

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071725\
 Data File : VW031887.D
 Acq On : 17 Jul 2025 14:14
 Operator : SY/MD
 Sample : Q2635-01RE
 Misc : 5.05g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 18 02:52:52 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)

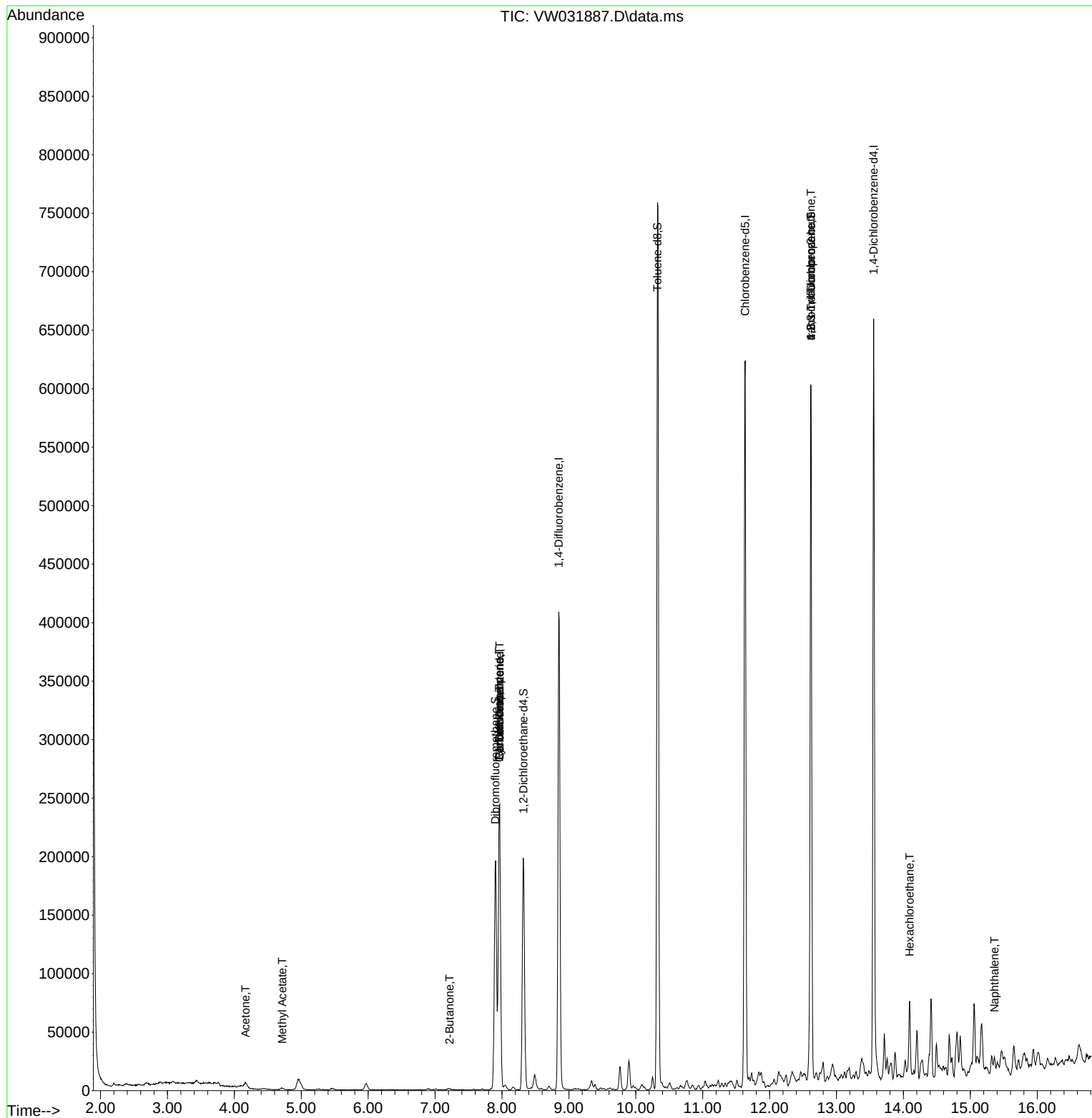
Internal Standards						
1) Pentafluorobenzene	7.965	168	168506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	350544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	340987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	155740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163957	67.800	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 135.600%		
35) Dibromofluoromethane	7.898	113	142392	62.249	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 124.500%		
50) Toluene-d8	10.325	98	510162	59.931	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 119.860%		
62) 4-Bromofluorobenzene	12.617	95	211390	67.480	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 134.960%		
Target Compounds						
					Qvalue	
16) Acetone	4.167	43	6153	10.294	ug/l #	82
18) Methyl Acetate	4.716	43	3345	1.958	ug/l #	89
20) Methylene Chloride	4.954	84	8234	Below Cal		94
25) 2-Butanone	7.215	43	1718	2.209	ug/l #	81
31) Cyclohexane	7.959	56	5017	1.457	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	15601	4.713	ug/l #	51
38) Carbon Tetrachloride	7.965	117	19890	5.897	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	110542	54.925	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	110542	127.929	ug/l #	8
90) Hexachloroethane	14.092	117	3266	1.742	ug/l #	19
95) Naphthalene	15.360	128	13474	1.840	ug/l #	93

