

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031996.D
 Acq On : 04 Aug 2025 13:12
 Operator : SY/MD
 Sample : Q2753-01
 Misc : 5.30g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 289

Quant Time: Aug 05 01:18:32 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)

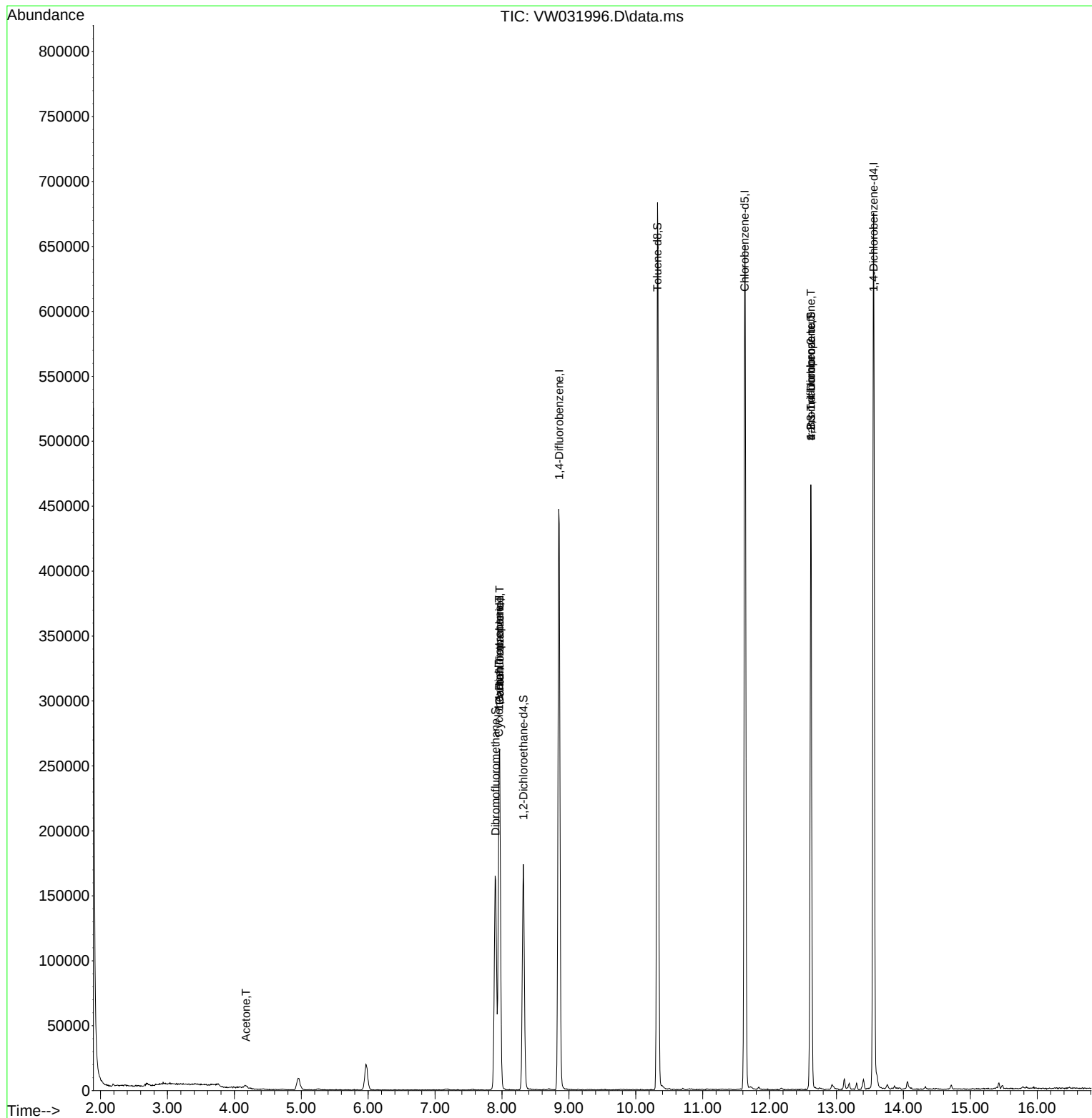
Internal Standards						
1) Pentafluorobenzene	7.965	168	184751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	388096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138761	49.649	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	99.300%	
35) Dibromofluoromethane	7.904	113	122162	46.323	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	92.640%	
50) Toluene-d8	10.325	98	461551	46.244	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	92.480%	
62) 4-Bromofluorobenzene	12.617	95	165749	43.249	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	86.500%	
Target Compounds						
					Qvalue	
13) Acrolein	3.954	56	26	Below Cal	#	14
16) Acetone	4.173	43	3245	4.893	ug/l	95
20) Methylene Chloride	4.954	84	7816	Below Cal		94
31) Cyclohexane	7.953	56	4465	1.042	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16599	4.099	ug/l #	51
38) Carbon Tetrachloride	7.965	117	21165	5.445	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	82329	35.155	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	82329	81.163	ug/l #	8

