

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031947.D
 Acq On : 28 Jul 2025 15:46
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 29 01:21:50 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)

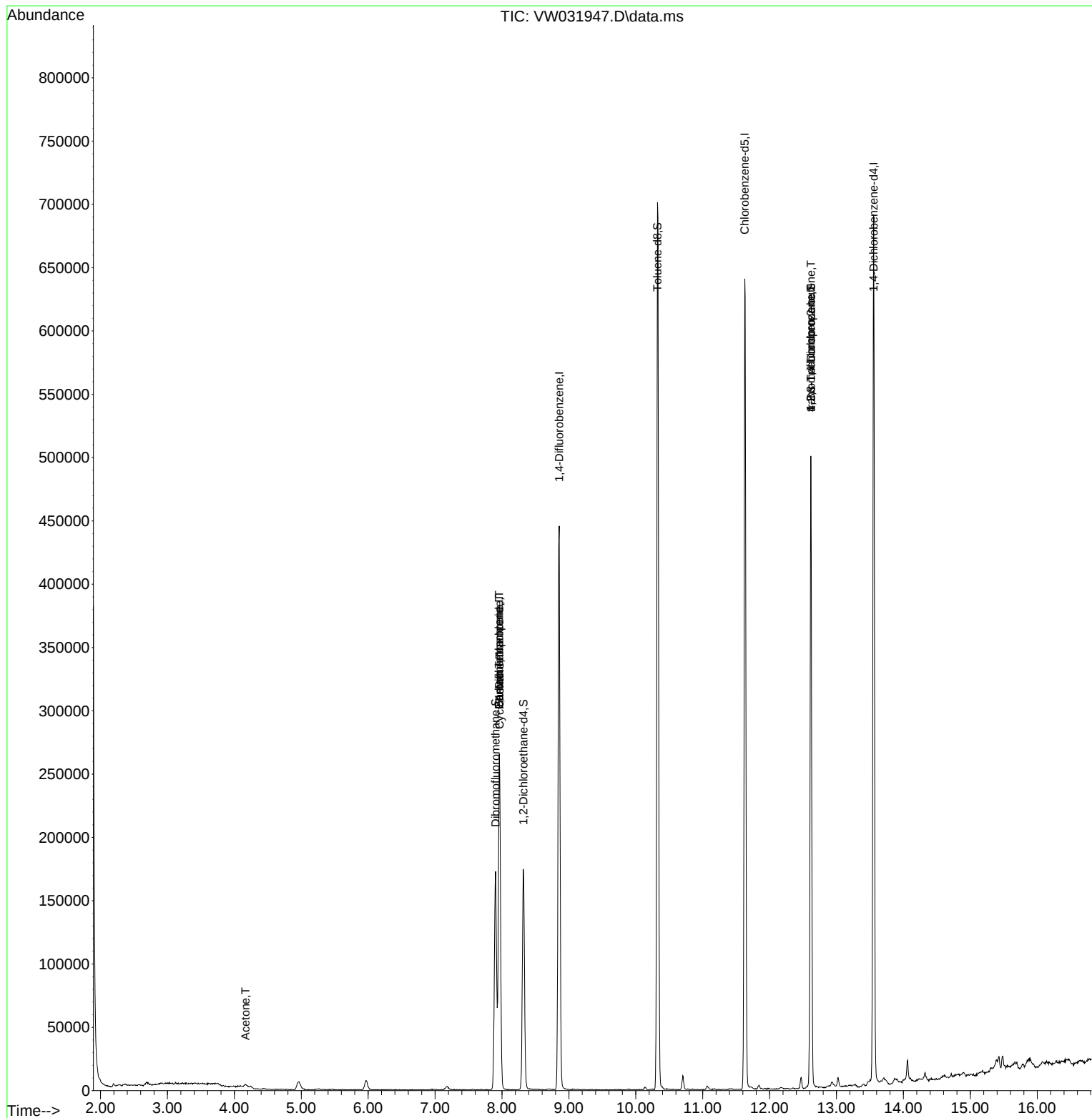
Internal Standards						
1) Pentafluorobenzene	7.959	168	177867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	377849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	144893	53.850	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 107.700%		
35) Dibromofluoromethane	7.904	113	124546	48.508	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.020%		
50) Toluene-d8	10.325	98	473763	48.755	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 97.500%		
62) 4-Bromofluorobenzene	12.617	95	175479	47.029	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 94.060%		
Target Compounds						
					Qvalue	
13) Acrolein	3.929	56	108	Below Cal	#	39
16) Acetone	4.167	43	3167	4.960	ug/l	97
20) Methylene Chloride	4.966	84	6053	Below Cal		95
31) Cyclohexane	7.965	56	4662	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16618	4.215	ug/l #	49
38) Carbon Tetrachloride	7.959	117	21184	5.598	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	89461	37.465	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	89461	86.496	ug/l #	8

