

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032097.D
 Acq On : 14 Aug 2025 16:32
 Operator : SY/MD
 Sample : Q2820-14
 Misc : 7.65g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 18 03:54:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

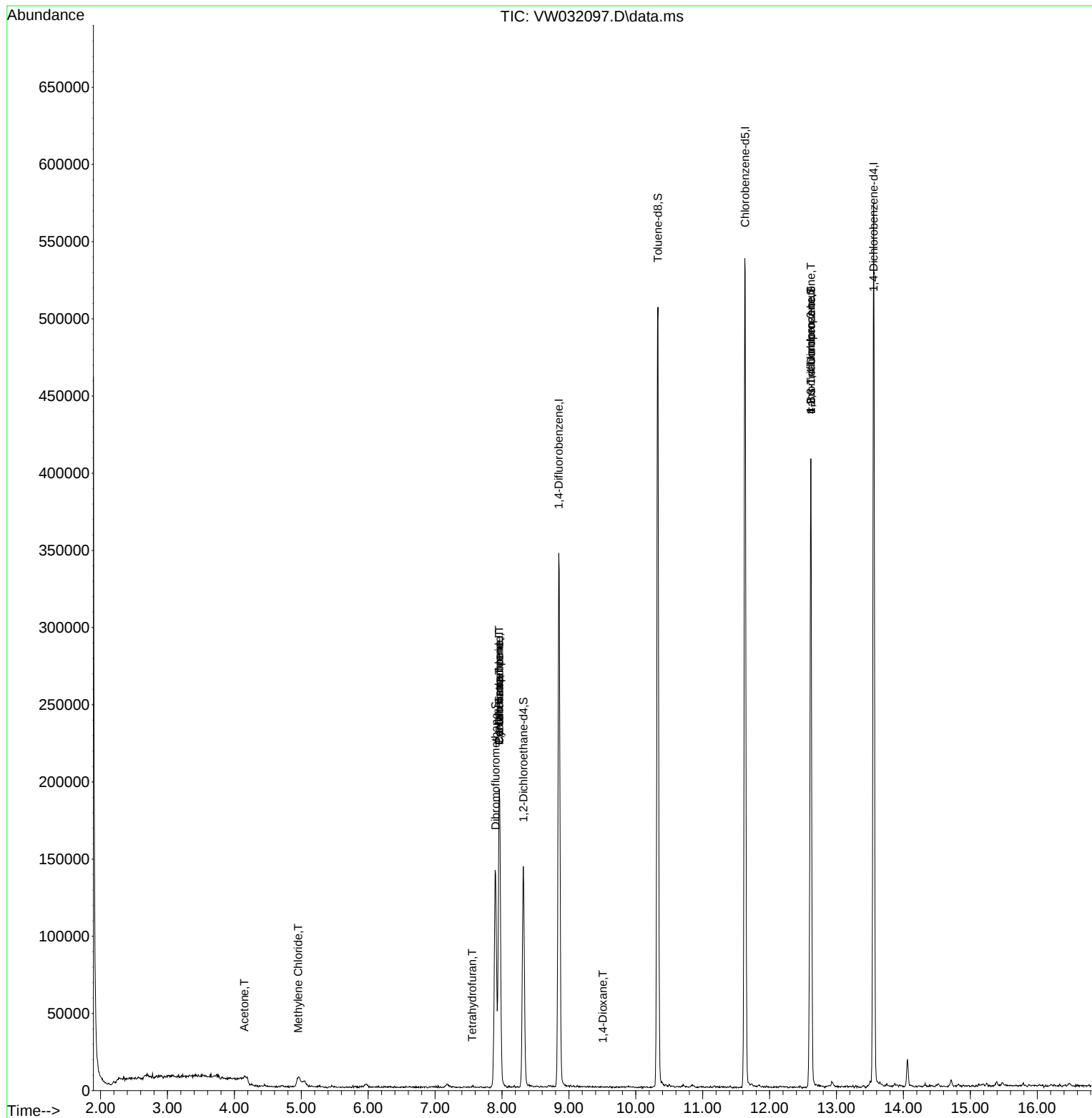
Internal Standards						
1) Pentafluorobenzene	7.959	168	132278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	288474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	286427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116875	61.092	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 122.180%		
35) Dibromofluoromethane	7.904	113	98877	53.055	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 106.120%		
50) Toluene-d8	10.331	98	328487	47.654	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.300%		
62) 4-Bromofluorobenzene	12.617	95	114543	45.092	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 90.180%		
Target Compounds						
					Qvalue	
16) Acetone	4.149	43	2247	5.073	ug/l	90
20) Methylene Chloride	4.954	84	6625	3.235	ug/l	87
29) Tetrahydrofuran	7.557	42	479	1.154	ug/l #	48
31) Cyclohexane	7.959	56	4129	1.514	ug/l #	64
36) 1,1-Dichloropropene	7.959	75	13237	5.038	ug/l #	50
38) Carbon Tetrachloride	7.959	117	15717	6.199	ug/l #	19
49) 1,4-Dioxane	9.508	88	50	3.037	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	67039	35.266	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	67039	91.299	ug/l #	10

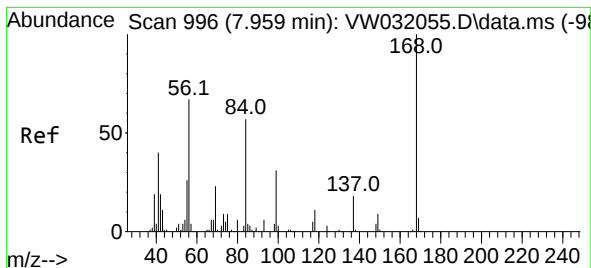
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 03:54:55 2025
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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

