

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032361.D
 Acq On : 06 Oct 2025 15:54
 Operator : SY/MD
 Sample : Q3289-05
 Misc : 4.80g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 03:48:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

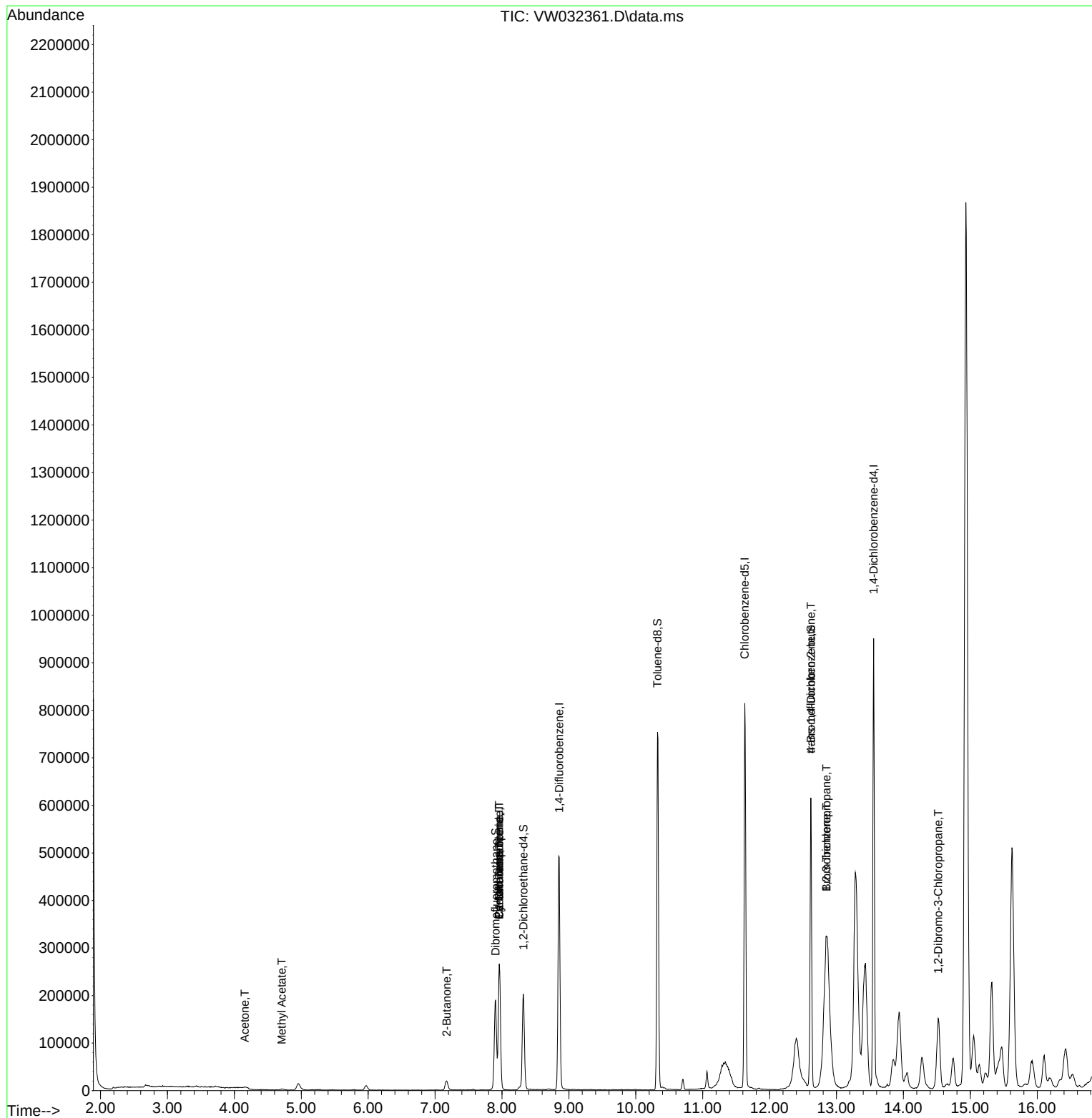
Internal Standards						
1) Pentafluorobenzene	7.959	168	177405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	416637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	430281	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	232916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168372	65.070	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 130.140%		
35) Dibromofluoromethane	7.904	113	138510	51.335	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.660%		
50) Toluene-d8	10.325	98	500560	50.265	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.540%		
62) 4-Bromofluorobenzene	12.617	95	213384	56.691	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 113.380%		
Target Compounds						
						Qvalue
16) Acetone	4.155	43	2104	2.937	ug/l #	20
18) Methyl Acetate	4.710	43	4361	2.125	ug/l #	72
20) Methylene Chloride	4.954	84	12448	Below Cal		95
25) 2-Butanone	7.173	43	1285	1.317	ug/l #	79
31) Cyclohexane	7.959	56	4793	1.316	ug/l #	22
36) 1,1-Dichloropropene	7.959	75	17880	4.695	ug/l #	51
38) Carbon Tetrachloride	7.959	117	21523	6.006	ug/l #	18
76) 1,2,3-Trichloropropane	12.849	75	13946	4.550	ug/l #	22
77) Bromobenzene	12.849	156	441788	115.012	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	109224	90.274	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.519	75	5266	7.602	ug/l #	3

