

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031977.D
 Acq On : 01 Aug 2025 11:56
 Operator : SY/MD
 Sample : Q2743-01
 Misc : 5.16g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

Quant Time: Aug 01 23:11:05 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)

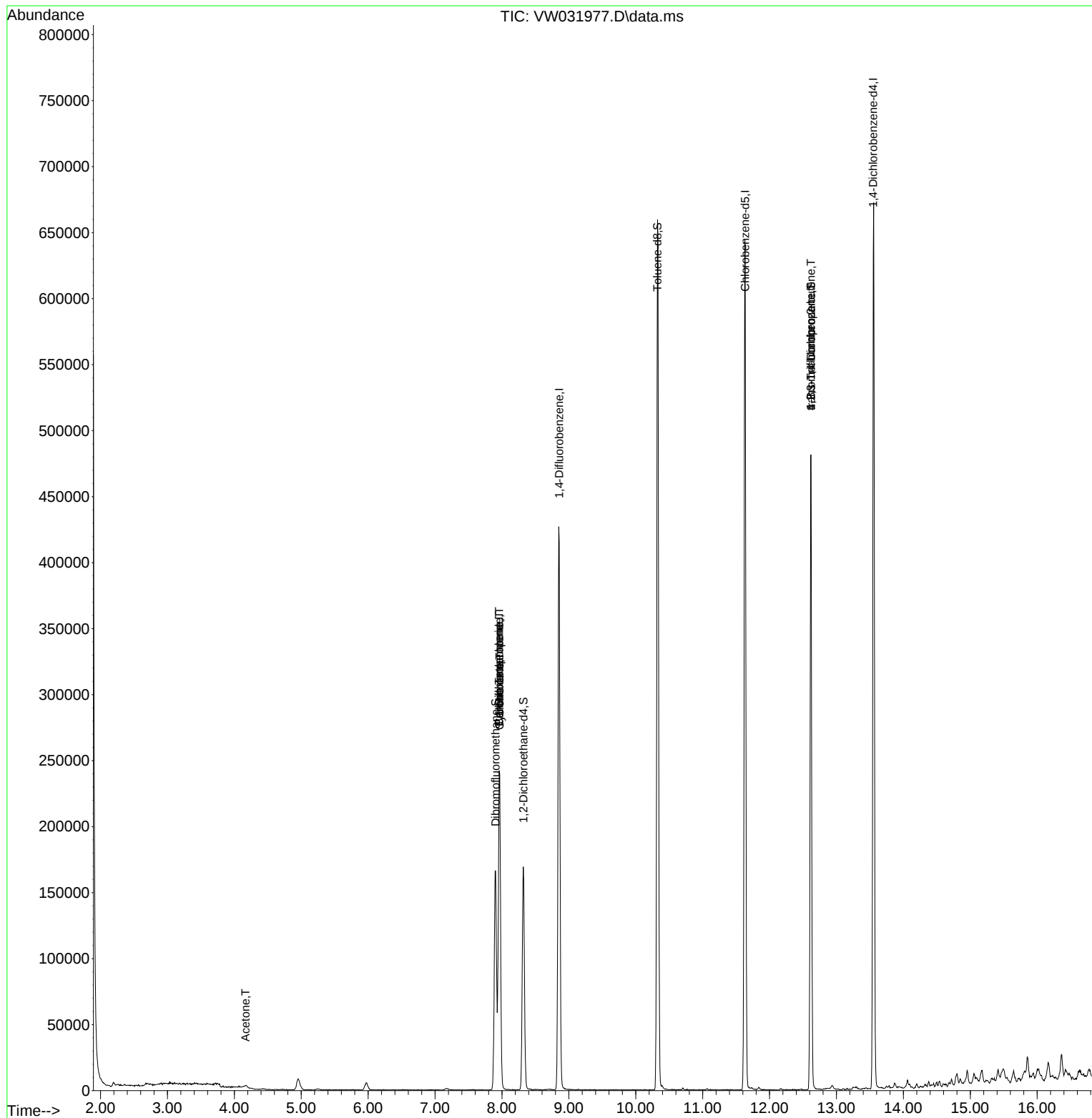
Internal Standards						
1) Pentafluorobenzene	7.959	168	174433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	365996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	361399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	177152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143395	54.342	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.680%		
35) Dibromofluoromethane	7.904	113	125146	50.320	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 100.640%		
50) Toluene-d8	10.325	98	454906	48.330	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.660%		
62) 4-Bromofluorobenzene	12.617	95	164274	45.452	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 90.900%		
Target Compounds						
					Qvalue	
13) Acrolein	3.911	56	20	Below Cal	#	71
16) Acetone	4.167	43	2972	4.746	ug/l	91
20) Methylene Chloride	4.948	84	7483	Below Cal	#	88
31) Cyclohexane	7.965	56	4290	1.060	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	15657	4.099	ug/l	# 50
38) Carbon Tetrachloride	7.959	117	20034	5.466	ug/l	# 16
76) 1,2,3-Trichloropropane	12.617	75	86084	35.196	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.617	75	86084	81.258	ug/l	# 8

