

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032252.D
 Acq On : 24 Sep 2025 18:19
 Operator : SY/MD
 Sample : Q3183-06
 Misc : 5.24g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

Quant Time: Sep 25 08:17:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

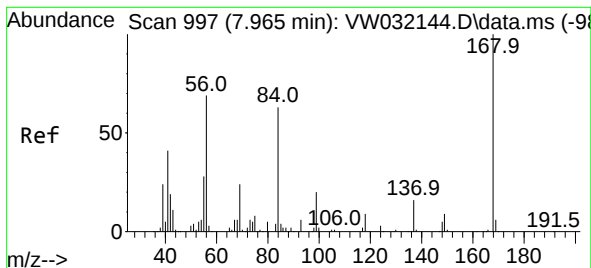
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	147280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	301075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	312356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	159848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137755	65.401	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 130.800%		
35) Dibromofluoromethane	7.905	113	114899	54.395	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 108.780%		
50) Toluene-d8	10.331	98	394548	53.207	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.420%		
62) 4-Bromofluorobenzene	12.617	95	132915	48.473	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 96.940%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.960	84	14925	4.489	ug/l #	87
31) Cyclohexane	7.965	56	3978	1.538	ug/l #	26
36) 1,1-Dichloropropene	7.965	75	12460	4.549	ug/l #	51
38) Carbon Tetrachloride	7.959	117	16157	5.503	ug/l #	19
49) 1,4-Dioxane	9.453	88	19	1.099	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	72258	36.083	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	72258	97.151	ug/l #	5

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

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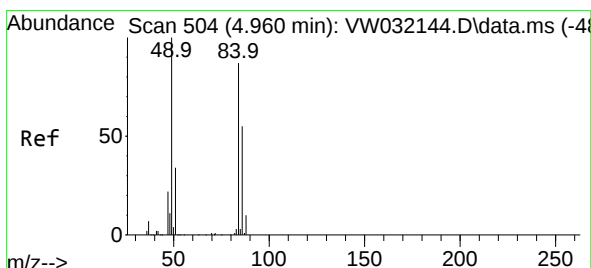
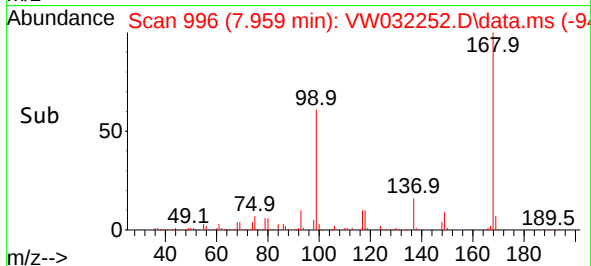
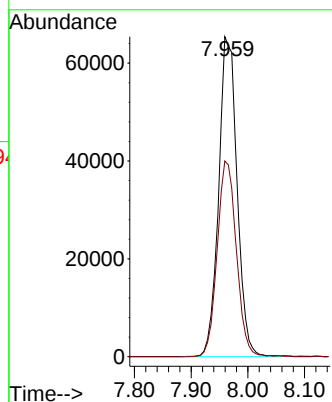
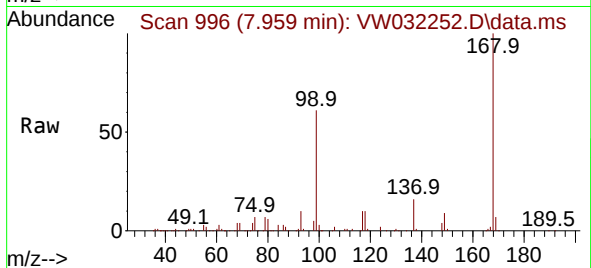




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032252.D
Acq: 24 Sep 2025 18:19

