

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031972.D
 Acq On : 01 Aug 2025 09:21
 Operator : SY/MD
 Sample : VW0801SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0801SBL01

Quant Time: Aug 01 23:07:31 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)

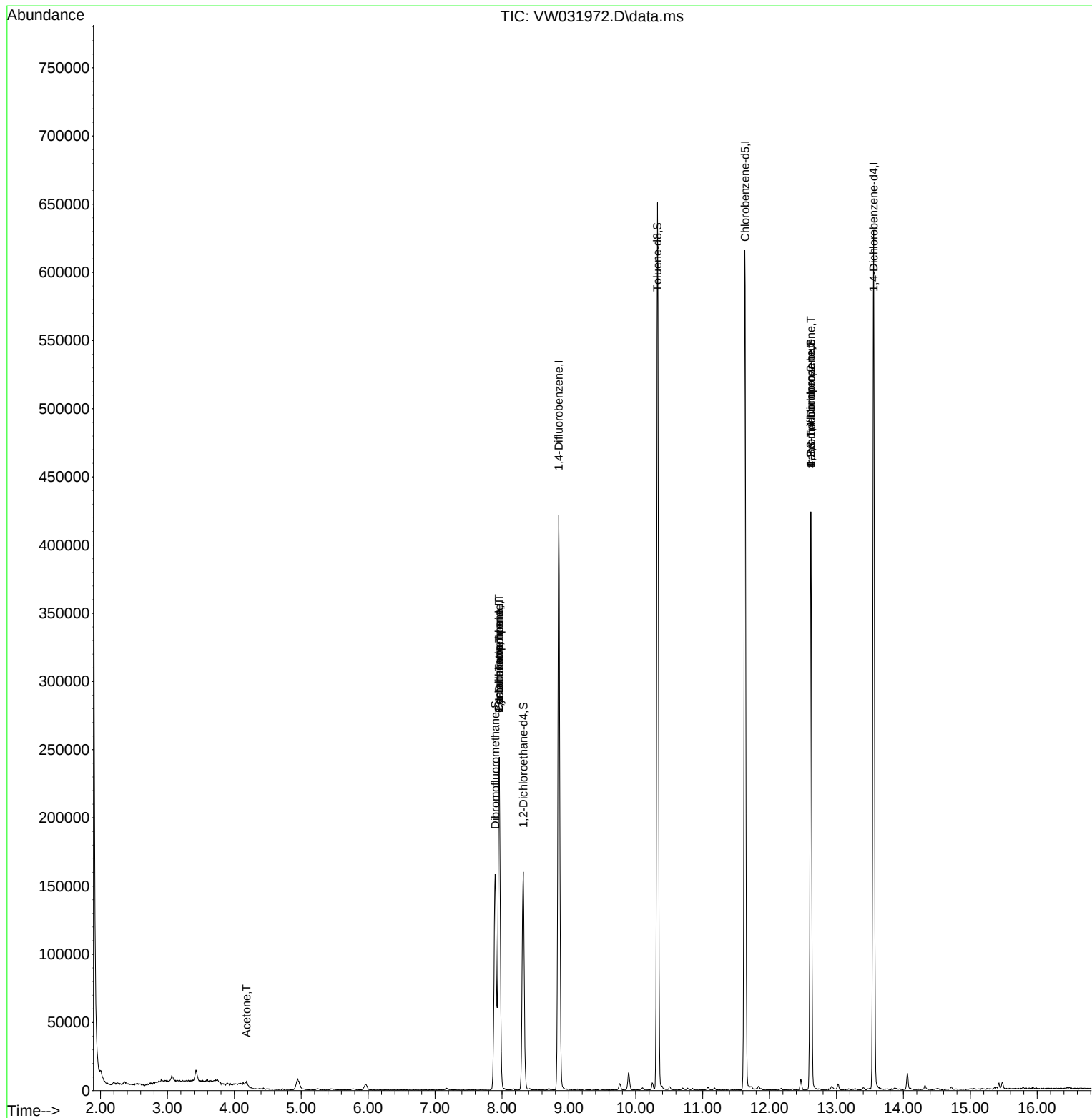
Internal Standards						
1) Pentafluorobenzene	7.959	168	165069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	350388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	344045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131178	52.533	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.060%			
35) Dibromofluoromethane	7.898	113	116693	49.011	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.020%			
50) Toluene-d8	10.325	98	422958	46.938	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 93.880%			
62) 4-Bromofluorobenzene	12.617	95	152294	44.015	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 88.020%			
Target Compounds						
13) Acrolein	3.942	56	161	Below Cal	#	78
16) Acetone	4.180	43	4973	8.393	ug/l	97
20) Methylene Chloride	4.948	84	6550	Below Cal	#	89
31) Cyclohexane	7.959	56	4136	1.080	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	15740	4.305	ug/l	# 50
38) Carbon Tetrachloride	7.959	117	18935	5.396	ug/l	# 17
76) 1,2,3-Trichloropropane	12.617	75	77189	35.771	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	77189	82.584	ug/l	# 8