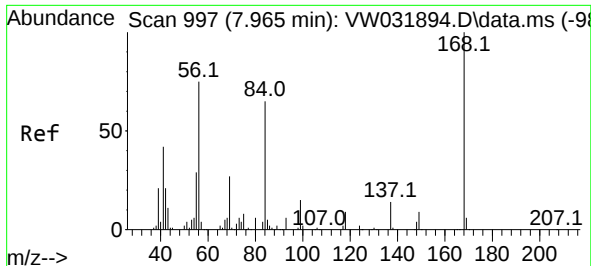
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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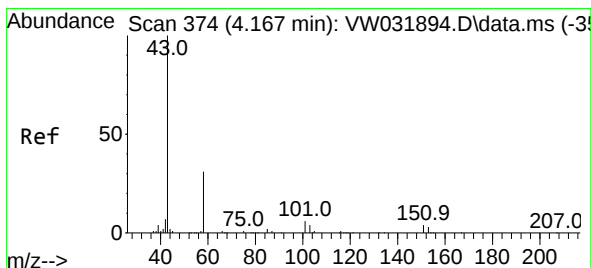
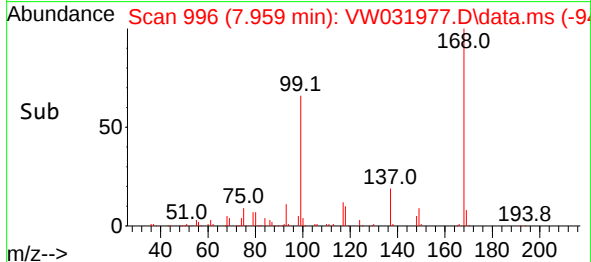
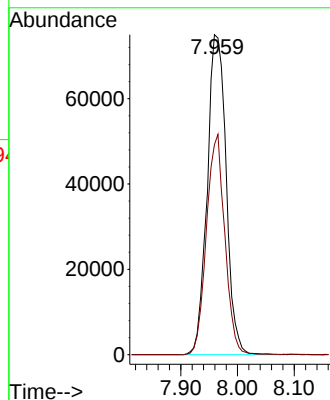
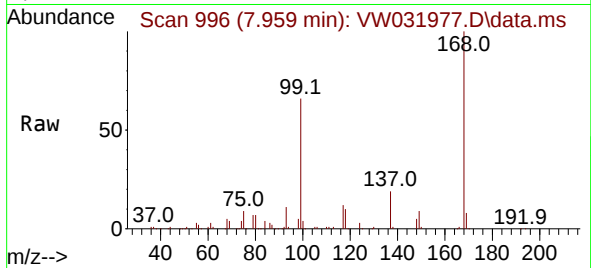




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

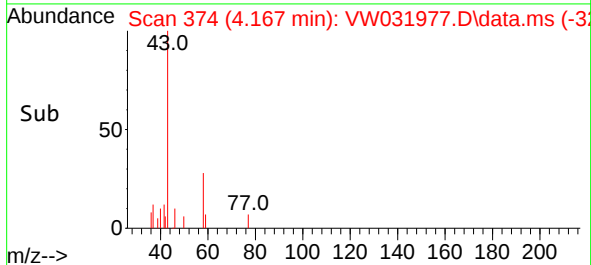
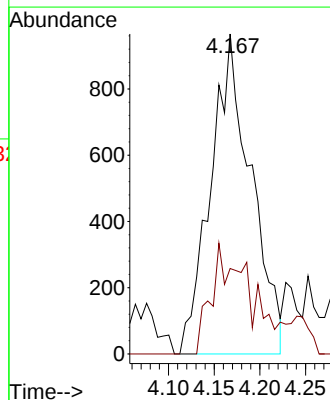
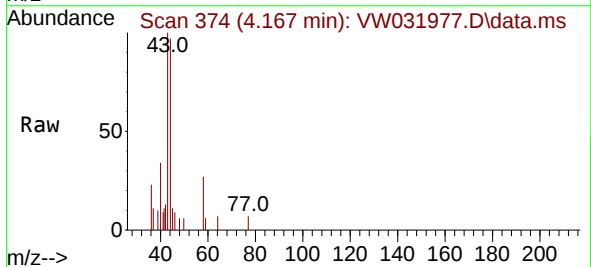
Instrument :
MSVOA_W
ClientSampleId :
WC1