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

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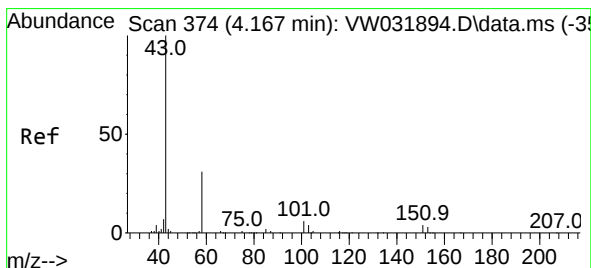
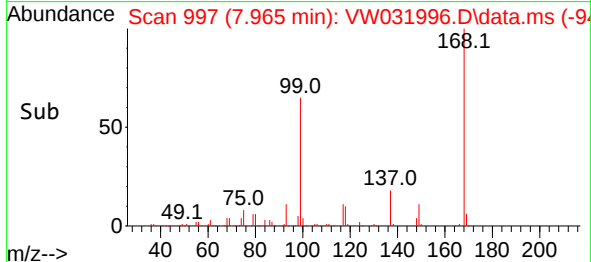
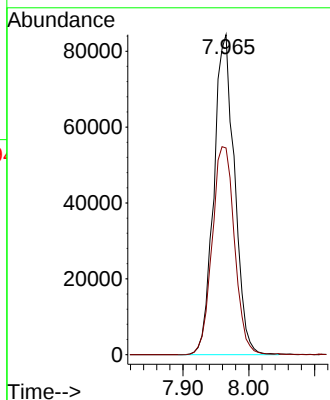
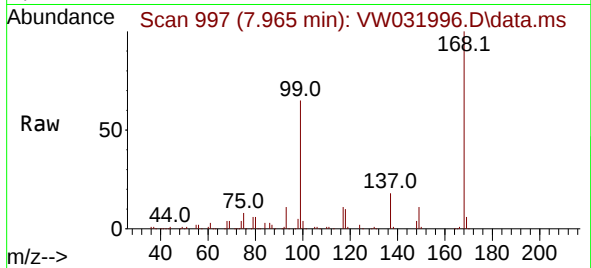




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW031996.D
Acq: 04 Aug 2025 13:12

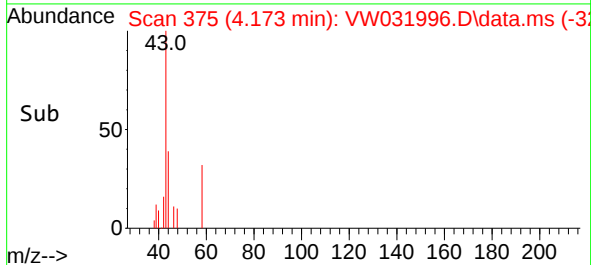
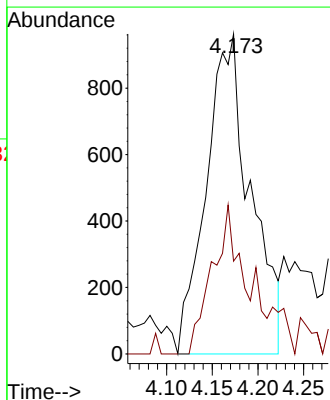
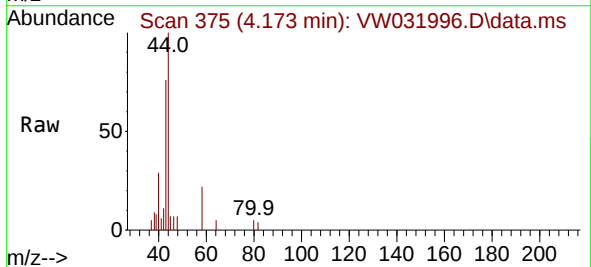
Instrument :
MSVOA_W
ClientSampleId :
289

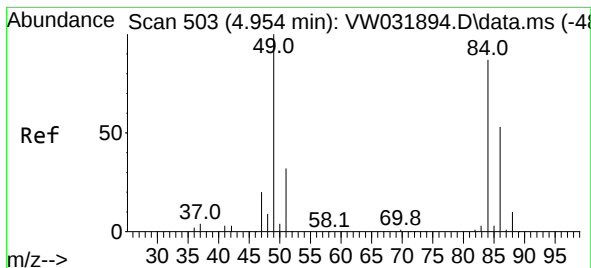
Tgt Ion:168 Resp: 184751
Ion Ratio Lower Upper
168 100
99 64.6 48.2 72.2