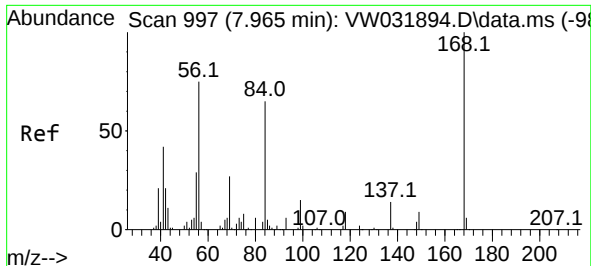
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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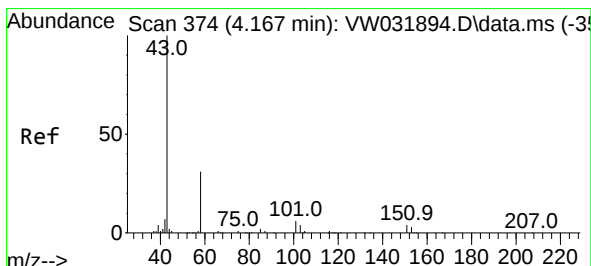
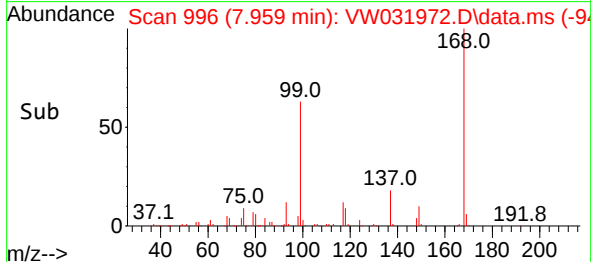
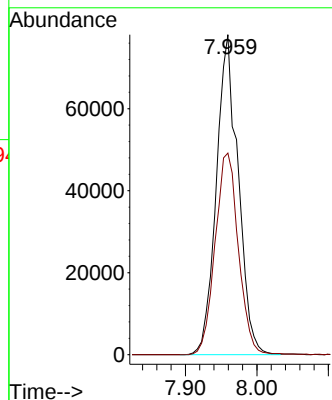
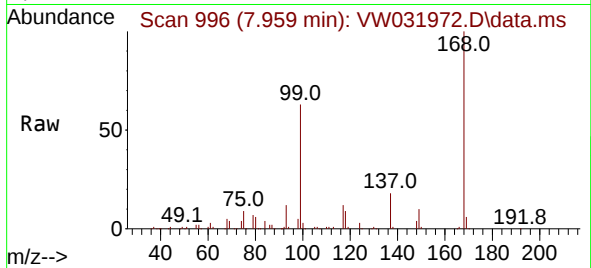




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

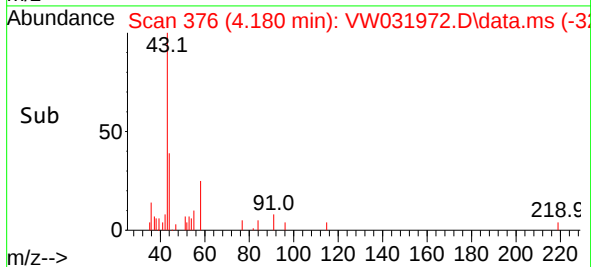
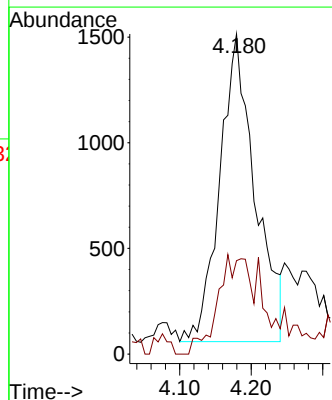
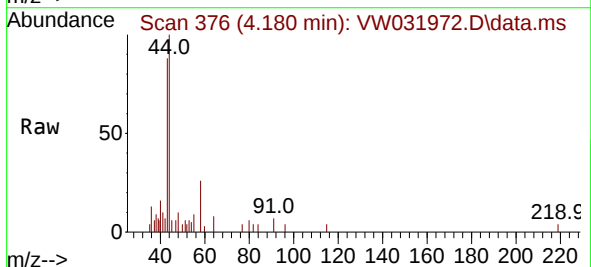
Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

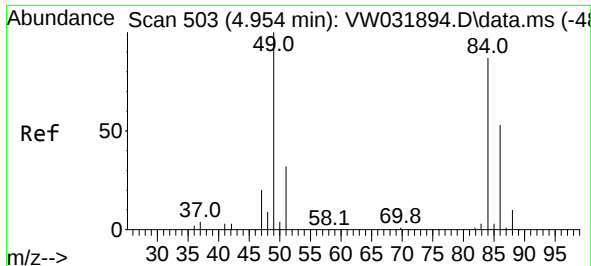
Tgt Ion:168 Resp: 165069
Ion Ratio Lower Upper
168 100
99 63.0 48.2 72.2