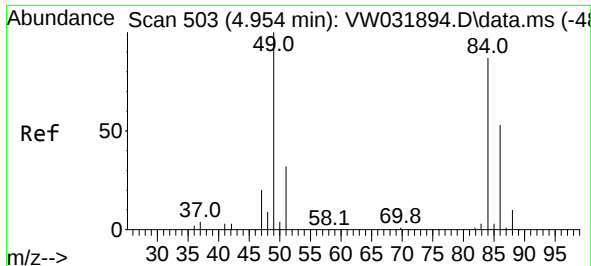
Tgt Ion:168 Resp: 174433
Ion Ratio Lower Upper
168 100
99 65.6 48.2 72.2



#16
Acetone
Concen: 4.746 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion: 43 Resp: 2972
Ion Ratio Lower Upper
43 100
58 26.7 25.5 38.3

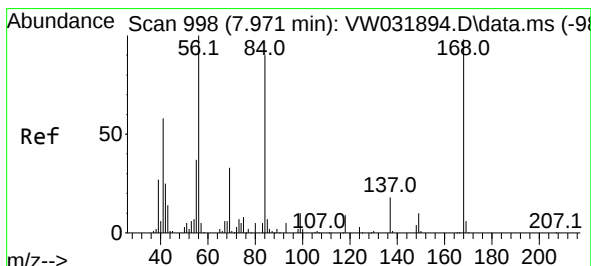
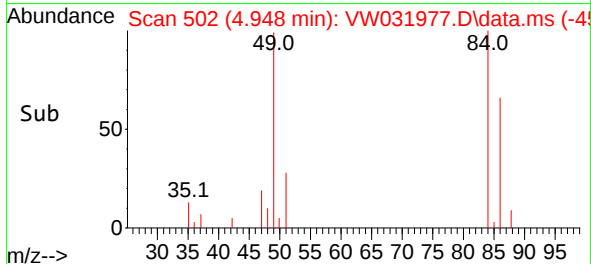
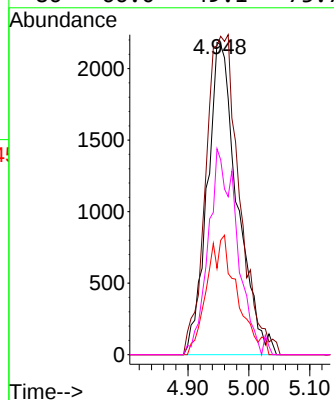
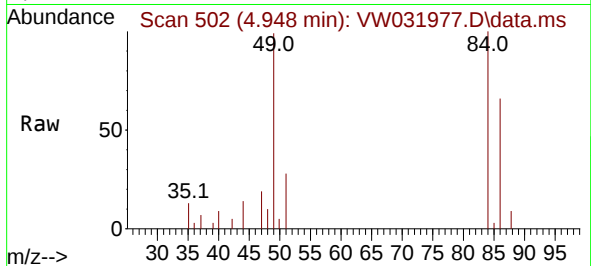




#20
Methylene Chloride
Concen: Below Cal
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

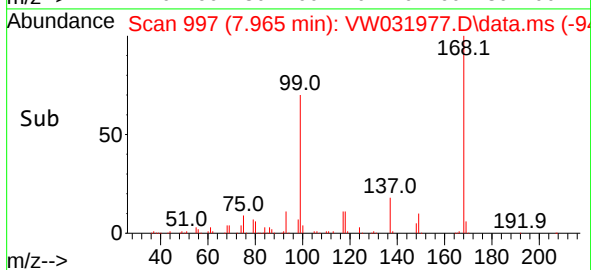
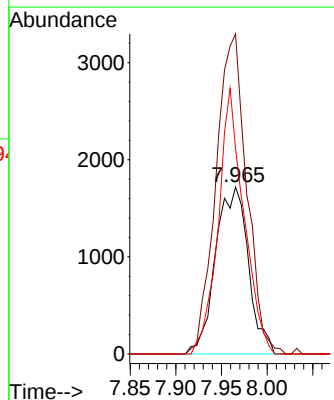
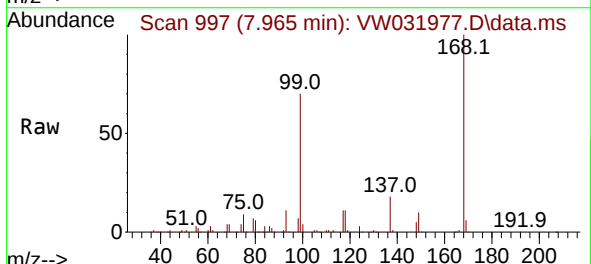
Instrument :
MSVOA_W
ClientSampleId :
WC1

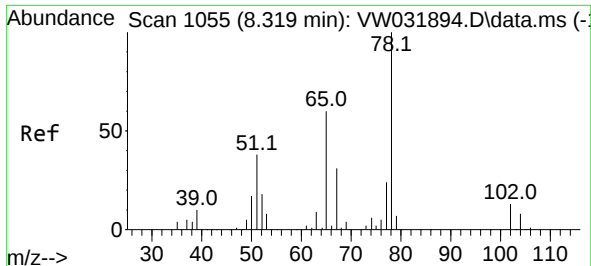
Tgt Ion:	84	Resp:	7483
Ion	Ratio	Lower	Upper
84	100		
49	99.0	91.9	137.9
51	27.7	29.0	43.6#
86	66.0	49.1	73.7