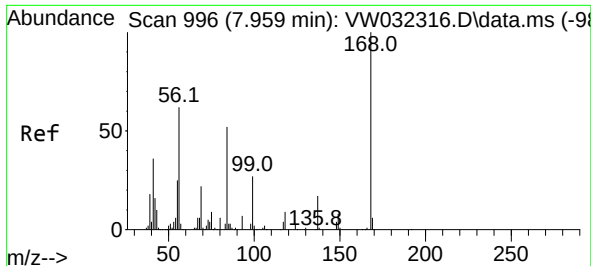
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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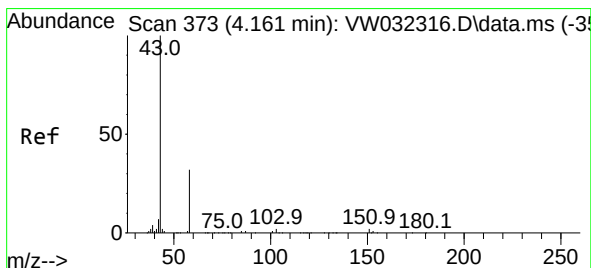
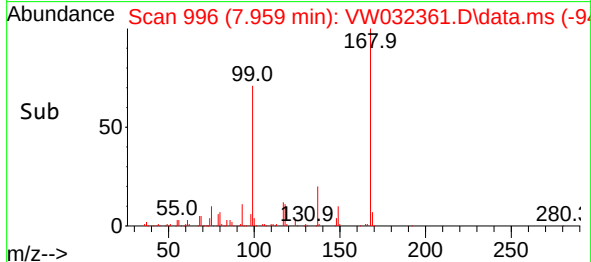
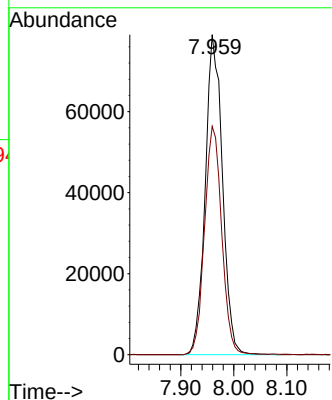
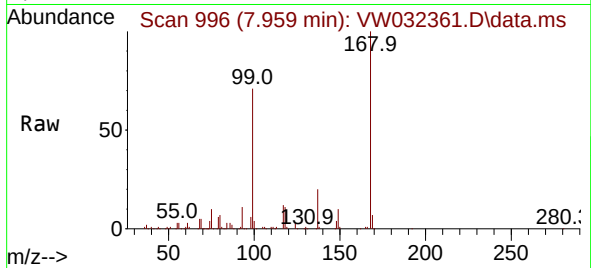




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

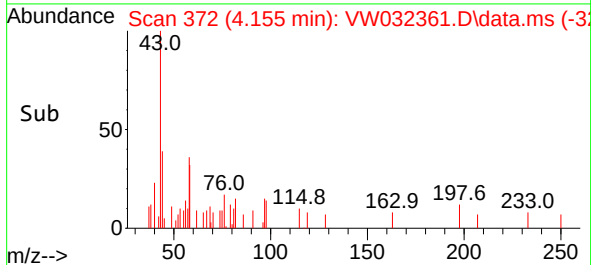
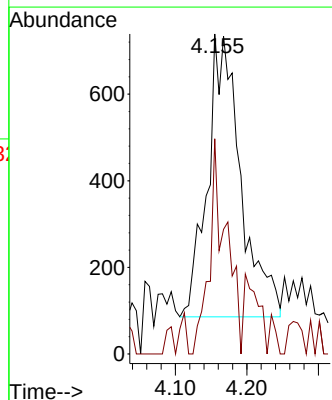
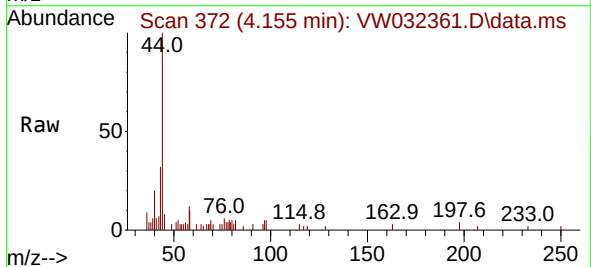
Instrument :
MSVOA_W
ClientSampleId :

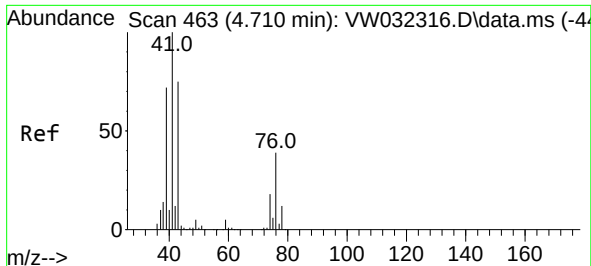
Tgt Ion:168 Resp: 177405
Ion Ratio Lower Upper
168 100
99 71.3 49.3 73.9



#16
Acetone
Concen: 2.937 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
58 76.1 25.3 37.9#

