

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073025\
 Data File : VW031962.D
 Acq On : 30 Jul 2025 15:06
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 31 02:32:37 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)

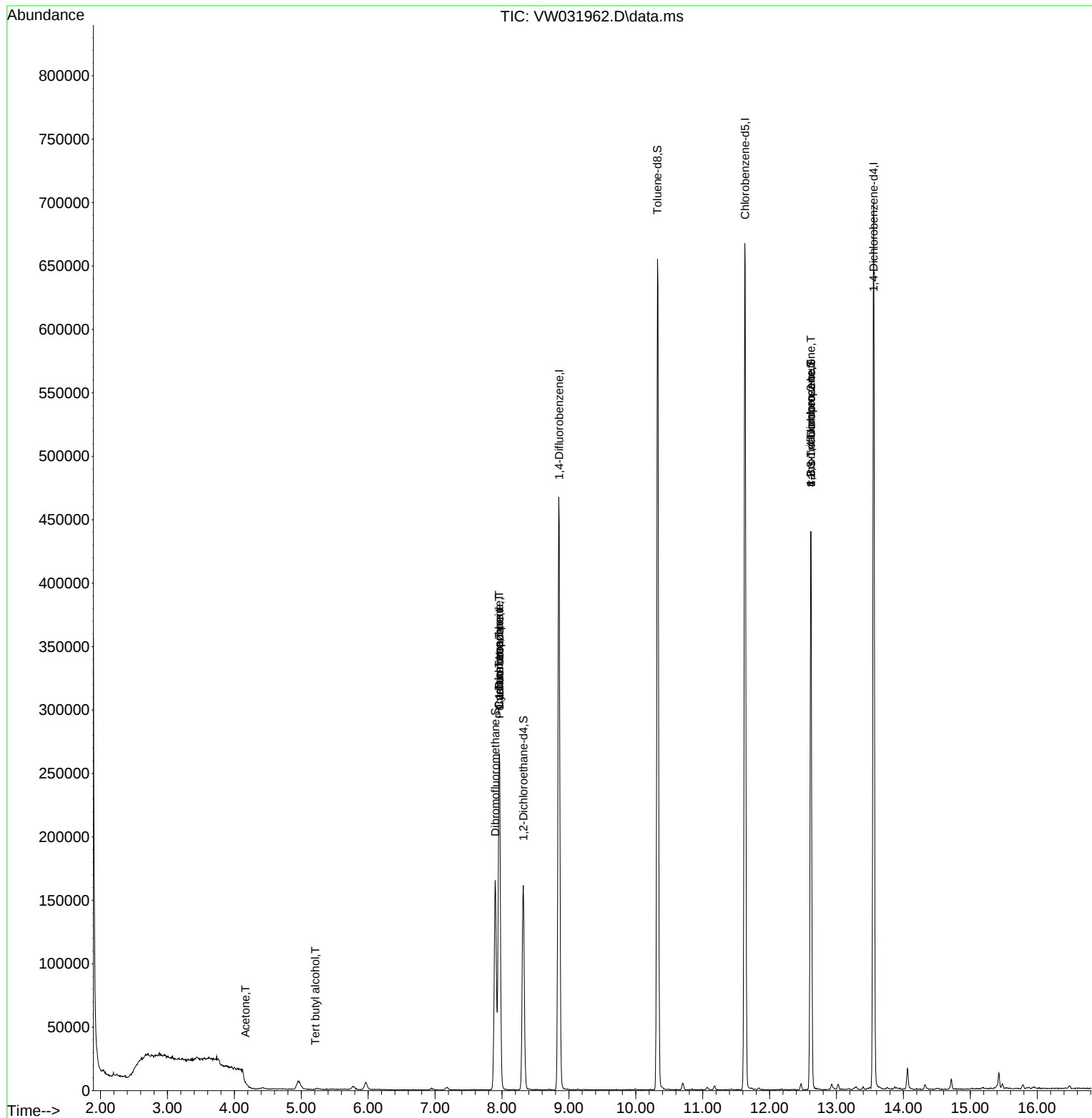
Internal Standards						
1) Pentafluorobenzene	7.965	168	182310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	370418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135887	49.272	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	98.540%	
35) Dibromofluoromethane	7.898	113	119191	45.322	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	90.640%	
50) Toluene-d8	10.325	98	428575	43.059	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	86.120%	
62) 4-Bromofluorobenzene	12.617	95	158012	41.345	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	82.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	271	1.672	ug/l #	72
13) Acrolein	3.935	56	85	Below Cal	#	8
16) Acetone	4.167	43	4042	6.176	ug/l #	79
20) Methylene Chloride	4.954	84	5801	Below Cal		91
31) Cyclohexane	7.959	56	4481	1.059	ug/l #	8
36) 1,1-Dichloropropene	7.959	75	17867	4.424	ug/l #	50
38) Carbon Tetrachloride	7.959	117	21524	5.553	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	81848	33.987	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	81848	78.466	ug/l #	8

