

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031873.D
 Acq On : 16 Jul 2025 13:13
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 17 04:03:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	200112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	402279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	381390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	187330	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132007	45.966	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	91.940%
35) Dibromofluoromethane	7.904	113	117036	44.584	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	89.160%
50) Toluene-d8	10.331	98	445525	45.607	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.617	95	177553	49.390	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.780%

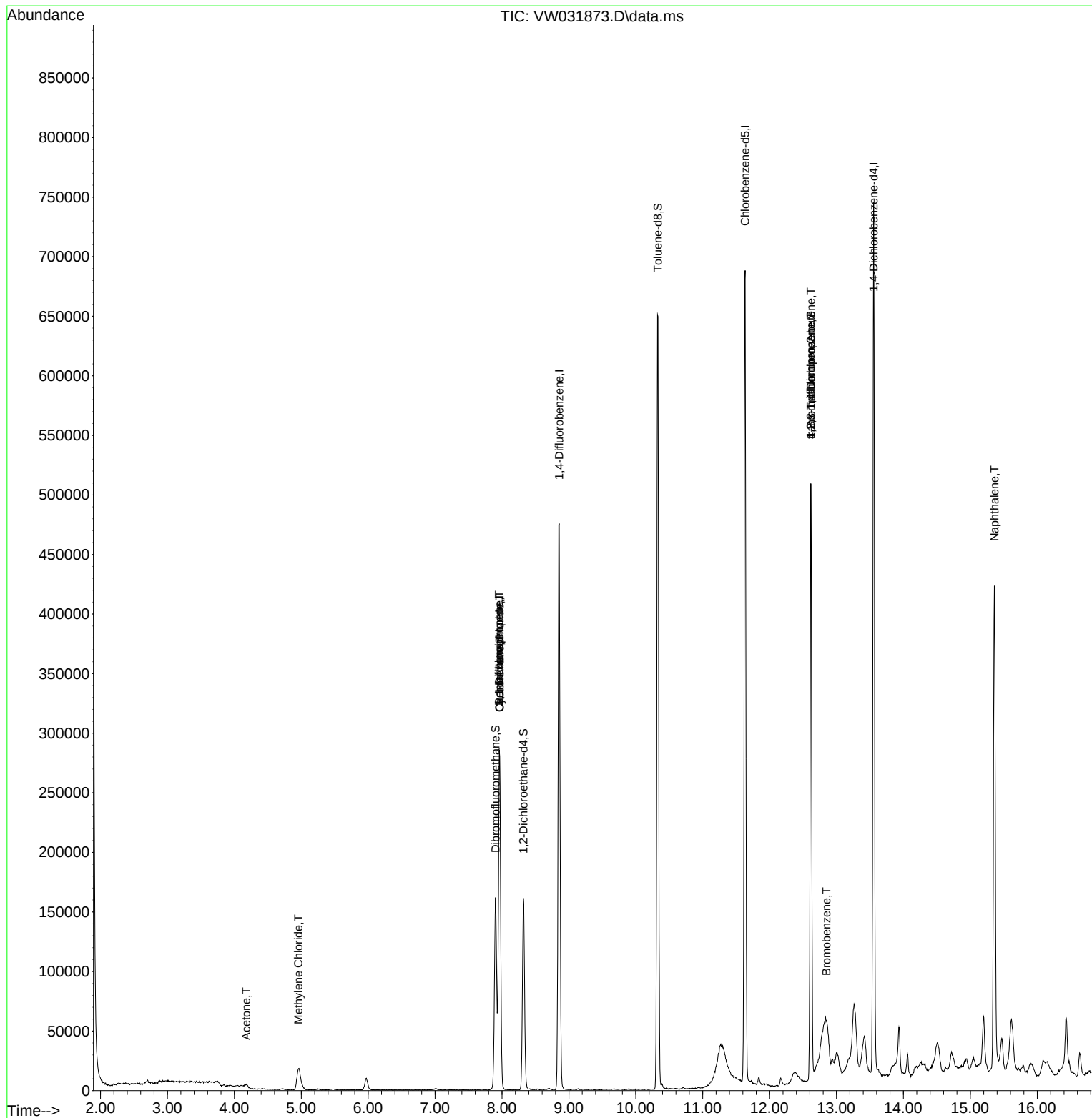
Target Compounds						Qvalue
16) Acetone	4.179	43	2880	4.057	ug/l	97
20) Methylene Chloride	4.960	84	18265	2.251	ug/l	90
31) Cyclohexane	7.965	56	4838	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18472	4.863	ug/l #	51
38) Carbon Tetrachloride	7.965	117	22972	5.935	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	92947	38.395	ug/l #	1
77) Bromobenzene	12.849	156	57818	18.193	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	92947	89.427	ug/l #	8
95) Naphthalene	15.360	128	365536	41.502	ug/l	99