#16
Acetone
Concen: 8.393 ug/l
RT: 4.180 min Scan# 376
Delta R.T. 0.012 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion: 43 Resp: 4973
Ion Ratio Lower Upper
43 100
58 30.4 25.5 38.3

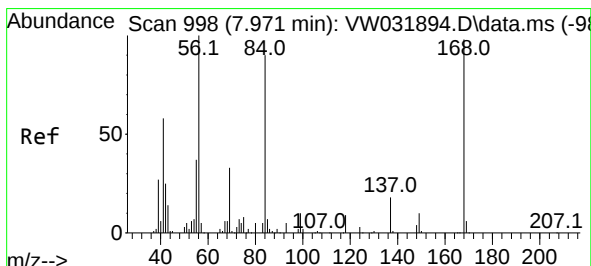
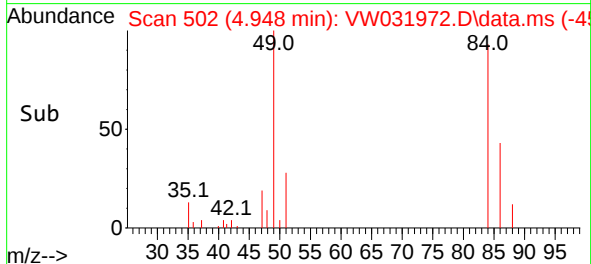
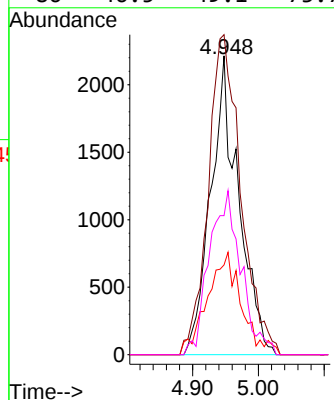
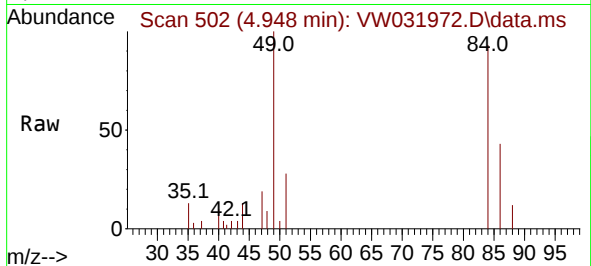




#20
Methylene Chloride
Concen: Below Cal
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

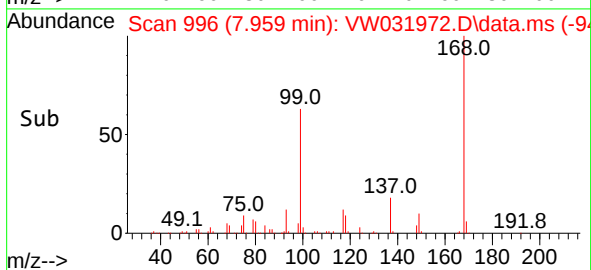
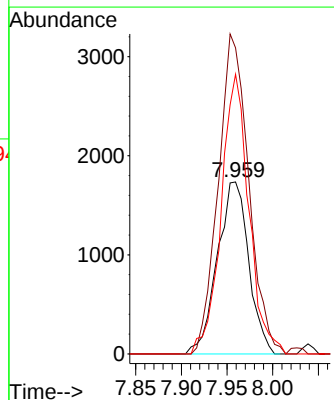
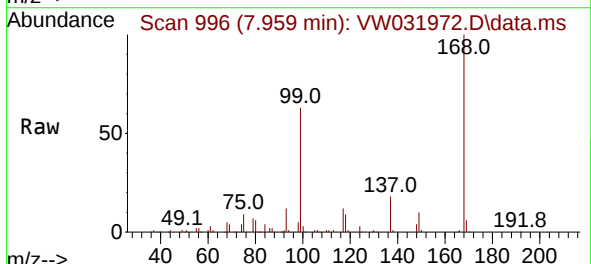
Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

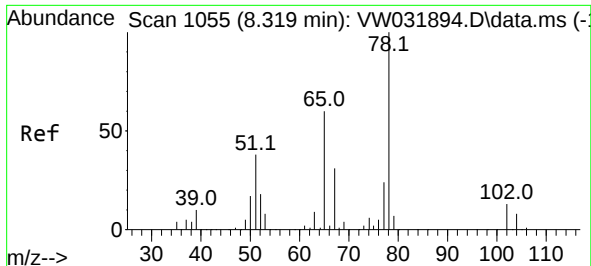
Tgt Ion:	84	Resp:	6550
Ion	Ratio	Lower	Upper
84	100		
49	107.1	91.9	137.9
51	30.0	29.0	43.6
86	46.5	49.1	73.7#