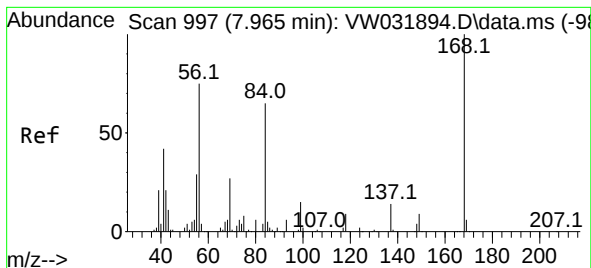
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

Lab File: VW031962.D

Acq: 30 Jul 2025 15:06

Instrument :

MSVOA_W

ClientSampleId :

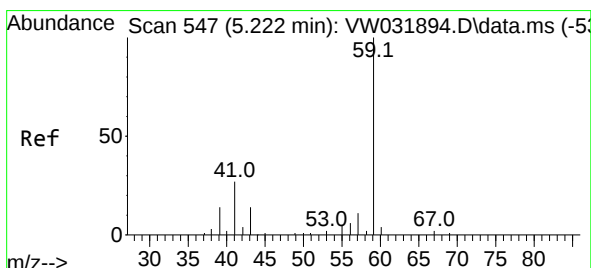
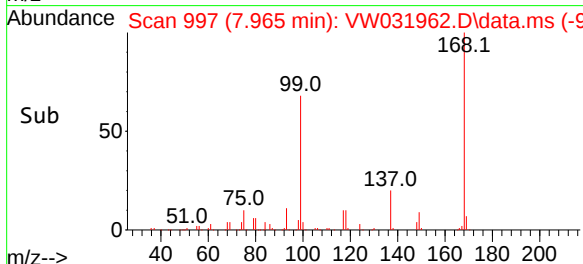
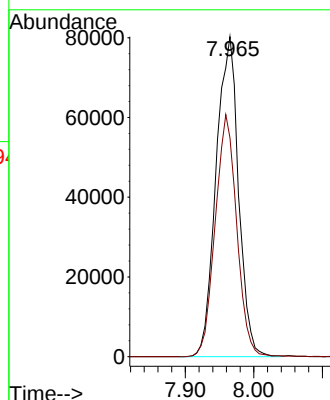
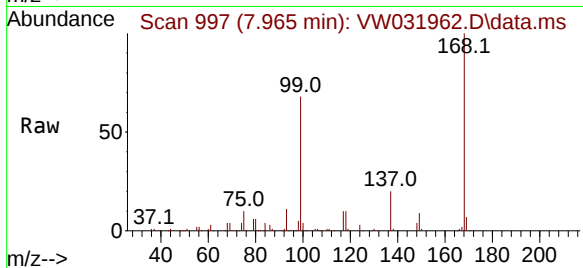
VIBLK

Tgt Ion:168 Resp: 182310

Ion Ratio Lower Upper

168 100

99 68.4 48.2 72.2



#11

Tert butyl alcohol

Concen: 1.672 ug/l

RT: 5.210 min Scan# 545

Delta R.T. -0.012 min

Lab File: VW031962.D

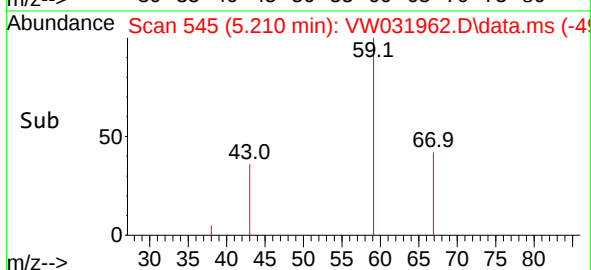
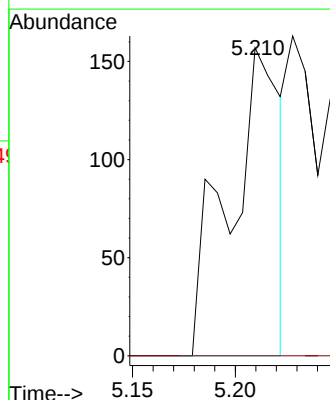
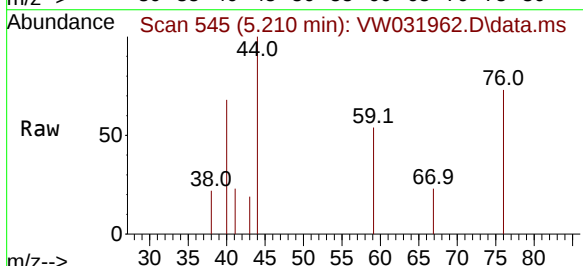
Acq: 30 Jul 2025 15:06

