

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032459.D
 Acq On : 17 Nov 2025 15:39
 Operator : SY/MD
 Sample : Q3641-01
 Misc : 5.08g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-111325

Quant Time: Nov 18 03:05:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

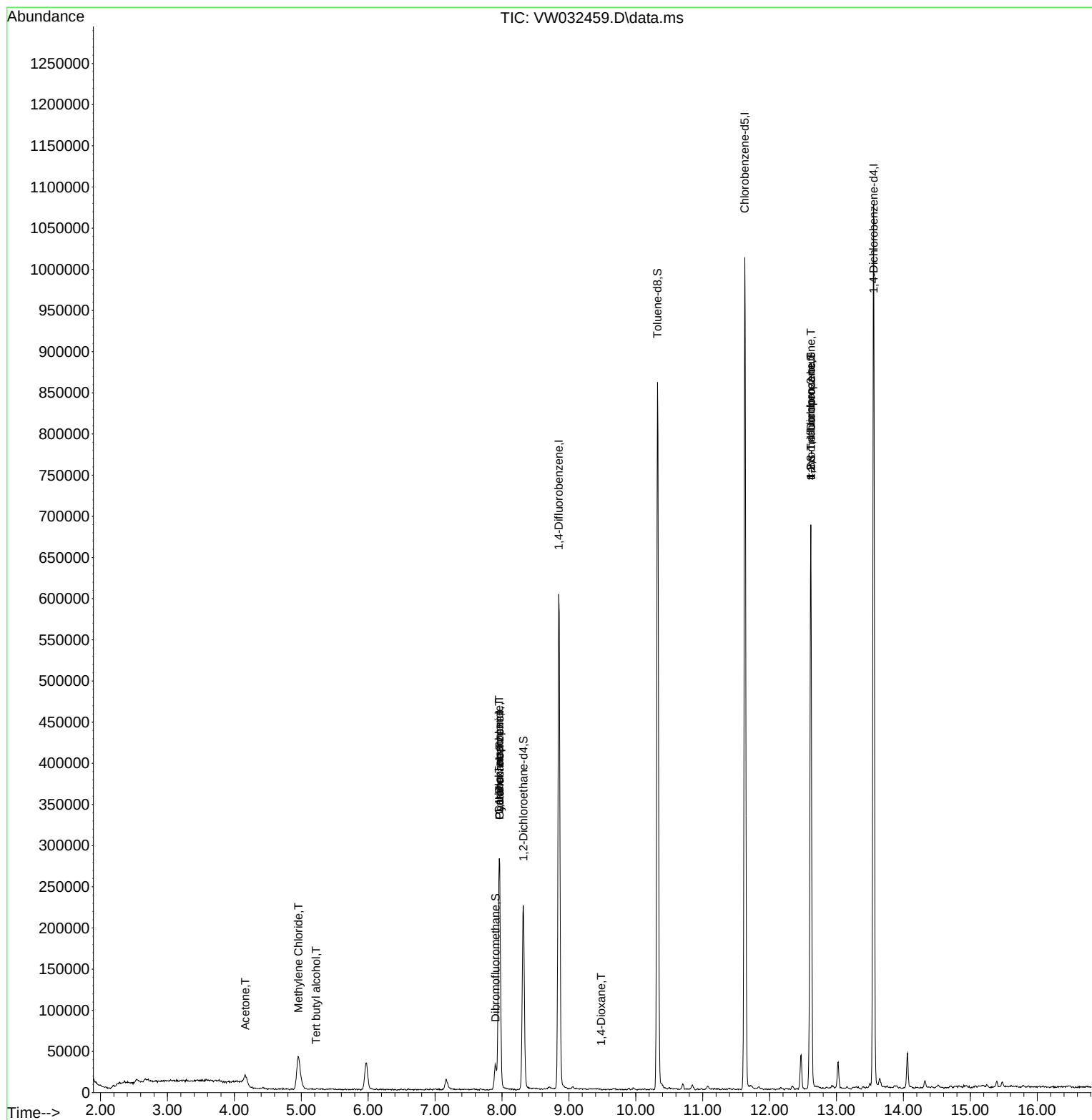
Internal Standards						
1) Pentafluorobenzene	7.965	168	201837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	499372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	549522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	277082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	179936	69.149	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	138.300%	
35) Dibromofluoromethane	7.904	113	22477	7.518	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	15.040%#	
50) Toluene-d8	10.325	98	563899	49.163	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	98.320%	
62) 4-Bromofluorobenzene	12.617	95	235122	54.264	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	108.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	391	1.738	ug/l #	72
16) Acetone	4.161	43	18247	23.439	ug/l	95
20) Methylene Chloride	4.960	84	36087	12.962	ug/l	96
31) Cyclohexane	7.965	56	5314	1.234	ug/l #	7
36) 1,1-Dichloropropene	7.959	75	18235	4.139	ug/l #	50
38) Carbon Tetrachloride	7.959	117	21427	5.474	ug/l #	16
49) 1,4-Dioxane	9.483	88	77	2.663	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	116225	30.592	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	116225	70.068	ug/l #	11