#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion:	56	Resp:	4136
Ion	Ratio	Lower	Upper
56	100		
69	177.9	26.7	40.1#
84	162.6	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 52.533 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031972.D

Acq: 01 Aug 2025 09:21

Instrument :

MSVOA_W

ClientSampleId :

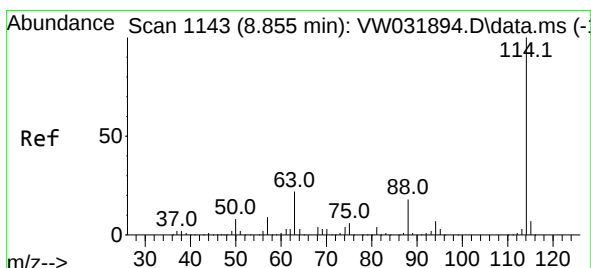
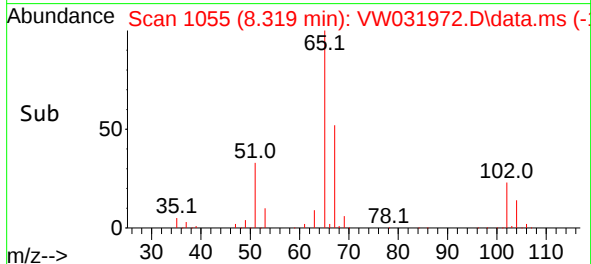
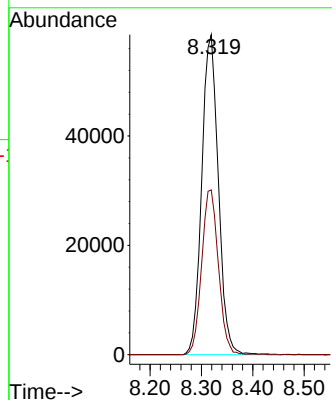
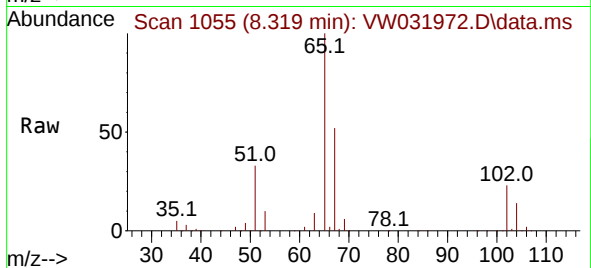
VW0801SBL01

Tgt Ion: 65 Resp: 131178

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW031972.D

Acq: 01 Aug 2025 09:21

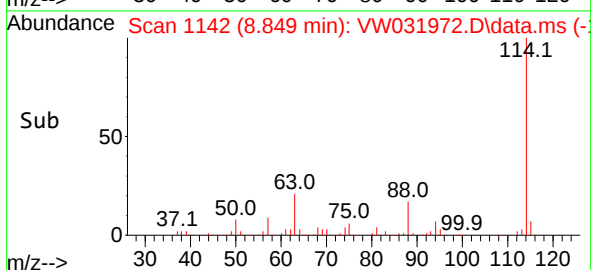
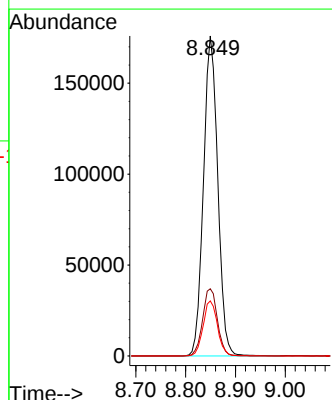
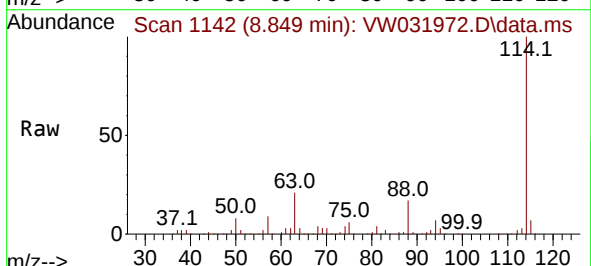
Tgt Ion: 114 Resp: 350388

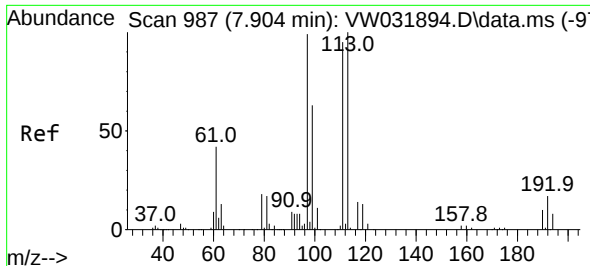
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

