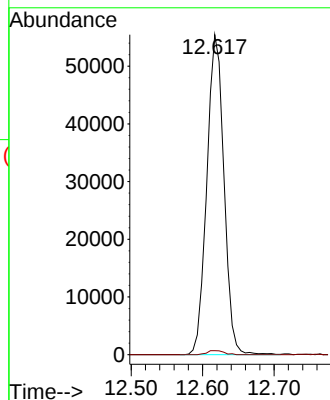
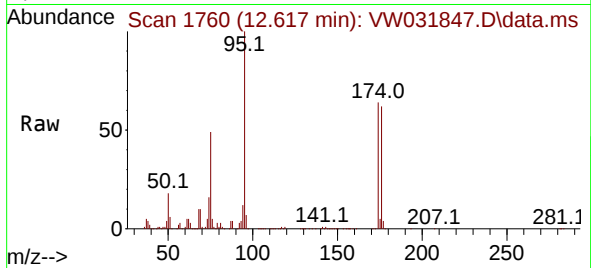




#76
1,2,3-Trichloropropane
Concen: 38.935 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

Instrument :
MSVOA_W
ClientSampleId :
TP-16-VOC

Tgt Ion: 75 Resp: 92345
Ion Ratio Lower Upper
75 100
77 1.3 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.685 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031847.D
Acq: 14 Jul 2025 13:51

Tgt Ion: 75 Resp: 92345
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.3 57.5#