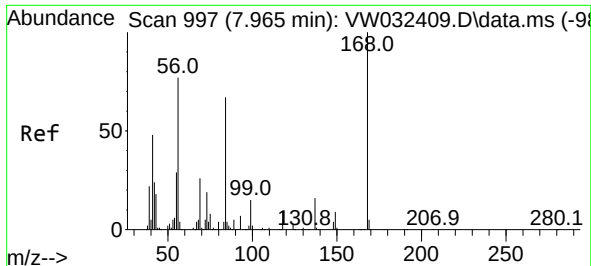
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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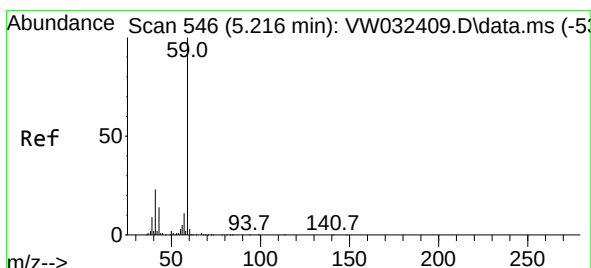
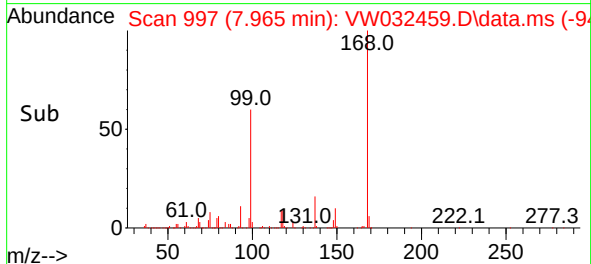
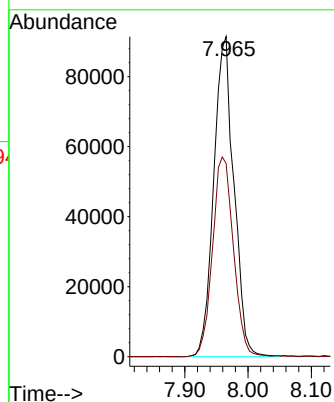
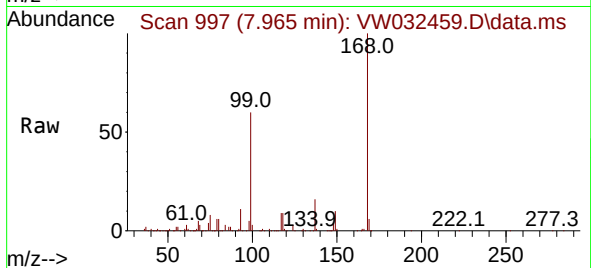




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

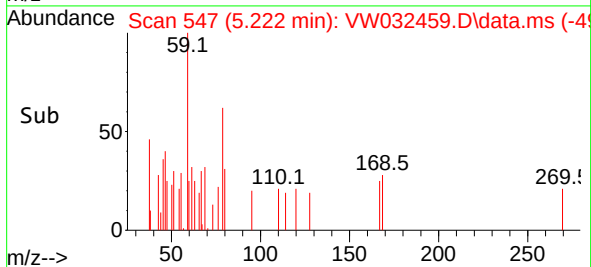
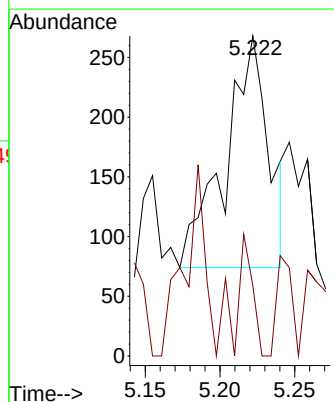
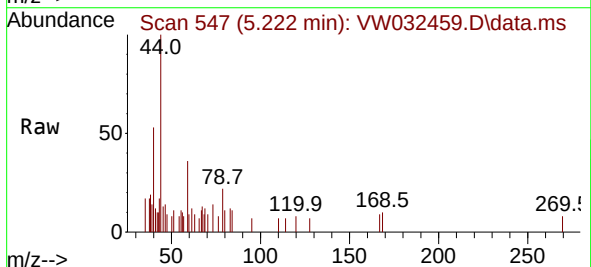
Instrument :
MSVOA_W
ClientSampleId :
TR-05-111325

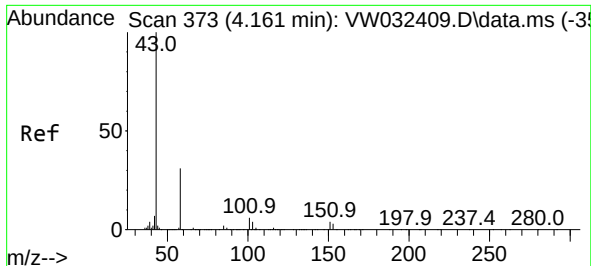
Tgt Ion:168 Resp: 201837
Ion Ratio Lower Upper
168 100
99 60.4 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.738 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 21.2 8.6 12.8#