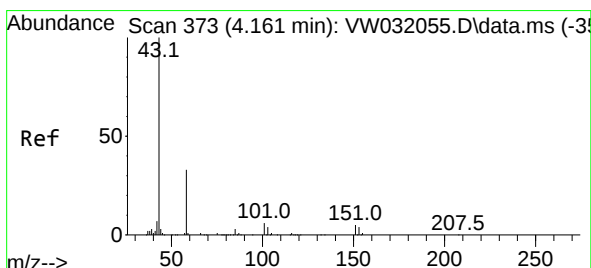
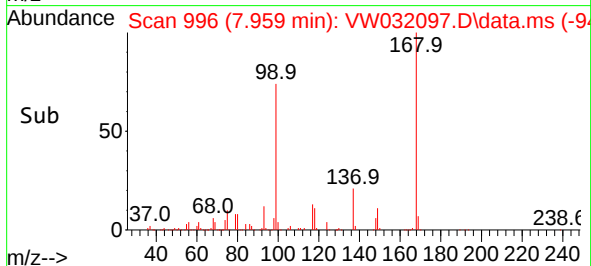
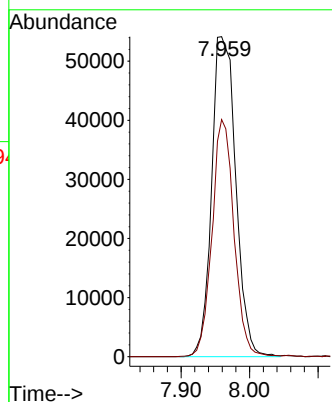
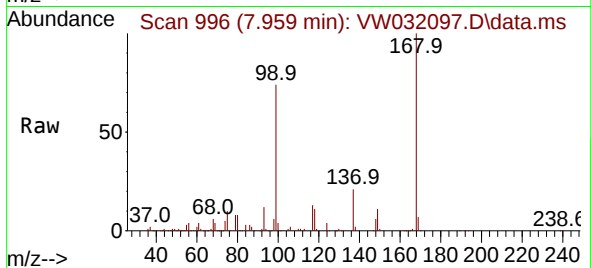
ClientSampleId :

Tgt Ion:168 Resp: 132278

Ion Ratio Lower Upper

168 100

99 74.0 56.0 84.0



#16

Acetone

Concen: 5.073 ug/l

RT: 4.149 min Scan# 371

Delta R.T. -0.012 min

Lab File: VW032097.D

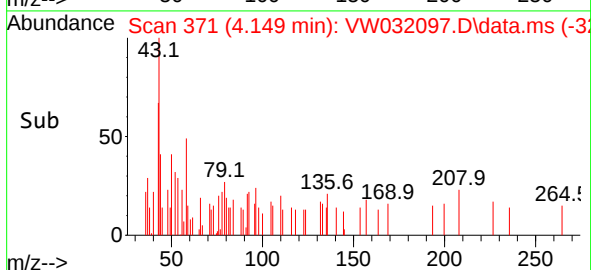
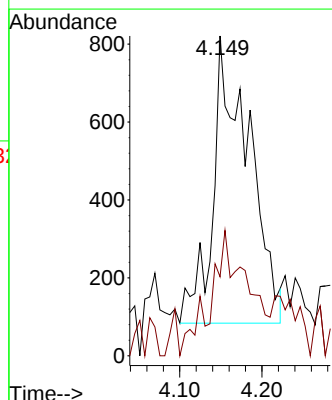
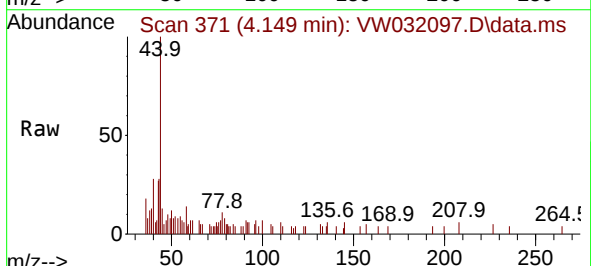
Acq: 14 Aug 2025 16:32