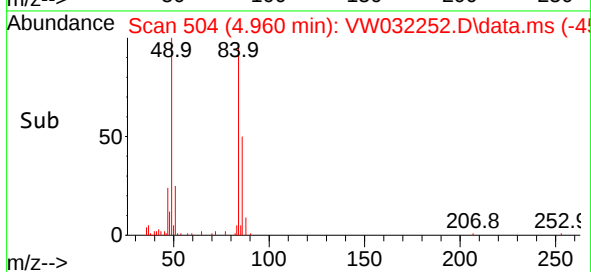
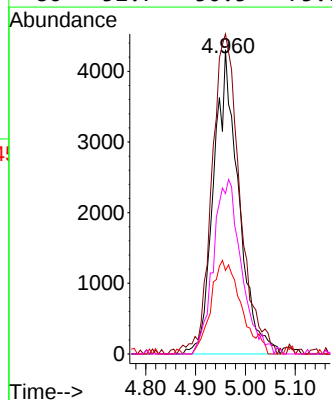
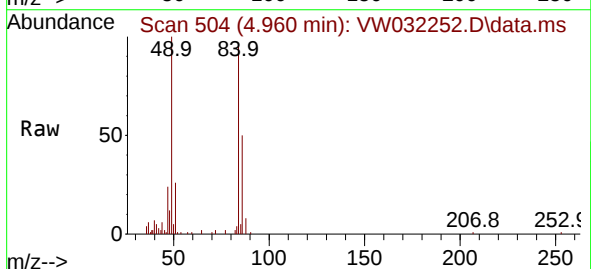
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

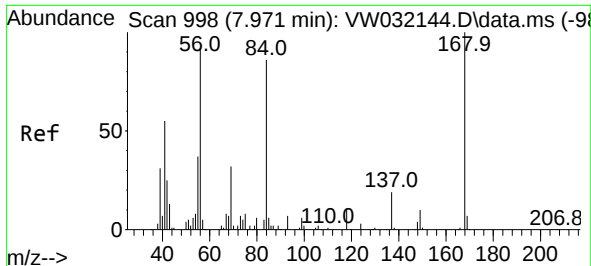
Tgt Ion:168 Resp: 147280
Ion Ratio Lower Upper
168 100
99 61.1 49.3 73.9



#20
Methylene Chloride
Concen: 4.489 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032252.D
Acq: 24 Sep 2025 18:19

Tgt Ion: 84 Resp: 14925
Ion Ratio Lower Upper
84 100
49 103.4 92.2 138.4
51 27.5 31.0 46.6#
86 52.7 50.5 75.7

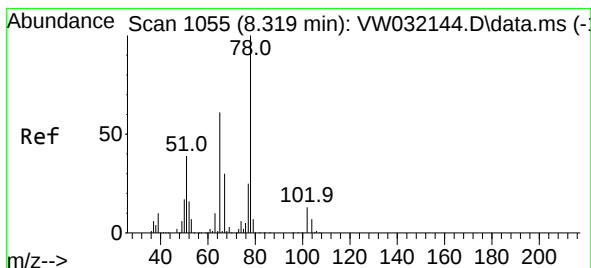
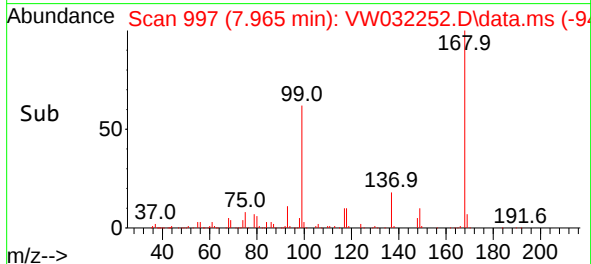
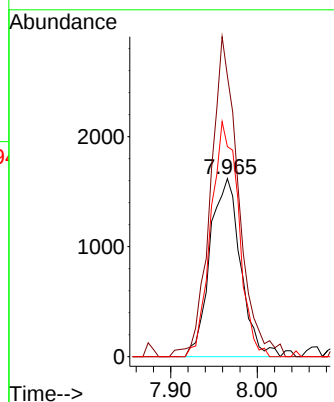
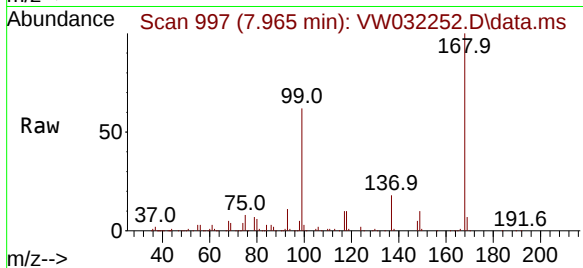




#31
Cyclohexane
Concen: 1.538 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032252.D
Acq: 24 Sep 2025 18:19