#16
Acetone
Concen: 4.893 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.006 min
Lab File: VW031996.D
Acq: 04 Aug 2025 13:12

Tgt Ion: 43 Resp: 3245
Ion Ratio Lower Upper
43 100
58 29.0 25.5 38.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.954 min Scan# 503

Delta R.T. -0.000 min

Lab File: VW031996.D

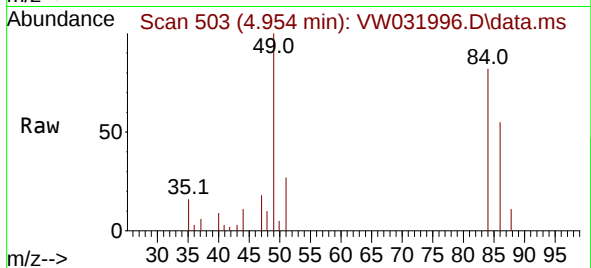
Acq: 04 Aug 2025 13:12

Instrument :

MSVOA_W

ClientSampleId :

289



Tgt Ion: 84 Resp: 7816

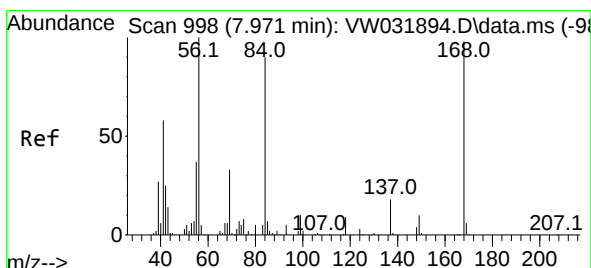
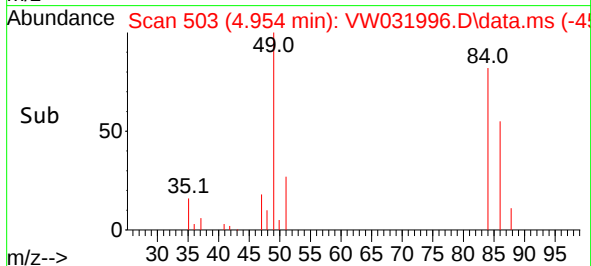
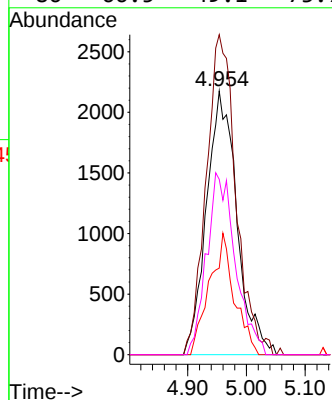
Ion Ratio Lower Upper

84 100

49 121.4 91.9 137.9

51 32.9 29.0 43.6

86 66.5 49.1 73.7



#31

Cyclohexane

Concen: 1.042 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.018 min

Lab File: VW031996.D

Acq: 04 Aug 2025 13:12

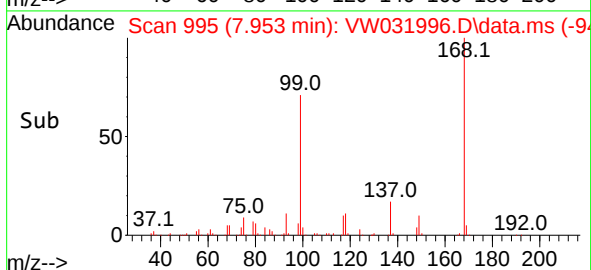
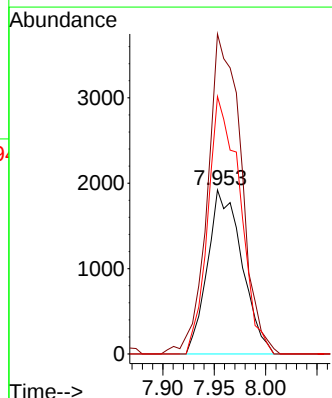
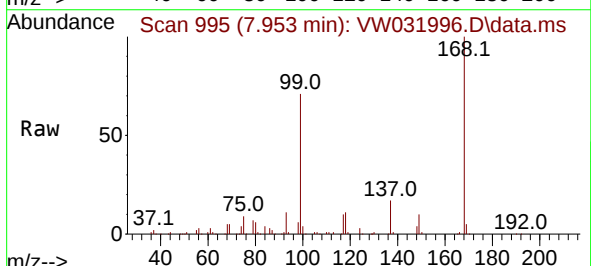
Tgt Ion: 56 Resp: 4465