88 17.2 0.0 35.6

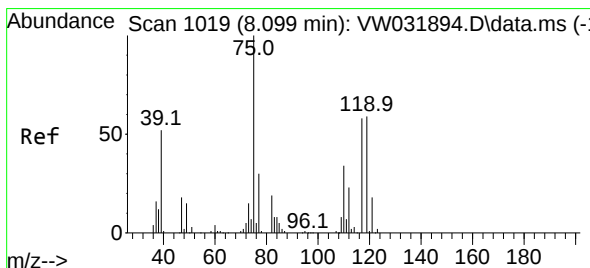
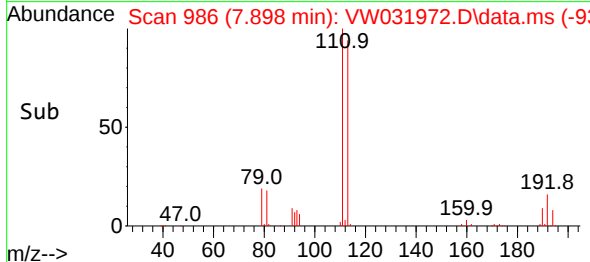
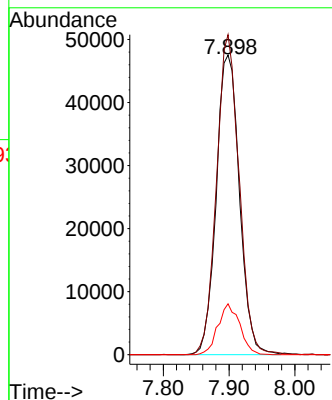
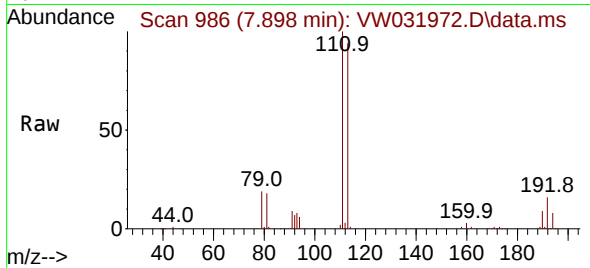




#35
Dibromofluoromethane
Concen: 49.011 ug/l
RT: 7.898 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

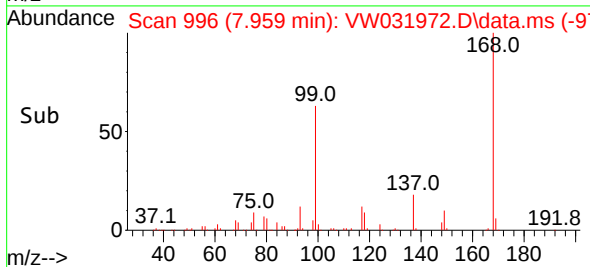
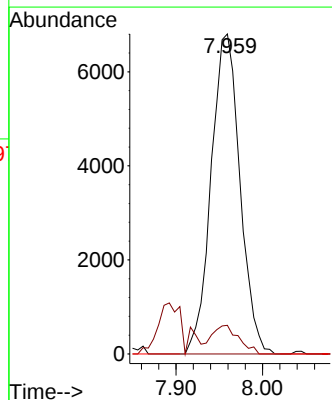
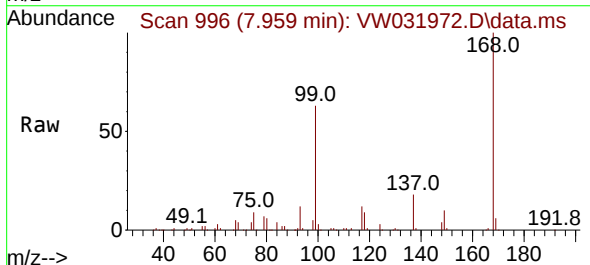
Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

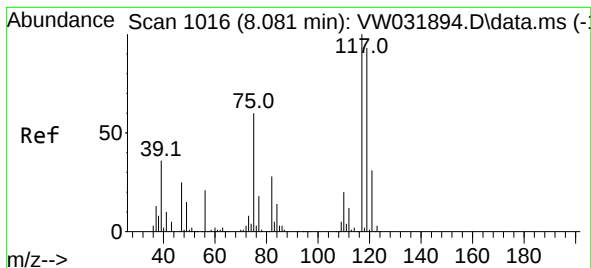
Tgt Ion: 113 Resp: 116693
Ion Ratio Lower Upper
113 100
111 103.9 79.9 119.9
192 16.0 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.305 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion: 75 Resp: 15740
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.396 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031972.D

Acq: 01 Aug 2025 09:21

Instrument :