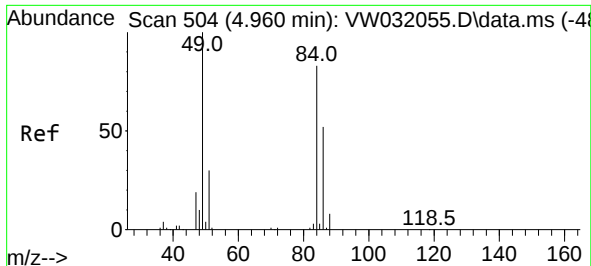
Tgt Ion: 43 Resp: 2247

Ion Ratio Lower Upper

43 100

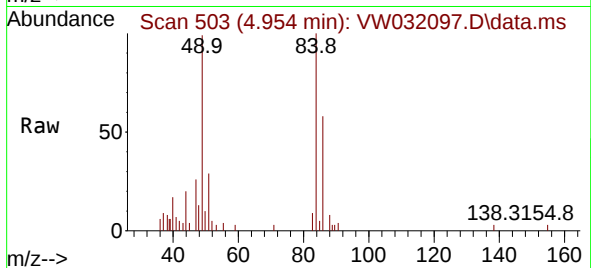
58 27.5 26.6 39.8



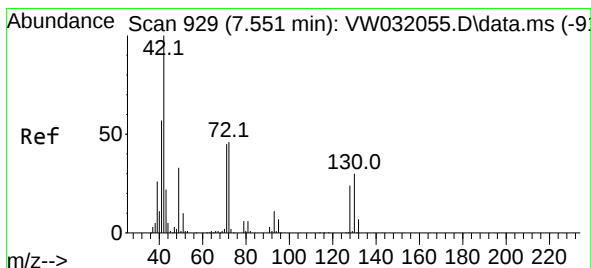
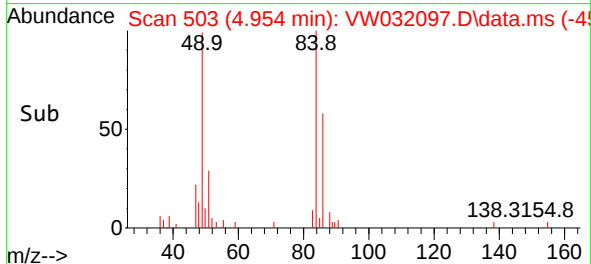
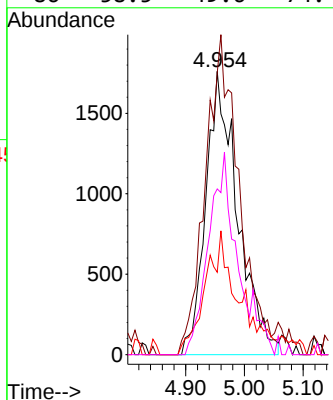


#20
Methylene Chloride
Concen: 3.235 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

Instrument :
MSVOA_W
ClientSampleId :

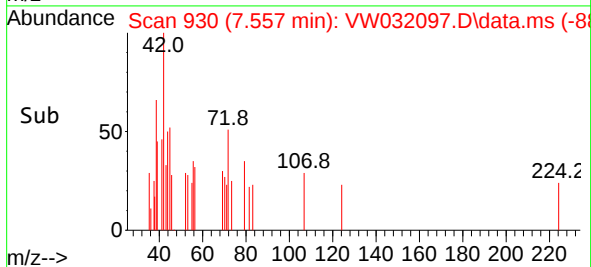
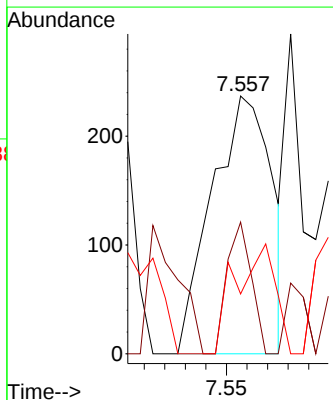
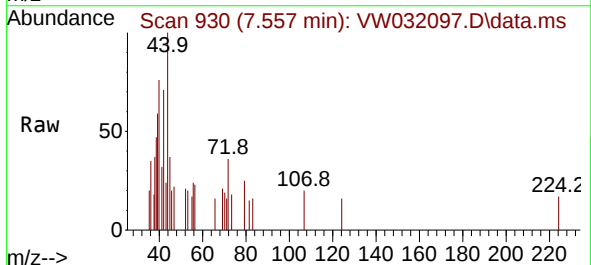


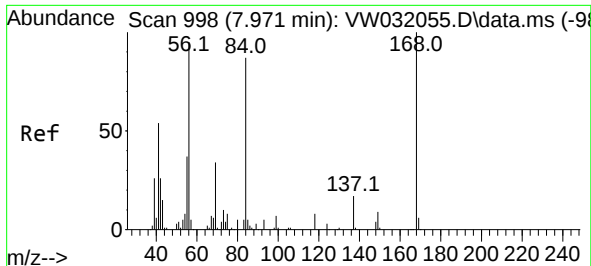
Tgt Ion:	84	Resp:	6625
Ion	Ratio	Lower	Upper
84	100		
49	99.4	95.9	143.9
51	29.1	28.6	43.0
86	58.5	49.6	74.4



#29
Tetrahydrofuran
Concen: 1.154 ug/l
RT: 7.557 min Scan# 930
Delta R.T. 0.006 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

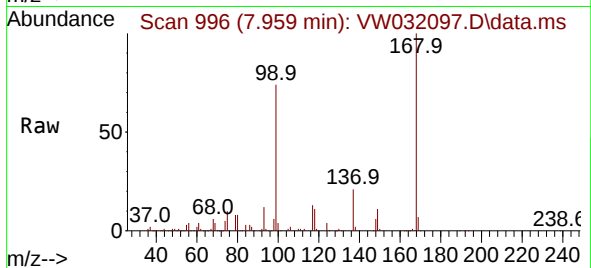
Tgt Ion:	42	Resp:	479
Ion	Ratio	Lower	Upper
42	100		
72	20.7	36.6	55.0#
71	0.0	34.7	52.1#