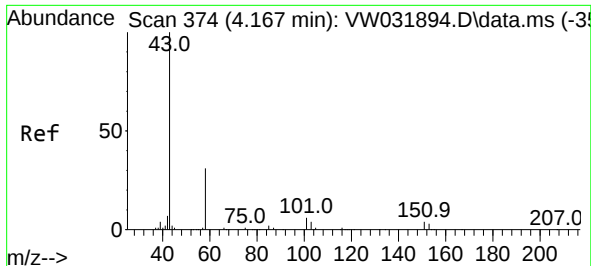
Tgt Ion: 59 Resp: 271

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

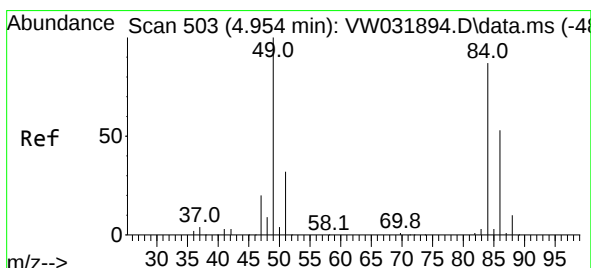
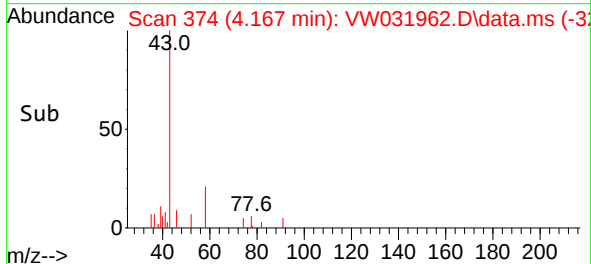
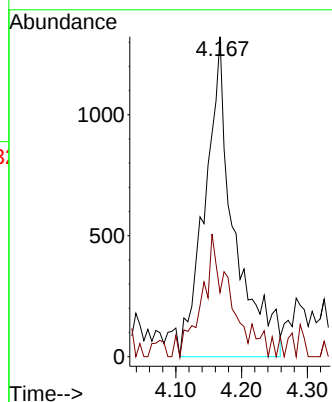
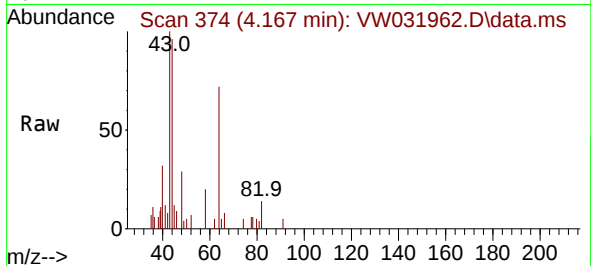




#16
Acetone
Concen: 6.176 ug/l
RT: 4.167 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

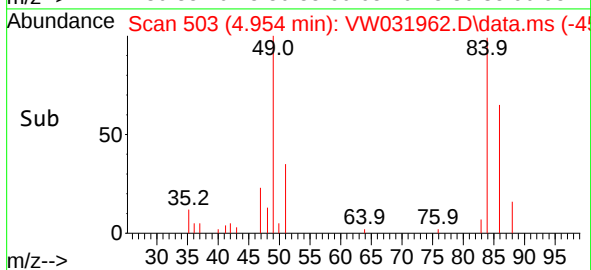
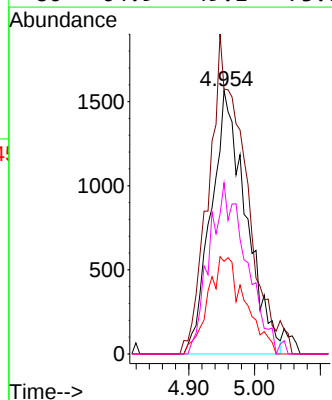
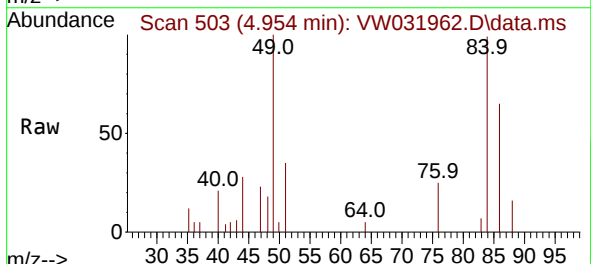
Instrument :
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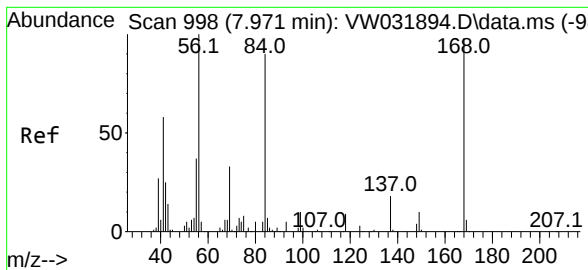
Tgt Ion: 43 Resp: 4042
Ion Ratio Lower Upper
43 100
58 20.0 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

Tgt Ion: 84 Resp: 5801
Ion Ratio Lower Upper
84 100
49 100.5 91.9 137.9
51 35.2 29.0 43.6
86 64.9 49.1 73.7