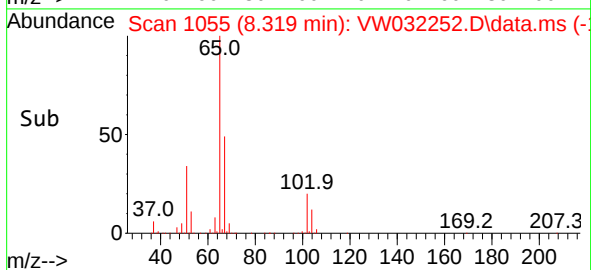
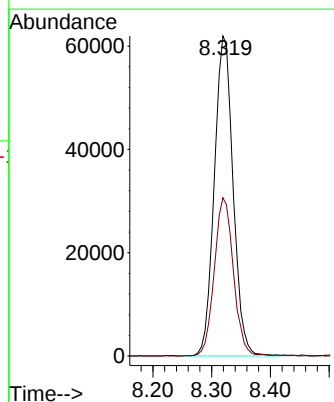
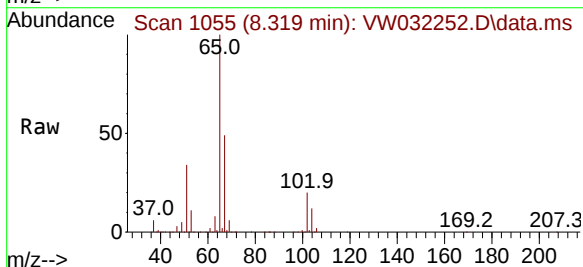
Instrument :
MSVOA_W
ClientSampleId :
WC-4-VOC

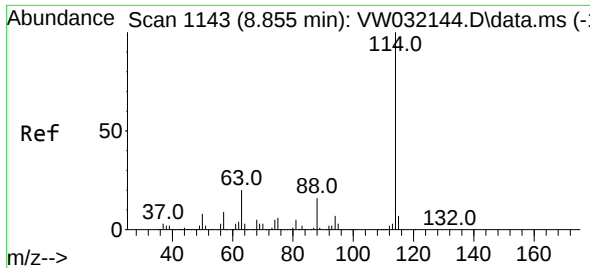
Tgt Ion: 56 Resp: 3978
Ion Ratio Lower Upper
56 100
69 153.5 27.7 41.5#
84 118.0 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 65.401 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032252.D
Acq: 24 Sep 2025 18:19

Tgt Ion: 65 Resp: 137755
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.6

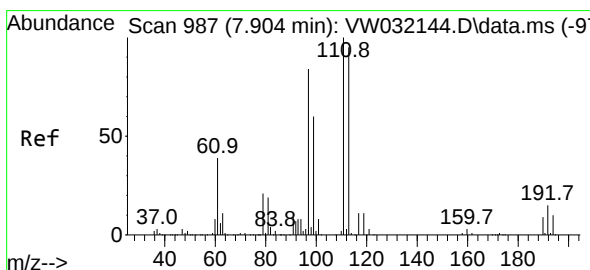
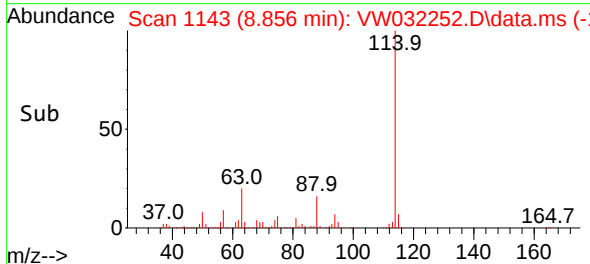
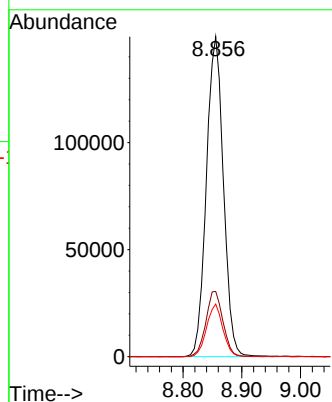
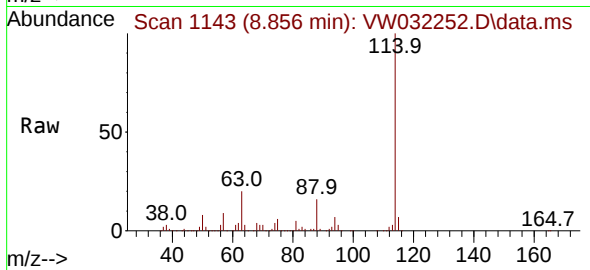