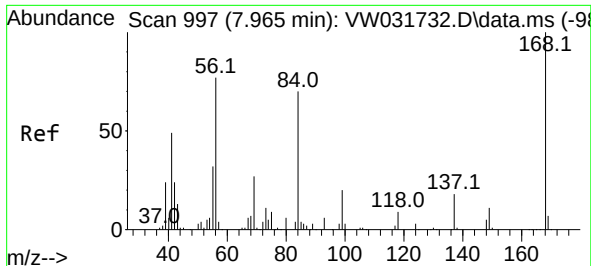
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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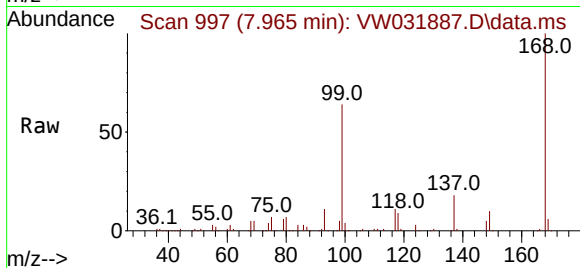
Quant Time: Jul 18 02:52:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



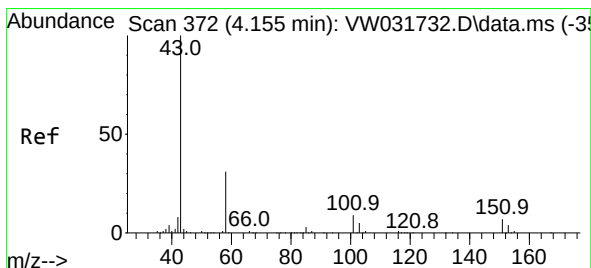
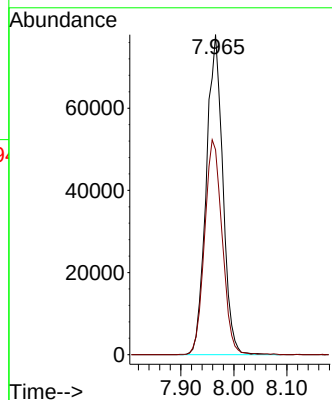
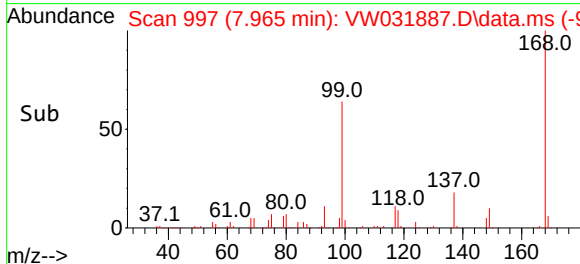


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

Instrument :
MSVOA_W
ClientSampleId :