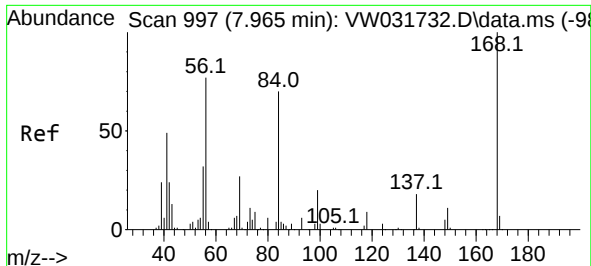
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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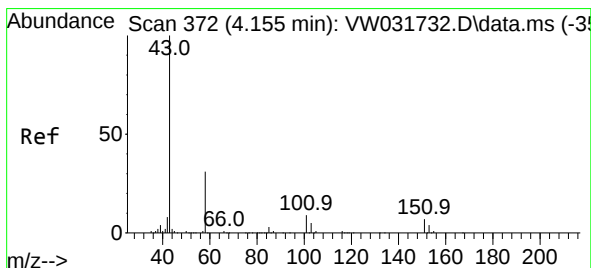
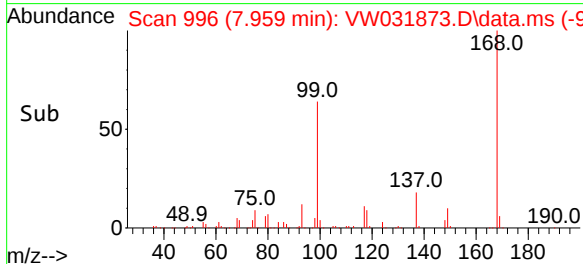
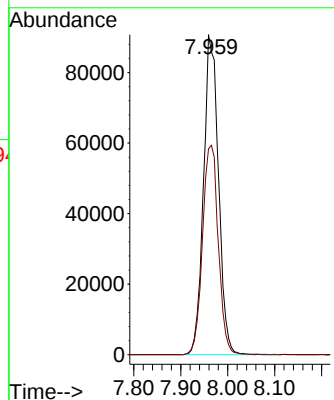
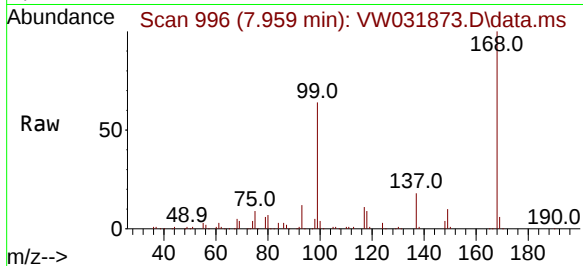




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

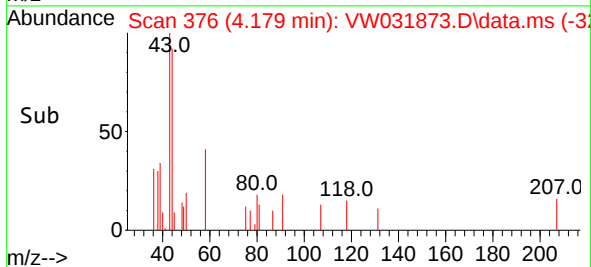
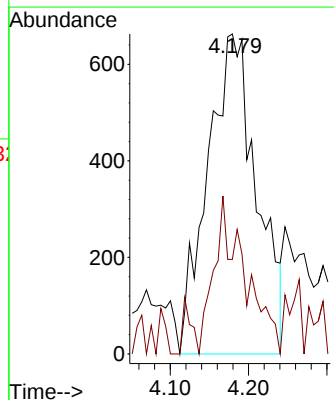
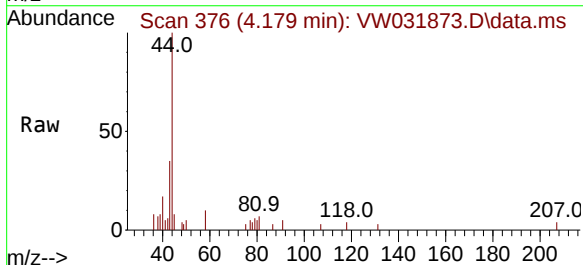
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

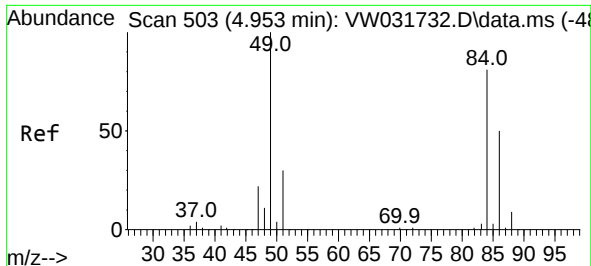
Tgt Ion:168 Resp: 200112
Ion Ratio Lower Upper
168 100
99 64.4 49.4 74.2



#16
Acetone
Concen: 4.057 ug/l
RT: 4.179 min Scan# 376
Delta R.T. 0.025 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
58 29.6 24.8 37.2