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032252.D
 Acq: 24 Sep 2025 18:19

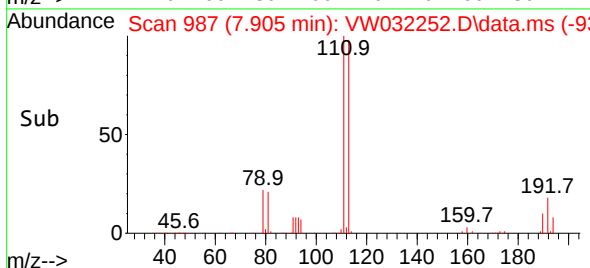
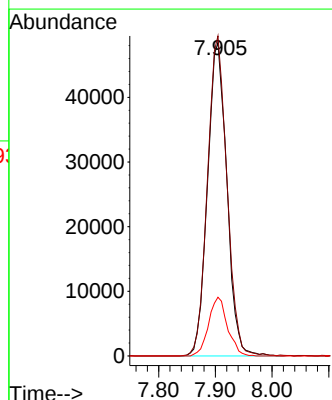
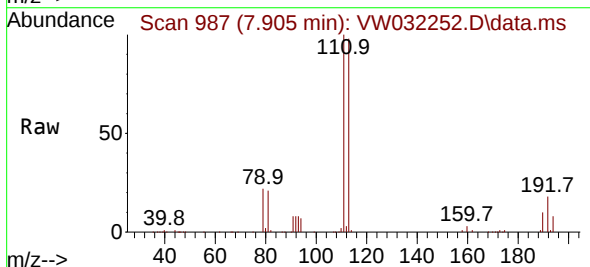
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

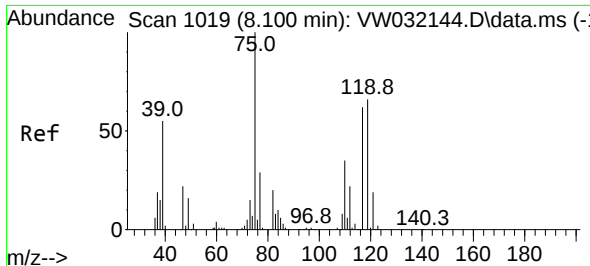
Tgt Ion:114	Resp:	301075
Ion	Ratio	Lower Upper
114	100	
63	20.4	0.0 40.4
88	16.5	0.0 32.0



#35
 Dibromofluoromethane
 Concen: 54.395 ug/l
 RT: 7.905 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032252.D
 Acq: 24 Sep 2025 18:19

Tgt Ion:113	Resp:	114899
Ion	Ratio	Lower Upper
113	100	
111	102.6	83.9 125.9
192	18.3	14.6 21.8

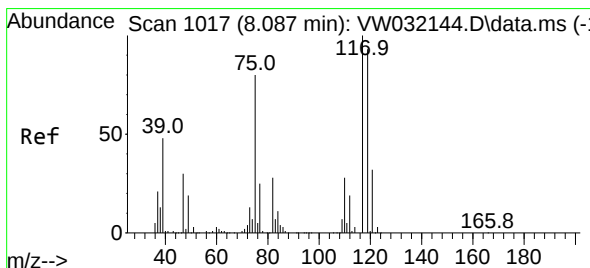
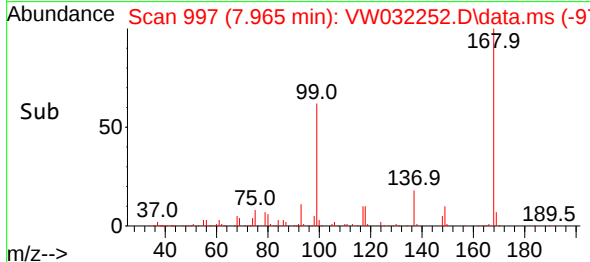
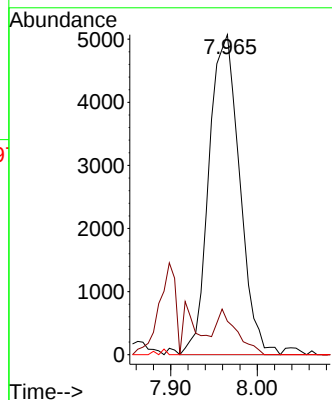
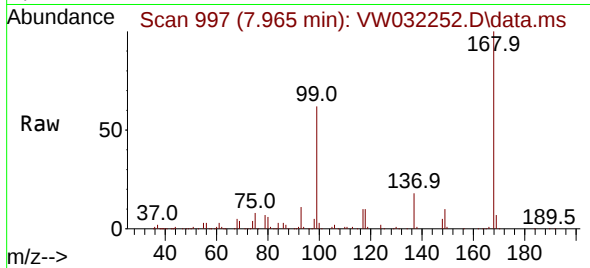