MSVOA_W

ClientSampleId :

VW0801SBL01

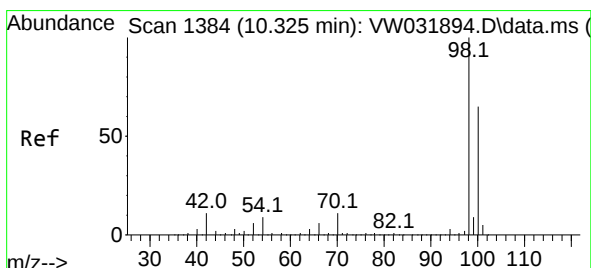
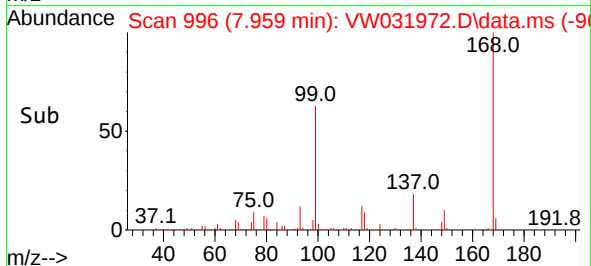
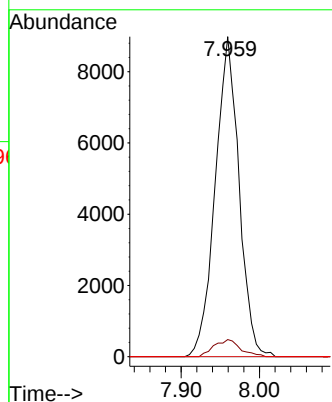
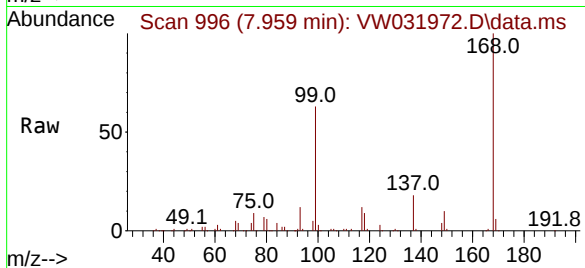
Tgt Ion:117 Resp: 18935

Ion Ratio Lower Upper

117 100

119 5.3 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 46.938 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031972.D

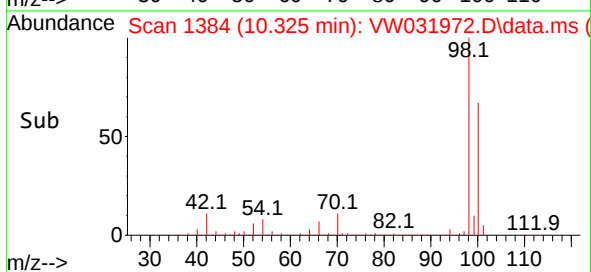
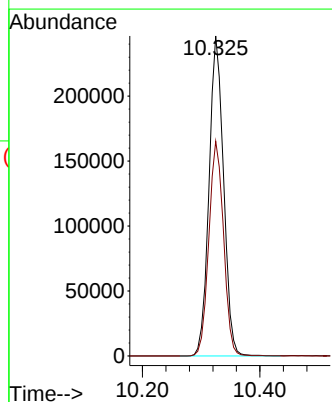
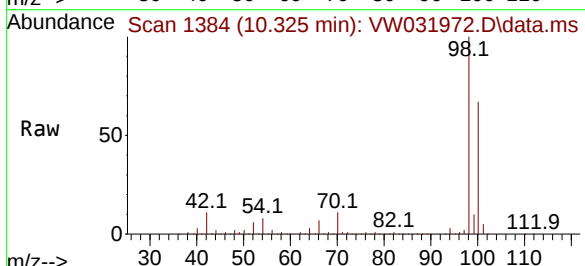
Acq: 01 Aug 2025 09:21