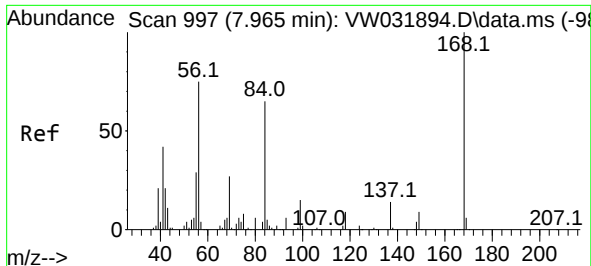
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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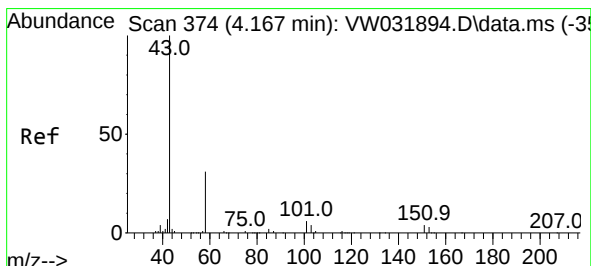
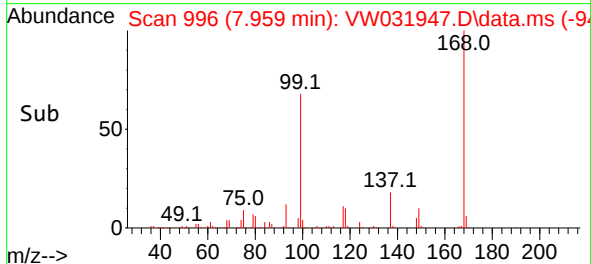
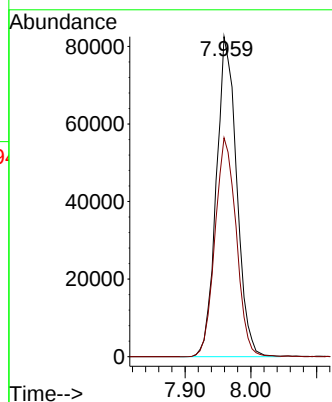
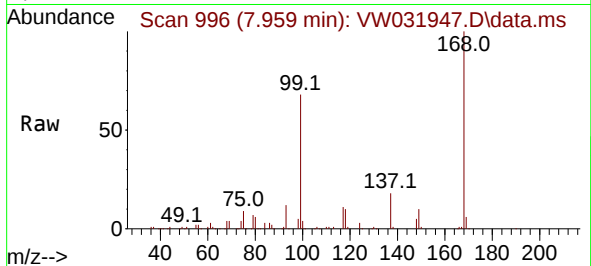




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

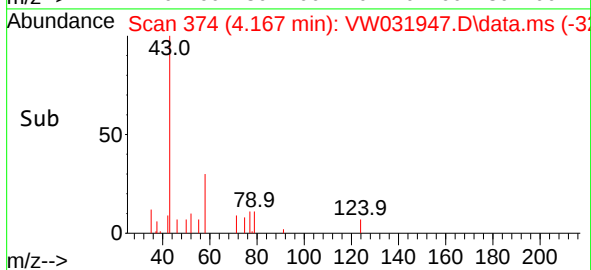
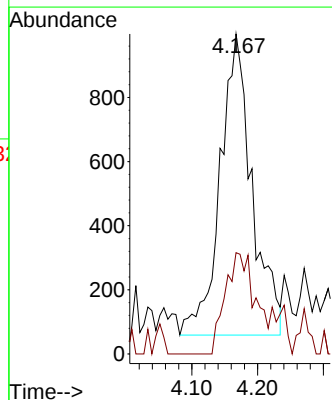
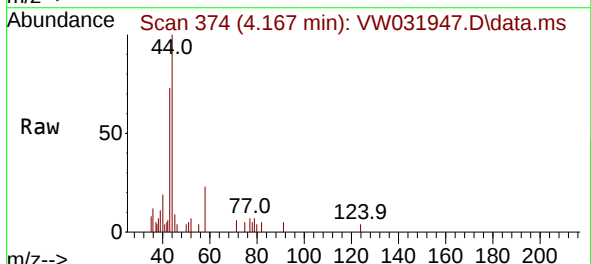
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