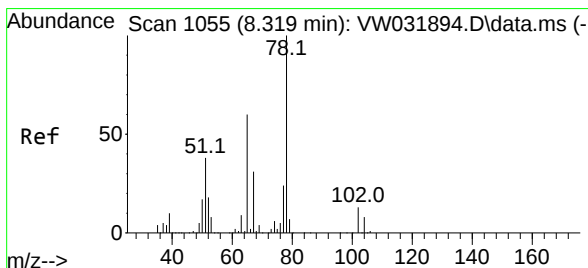
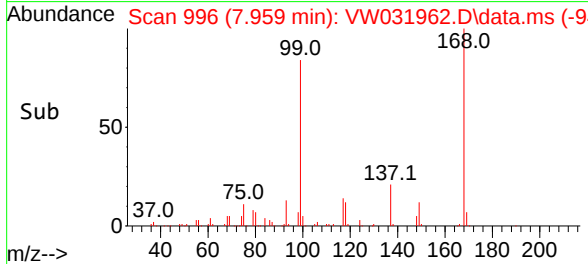
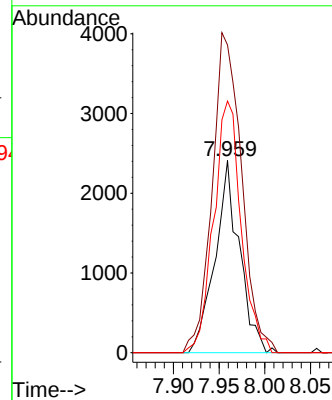
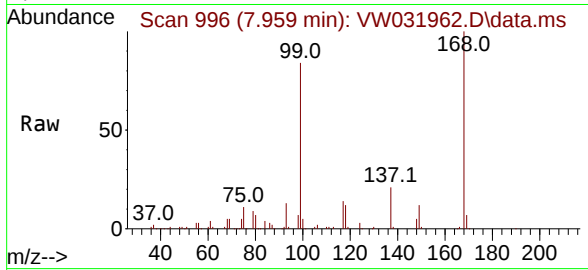




#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

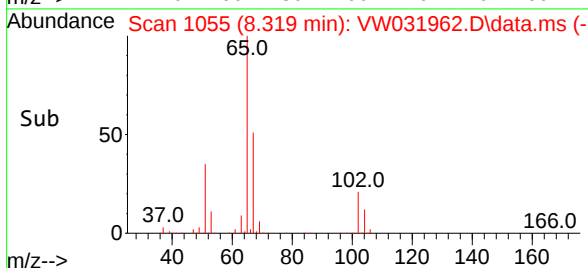
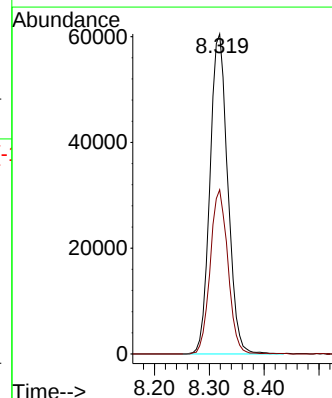
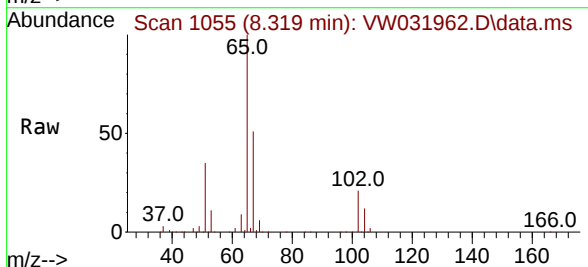
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

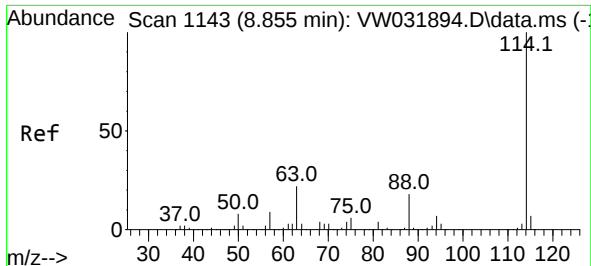
Tgt Ion: 56 Resp: 4481
Ion Ratio Lower Upper
56 100
69 160.1 26.7 40.1#
84 130.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.272 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

Tgt Ion: 65 Resp: 135887
Ion Ratio Lower Upper
65 100
67 51.0 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: VW031962.D