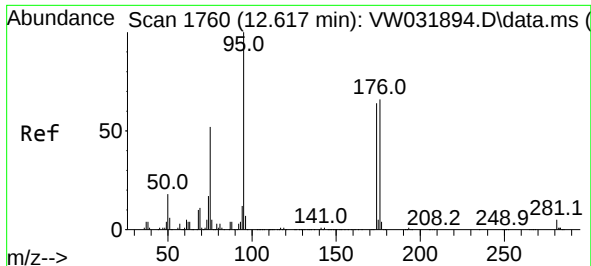
Tgt Ion: 98 Resp: 422958

Ion Ratio Lower Upper

98 100

100 67.9 51.7 77.5

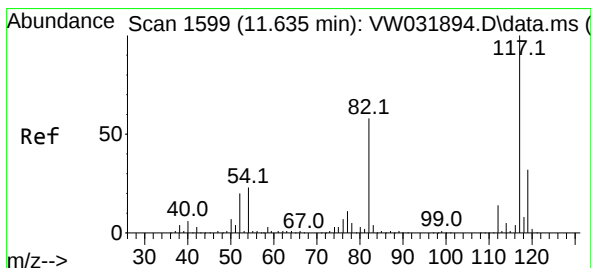
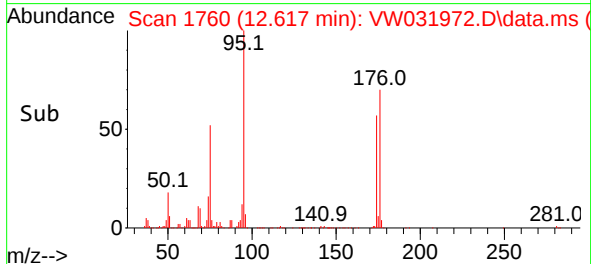
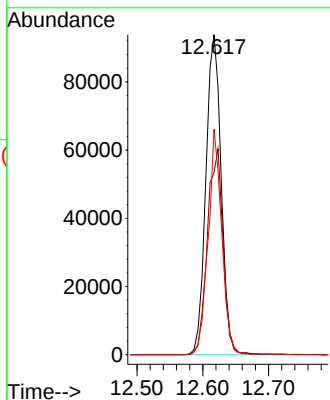
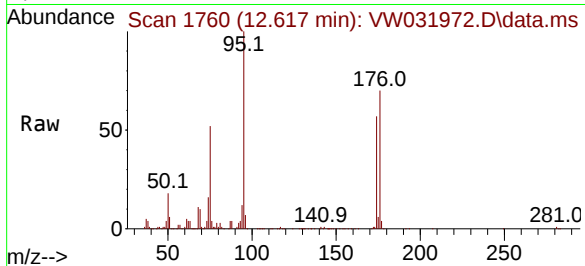




#62
4-Bromofluorobenzene
Concen: 44.015 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

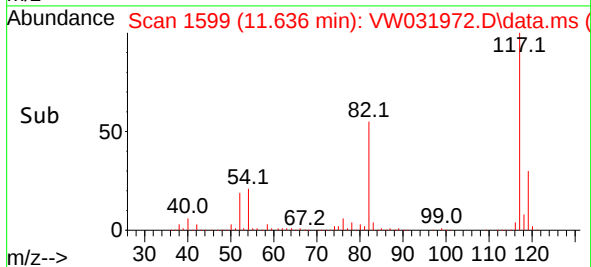
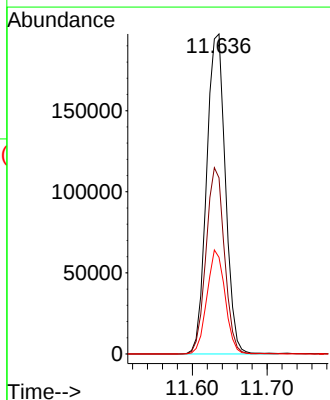
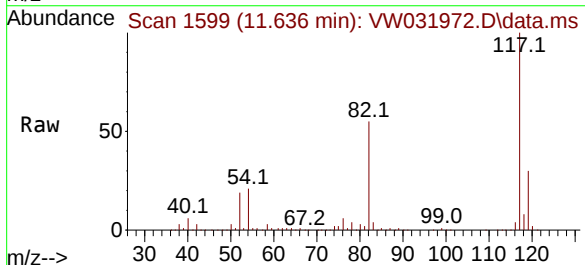
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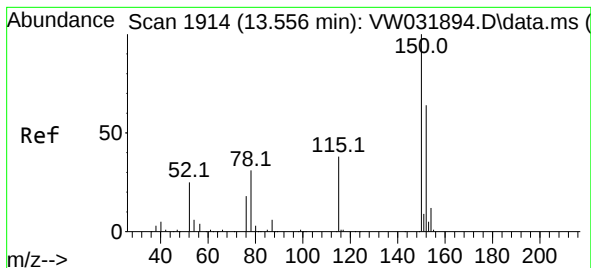
Tgt Ion: 95 Resp: 152294
Ion Ratio Lower Upper
95 100
174 65.5 0.0 129.8
176 62.8 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion: 117 Resp: 344045
Ion Ratio Lower Upper
117 100
82 55.1 46.5 69.7
119 30.2 25.8 38.6