#36
 1,1-Dichloropropene
 Concen: 4.549 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032252.D
 Acq: 24 Sep 2025 18:19

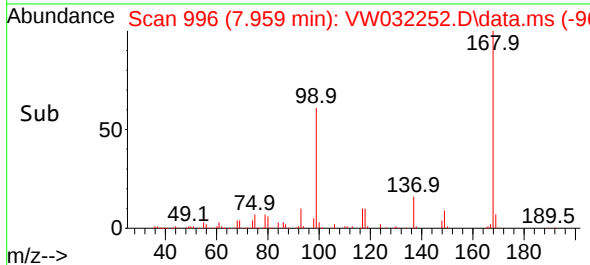
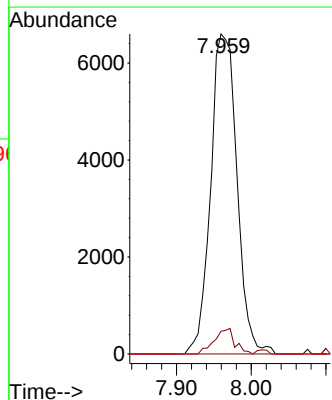
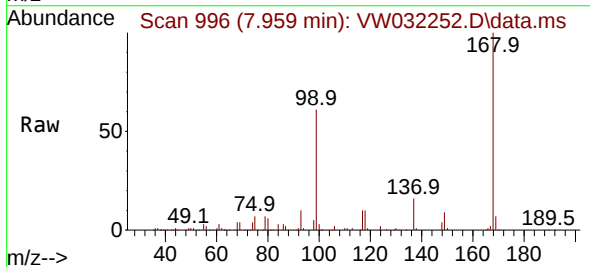
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

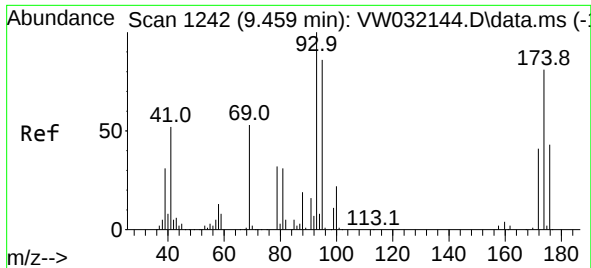
Tgt Ion: 75 Resp: 12460
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.5 52.5#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.503 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032252.D
 Acq: 24 Sep 2025 18:19

Tgt Ion: 117 Resp: 16157
 Ion Ratio Lower Upper
 117 100
 119 7.1 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.099 ug/l

RT: 9.453 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032252.D

Acq: 24 Sep 2025 18:19

Instrument :

MSVOA_W

ClientSampleId :