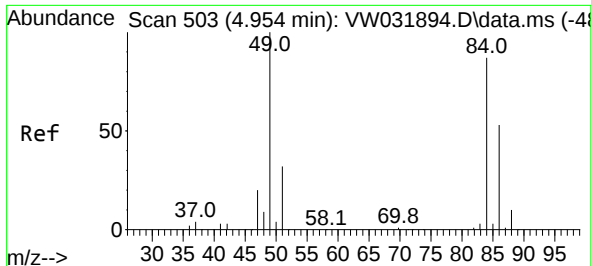
Tgt Ion:168 Resp: 177867
Ion Ratio Lower Upper
168 100
99 68.4 48.2 72.2



#16
Acetone
Concen: 4.960 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Tgt Ion: 43 Resp: 3167
Ion Ratio Lower Upper
43 100
58 33.7 25.5 38.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.966 min Scan# 503

Delta R.T. 0.012 min

Lab File: VW031947.D

Acq: 28 Jul 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 6053

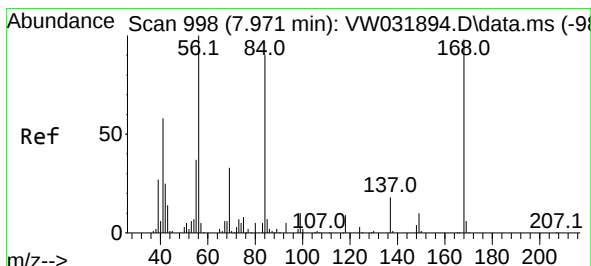
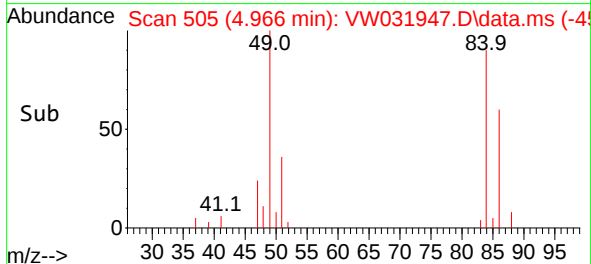
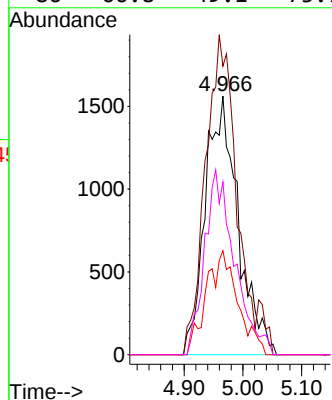
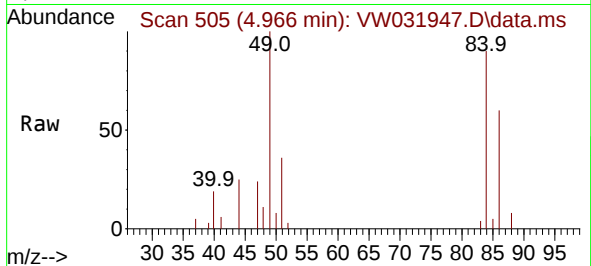
Ion Ratio Lower Upper

84 100

49 111.6 91.9 137.9

51 40.2 29.0 43.6

86 66.8 49.1 73.7



#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW031947.D

Acq: 28 Jul 2025 15:46

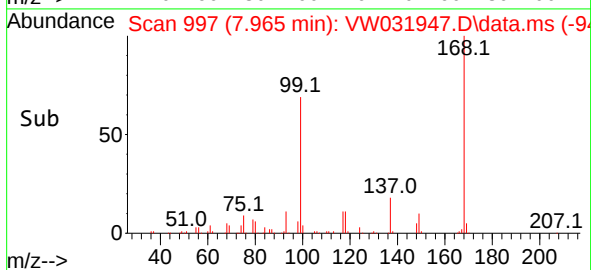
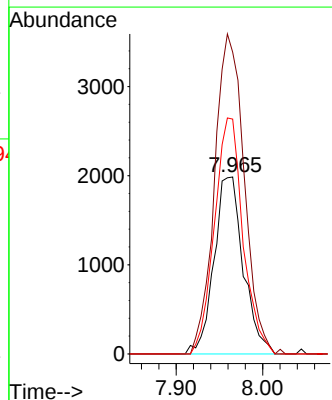
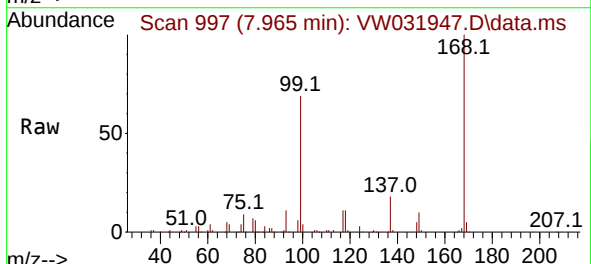
Tgt Ion: 56 Resp: 4662