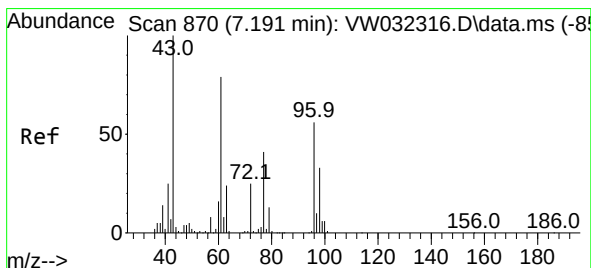
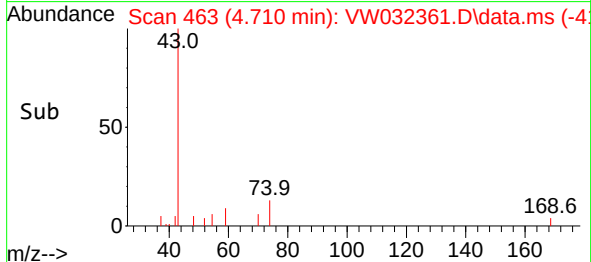
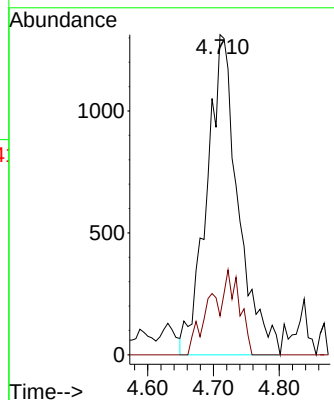
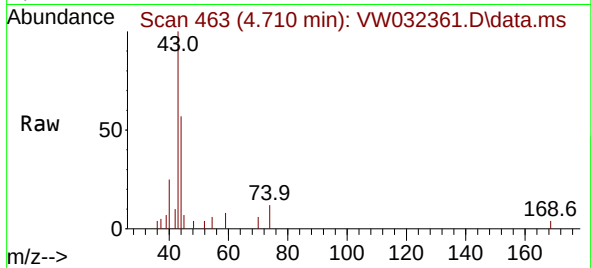




#18
Methyl Acetate
Concen: 2.125 ug/l
RT: 4.710 min Scan# 418
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

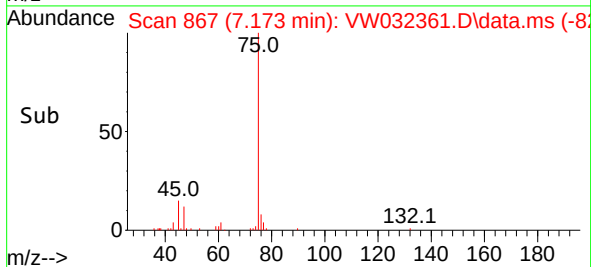
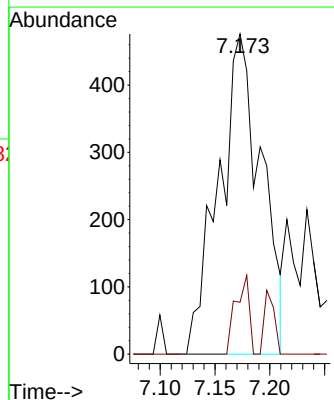
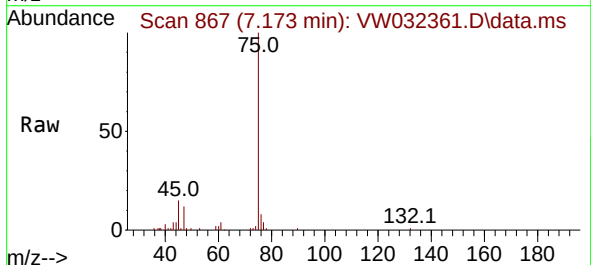
Instrument :
MSVOA_W
ClientSampleId :

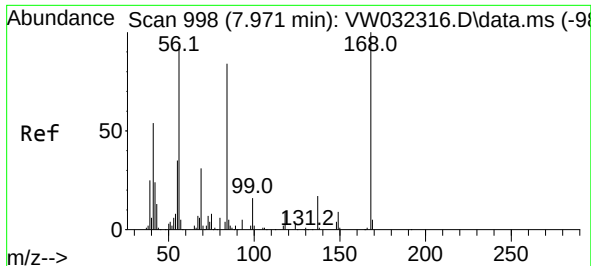
Tgt Ion: 43 Resp: 4361
Ion Ratio Lower Upper
43 100
74 11.0 20.2 30.4#



#25
2-Butanone
Concen: 1.317 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

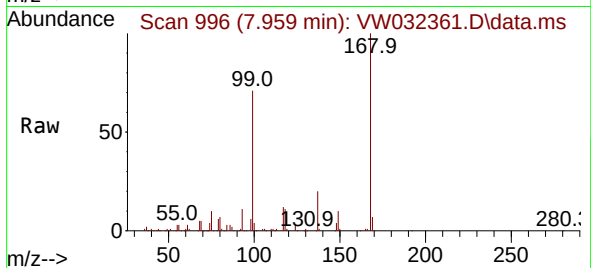
Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
72 16.2 21.4 32.2#



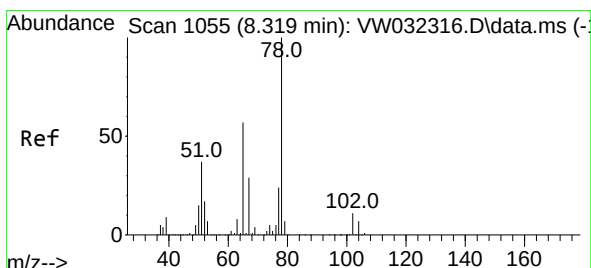
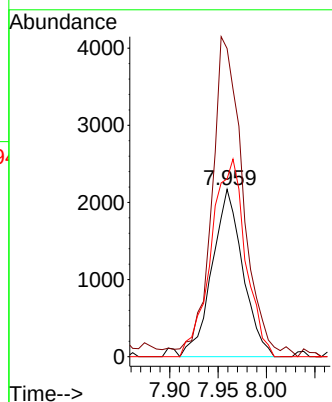
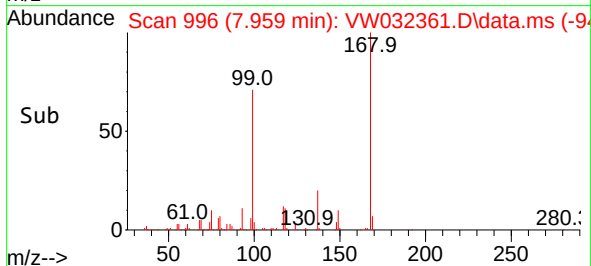