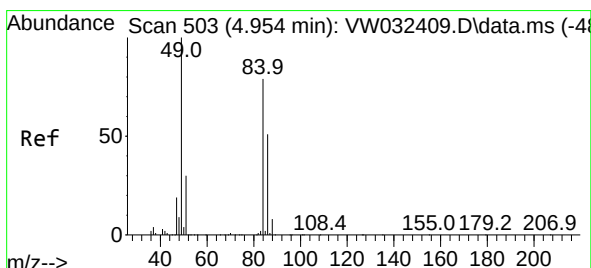
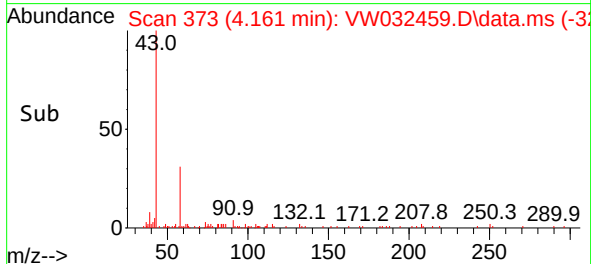
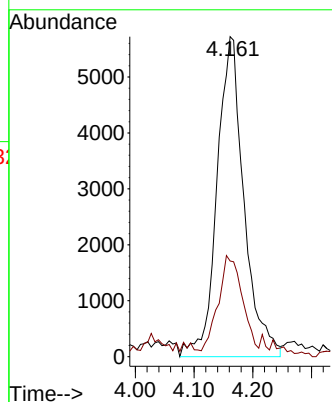
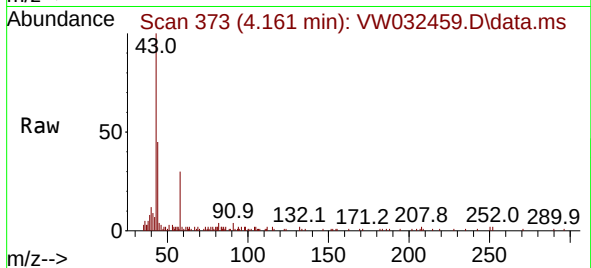




#16
Acetone
Concen: 23.439 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

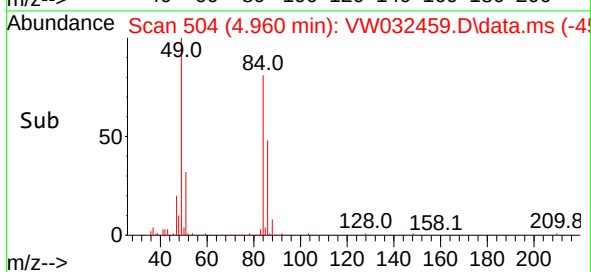
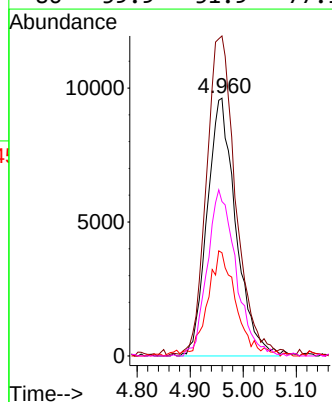
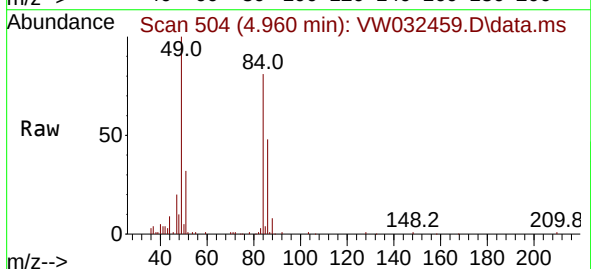
Instrument :
MSVOA_W
ClientSampleId :
TR-05-111325

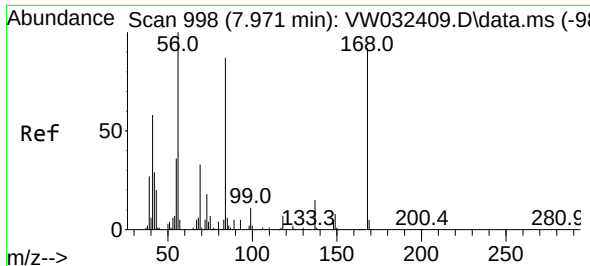
Tgt Ion: 43 Resp: 18247
Ion Ratio Lower Upper
43 100
58 28.2 24.8 37.2



#20
Methylene Chloride
Concen: 12.962 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

Tgt Ion: 84 Resp: 36087
Ion Ratio Lower Upper
84 100
49 123.5 101.5 152.3
51 40.0 30.6 46.0
86 59.9 51.9 77.9

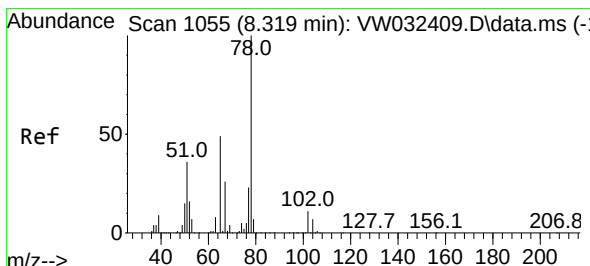
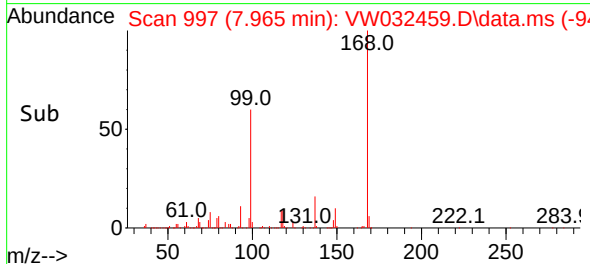
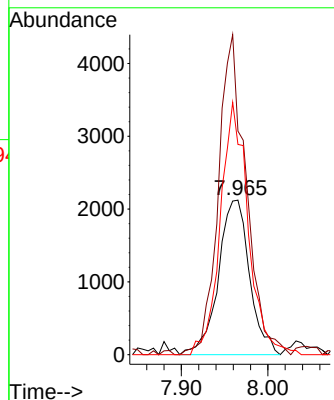
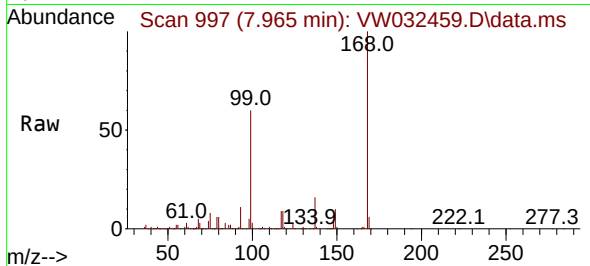