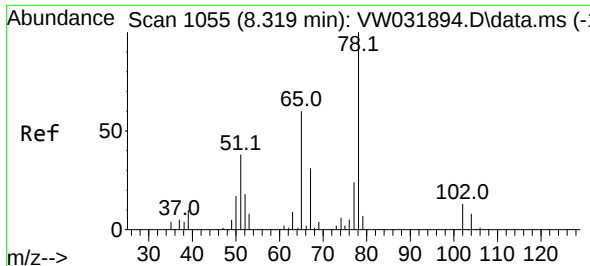
Ion Ratio Lower Upper

56 100

69 195.0 26.7 40.1#

84 156.9 71.8 107.6#

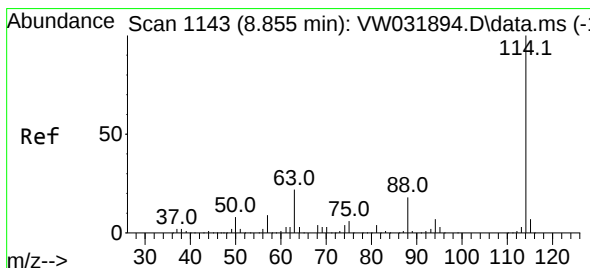
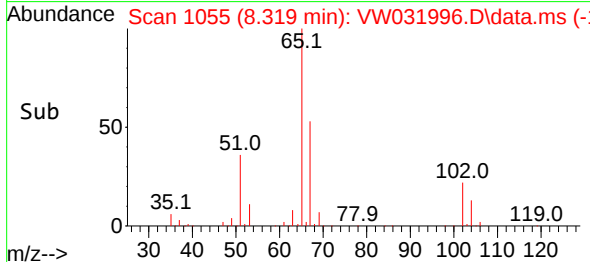
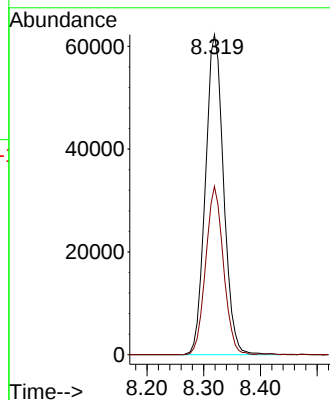
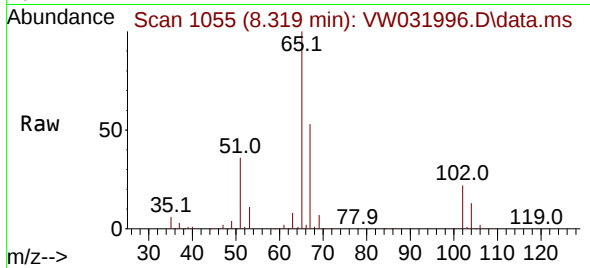




#33
 1,2-Dichloroethane-d4
 Concen: 49.649 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031996.D
 Acq: 04 Aug 2025 13:12

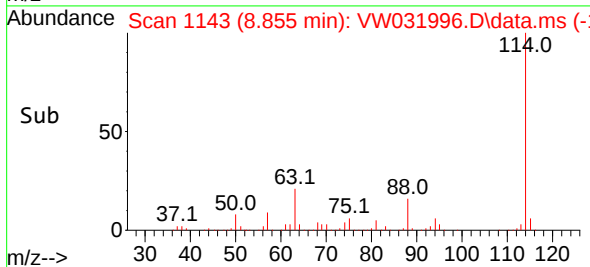
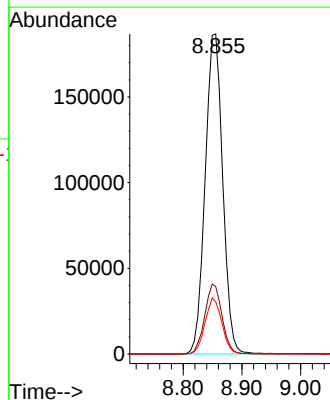
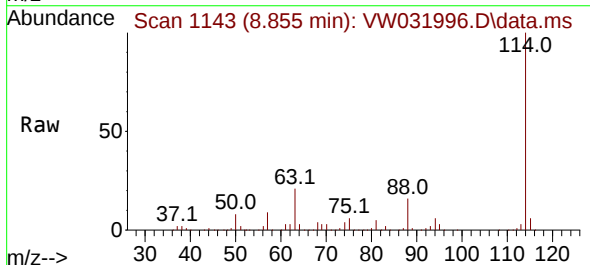
Instrument :
 MSVOA_W
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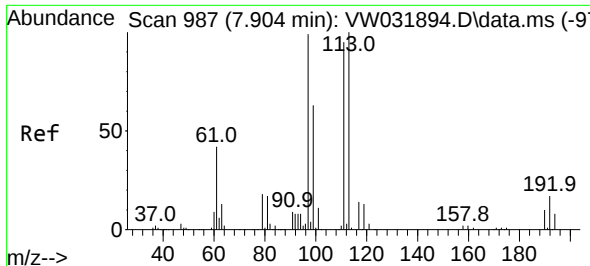
Tgt Ion: 65 Resp: 138761
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW031996.D
 Acq: 04 Aug 2025 13:12