#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Instrument :
MSVOA_W
ClientSampleId :

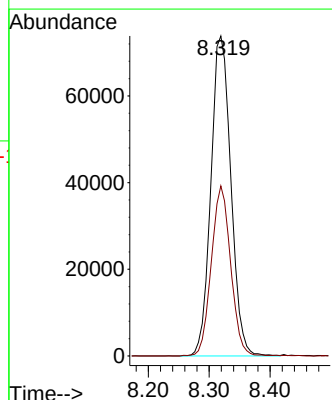
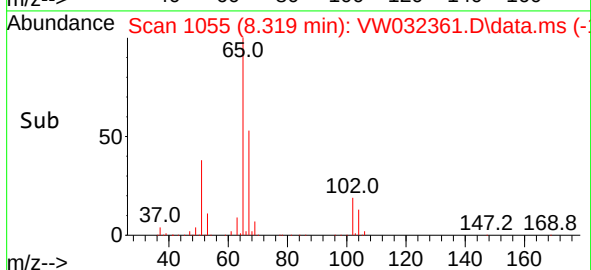
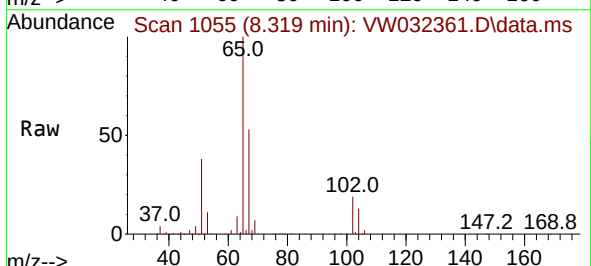


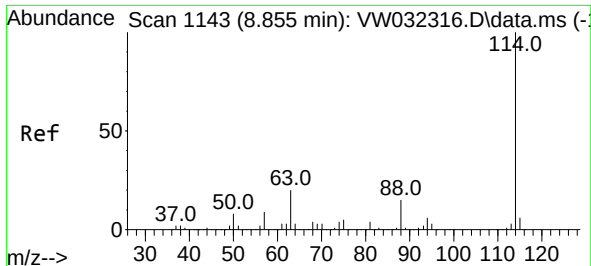
Tgt Ion: 56 Resp: 4793
Ion Ratio Lower Upper
56 100
69 180.4 27.7 41.5#
84 106.2 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 65.070 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

Tgt Ion: 65 Resp: 168372
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

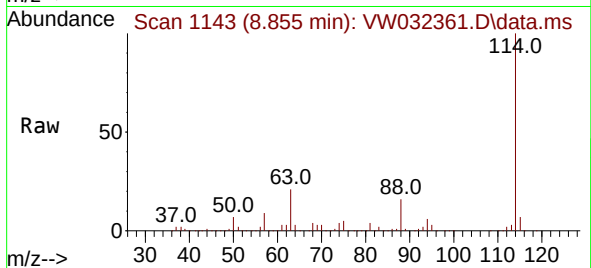
Lab File: VW032361.D

Acq: 06 Oct 2025 15:54

Instrument :

MSVOA_W

ClientSampleId :



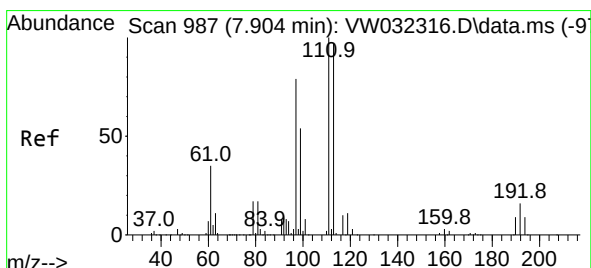
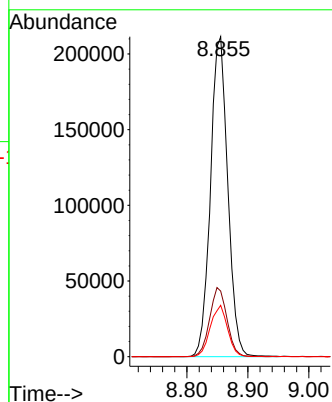
Tgt Ion:114 Resp: 416637

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

88 16.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.335 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032361.D

Acq: 06 Oct 2025 15:54

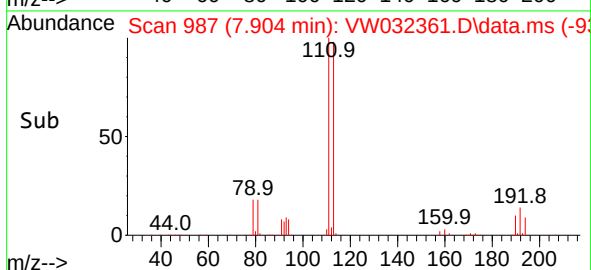
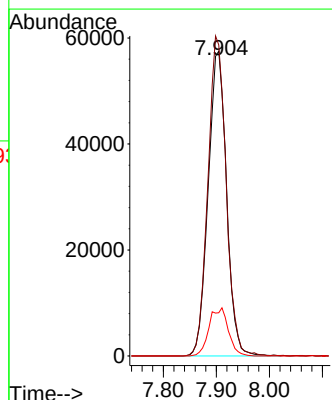
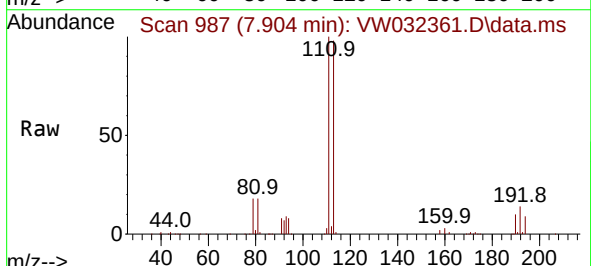
Tgt Ion:113 Resp: 138510