WC-4-VOC

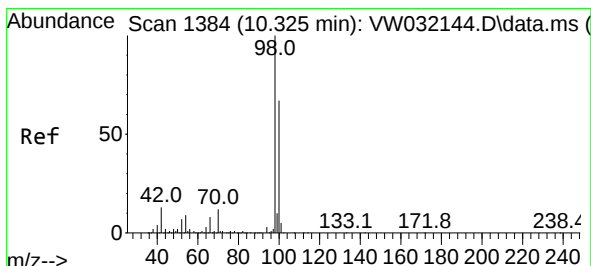
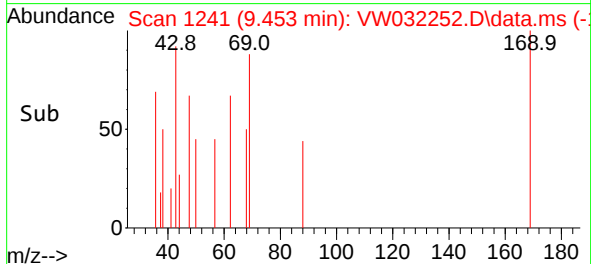
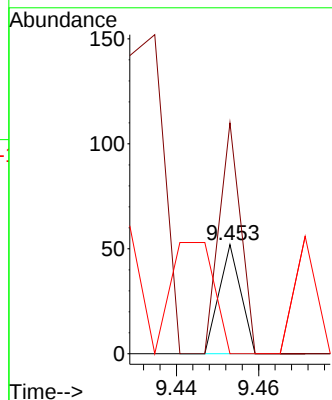
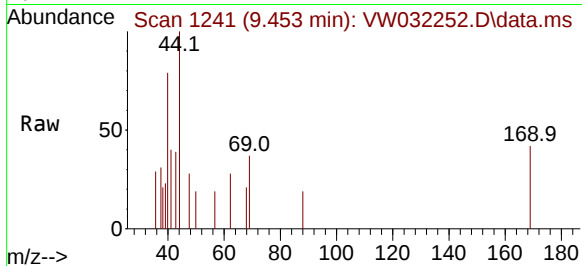
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 210.5 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 53.207 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032252.D

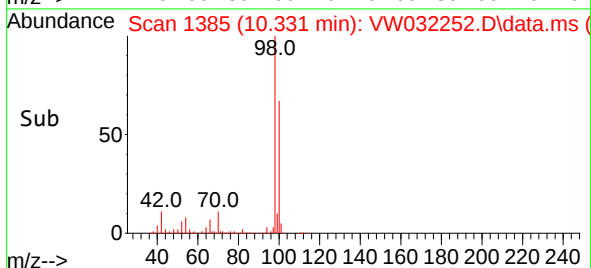
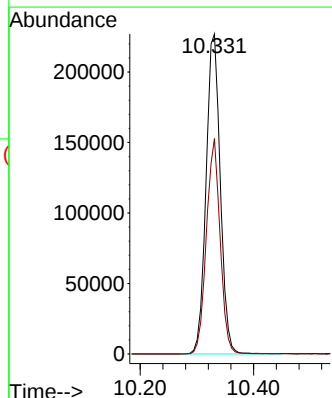
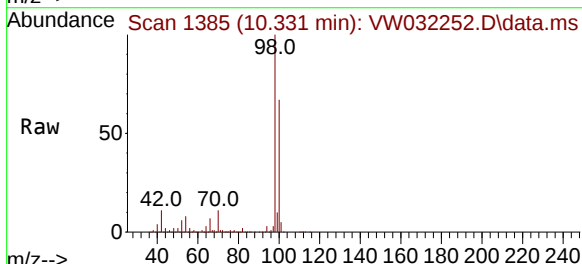
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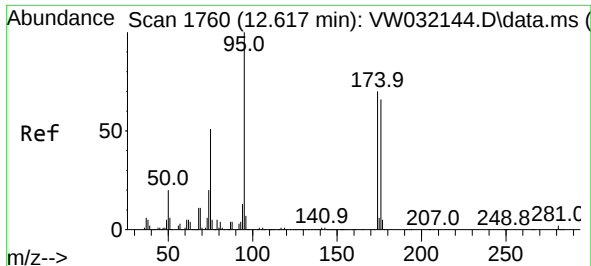
Tgt Ion: 98 Resp: 394548