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion:	56	Resp:	4290
Ion	Ratio	Lower	Upper
56	100		
69	191.6	26.7	40.1#
84	123.0	71.8	107.6#

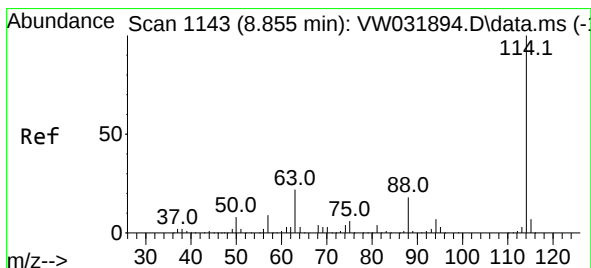
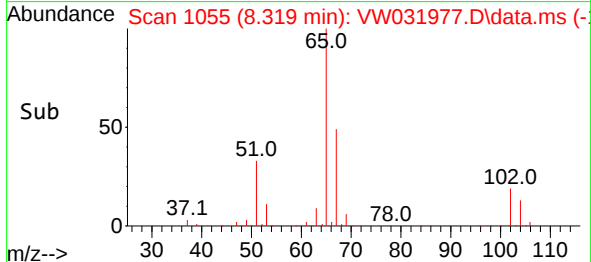
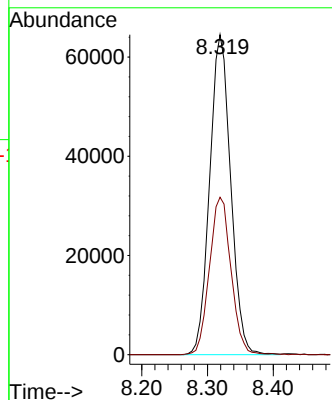
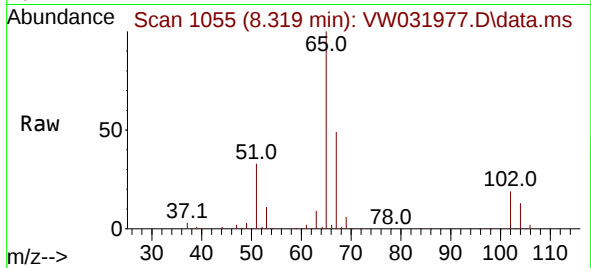




#33
 1,2-Dichloroethane-d4
 Concen: 54.342 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031977.D
 Acq: 01 Aug 2025 11:56

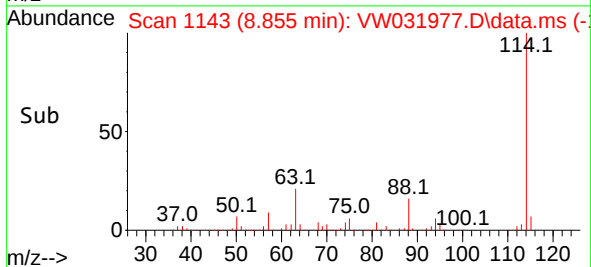
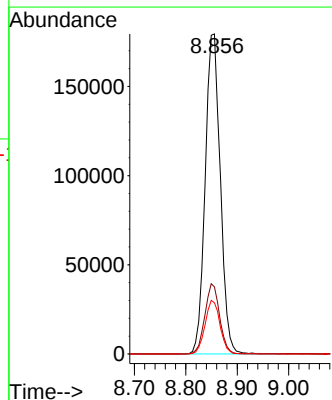
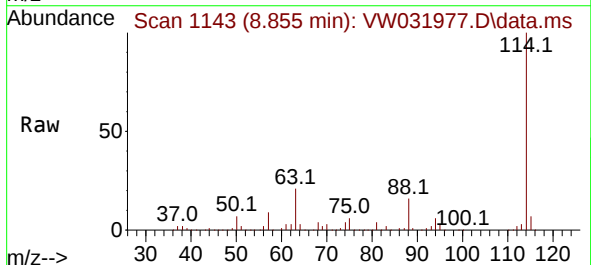
Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

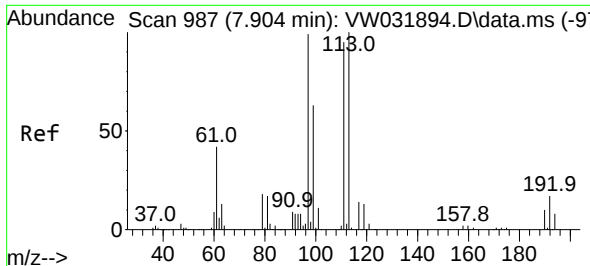
Tgt Ion: 65 Resp: 143395
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW031977.D
 Acq: 01 Aug 2025 11:56