Tgt Ion: 114 Resp: 388096
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 44.2
 88 16.3 0.0 35.6

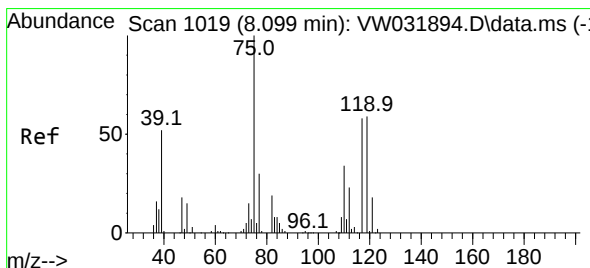
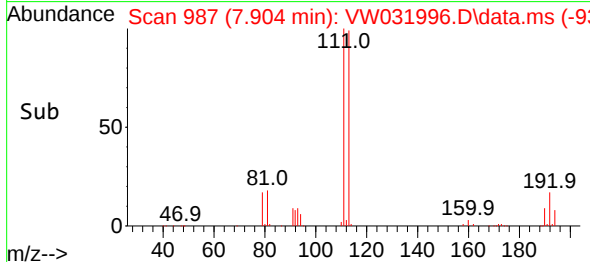
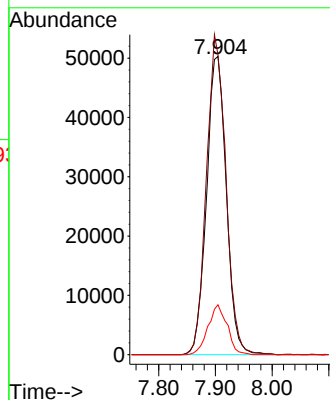
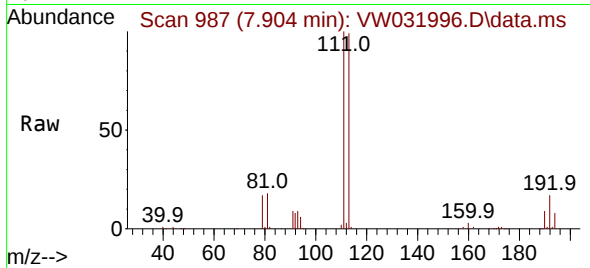




#35
 Dibromofluoromethane
 Concen: 46.323 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031996.D
 Acq: 04 Aug 2025 13:12

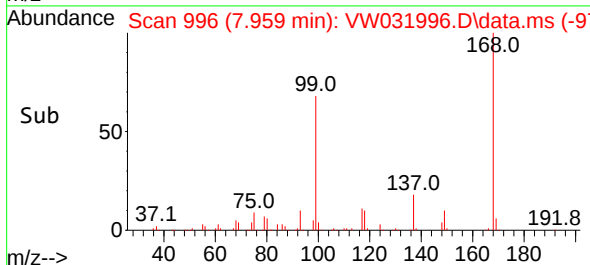
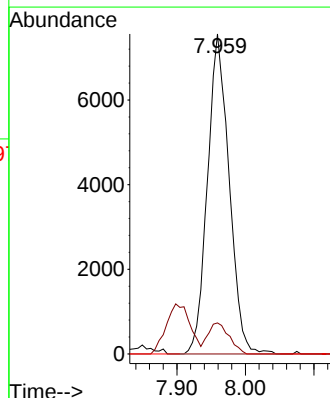
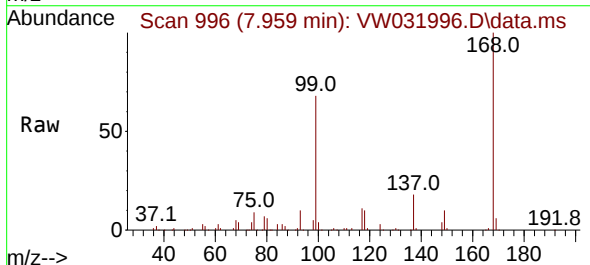
Instrument :
 MSVOA_W
 ClientSampleId :
 289

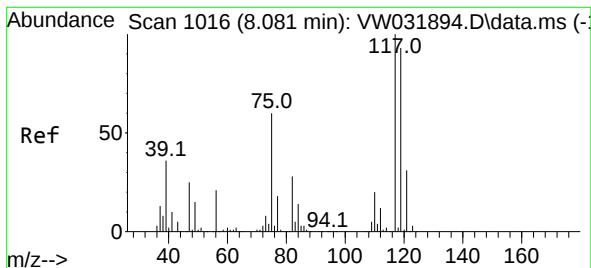
Tgt Ion: 113 Resp: 122162
 Ion Ratio Lower Upper
 113 100
 111 104.9 79.9 119.9
 192 16.2 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.099 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW031996.D
 Acq: 04 Aug 2025 13:12