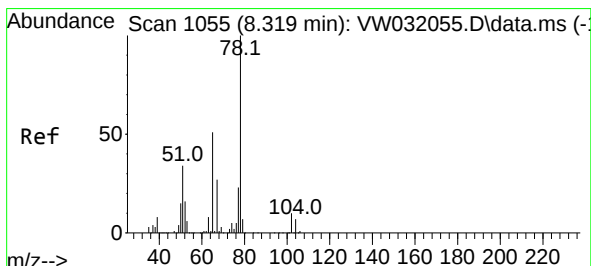
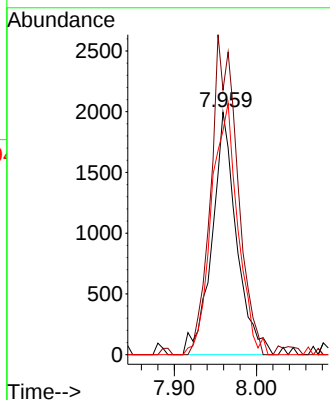
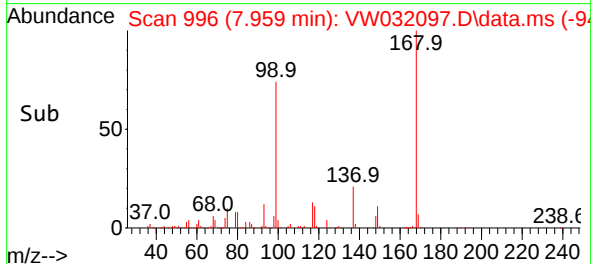


#31
Cyclohexane
Concen: 1.514 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

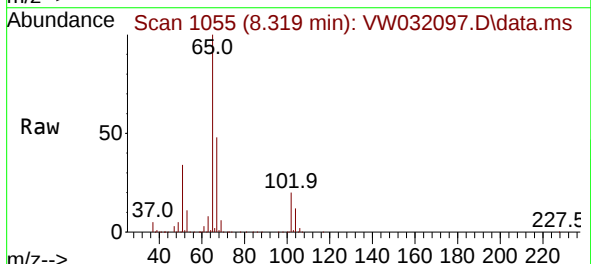
Instrument :
MSVOA_W
ClientSampleId :



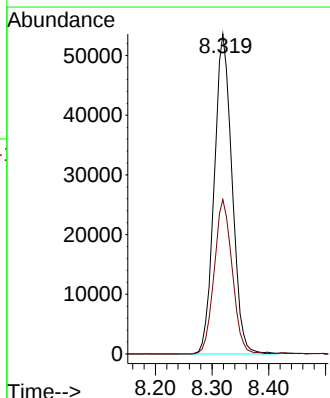
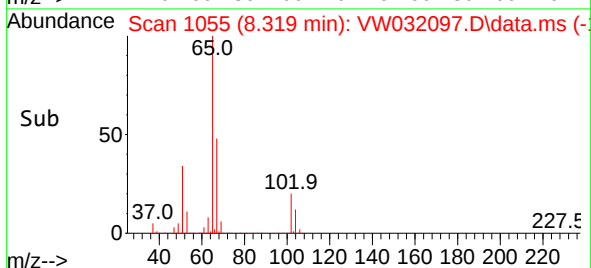
Tgt Ion: 56 Resp: 4129
Ion Ratio Lower Upper
56 100
69 109.2 28.6 42.8#
84 92.4 73.0 109.4

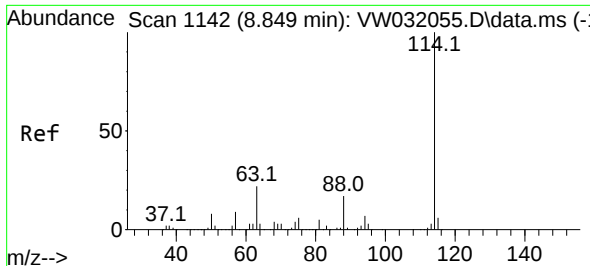


#33
1,2-Dichloroethane-d4
Concen: 61.092 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32



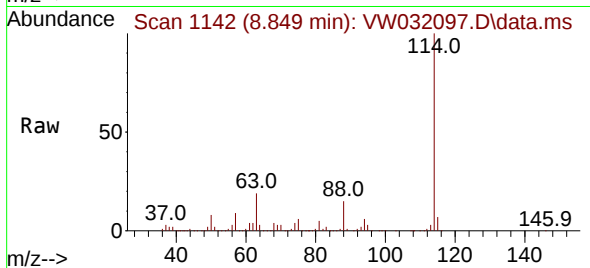
Tgt Ion: 65 Resp: 116875
Ion Ratio Lower Upper
65 100
67 48.7 0.0 102.4



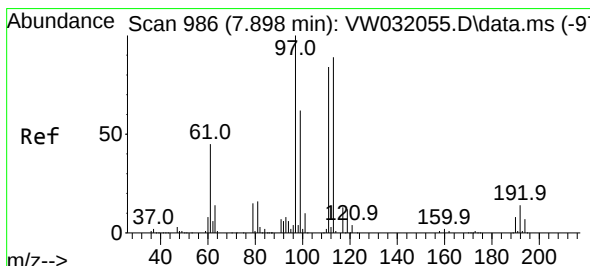
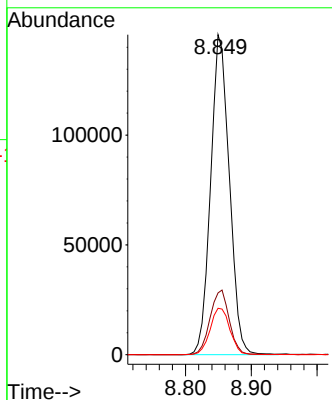
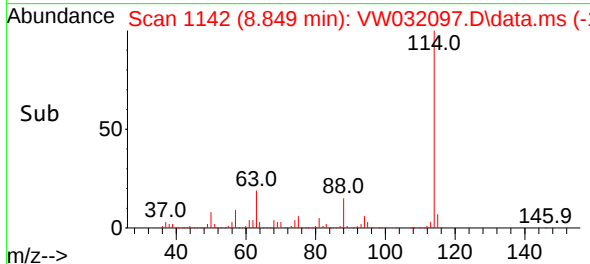