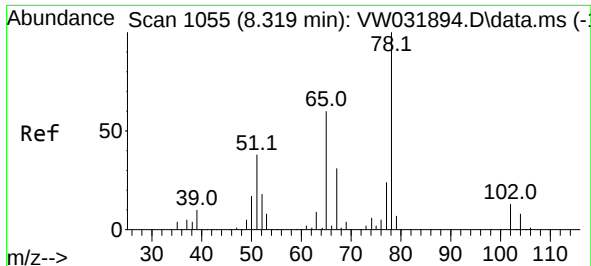
Ion Ratio Lower Upper

56 100

69 170.4 26.7 40.1#

84 132.7 71.8 107.6#

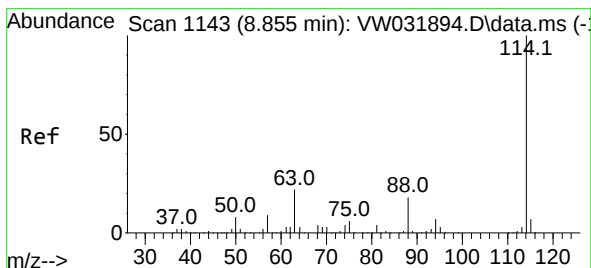
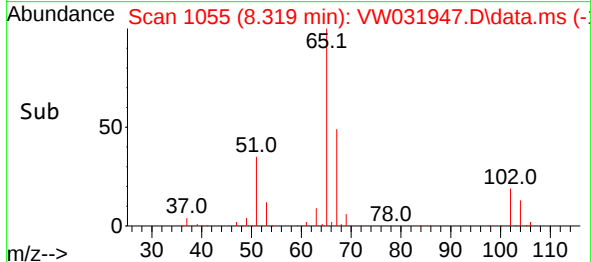
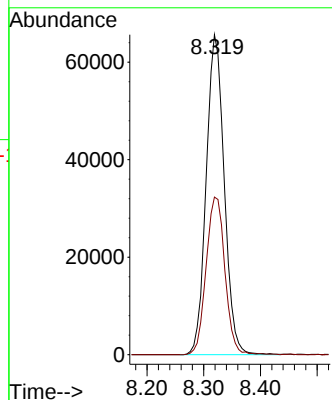
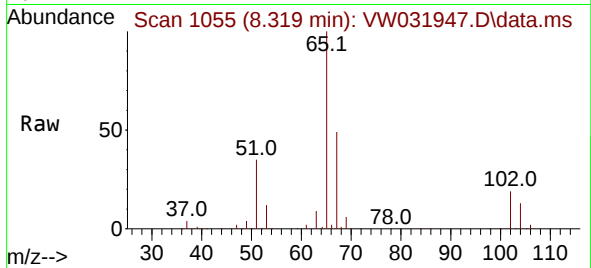




#33
 1,2-Dichloroethane-d4
 Concen: 53.850 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031947.D
 Acq: 28 Jul 2025 15:46

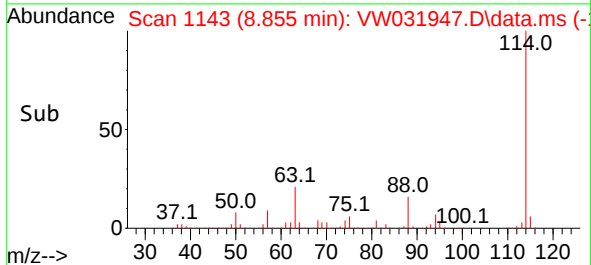
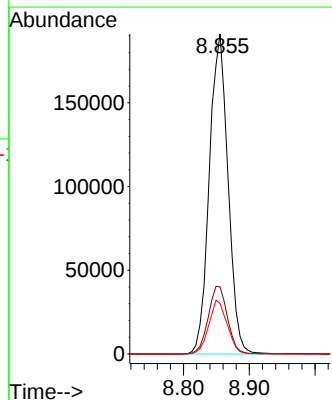
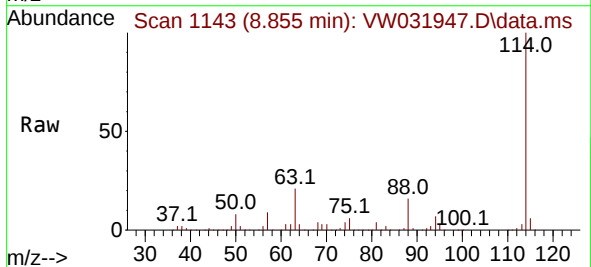
Instrument :
 MSVOA_W
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 VIBLK