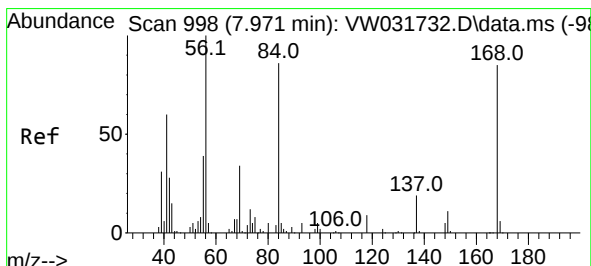
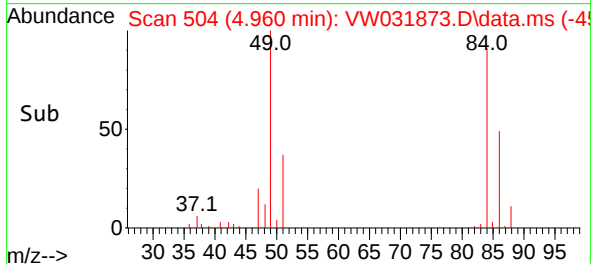
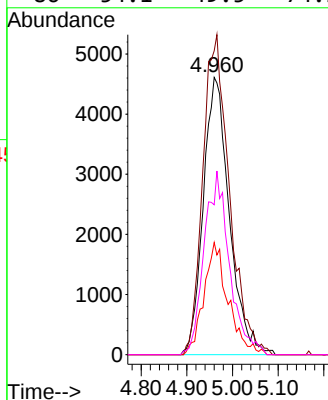
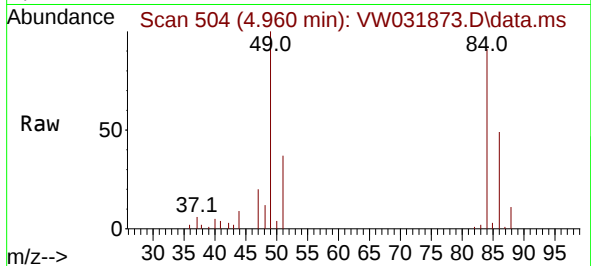




#20
Methylene Chloride
Concen: 2.251 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

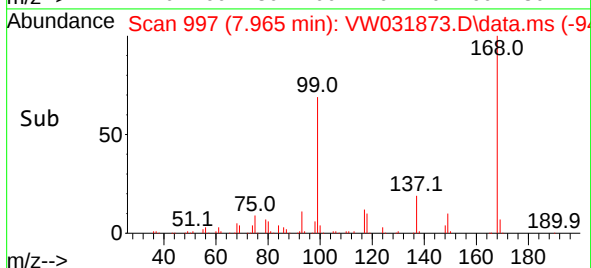
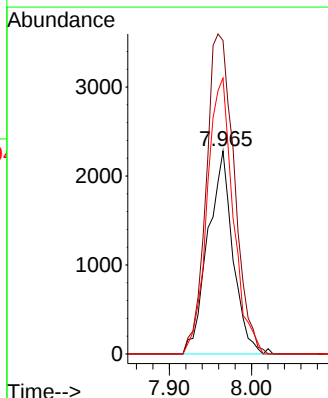
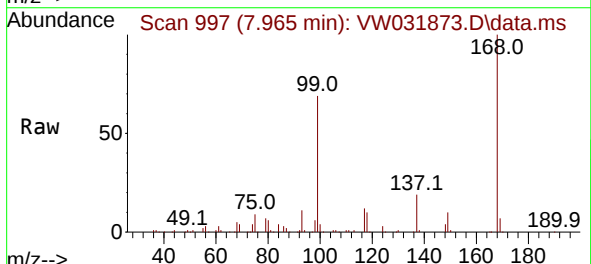
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

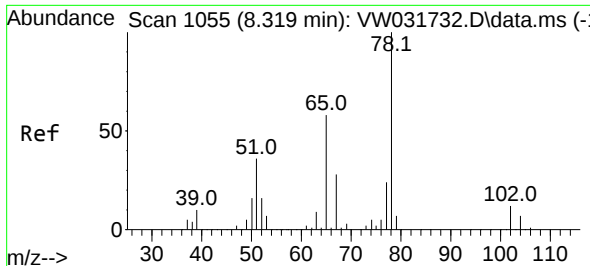
Tgt Ion:	84	Resp:	18265
Ion	Ratio	Lower	Upper
84	100		
49	109.6	98.2	147.4
51	40.5	29.8	44.8
86	54.1	49.5	74.3



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Tgt Ion:	56	Resp:	4838
Ion	Ratio	Lower	Upper
56	100		
69	154.4	27.2	40.8#
84	135.9	68.5	102.7#

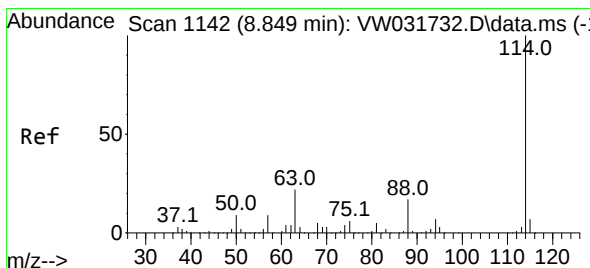
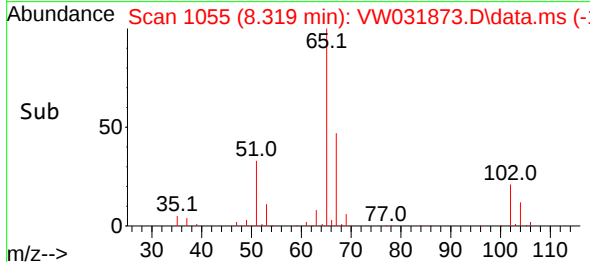
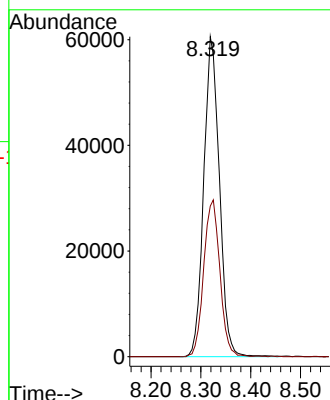
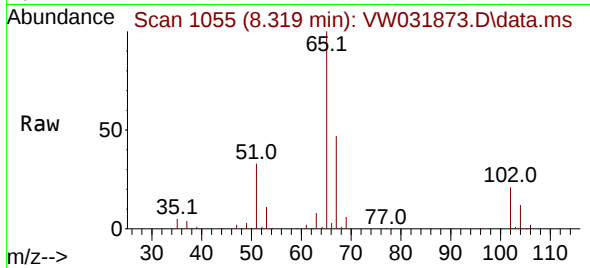