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

Instrument :
MSVOA_W
ClientSampleId :

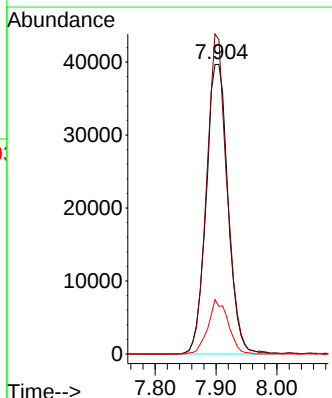
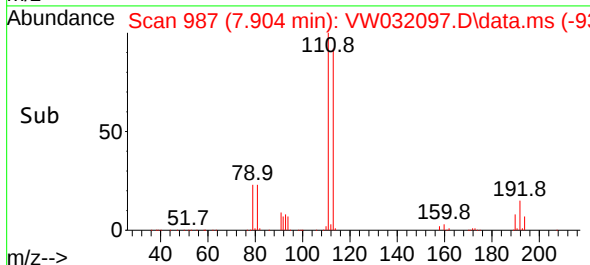
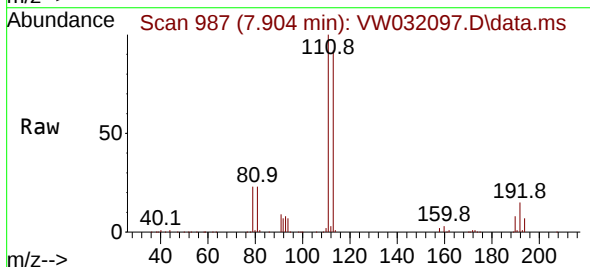


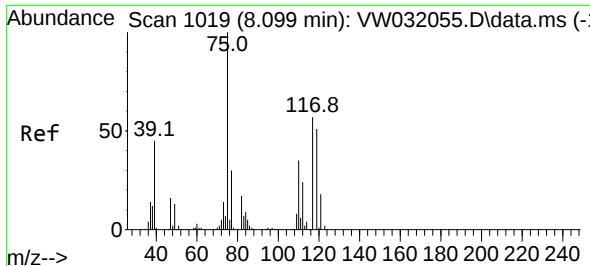
Tgt Ion:114 Resp: 288474
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.0
88 14.5 0.0 33.8



#35
Dibromofluoromethane
Concen: 53.055 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

Tgt Ion:113 Resp: 98877
Ion Ratio Lower Upper
113 100
111 102.9 80.1 120.1
192 17.3 13.1 19.7

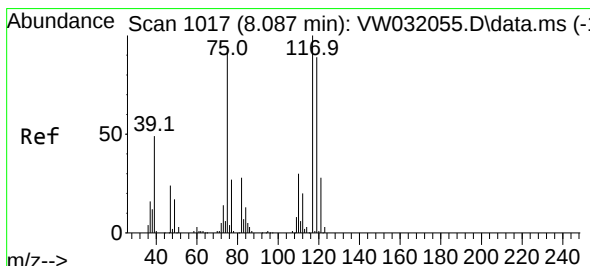
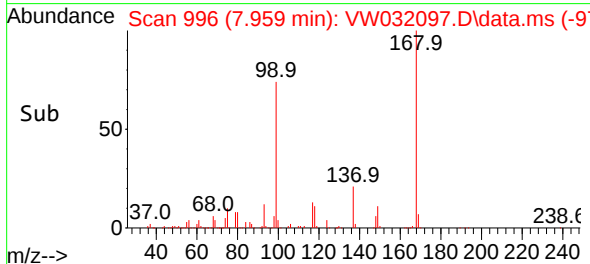
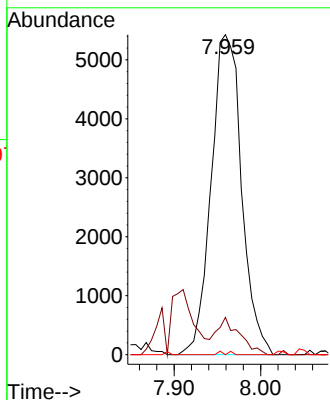
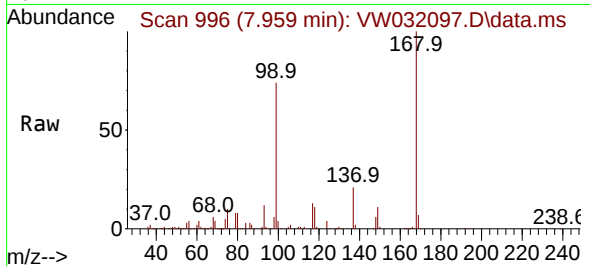




#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032097.D
 Acq: 14 Aug 2025 16:32