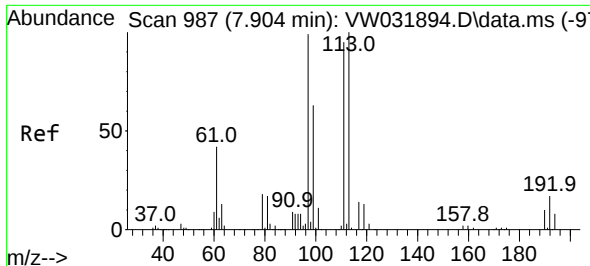
Tgt Ion: 65 Resp: 144893
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW031947.D
 Acq: 28 Jul 2025 15:46

Tgt Ion: 114 Resp: 377849
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.2
 88 15.8 0.0 35.6

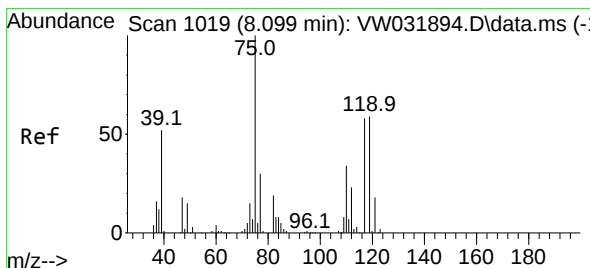
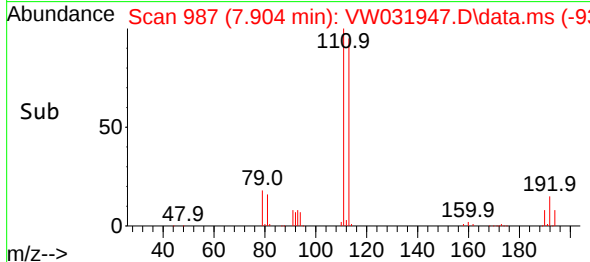
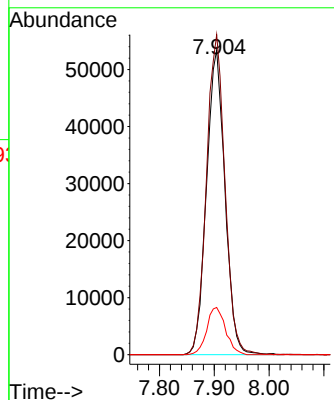
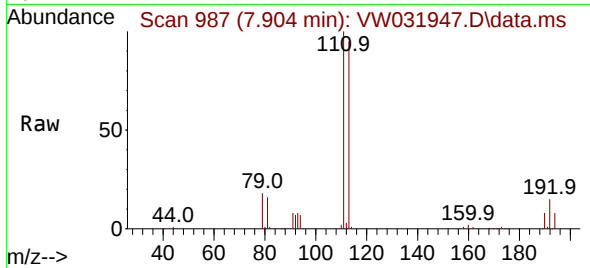




#35
 Dibromofluoromethane
 Concen: 48.508 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031947.D
 Acq: 28 Jul 2025 15:46

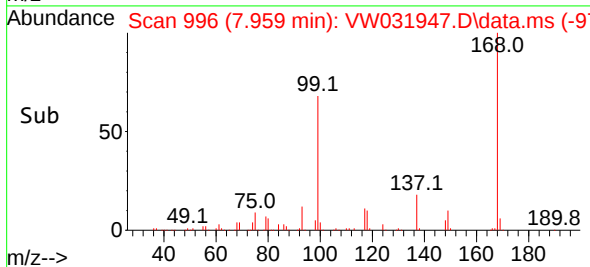
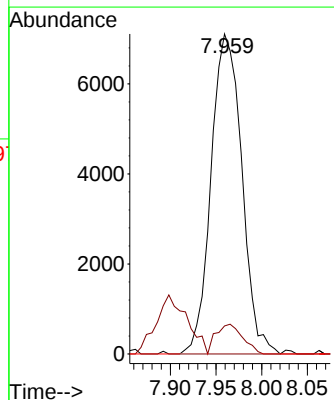
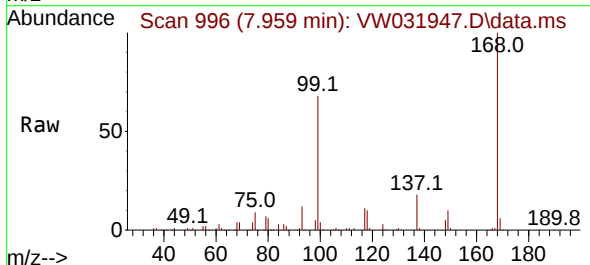
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