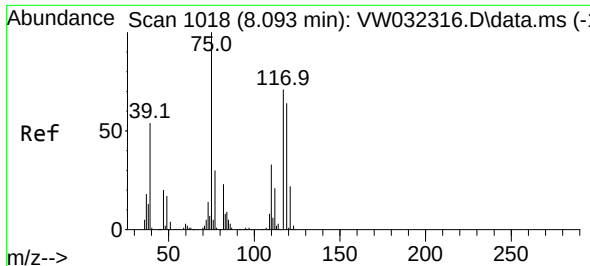
Ion Ratio Lower Upper

113 100

111 104.0 83.9 125.9

192 16.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.695 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032361.D

Acq: 06 Oct 2025 15:54

Instrument :

MSVOA_W

ClientSampleId :

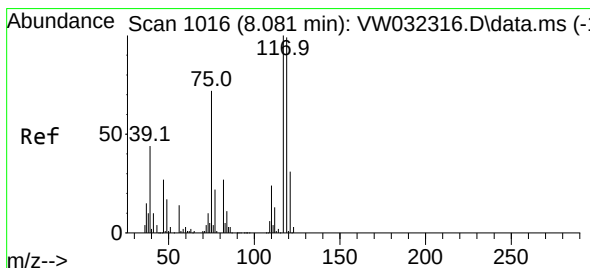
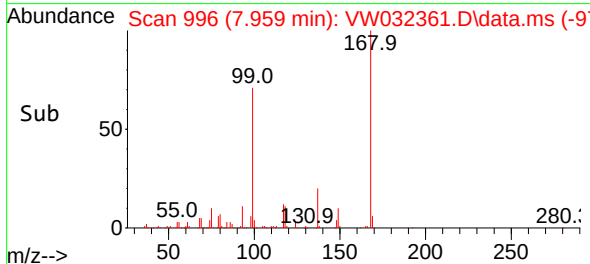
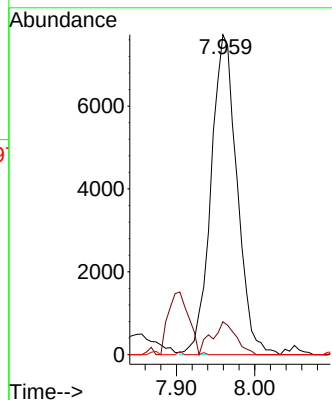
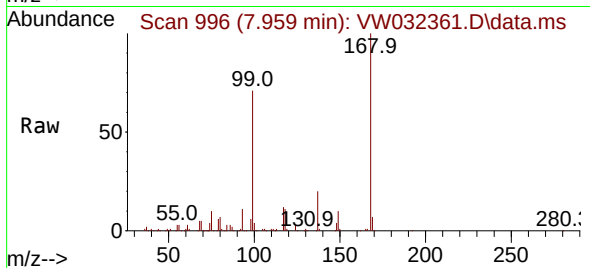
Tgt Ion: 75 Resp: 17880

Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.006 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032361.D

Acq: 06 Oct 2025 15:54

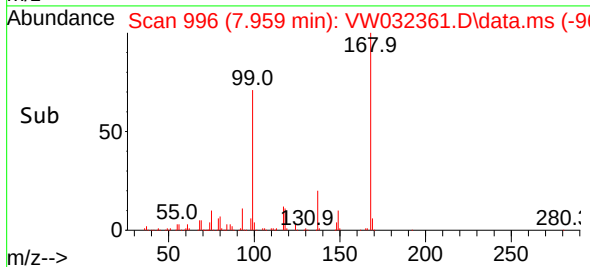
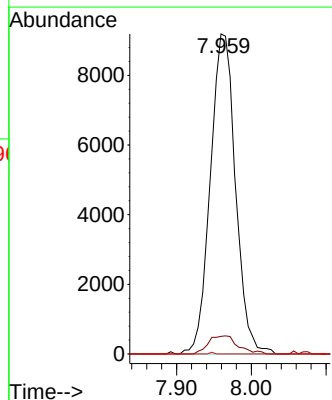
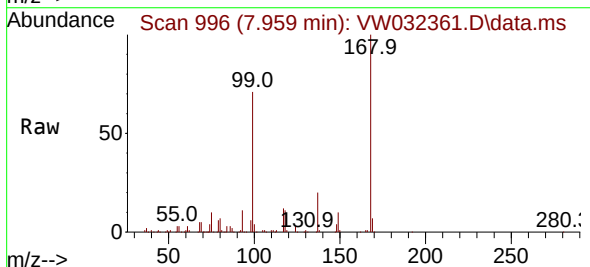
Tgt Ion: 117 Resp: 21523