Tgt Ion: 114 Resp: 365996
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.2
 88 16.0 0.0 35.6

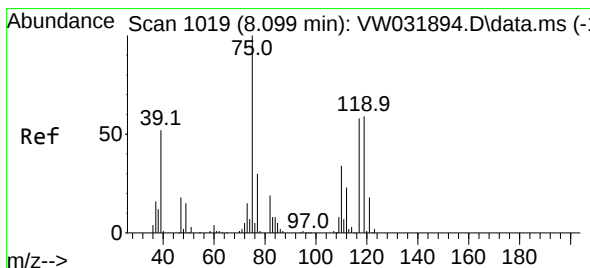
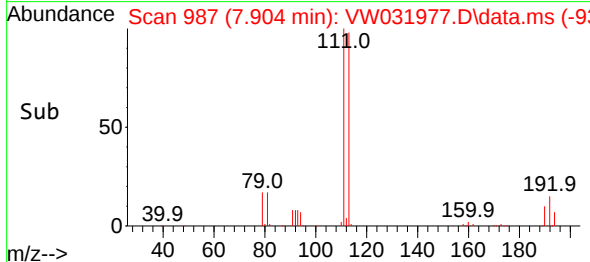
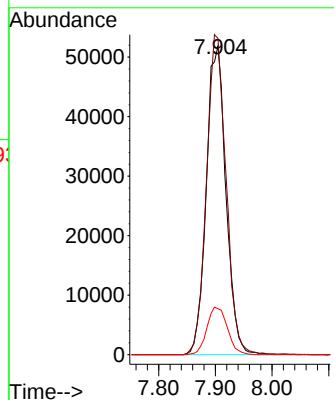
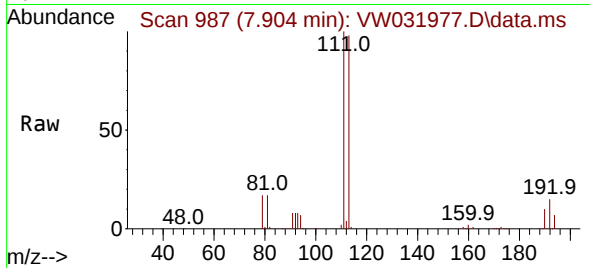




#35
 Dibromofluoromethane
 Concen: 50.320 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031977.D
 Acq: 01 Aug 2025 11:56

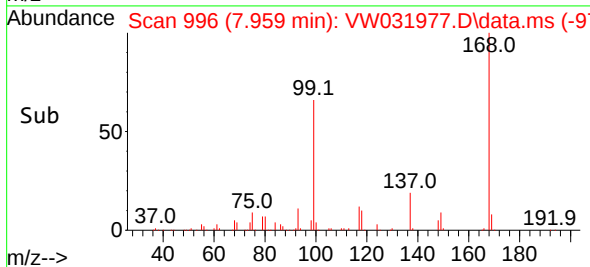
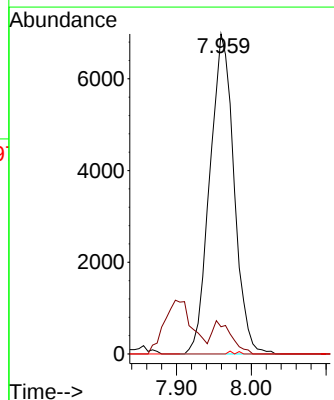
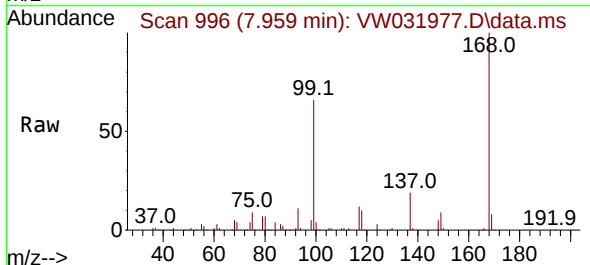
Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

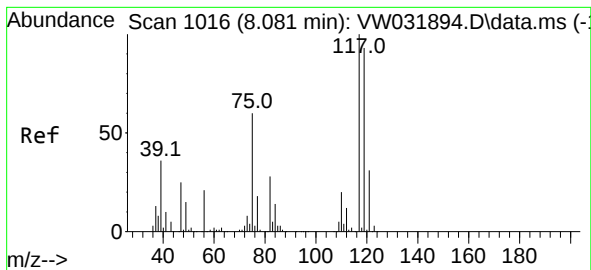
Tgt Ion:	113	Resp:	125146
Ion	Ratio	Lower	Upper
113	100		
111	102.8	79.9	119.9
192	16.0	12.6	19.0



#36
 1,1-Dichloropropene
 Concen: 4.099 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031977.D
 Acq: 01 Aug 2025 11:56