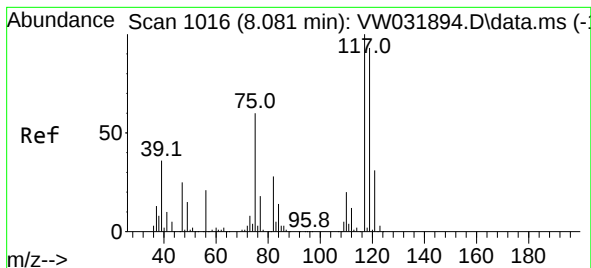
Tgt Ion:	113	Resp:	124546
Ion Ratio	Lower	Upper	
113	100		
111	105.5	79.9	119.9
192	15.8	12.6	19.0



#36
 1,1-Dichloropropene
 Concen: 4.215 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031947.D
 Acq: 28 Jul 2025 15:46

Tgt Ion:	75	Resp:	16618
Ion Ratio	Lower	Upper	
75	100		
110	8.1	17.0	50.9#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.598 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031947.D

Acq: 28 Jul 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

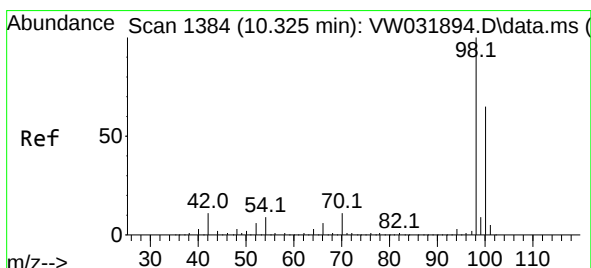
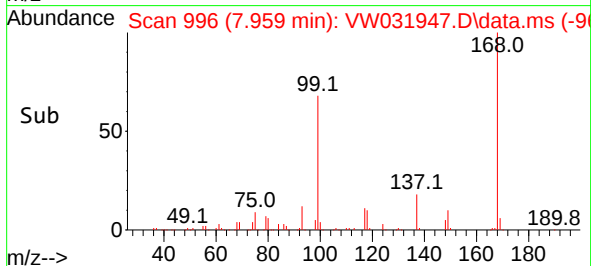
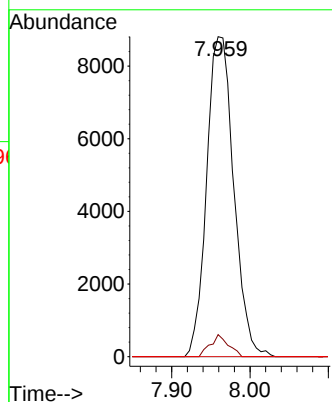
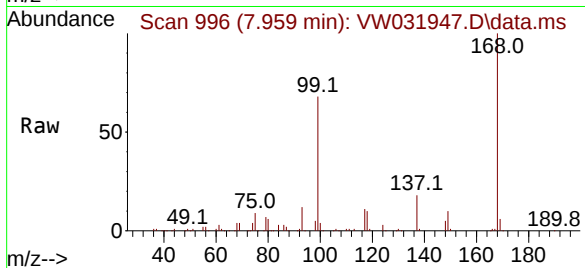
Tgt Ion:117 Resp: 21184

Ion Ratio Lower Upper

117 100

119 6.9 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 48.755 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031947.D

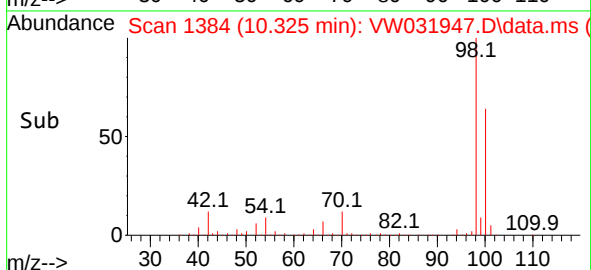
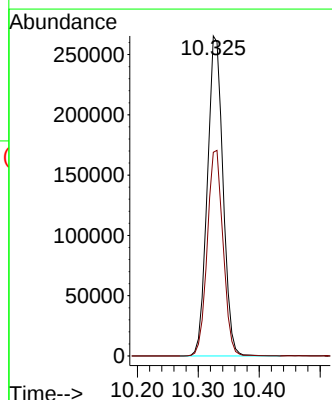
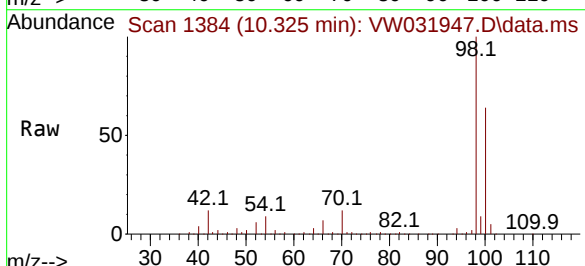
Acq: 28 Jul 2025 15:46