Acq: 30 Jul 2025 15:06

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

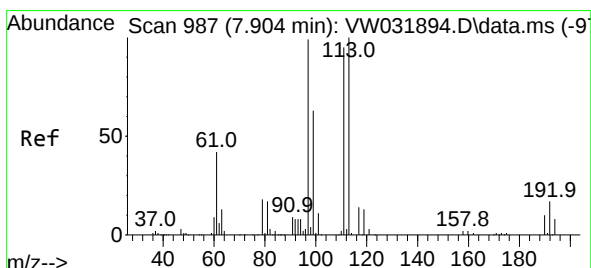
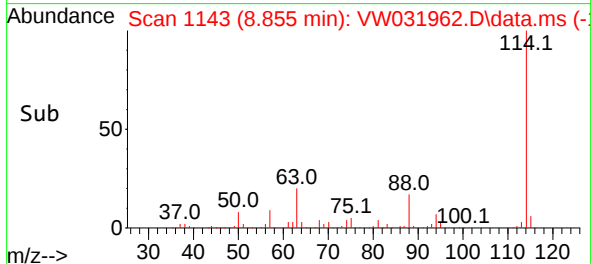
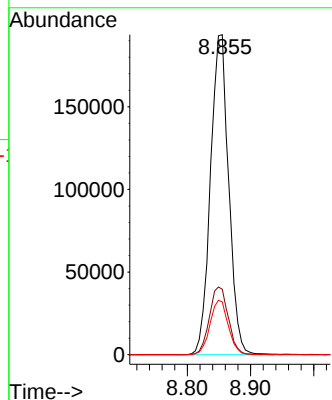
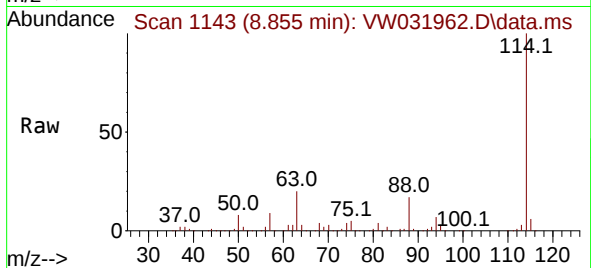
Tgt Ion:114 Resp: 387020

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 16.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 45.322 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031962.D

Acq: 30 Jul 2025 15:06

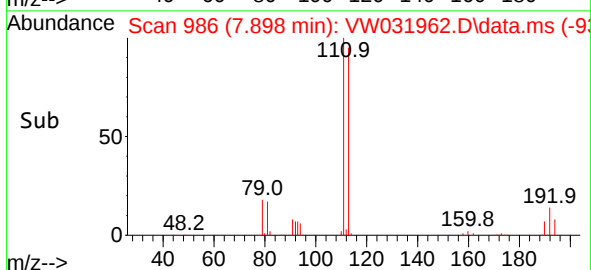
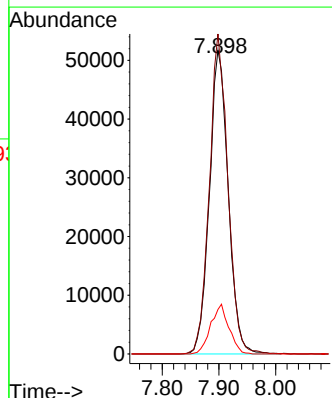
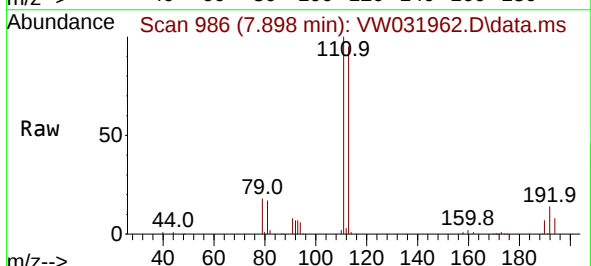
Tgt Ion:113 Resp: 119191