Tgt Ion:	75	Resp:	15657
Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.0	50.9#
77	0.3	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.466 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031977.D

Acq: 01 Aug 2025 11:56

Instrument :

MSVOA_W

ClientSampleId :

WC1

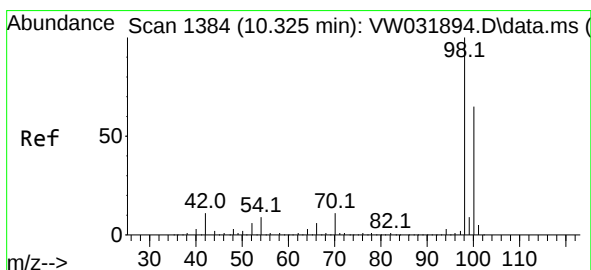
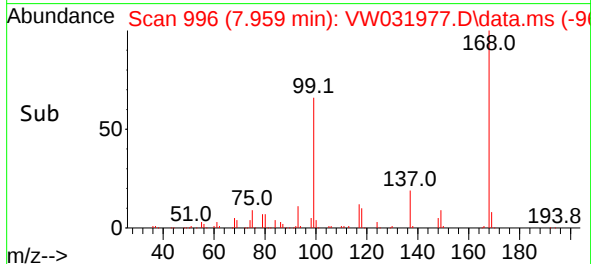
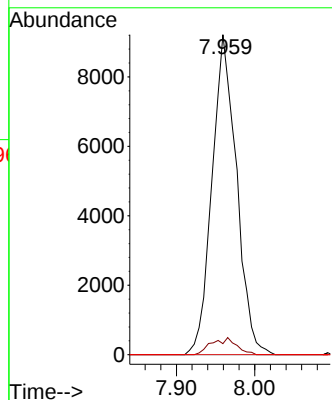
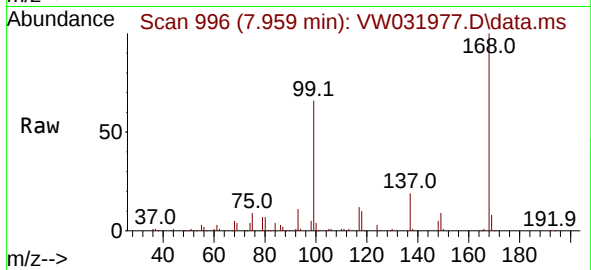
Tgt Ion:117 Resp: 20034

Ion Ratio Lower Upper

117 100

119 3.4 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 48.330 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031977.D

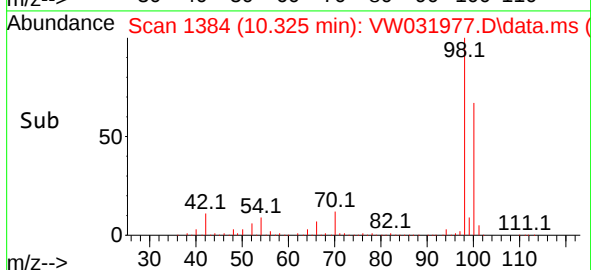
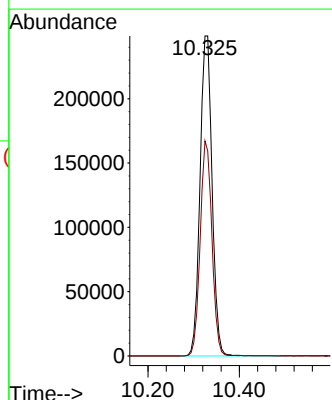
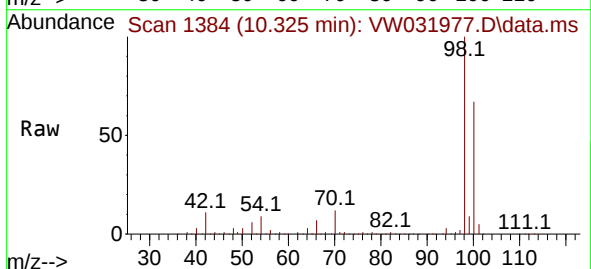
Acq: 01 Aug 2025 11:56