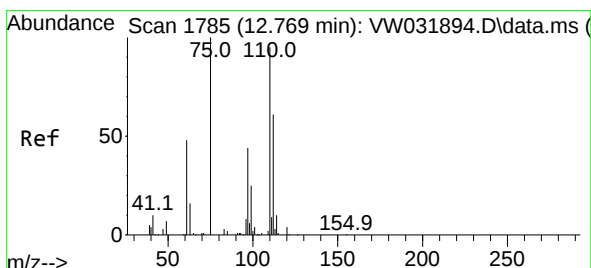
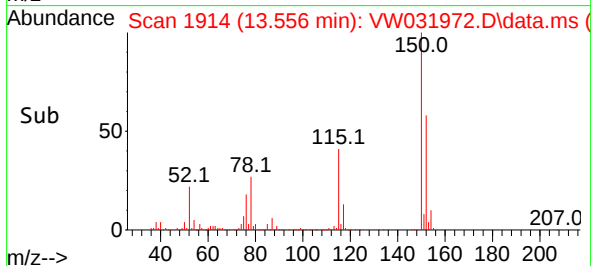
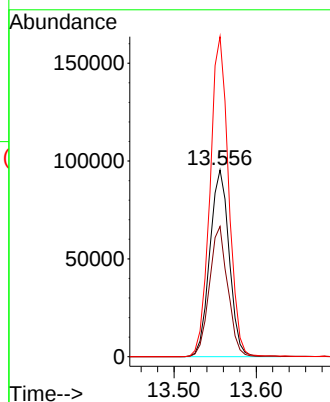
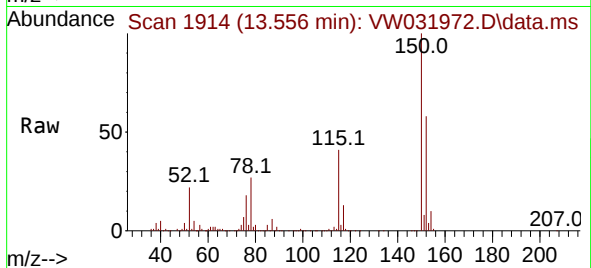




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031972.D
 Acq: 01 Aug 2025 09:21

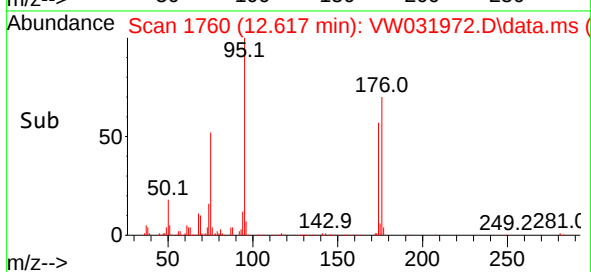
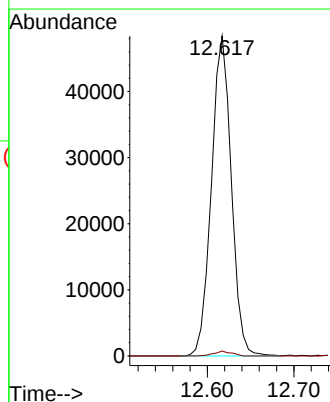
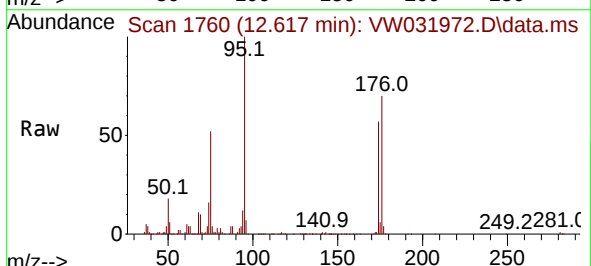
Instrument :
 MSVOA_W
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 VW0801SBL01

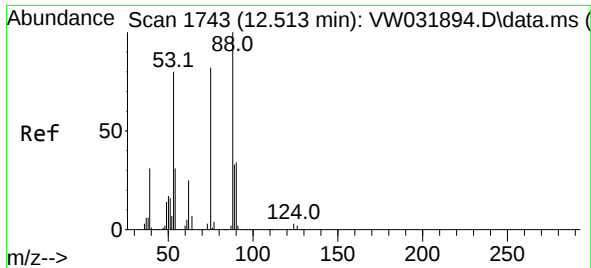
Tgt Ion:152 Resp: 156295
 Ion Ratio Lower Upper
 152 100
 115 66.1 33.4 100.1
 150 164.6 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 35.771 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW031972.D
 Acq: 01 Aug 2025 09:21

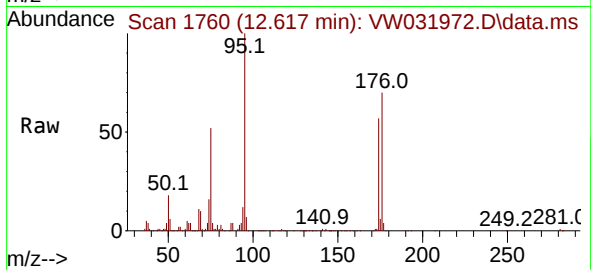
Tgt Ion: 75 Resp: 77189
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.584 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031972.D
 Acq: 01 Aug 2025 09:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0801SBL01



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