Tgt Ion: 75 Resp: 16599
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.0 50.9#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.445 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW031996.D

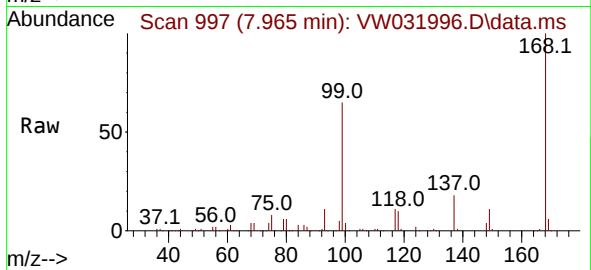
Acq: 04 Aug 2025 13:12

Instrument :

MSVOA_W

ClientSampleId :

289



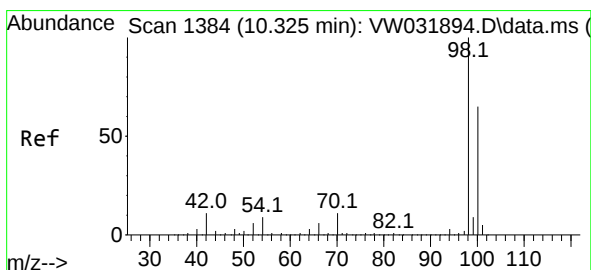
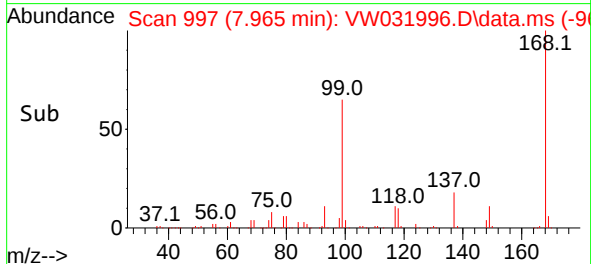
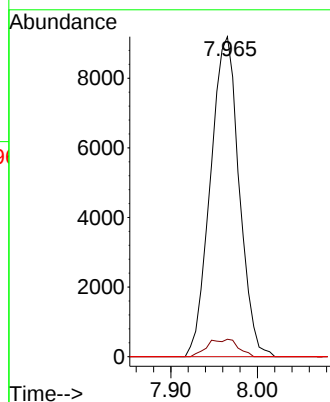
Tgt Ion:117 Resp: 21165

Ion Ratio Lower Upper

117 100

119 5.5 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 46.244 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031996.D

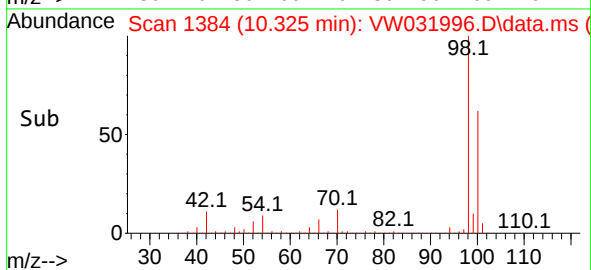
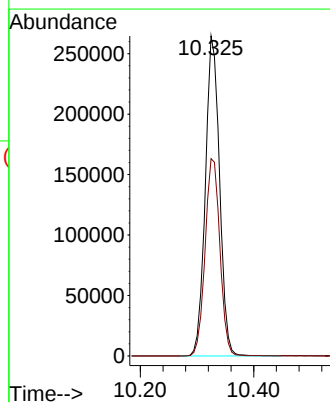
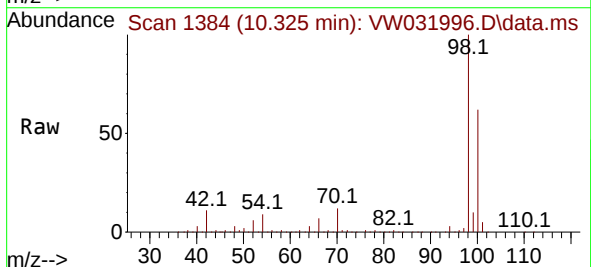
Acq: 04 Aug 2025 13:12