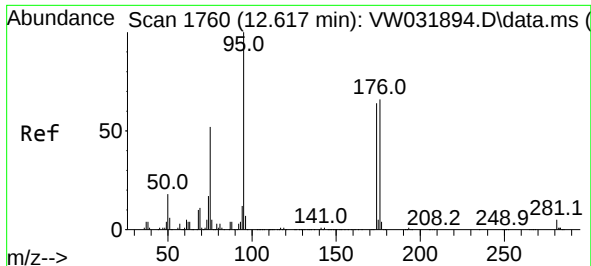
Tgt Ion: 98 Resp: 454906

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5

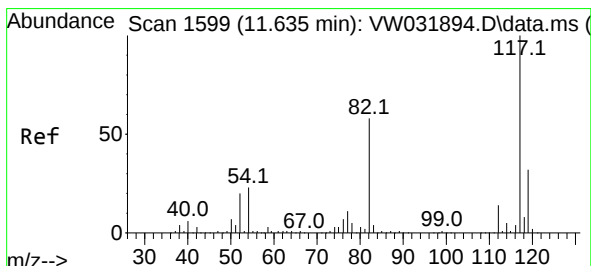
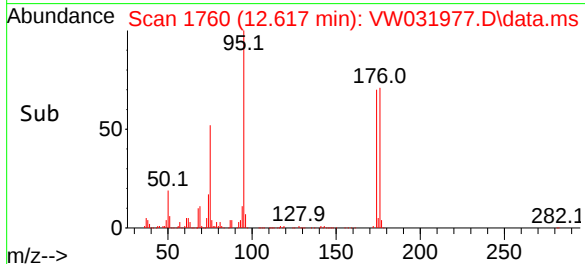
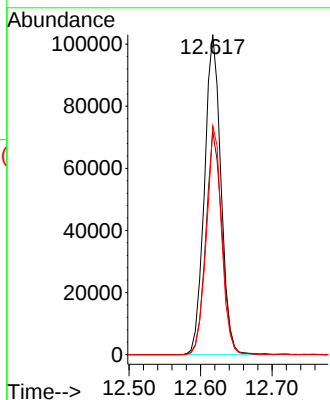
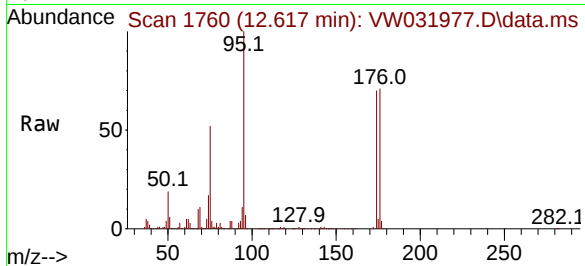




#62
4-Bromofluorobenzene
Concen: 45.452 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

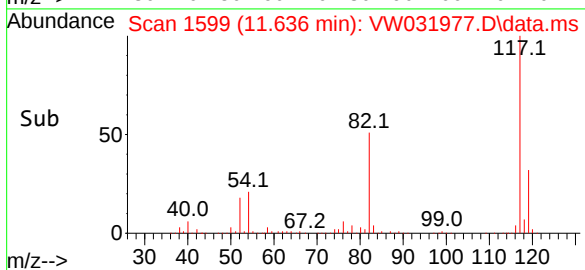
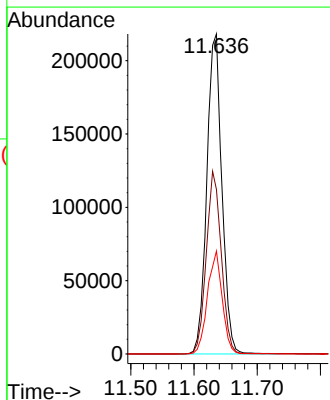
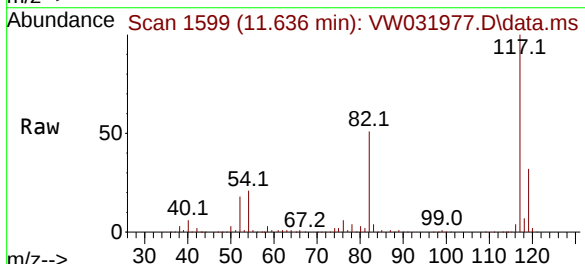
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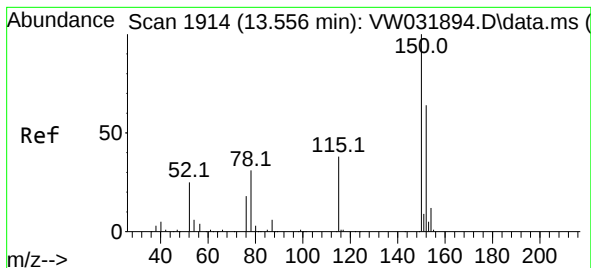
Tgt Ion: 95 Resp: 164274
Ion Ratio Lower Upper
95 100
174 68.5 0.0 129.8
176 66.5 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion: 117 Resp: 361399
Ion Ratio Lower Upper
117 100
82 51.4 46.5 69.7
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.550 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW031977.D

Acq: 01 Aug 2025 11:56

Instrument :

MSVOA_W

ClientSampleId :