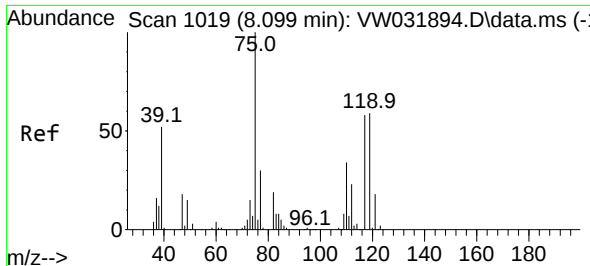
Ion Ratio Lower Upper

113 100

111 103.6 79.9 119.9

192 15.9 12.6 19.0

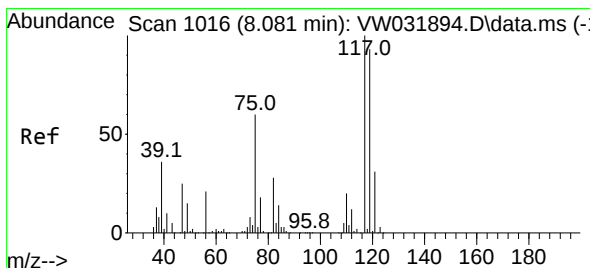
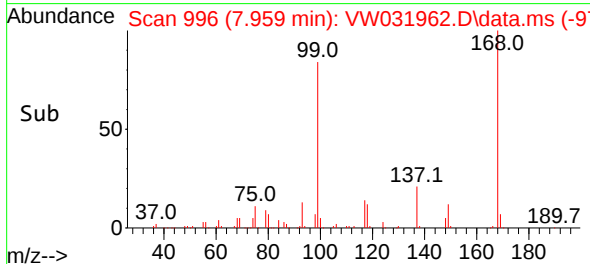
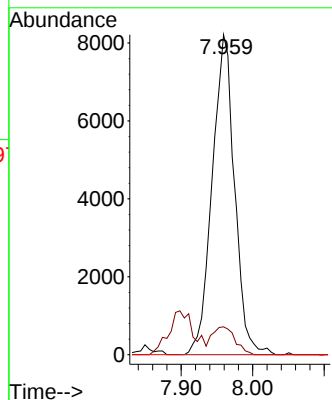
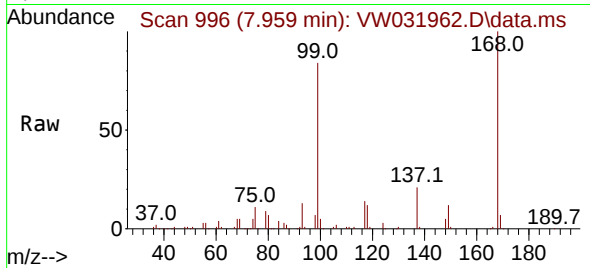




#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

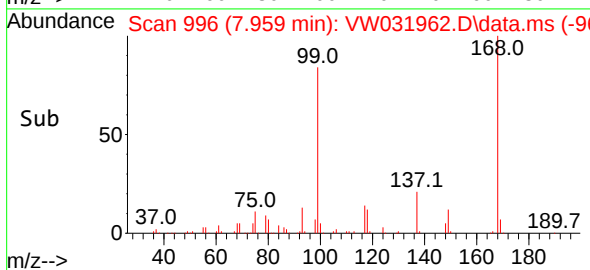
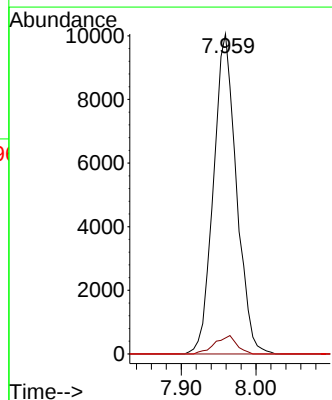
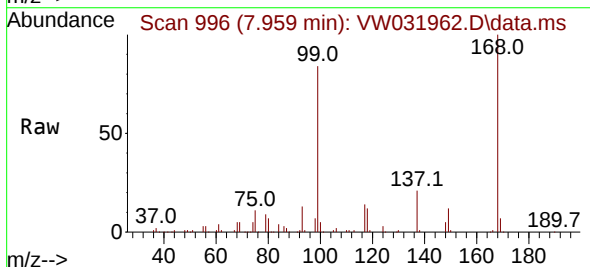
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VIBLK

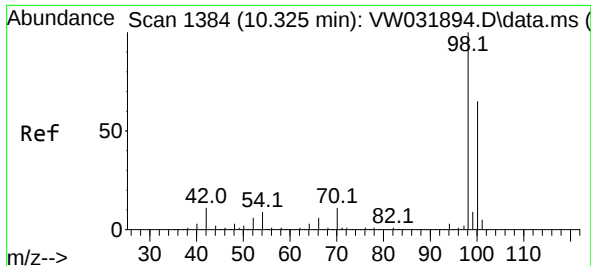
Tgt Ion: 75 Resp: 17867
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.553 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

Tgt Ion: 117 Resp: 21524
Ion Ratio Lower Upper
117 100
119 5.0 74.3 111.5#
121 0.0 24.6 37.0#

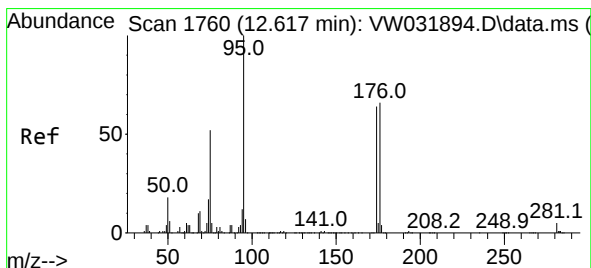
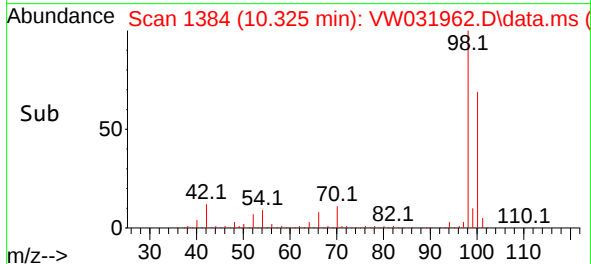
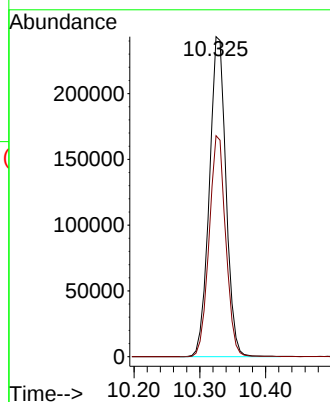
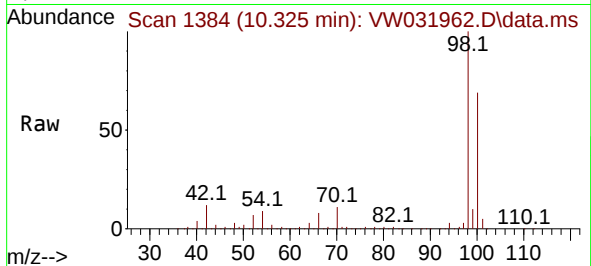