Tgt Ion: 98 Resp: 461551

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5

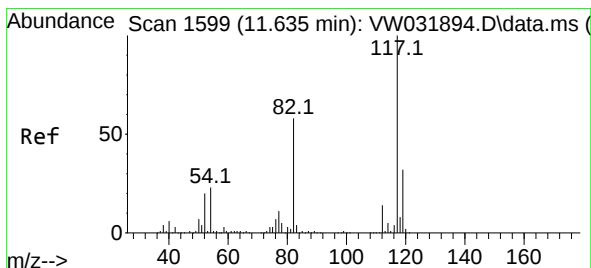
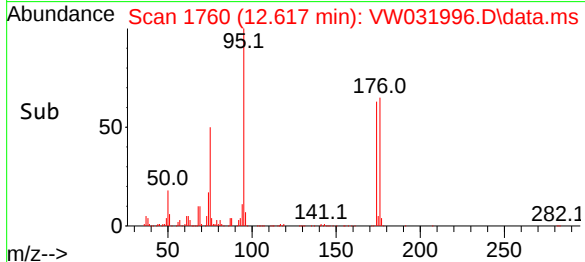
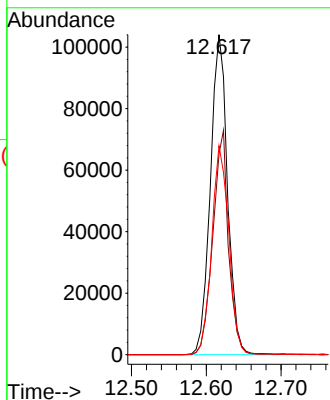
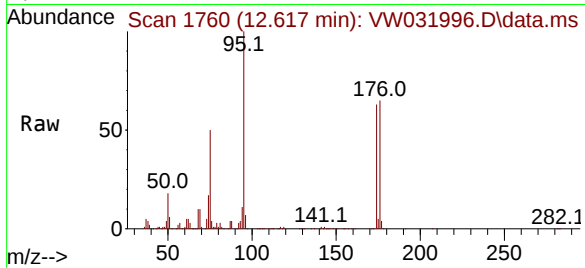




#62
4-Bromofluorobenzene
Concen: 43.249 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031996.D
Acq: 04 Aug 2025 13:12

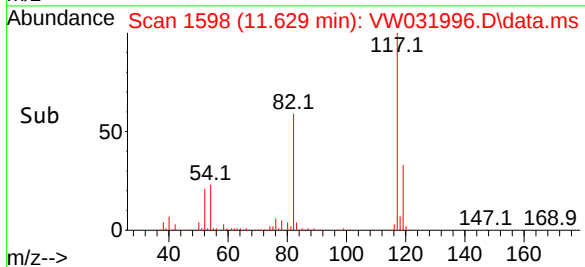
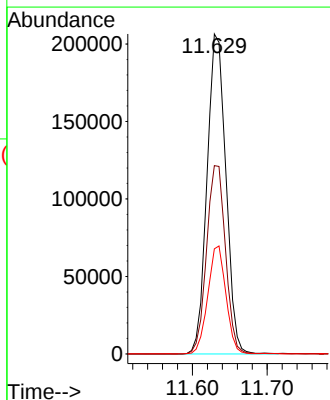
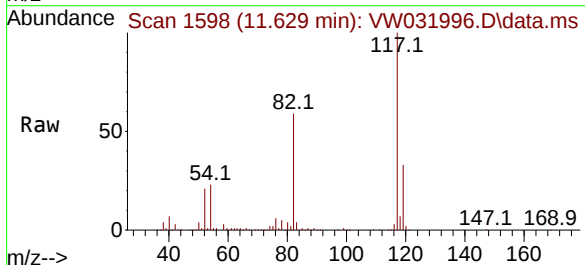
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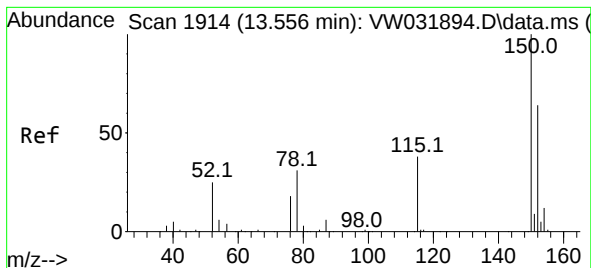
Tgt Ion: 95 Resp: 165749
Ion Ratio Lower Upper
95 100
174 64.4 0.0 129.8
176 65.3 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031996.D
Acq: 04 Aug 2025 13:12

Tgt Ion: 117 Resp: 361614
Ion Ratio Lower Upper
117 100
82 58.8 46.5 69.7
119 32.8 25.8 38.6