#33
 1,2-Dichloroethane-d4
 Concen: 45.966 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031873.D
 Acq: 16 Jul 2025 13:13

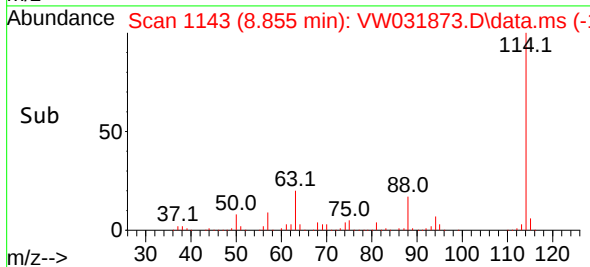
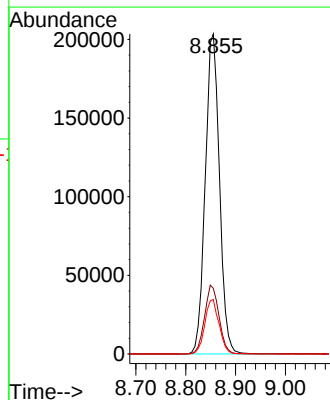
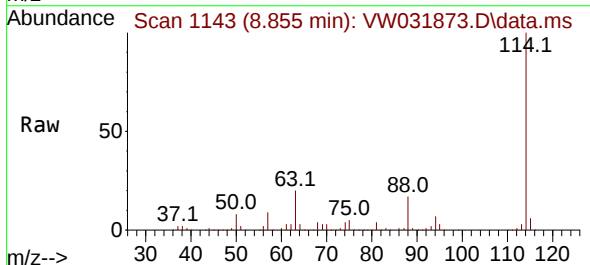
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

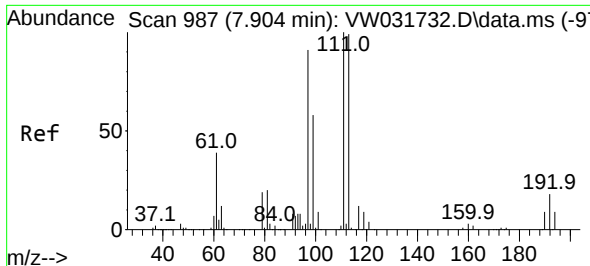
Tgt Ion: 65 Resp: 132007
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031873.D
 Acq: 16 Jul 2025 13:13

Tgt Ion: 114 Resp: 402279
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.6
 88 17.0 0.0 34.2

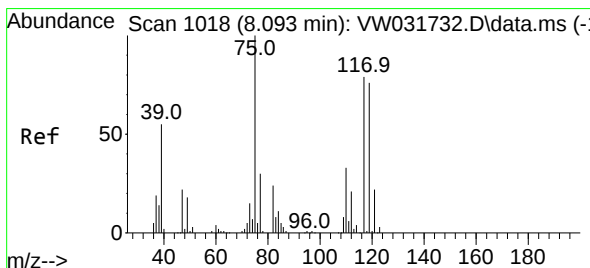
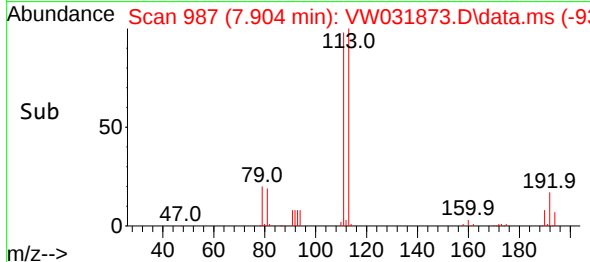
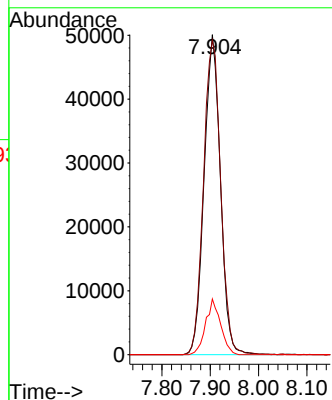
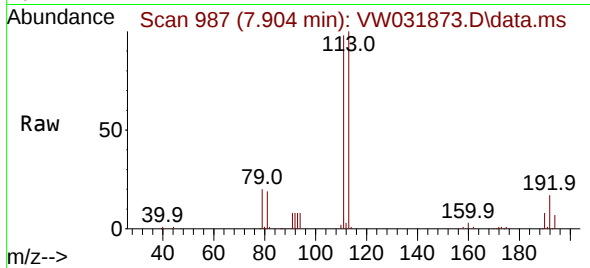