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

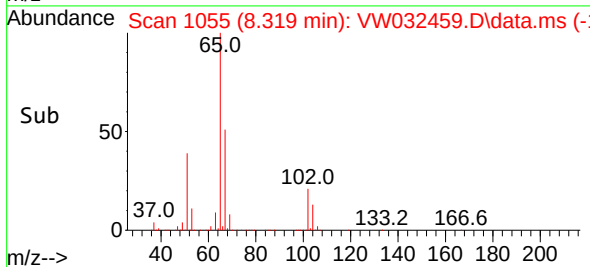
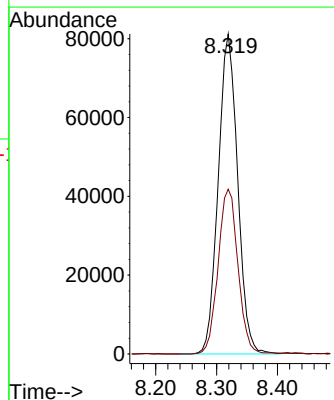
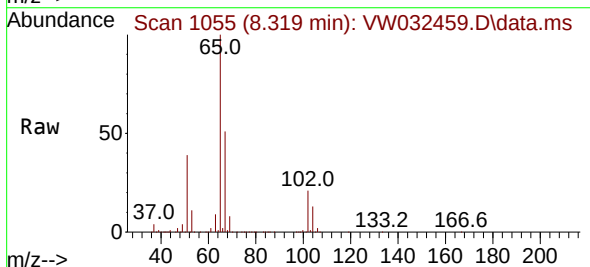
Instrument :
MSVOA_W
ClientSampleId :
TR-05-111325

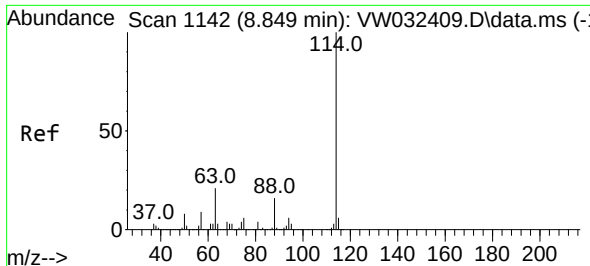
Tgt Ion: 56 Resp: 5314
Ion Ratio Lower Upper
56 100
69 144.6 26.5 39.7#
84 136.0 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 69.149 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

Tgt Ion: 65 Resp: 179936
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

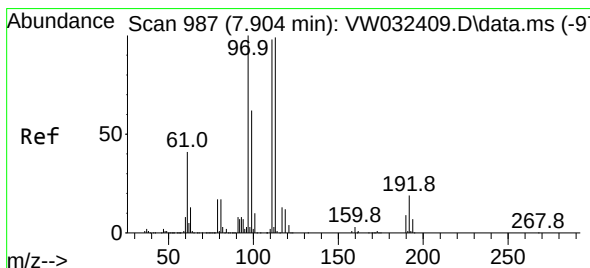
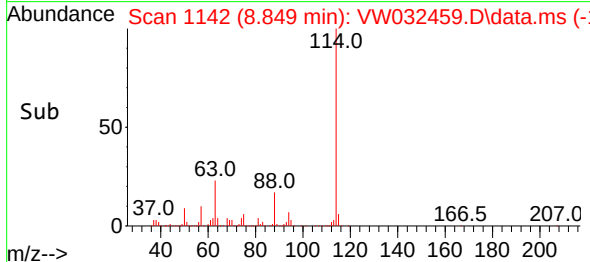
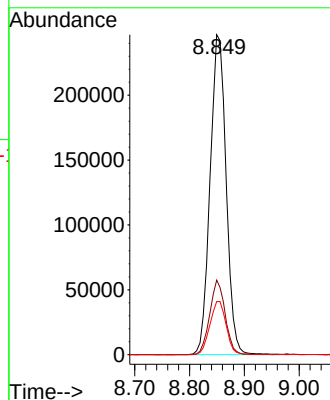
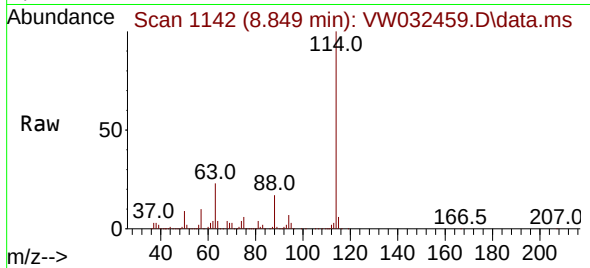