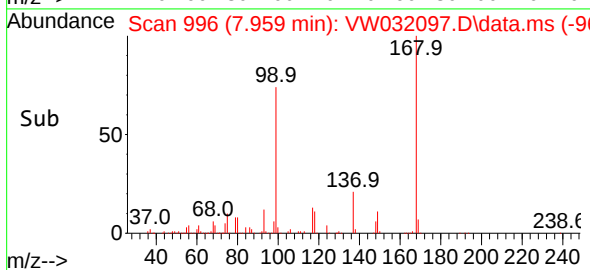
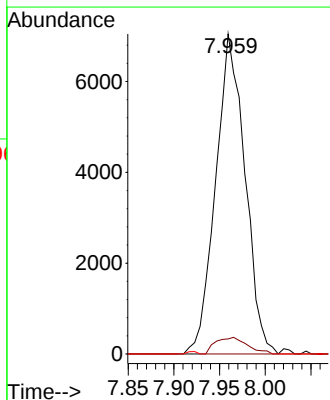
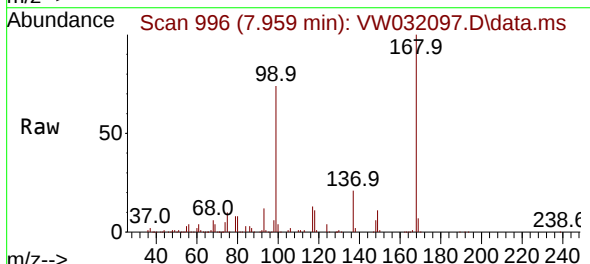
Instrument :
 MSVOA_W
 ClientSampleId :

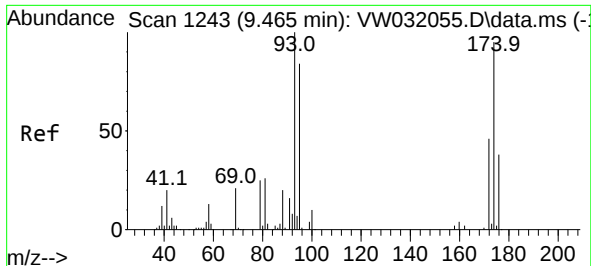
Tgt Ion: 75 Resp: 13237
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.2#
 77 0.3 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.199 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032097.D
 Acq: 14 Aug 2025 16:32

Tgt Ion: 117 Resp: 15717
 Ion Ratio Lower Upper
 117 100
 119 4.7 71.4 107.2#
 121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 3.037 ug/l

RT: 9.508 min Scan# 11

Delta R.T. 0.043 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

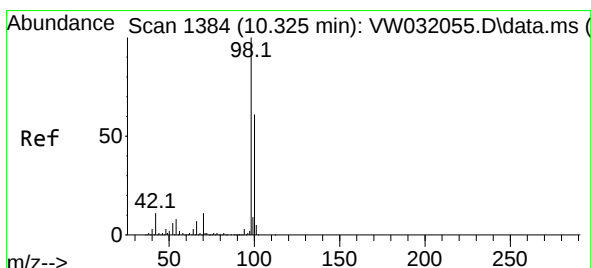
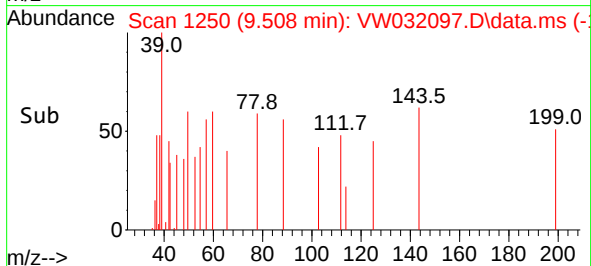
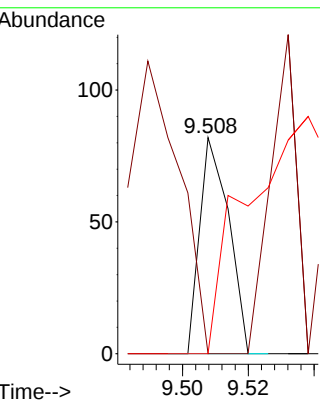
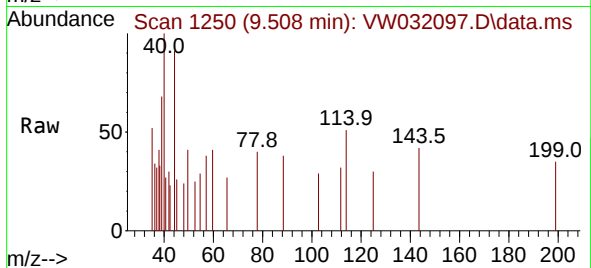
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 296.0 20.6 30.8#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 47.654 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032097.D

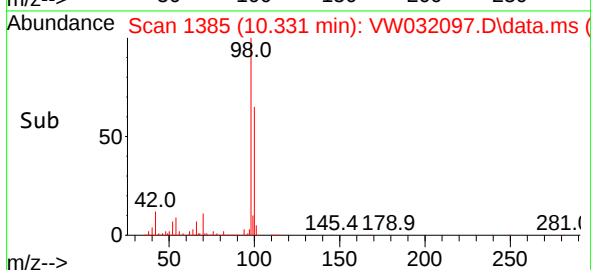
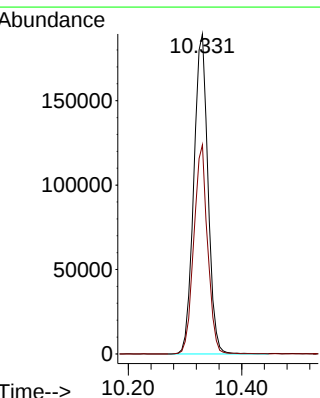
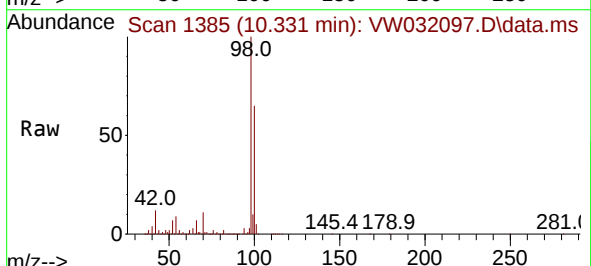
Acq: 14 Aug 2025 16:32