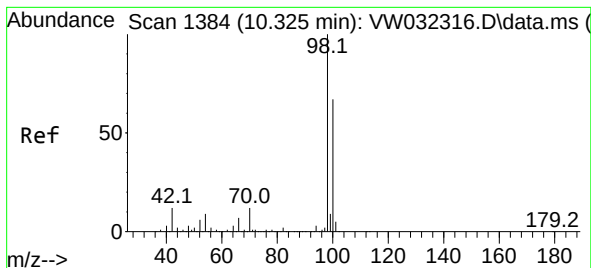
Ion Ratio Lower Upper

117 100

119 5.5 74.2 111.2#

121 0.0 25.6 38.4#

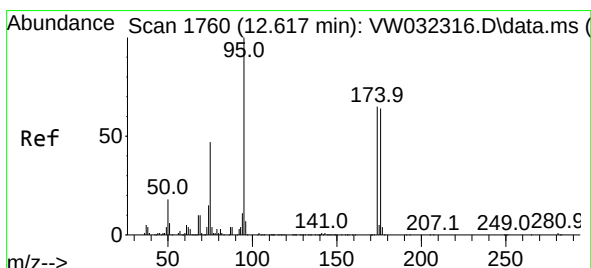
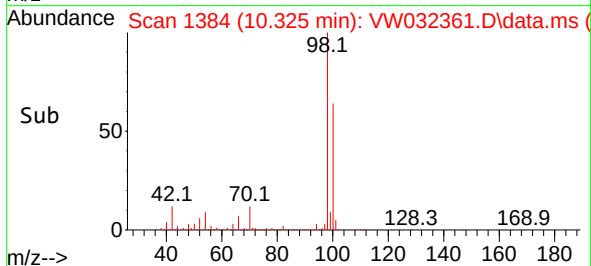
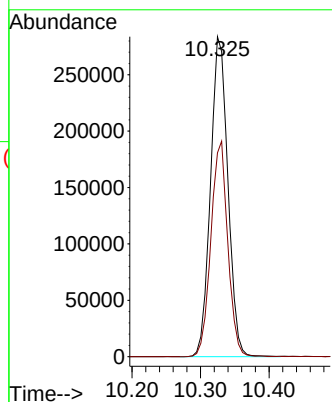
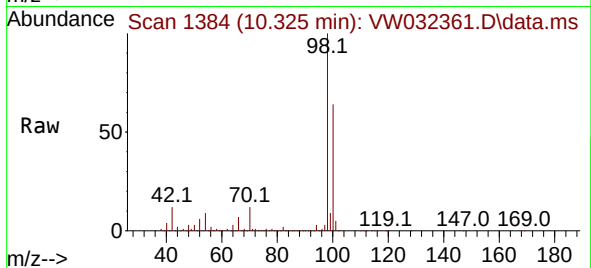




#50
Toluene-d8
Concen: 50.265 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

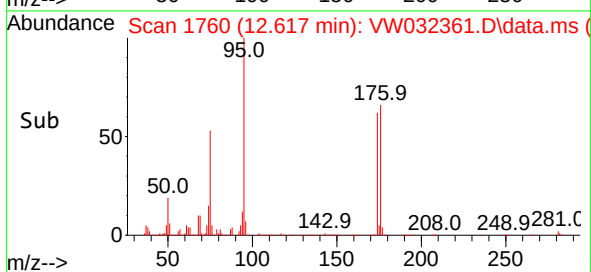
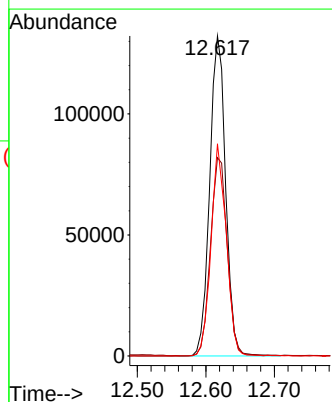
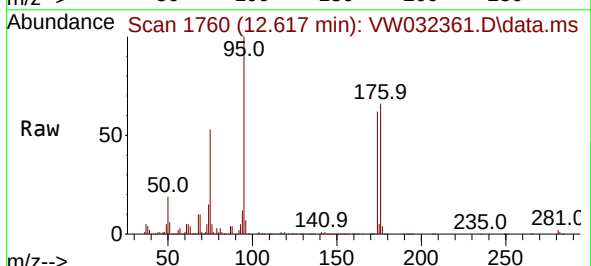
Instrument :
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ClientSampleId :

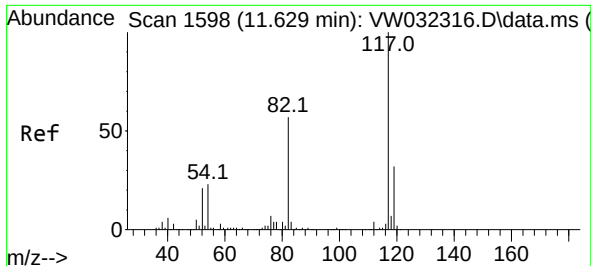
Tgt Ion: 98 Resp: 500560
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 56.691 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

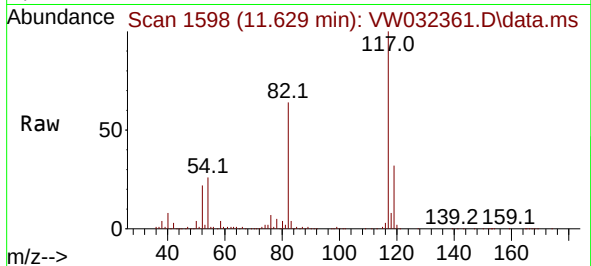
Tgt Ion: 95 Resp: 213384
Ion Ratio Lower Upper
95 100
174 65.4 0.0 145.6
176 63.7 0.0 140.8



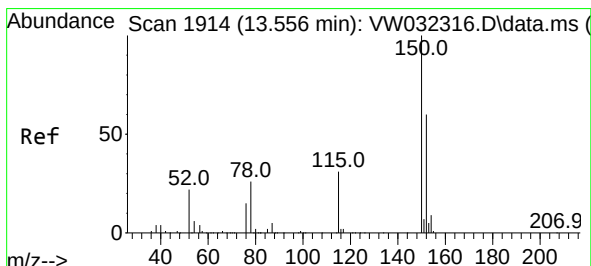
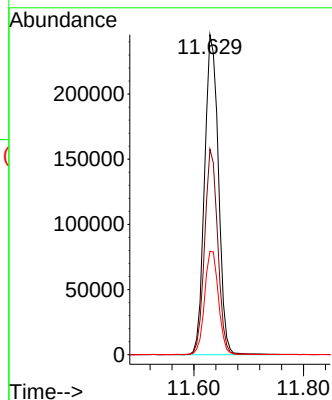
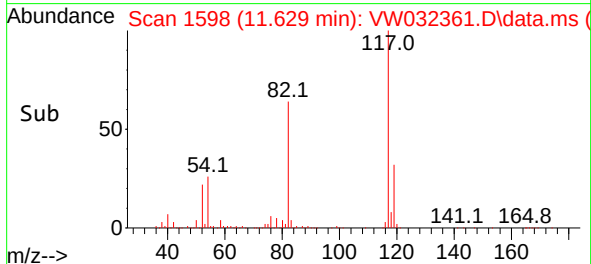