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

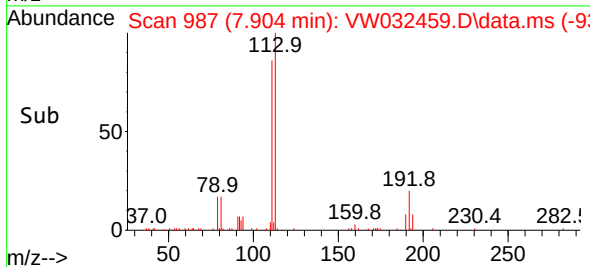
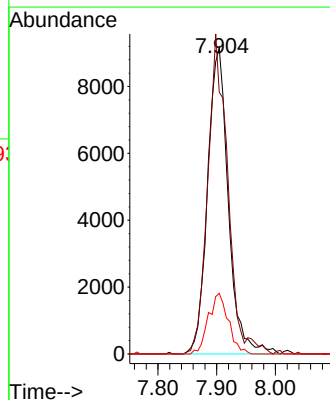
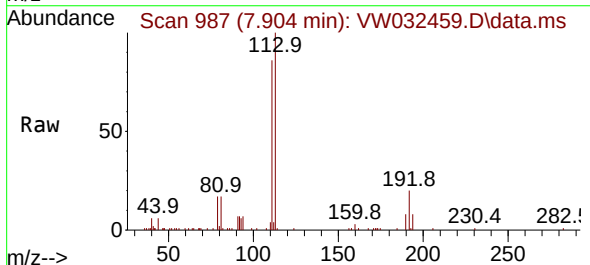
Instrument :
MSVOA_W
ClientSampleId :
TR-05-111325

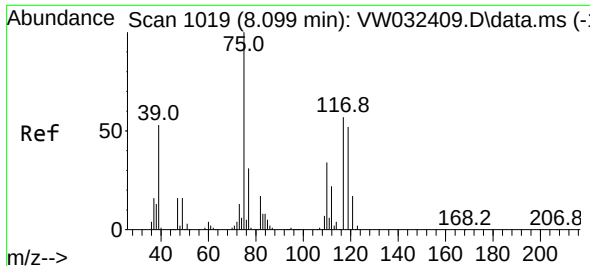
Tgt Ion:	114	Resp:	499372
Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	16.6	0.0	32.6



#35
Dibromofluoromethane
Concen: 7.518 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

Tgt Ion:	113	Resp:	22477
Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	19.1	13.4	20.2

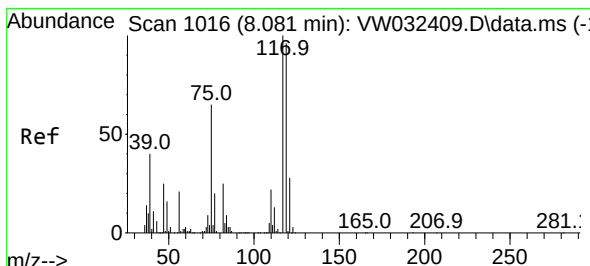
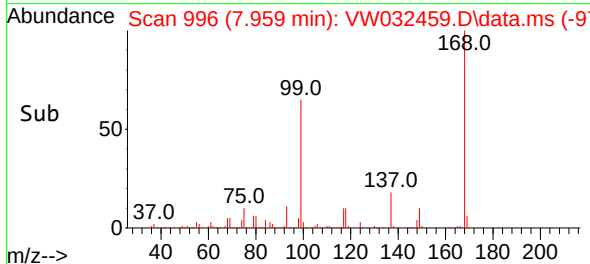
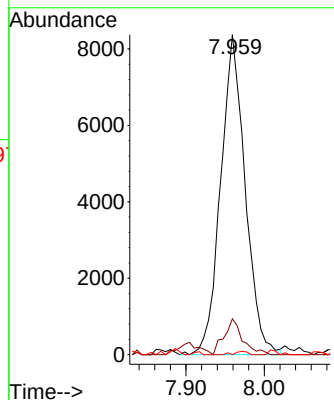
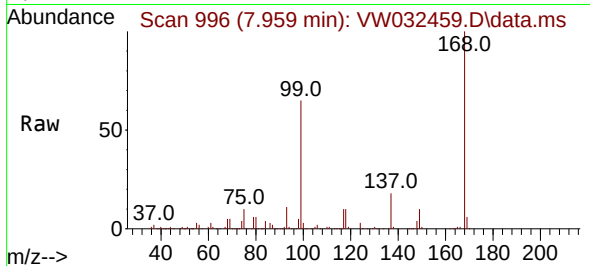




#36
 1,1-Dichloropropene
 Concen: 4.139 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032459.D
 Acq: 17 Nov 2025 15:39