Tgt Ion: 98 Resp: 473763

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5

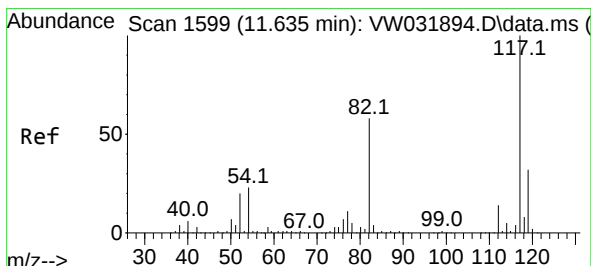
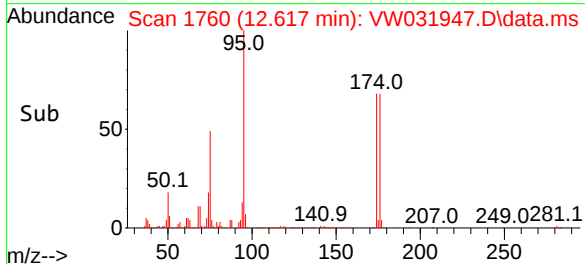
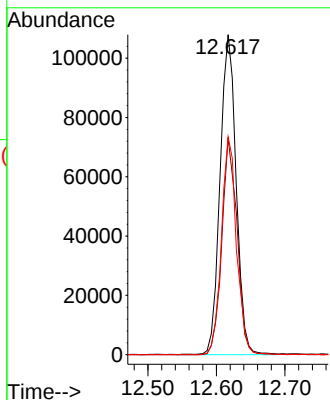
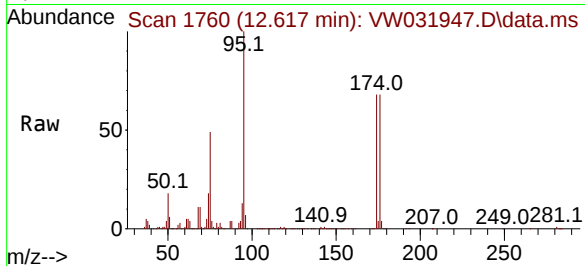




#62
4-Bromofluorobenzene
Concen: 47.029 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

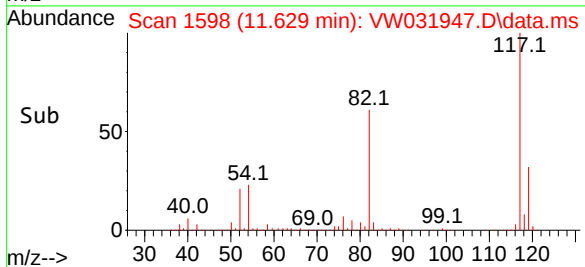
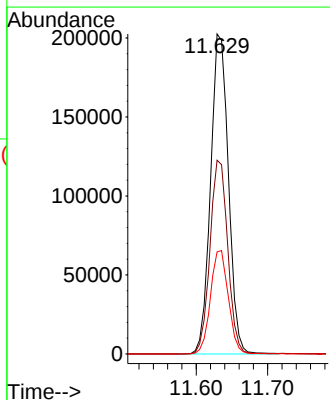
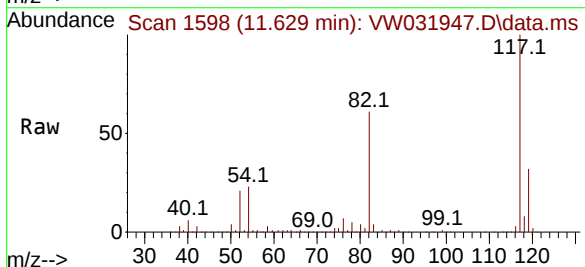
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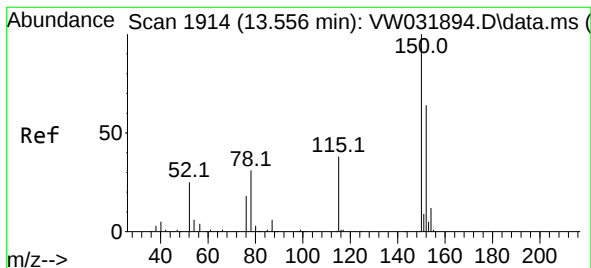
Tgt Ion: 95 Resp: 175479
Ion Ratio Lower Upper
95 100
174 64.0 0.0 129.8
176 64.0 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Tgt Ion: 117 Resp: 350674
Ion Ratio Lower Upper
117 100
82 60.5 46.5 69.7
119 31.9 25.8 38.6