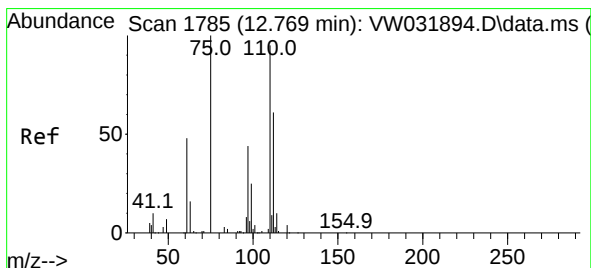
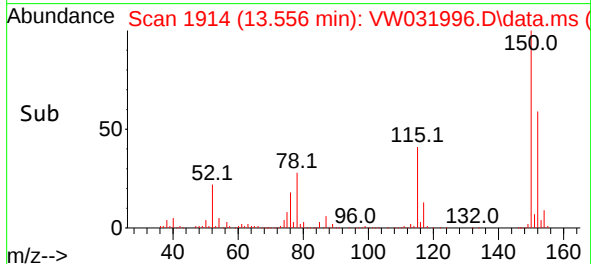
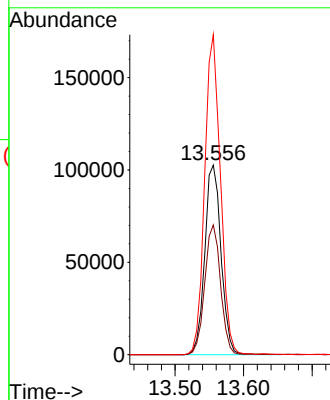
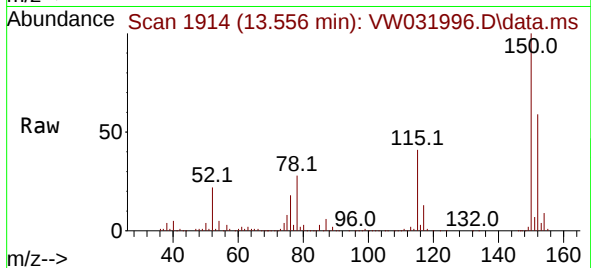




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031996.D
 Acq: 04 Aug 2025 13:12

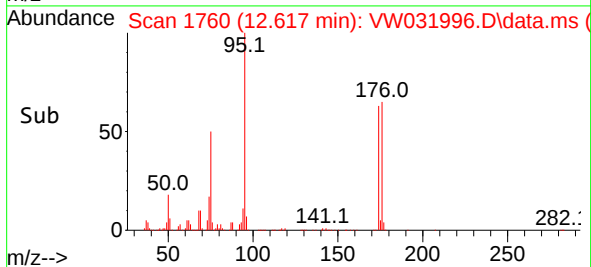
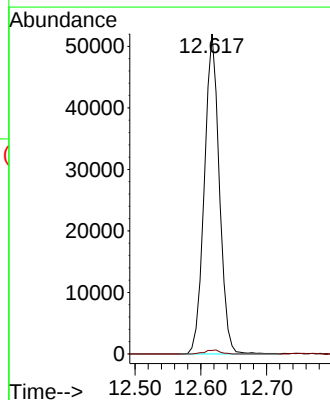
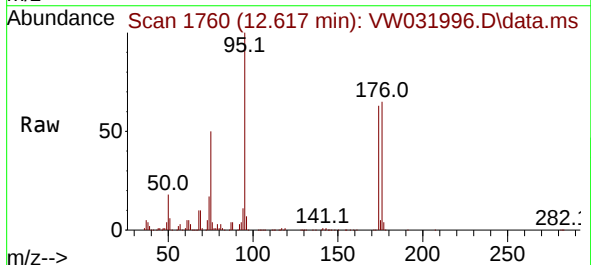
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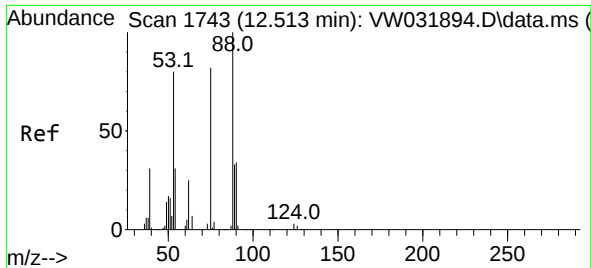
Tgt Ion:152 Resp: 169621
 Ion Ratio Lower Upper
 152 100
 115 66.8 33.4 100.1
 150 163.3 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 35.155 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW031996.D
 Acq: 04 Aug 2025 13:12

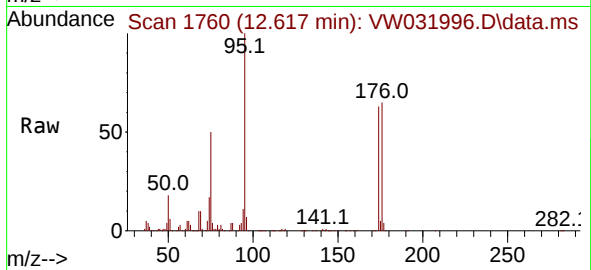
Tgt Ion: 75 Resp: 82329
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.163 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031996.D
 Acq: 04 Aug 2025 13:12

Instrument :
 MSVOA_W
 ClientSampleId :
 289



Tgt Ion: 75 Resp: 82329
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 39.0 58.6#