#50
Toluene-d8
Concen: 43.059 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

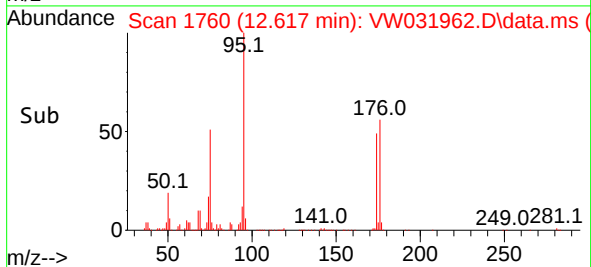
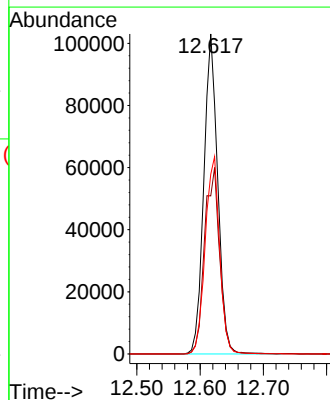
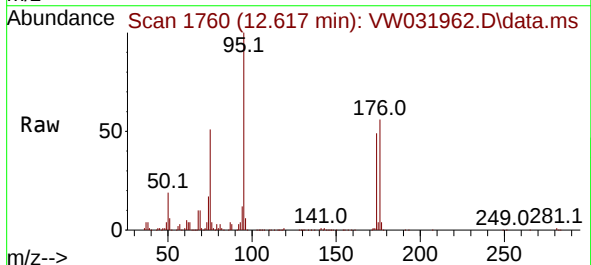
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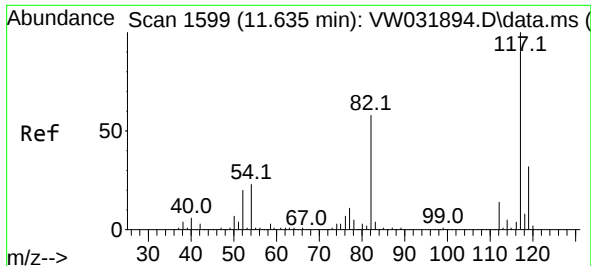
Tgt Ion: 98 Resp: 428575
Ion Ratio Lower Upper
98 100
100 68.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.345 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

Tgt Ion: 95 Resp: 158012
Ion Ratio Lower Upper
95 100
174 63.3 0.0 129.8
176 64.1 0.0 130.4

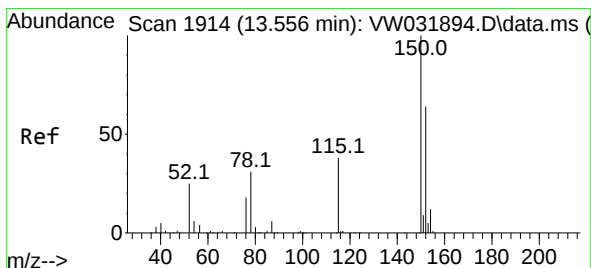
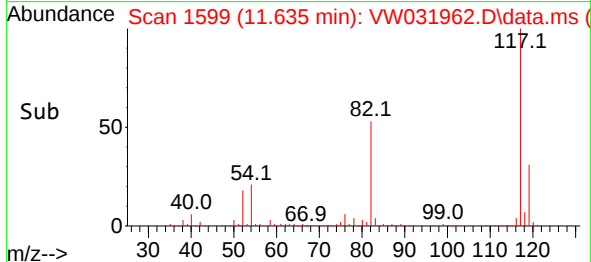
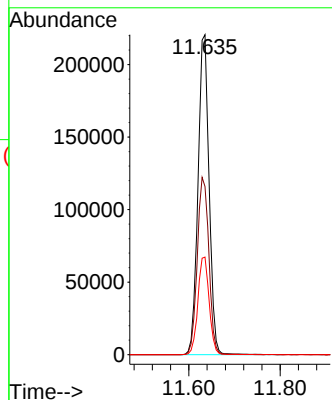
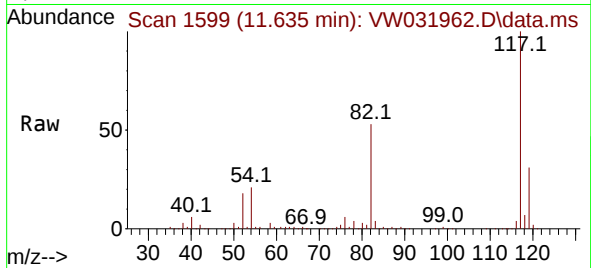