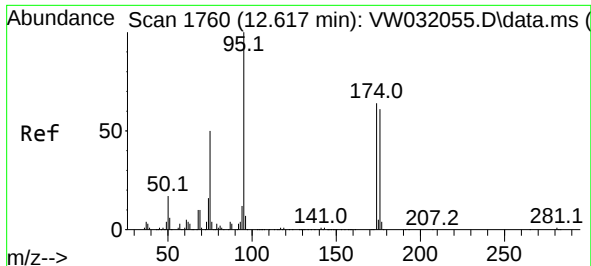
Tgt Ion: 98 Resp: 328487

Ion Ratio Lower Upper

98 100

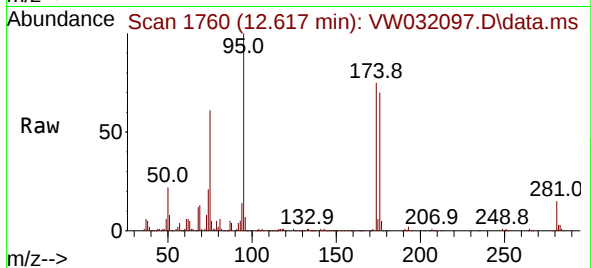
100 63.7 51.1 76.7



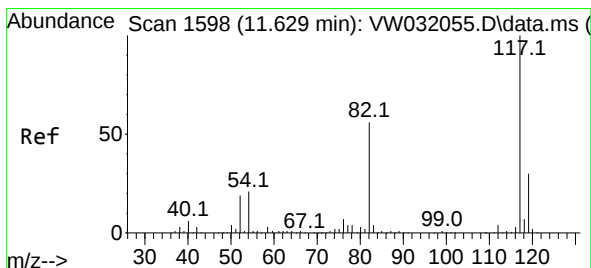
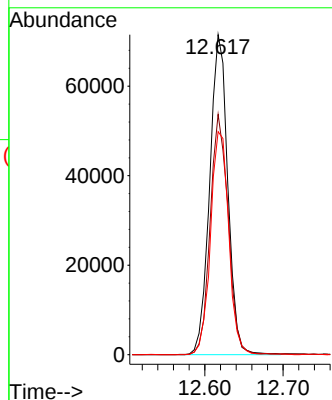
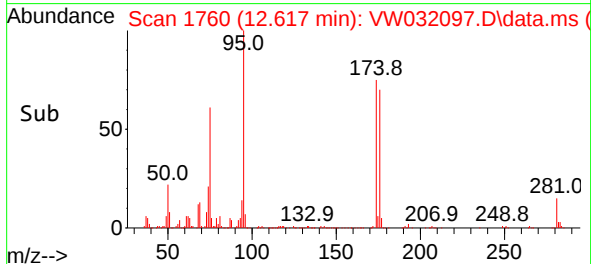


#62
4-Bromofluorobenzene
Concen: 45.092 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

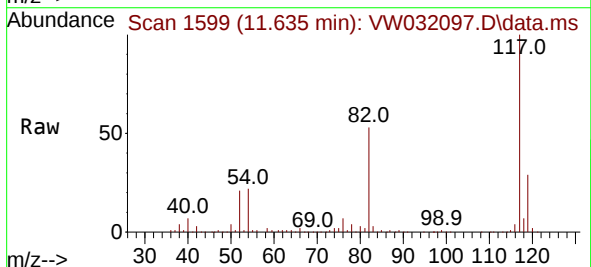
Instrument :
MSVOA_W
ClientSampleId :



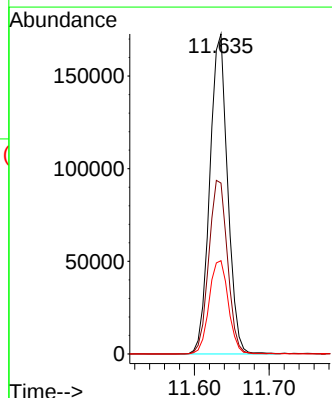
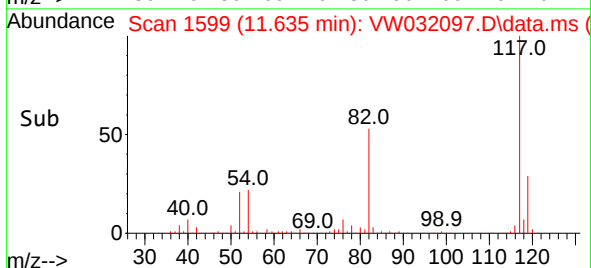
Tgt Ion: 95 Resp: 114543
Ion Ratio Lower Upper
95 100
174 75.5 0.0 129.0
176 70.5 0.0 124.6

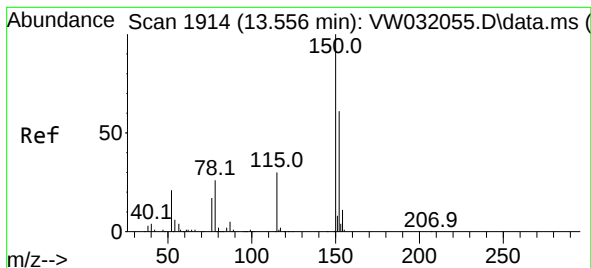


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32



Tgt Ion: 117 Resp: 286427
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 29.2 24.2 36.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