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

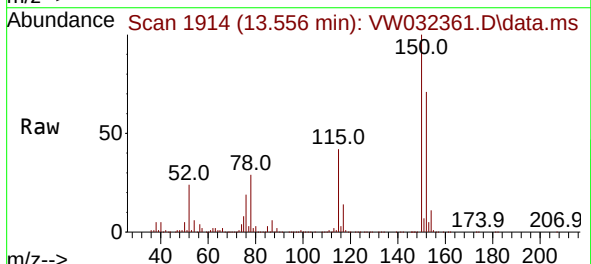
Instrument :
MSVOA_W
ClientSampleId :



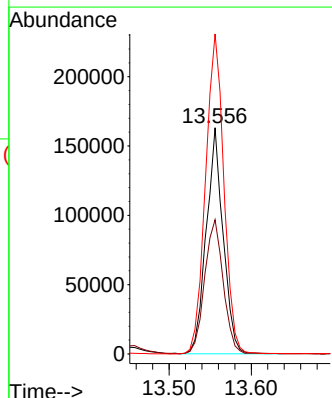
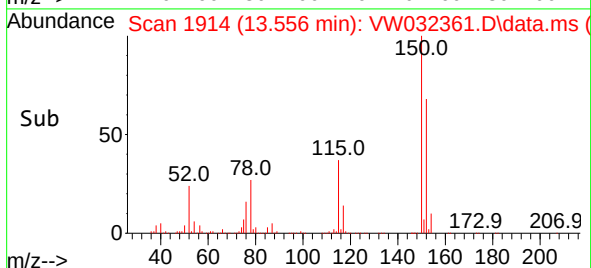
Tgt Ion:117 Resp: 430281
Ion Ratio Lower Upper
117 100
82 64.1 42.7 64.1#
119 32.3 25.2 37.8

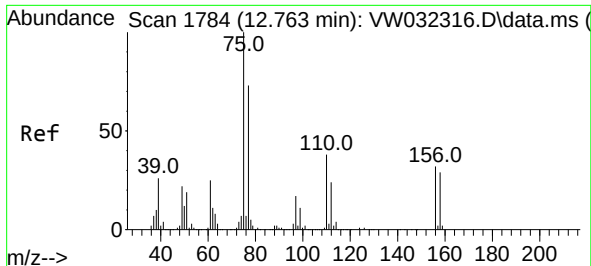


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54



Tgt Ion:152 Resp: 232916
Ion Ratio Lower Upper
152 100
115 65.1 31.8 95.4
150 153.9 0.0 343.0

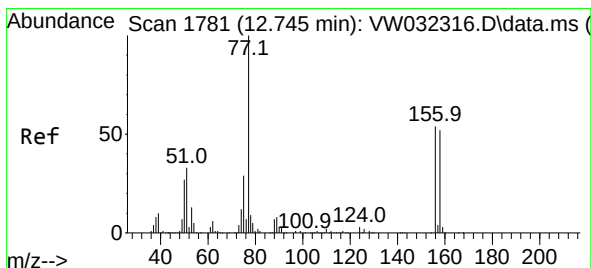
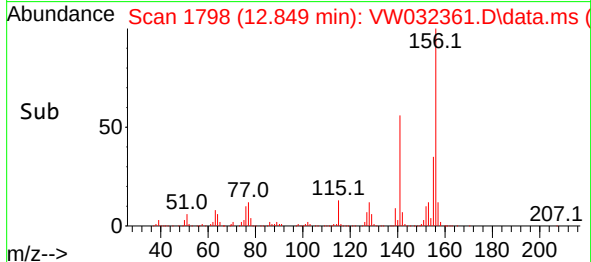
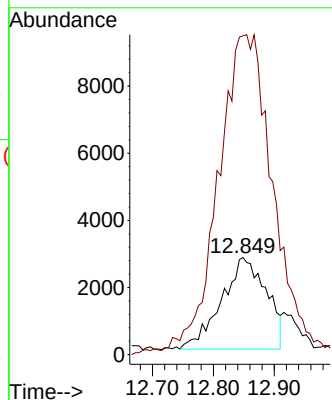
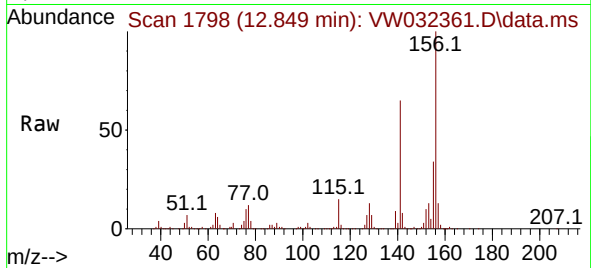




#76
1,2,3-Trichloropropane
Concen: 4.550 ug/l
RT: 12.849 min Scan# 1798
Delta R.T. 0.085 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