#35
Dibromofluoromethane
Concen: 44.584 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

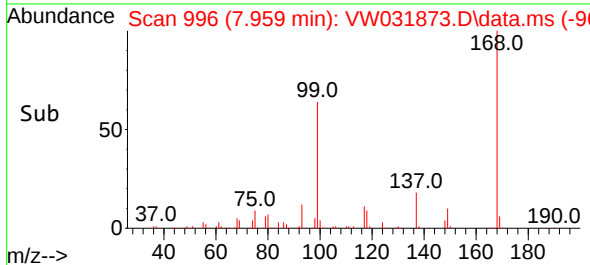
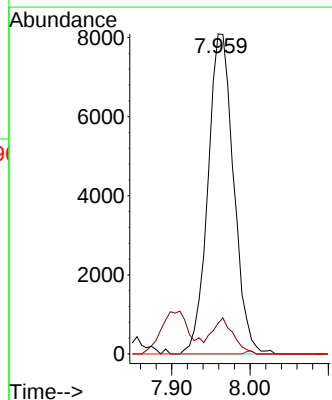
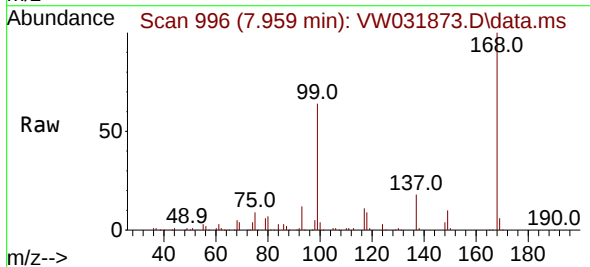
Instrument :
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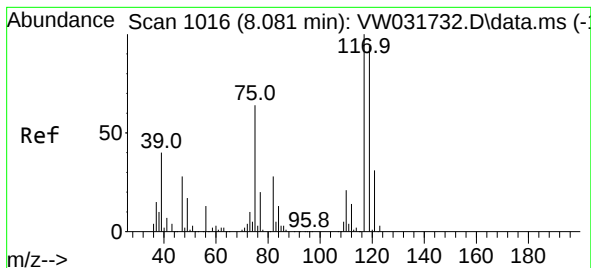
Tgt Ion:113 Resp: 117036
Ion Ratio Lower Upper
113 100
111 103.9 82.1 123.1
192 16.0 13.8 20.6



#36
1,1-Dichloropropene
Concen: 4.863 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Tgt Ion: 75 Resp: 18472
Ion Ratio Lower Upper
75 100
110 9.2 16.8 50.4#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.935 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW031873.D

Acq: 16 Jul 2025 13:13

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

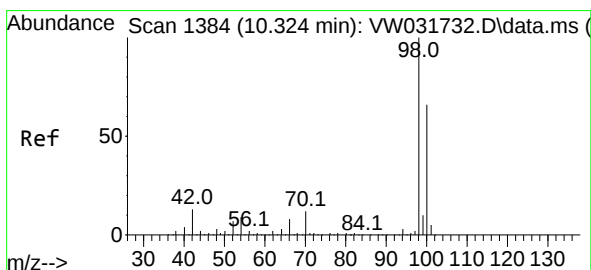
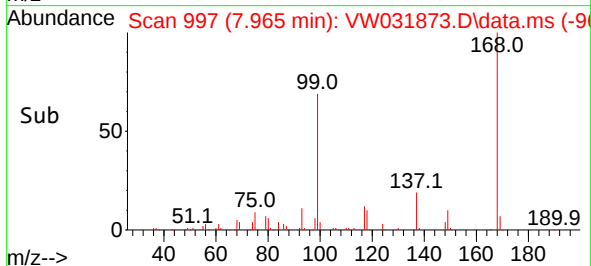
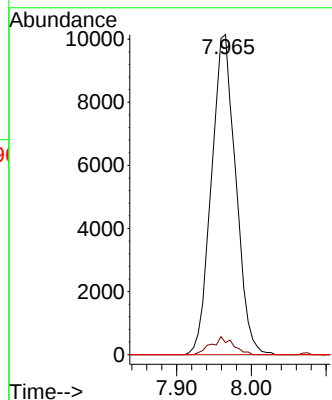
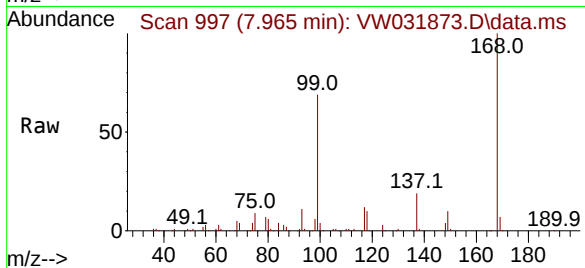
Tgt Ion:117 Resp: 22972

Ion Ratio Lower Upper

117 100

119 3.8 75.0 112.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 45.607 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031873.D