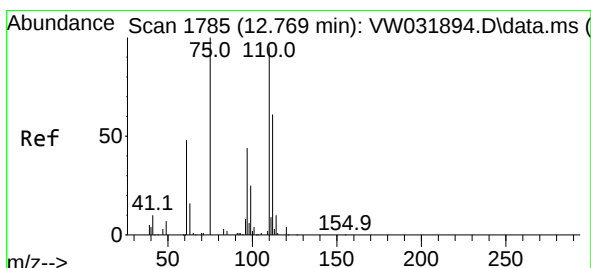
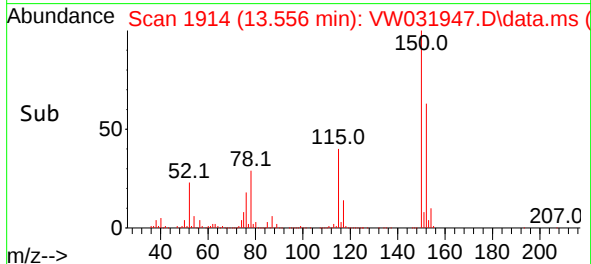
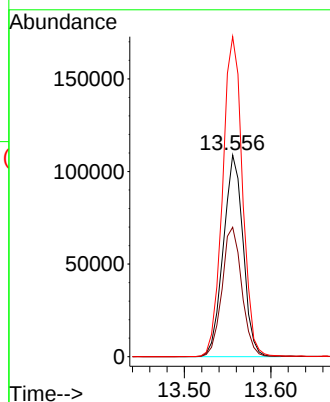
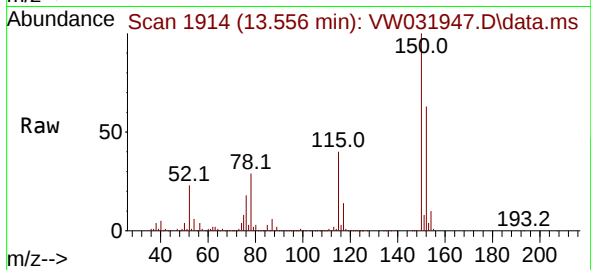




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

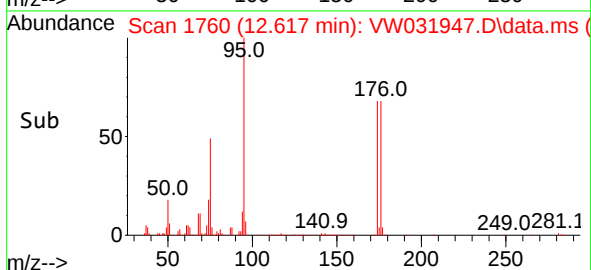
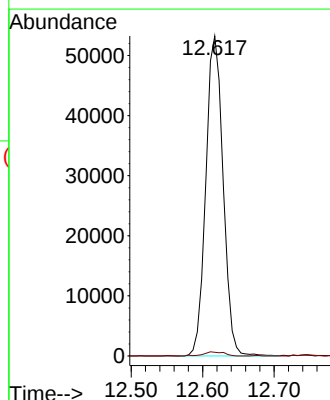
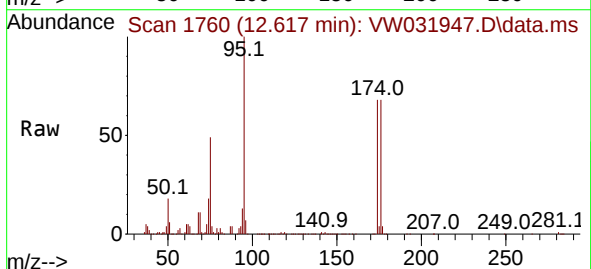
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

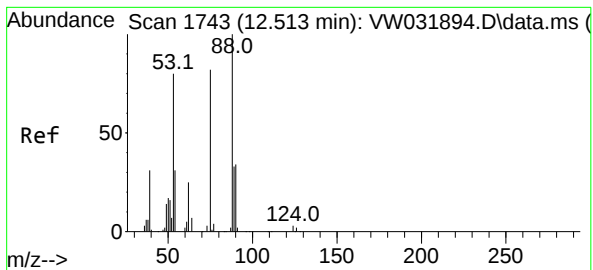
Tgt Ion:152 Resp: 172952
Ion Ratio Lower Upper
152 100
115 64.2 33.4 100.1
150 159.3 0.0 352.2



#76
1,2,3-Trichloropropane
Concen: 37.465 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Tgt Ion: 75 Resp: 89461
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.496 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031947.D
 Acq: 28 Jul 2025 15:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 89461
 Ion Ratio Lower Upper
 75 100
 53 0.4 83.7 125.5#
 89 0.0 39.0 58.6#