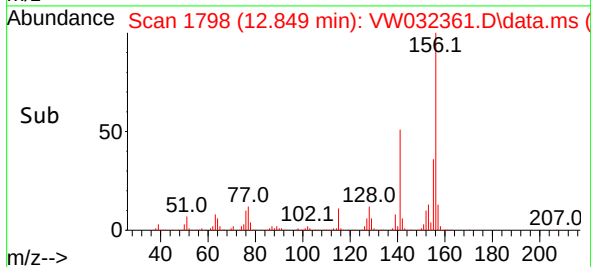
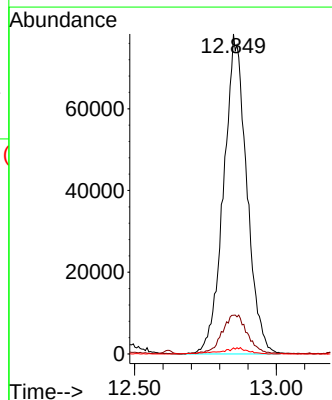
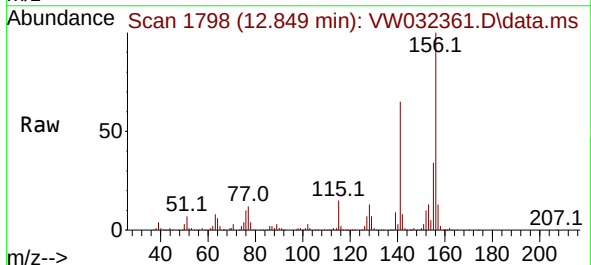
Instrument :
MSVOA_W
ClientSampleId :

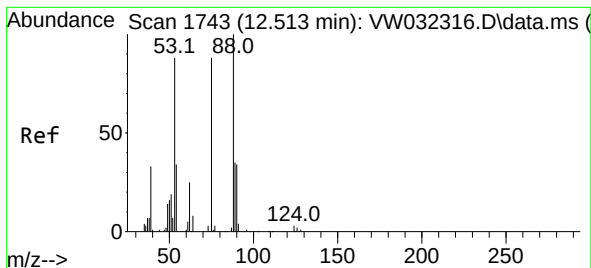
Tgt Ion: 75 Resp: 13946
Ion Ratio Lower Upper
75 100
77 431.6 141.7 425.1#



#77
Bromobenzene
Concen: 115.012 ug/l
RT: 12.849 min Scan# 1798
Delta R.T. 0.104 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

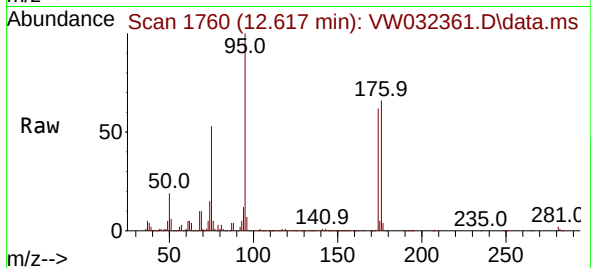
Tgt Ion:156 Resp: 441788
Ion Ratio Lower Upper
156 100
77 13.6 98.6 295.7#
158 0.0 48.4 145.0#



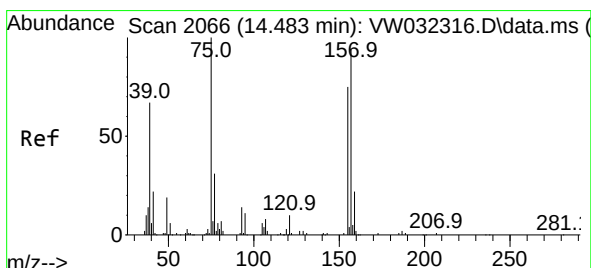
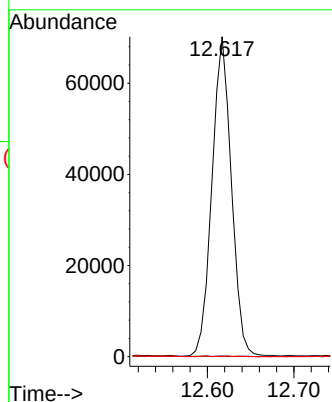
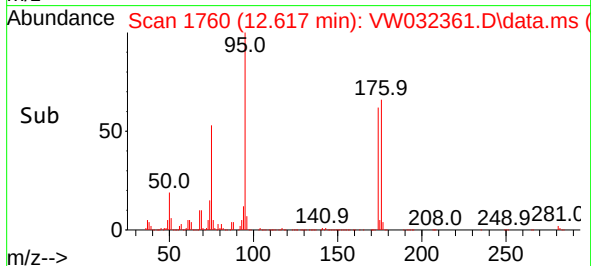


#81
trans-1,4-Dichloro-2-butene
Concen: 90.274 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54

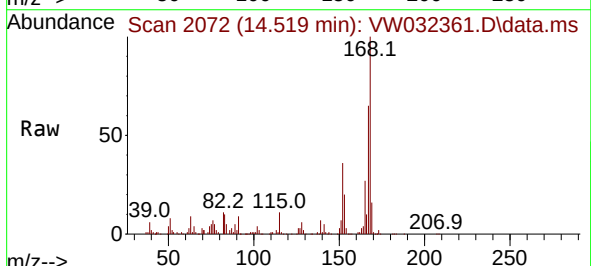
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 109224
Ion Ratio Lower Upper
75 100
53 0.1 91.0 136.6#
89 0.1 39.4 59.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 7.602 ug/l
RT: 14.519 min Scan# 2072
Delta R.T. 0.037 min
Lab File: VW032361.D
Acq: 06 Oct 2025 15:54



Tgt Ion: 75 Resp: 5266
Ion Ratio Lower Upper
75 100
155 0.0 40.8 122.5#
157 0.0 51.8 155.4#