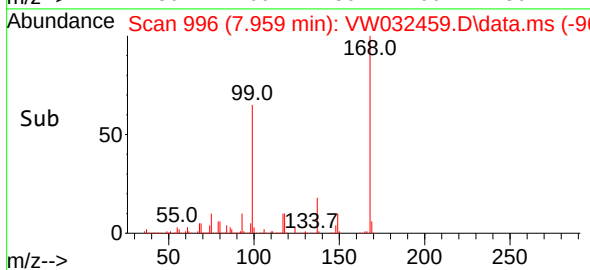
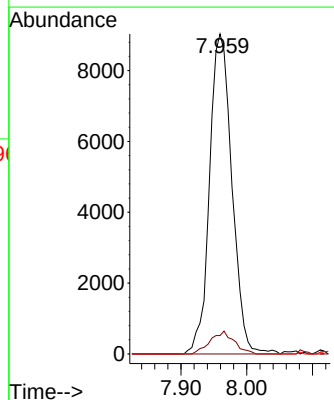
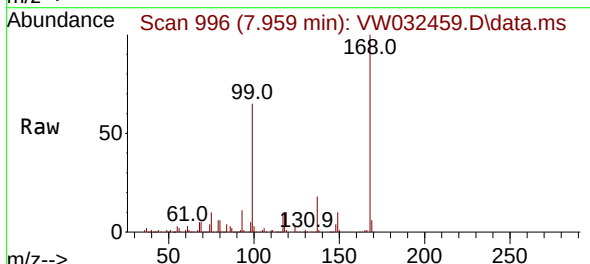
Instrument :
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 ClientSampleId :
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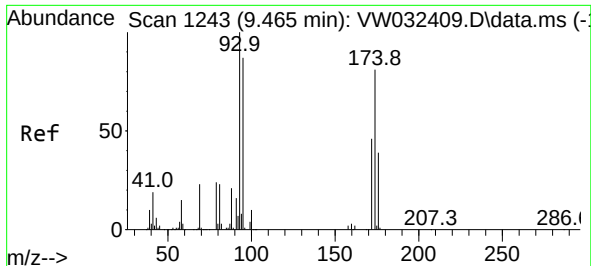
Tgt Ion: 75 Resp: 18235
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.2 51.5#
 77 0.6 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.474 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032459.D
 Acq: 17 Nov 2025 15:39

Tgt Ion: 117 Resp: 21427
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.0 115.4#
 121 0.0 22.0 33.0#





#49

1,4-Dioxane

Concen: 2.663 ug/l

RT: 9.483 min Scan# 1246

Delta R.T. 0.018 min

Lab File: VW032459.D

Acq: 17 Nov 2025 15:39

Instrument :

MSVOA_W

ClientSampleId :

TR-05-111325

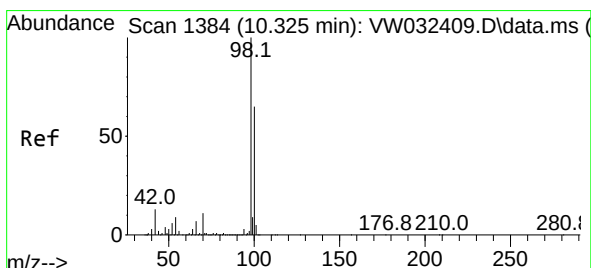
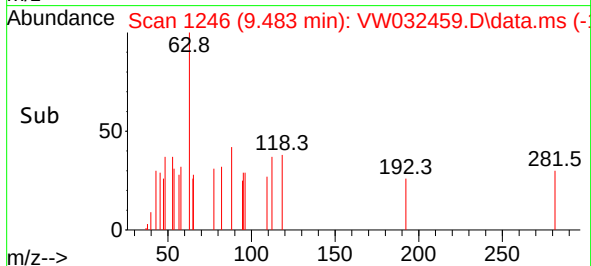
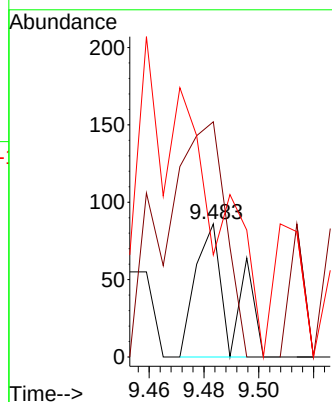
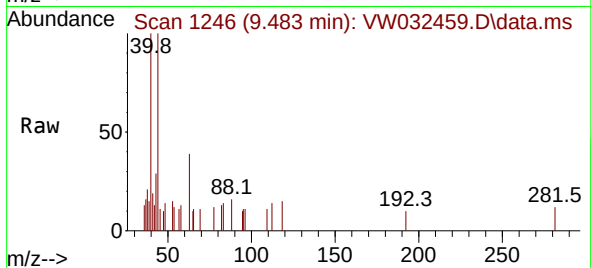
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 310.4 0.0 0.0#