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

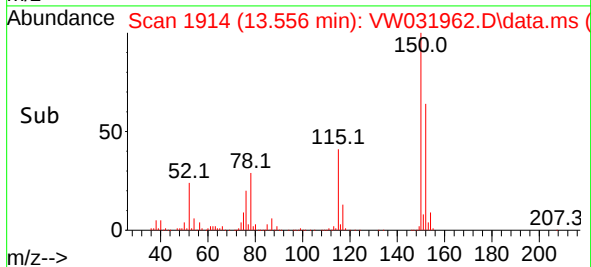
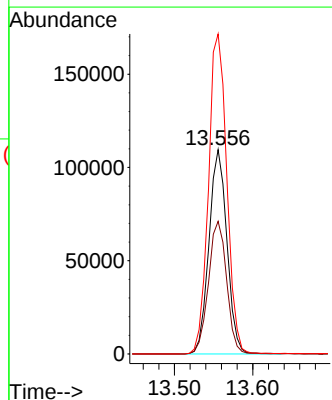
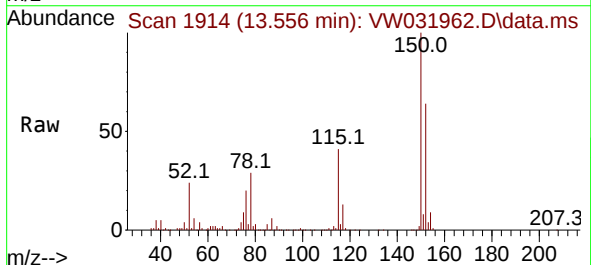
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

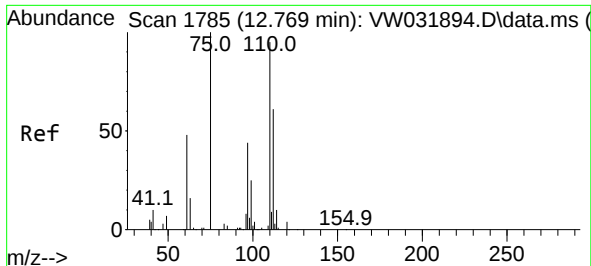
Tgt Ion:117 Resp: 370418
Ion Ratio Lower Upper
117 100
82 52.6 46.5 69.7
119 30.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

Tgt Ion:152 Resp: 174427
Ion Ratio Lower Upper
152 100
115 65.9 33.4 100.1
150 159.9 0.0 352.2

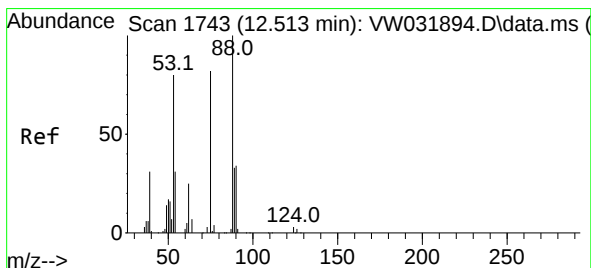
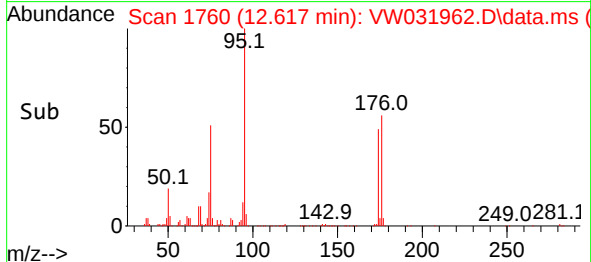
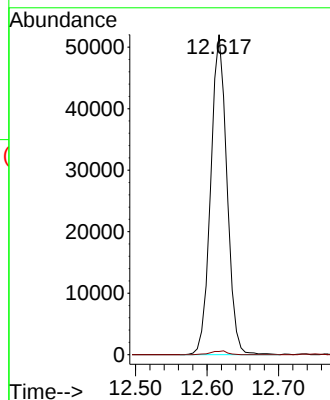
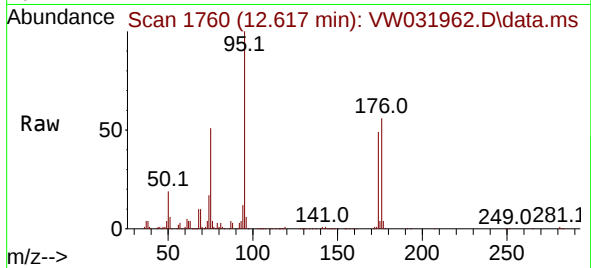




#76
1,2,3-Trichloropropane
Concen: 33.987 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 81848
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.466 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031962.D
Acq: 30 Jul 2025 15:06

Tgt Ion: 75 Resp: 81848
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.1 39.0 58.6#