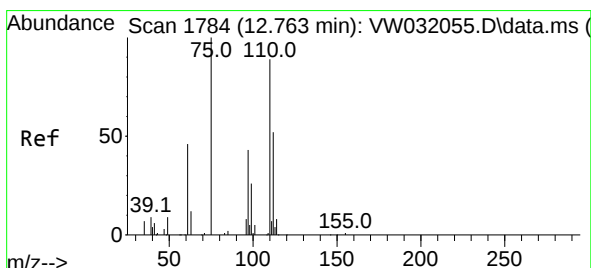
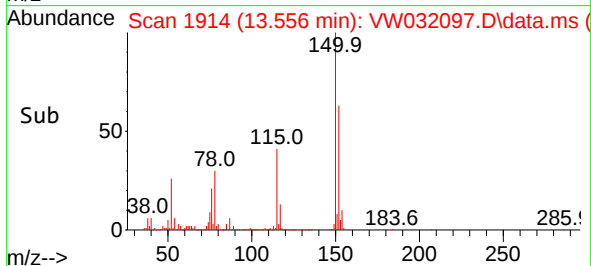
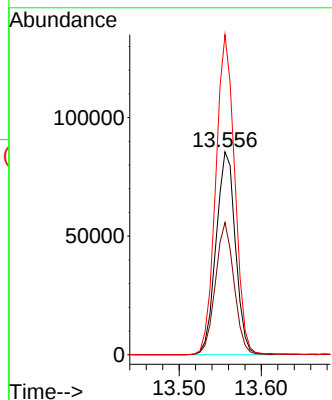
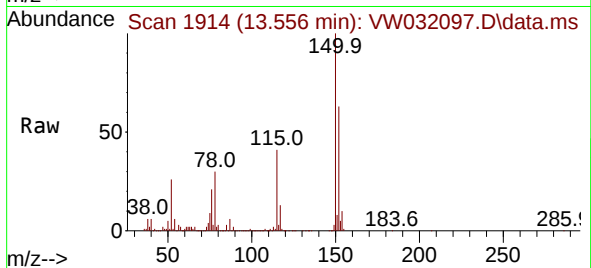
Tgt Ion:152 Resp: 140063

Ion Ratio Lower Upper

152 100

115 62.7 32.6 97.8

150 155.1 0.0 359.4



#76

1,2,3-Trichloropropane

Concen: 35.266 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032097.D

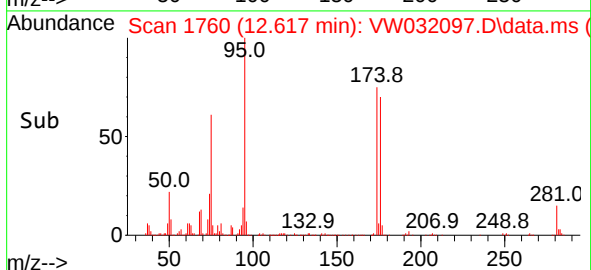
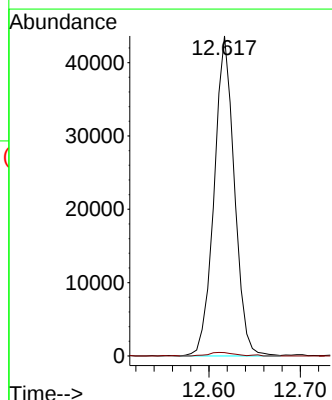
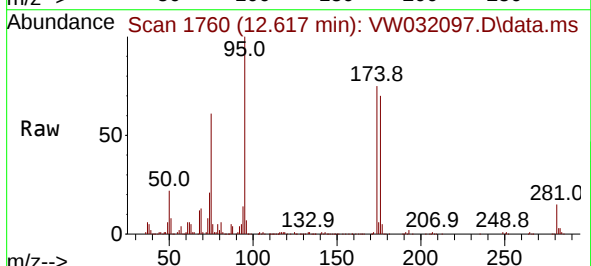
Acq: 14 Aug 2025 16:32

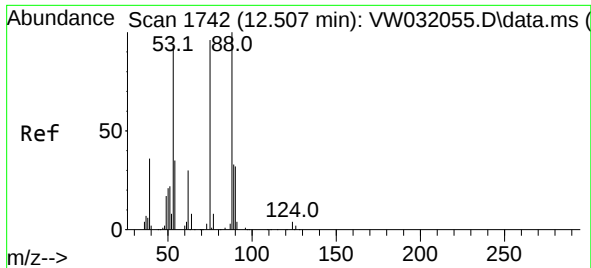
Tgt Ion: 75 Resp: 67039

Ion Ratio Lower Upper

75 100

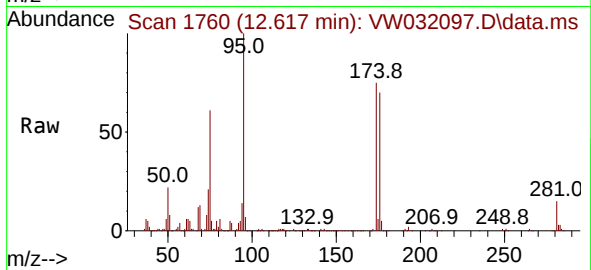
77 1.4 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.299 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032097.D
 Acq: 14 Aug 2025 16:32

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 67039
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.6#
 89 0.9 37.3 55.9#