58 0.0 63.0 94.4#



#50

Toluene-d8

Concen: 49.163 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032459.D

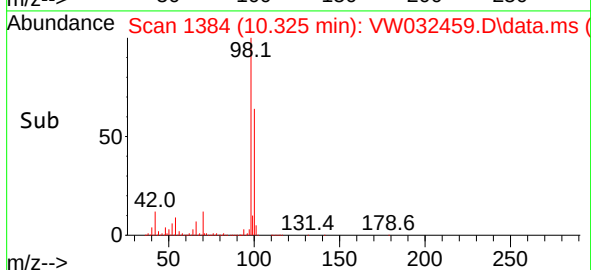
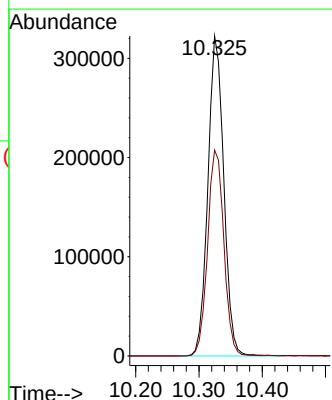
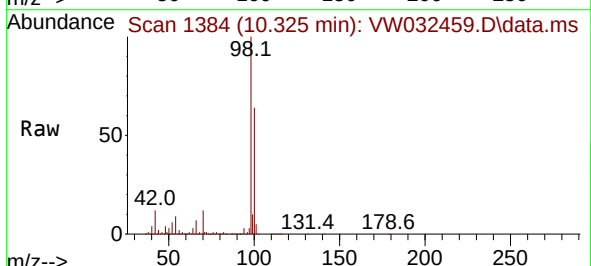
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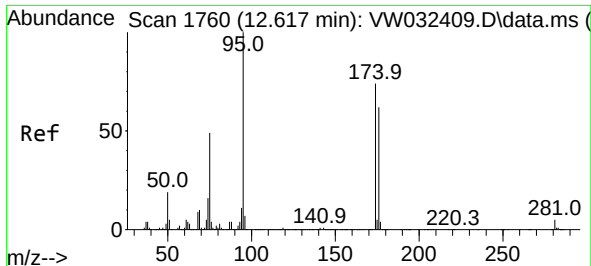
Tgt Ion: 98 Resp: 563899

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9

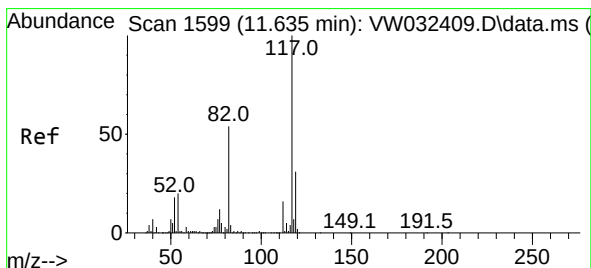
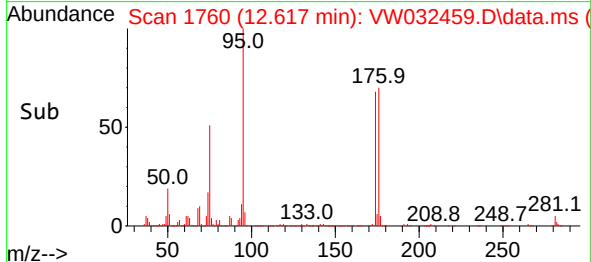
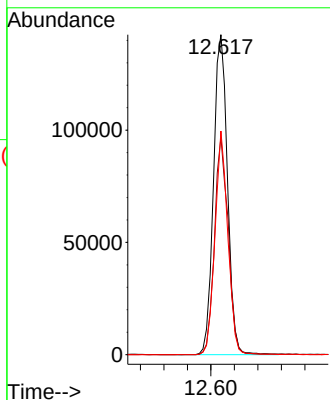
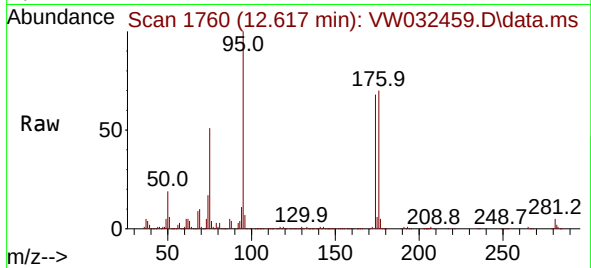




#62
4-Bromofluorobenzene
Concen: 54.264 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

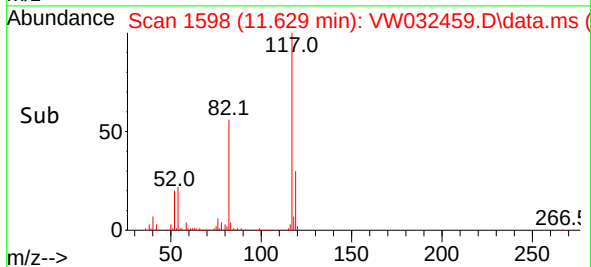
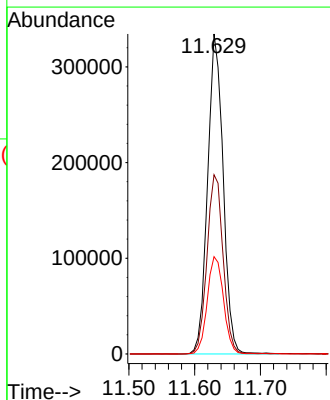
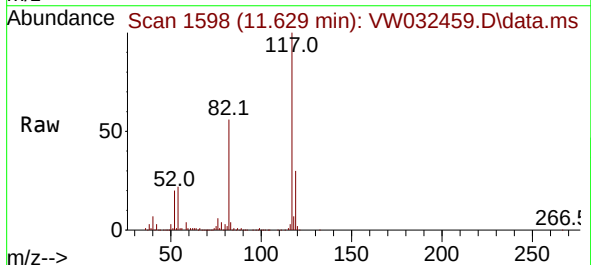
Instrument :
MSVOA_W
ClientSampleId :
TR-05-111325

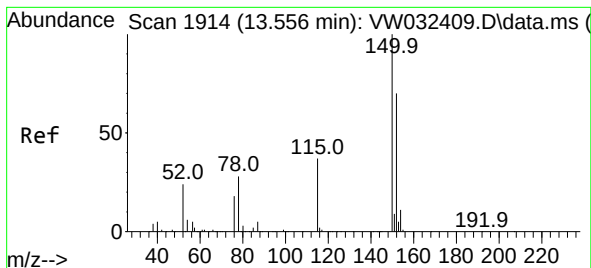
Tgt Ion: 95 Resp: 235122
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.4
176 64.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032459.D
Acq: 17 Nov 2025 15:39