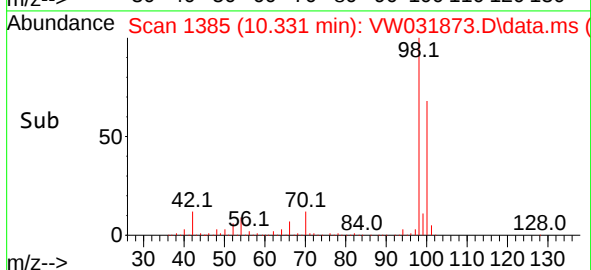
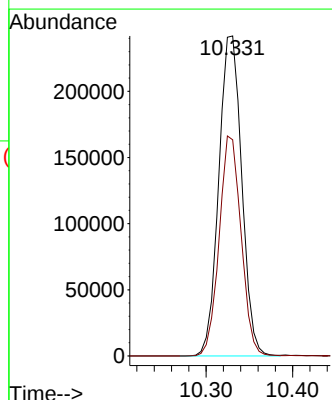
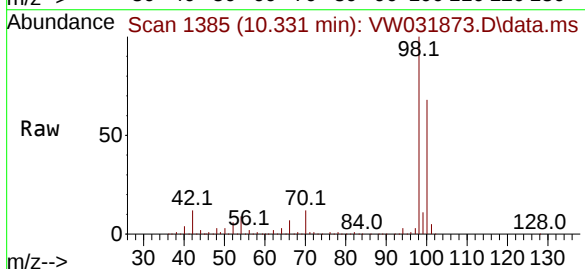
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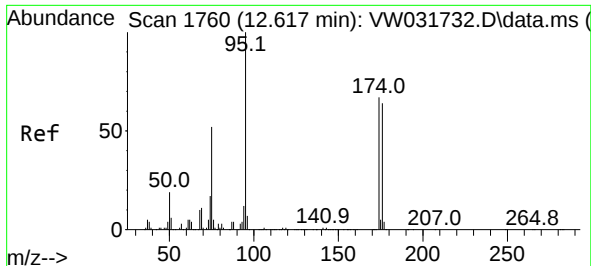
Tgt Ion: 98 Resp: 445525

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4

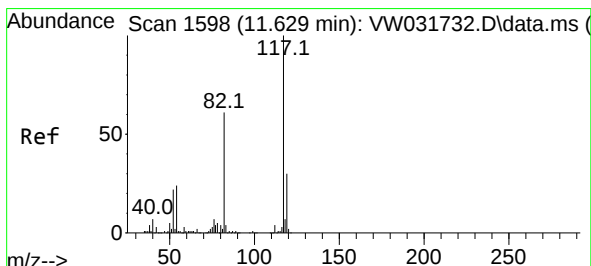
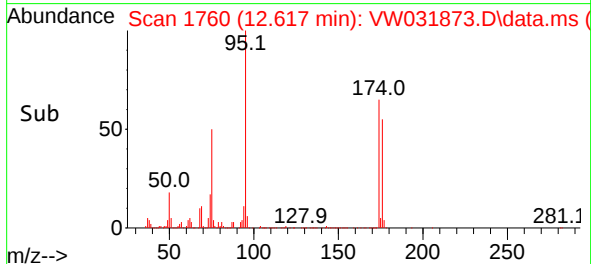
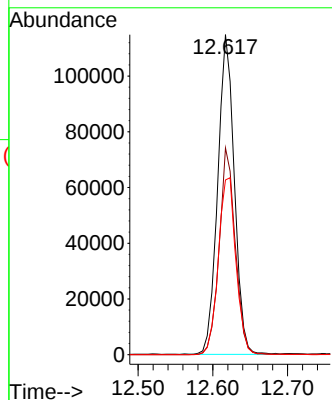
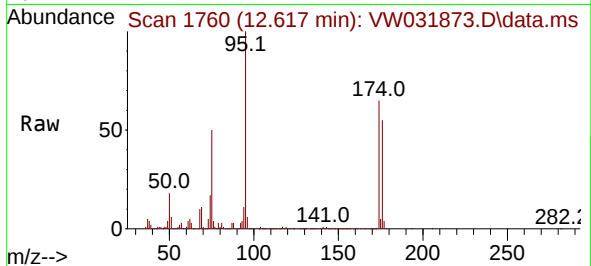




#62
4-Bromofluorobenzene
Concen: 49.390 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

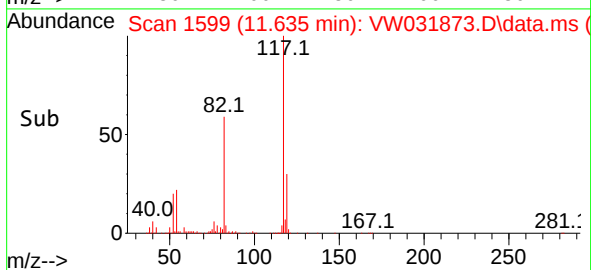
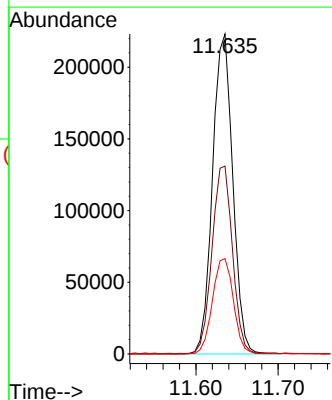
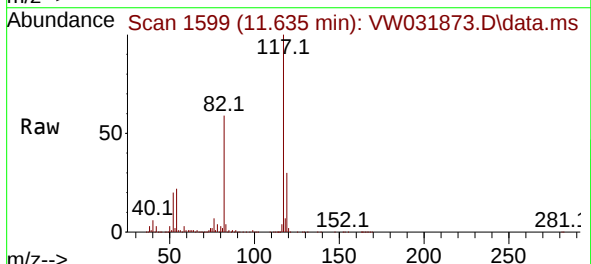
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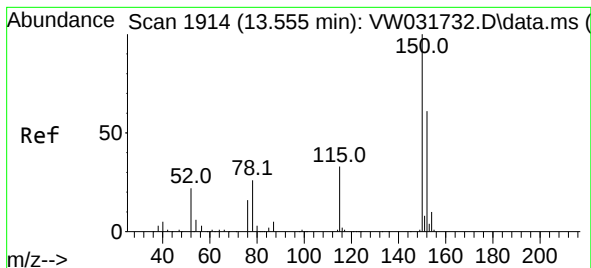
Tgt Ion: 95 Resp: 177553
Ion Ratio Lower Upper
95 100
174 62.7 0.0 133.8
176 58.9 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Tgt Ion: 117 Resp: 381390
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 29.8 23.9 35.9