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.2

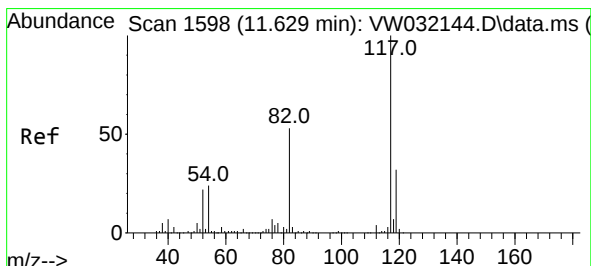
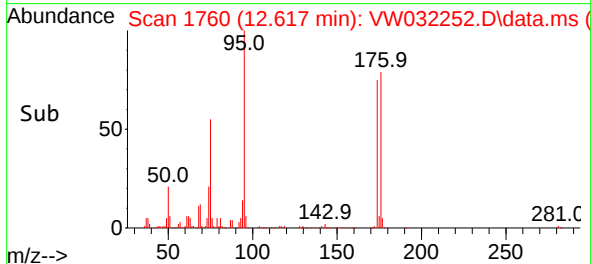
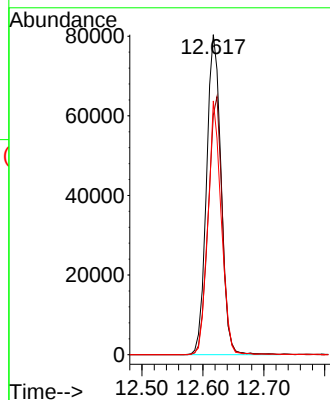
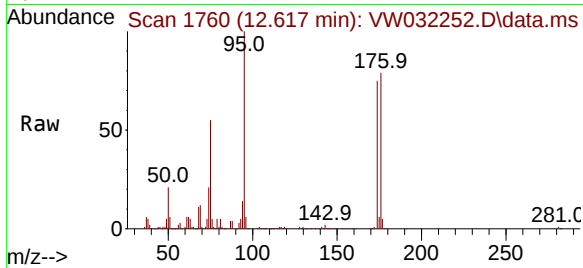




#62
4-Bromofluorobenzene
Concen: 48.473 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032252.D
Acq: 24 Sep 2025 18:19

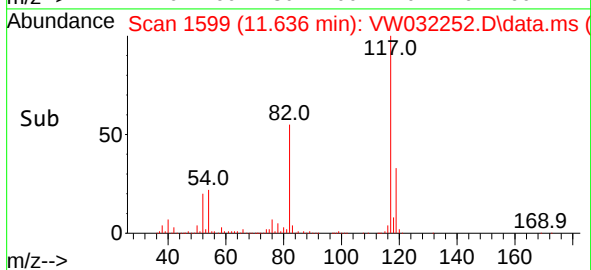
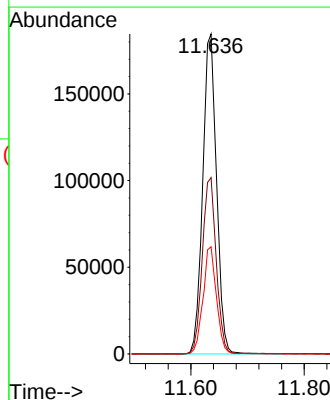
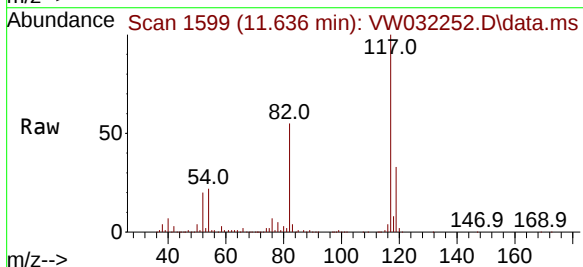
Instrument :
MSVOA_W
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WC-4-VOC

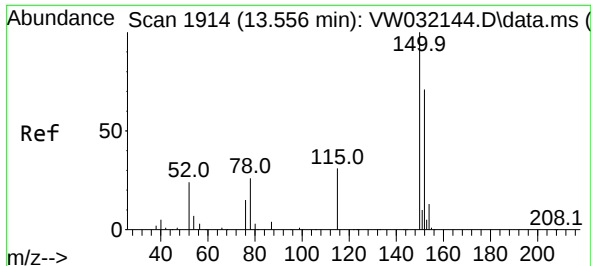
Tgt Ion: 95 Resp: 132915
Ion Ratio Lower Upper
95 100
174 78.5 0.0 145.6
176 73.1 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032252.D
Acq: 24 Sep 2025 18:19

Tgt Ion: 117 Resp: 312356
Ion Ratio Lower Upper
117 100
82 55.1 42.7 64.1
119 33.4 25.2 37.8