WC1

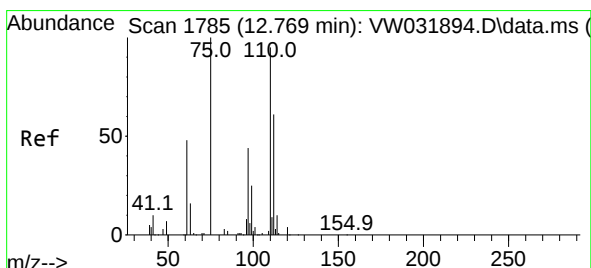
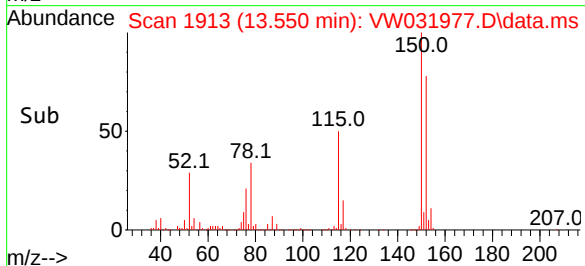
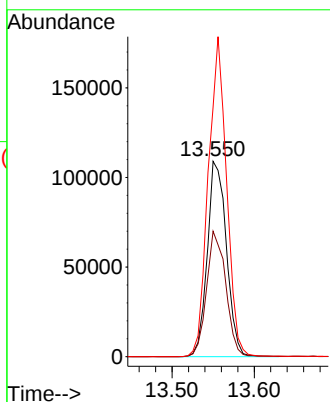
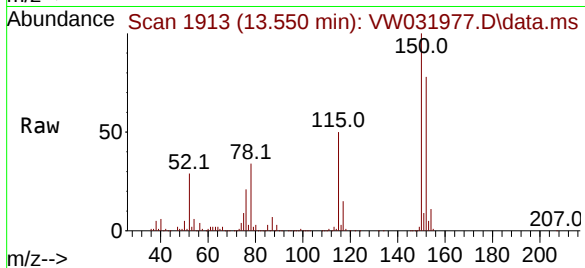
Tgt Ion:152 Resp: 177152

Ion Ratio Lower Upper

152 100

115 64.5 33.4 100.1

150 156.3 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 35.196 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.152 min

Lab File: VW031977.D

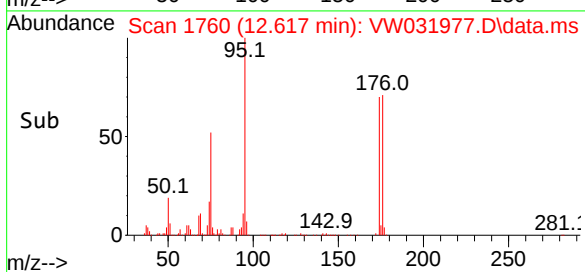
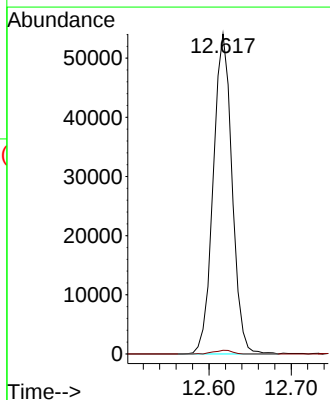
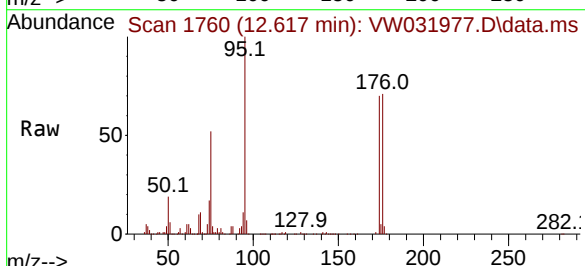
Acq: 01 Aug 2025 11:56

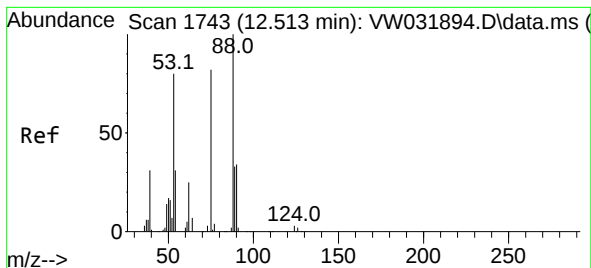
Tgt Ion: 75 Resp: 86084

Ion Ratio Lower Upper

75 100

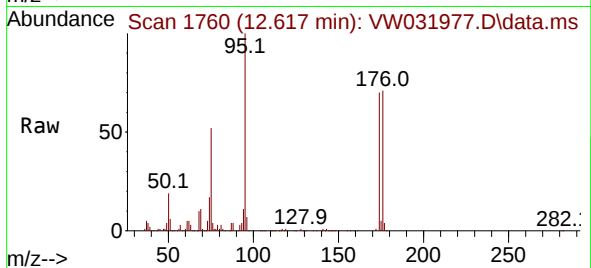
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.258 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031977.D
 Acq: 01 Aug 2025 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 WC1



Tgt Ion: 75 Resp: 86084
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 39.0 58.6#