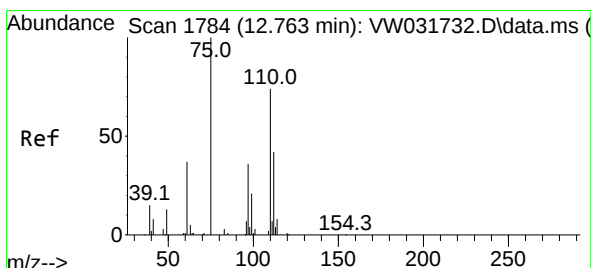
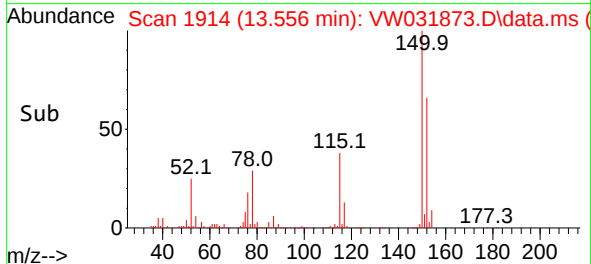
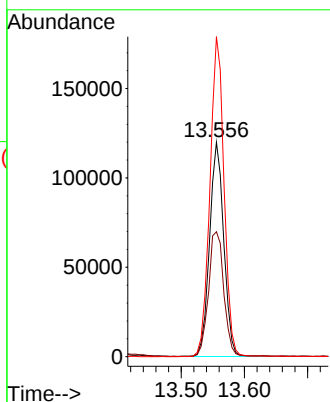
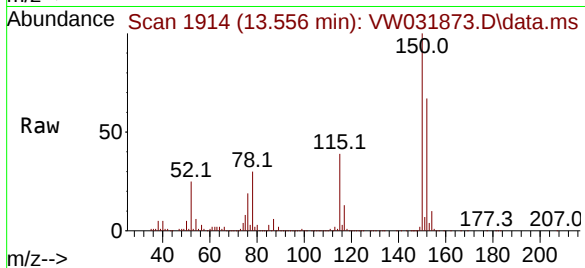




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

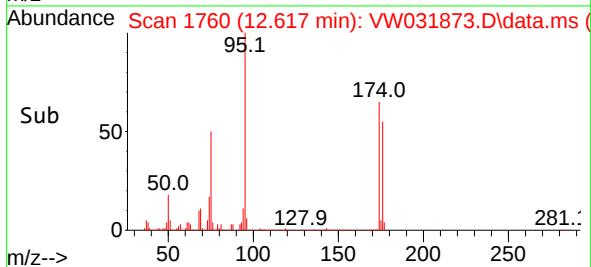
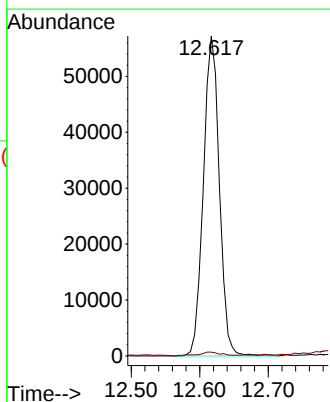
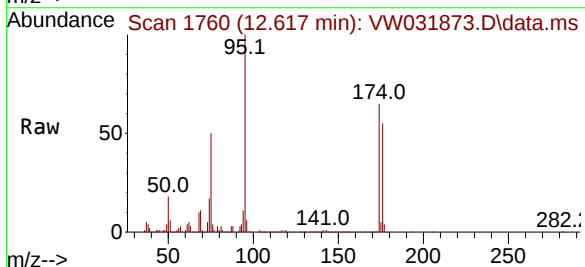
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

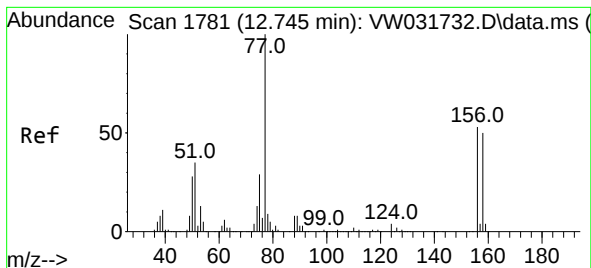
Tgt Ion:152 Resp: 187330
Ion Ratio Lower Upper
152 100
115 62.3 31.9 95.7
150 148.1 0.0 356.4