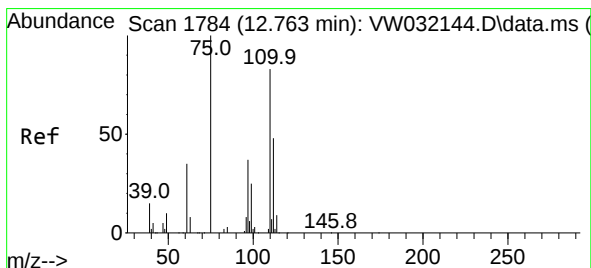
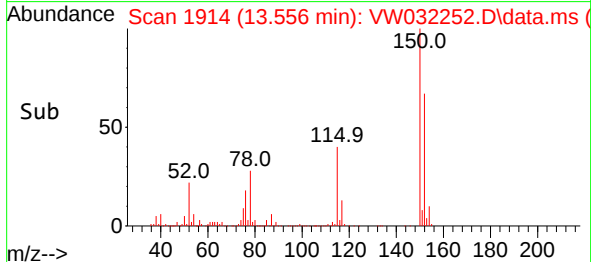
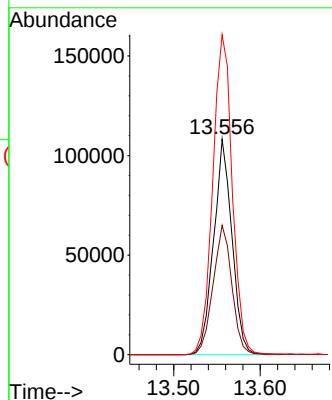
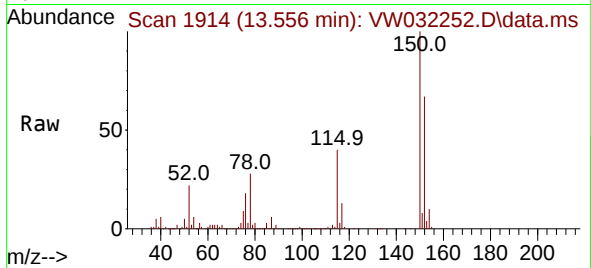




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032252.D
 Acq: 24 Sep 2025 18:19

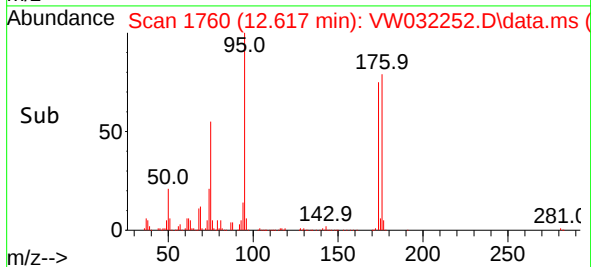
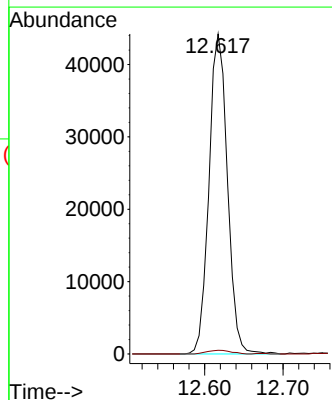
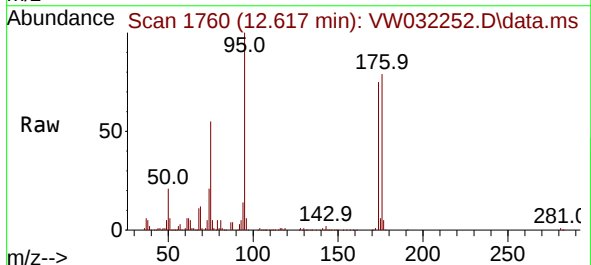
Instrument :
 MSVOA_W
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 WC-4-VOC

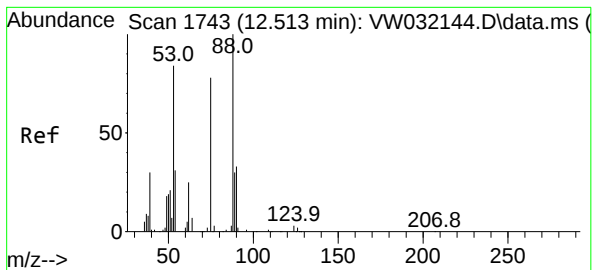
Tgt Ion:152 Resp: 159848
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.8 95.4
 150 157.5 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 36.083 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032252.D
 Acq: 24 Sep 2025 18:19

Tgt Ion: 75 Resp: 72258
 Ion Ratio Lower Upper
 75 100
 77 1.5 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.151 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032252.D
 Acq: 24 Sep 2025 18:19

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-4-VOC

Tgt Ion: 75 Resp: 72258
 Ion Ratio Lower Upper
 75 100
 53 0.2 91.0 136.6#
 89 0.0 39.4 59.2#