Tgt Ion: 117 Resp: 549522
Ion Ratio Lower Upper
117 100
82 56.0 43.0 64.4
119 30.4 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032459.D

Acq: 17 Nov 2025 15:39

Instrument :

MSVOA_W

ClientSampleId :

TR-05-111325

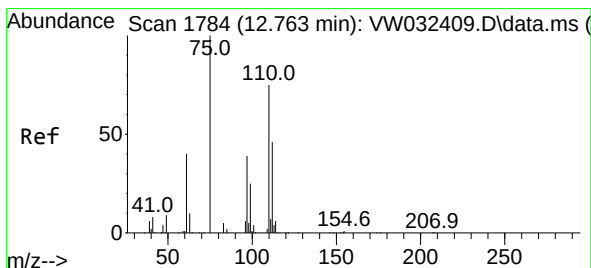
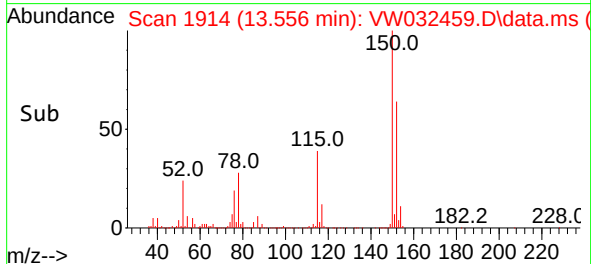
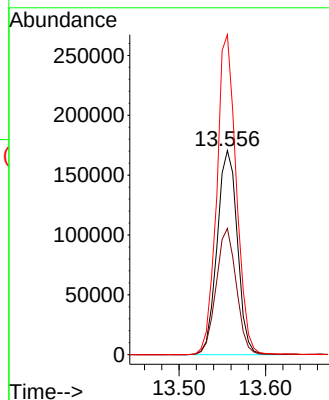
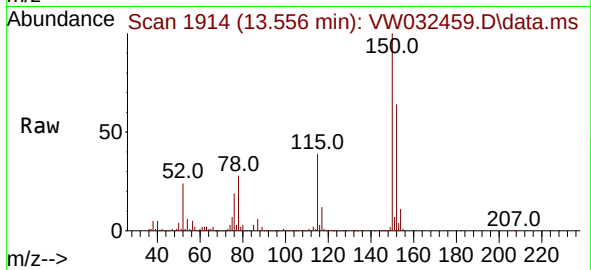
Tgt Ion:152 Resp: 277082

Ion Ratio Lower Upper

152 100

115 61.9 32.8 98.3

150 151.6 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 30.592 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032459.D

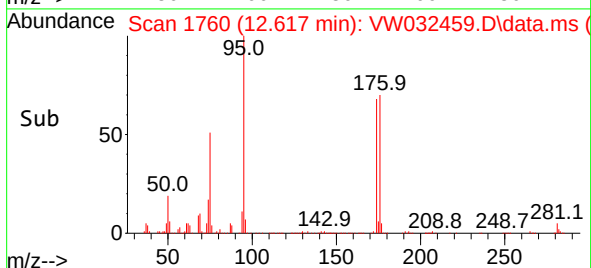
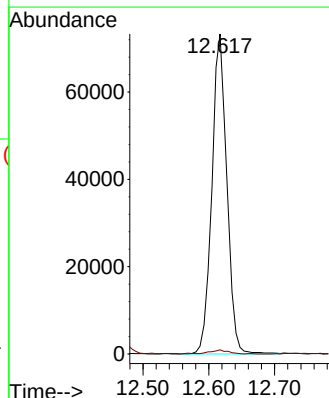
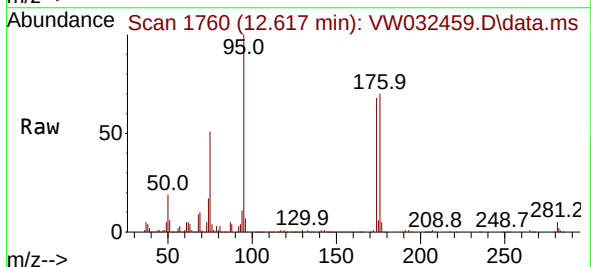
Acq: 17 Nov 2025 15:39

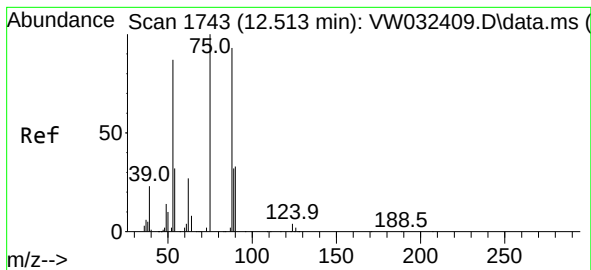
Tgt Ion: 75 Resp: 116225

Ion Ratio Lower Upper

75 100

77 1.5 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.068 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032459.D
 Acq: 17 Nov 2025 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-111325

Tgt Ion: 75 Resp: 116225
 Ion Ratio Lower Upper
 75 100
 53 0.5 77.8 116.8#
 89 0.0 35.6 53.4#