#76
1,2,3-Trichloropropane
Concen: 38.395 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Tgt Ion: 75 Resp: 92947
Ion Ratio Lower Upper
75 100
77 1.8 141.2 423.6#





#77

Bromobenzene

Concen: 18.193 ug/l

RT: 12.849 min Scan# 1

Delta R.T. 0.104 min

Lab File: VW031873.D

Acq: 16 Jul 2025 13:13

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

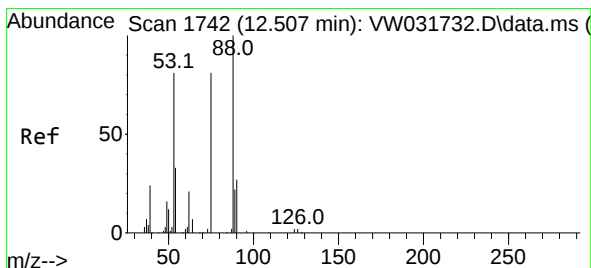
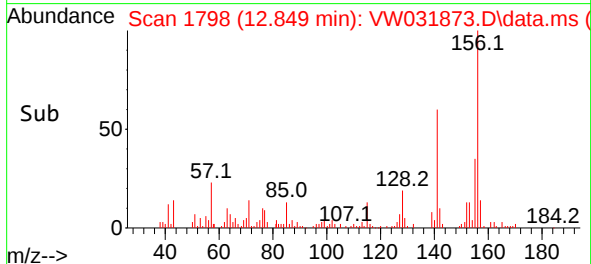
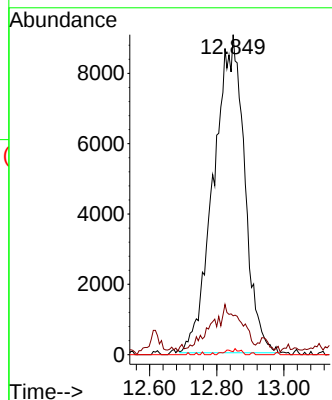
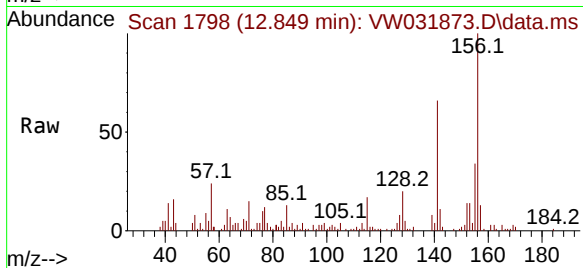
Tgt Ion:156 Resp: 57818

Ion Ratio Lower Upper

156 100

77 0.0 117.9 353.7#

158 0.4 52.6 157.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.427 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.110 min

Lab File: VW031873.D

Acq: 16 Jul 2025 13:13

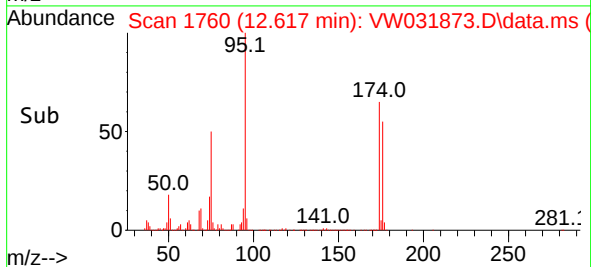
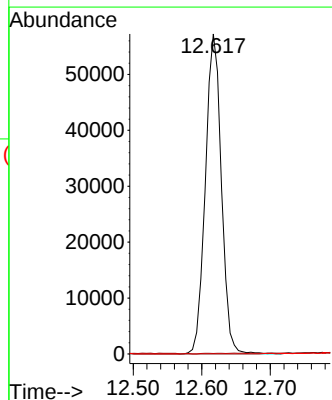
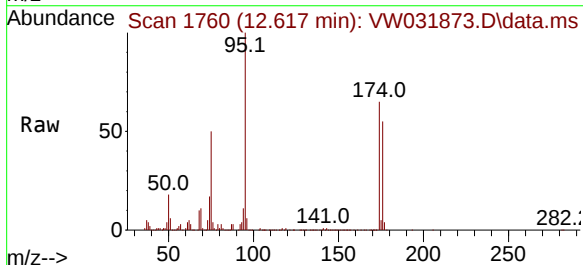
Tgt Ion: 75 Resp: 92947

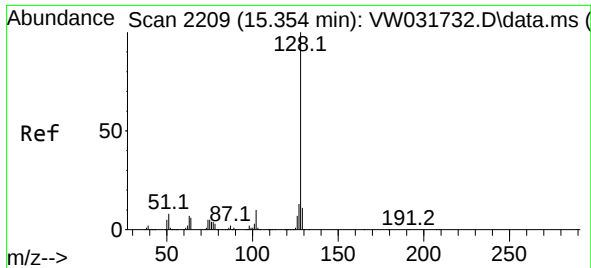
Ion Ratio Lower Upper

75 100

53 0.2 83.5 125.3#

89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 41.502 ug/l
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW031873.D
Acq: 16 Jul 2025 13:13

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 365536
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.8 8.7 13.1