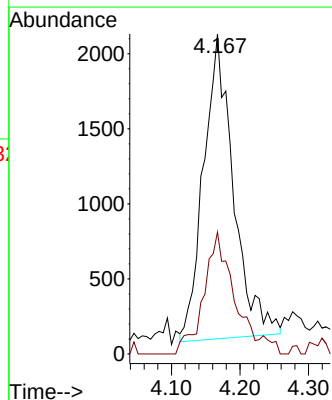
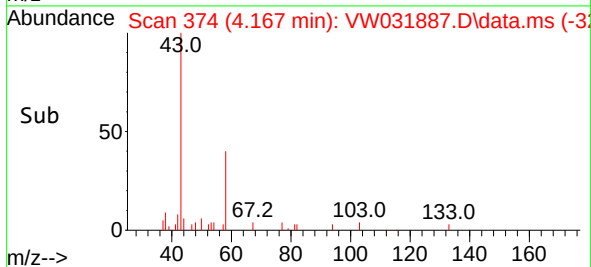
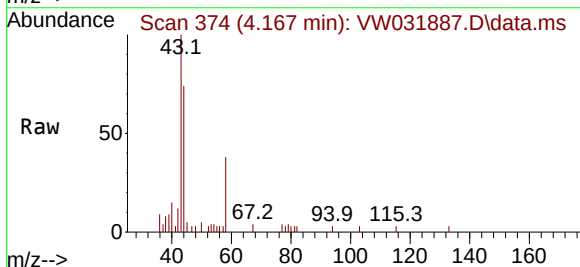


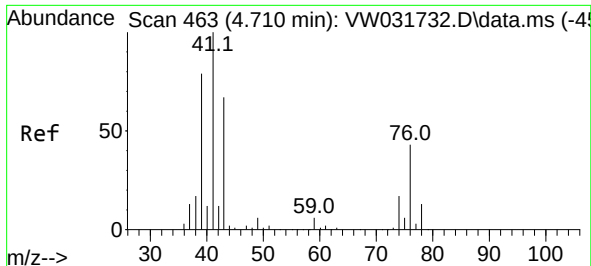
Tgt Ion:168 Resp: 168506
Ion Ratio Lower Upper
168 100
99 64.1 49.4 74.2



#16
Acetone
Concen: 10.294 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

Tgt Ion: 43 Resp: 6153
Ion Ratio Lower Upper
43 100
58 40.6 24.8 37.2#

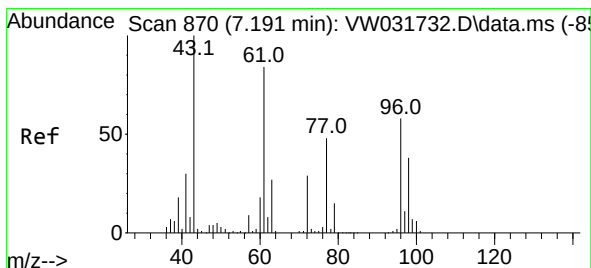
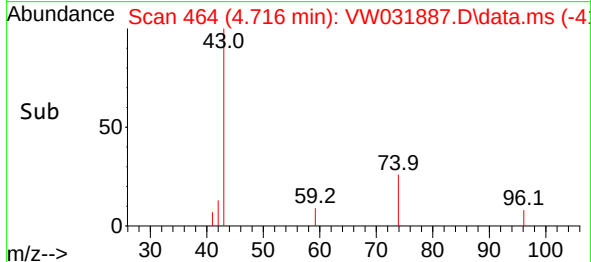
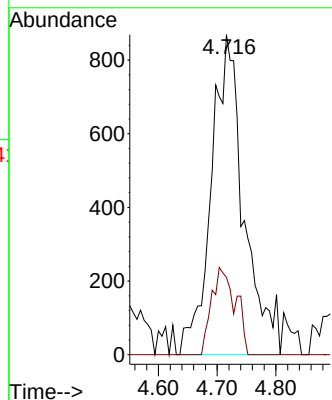
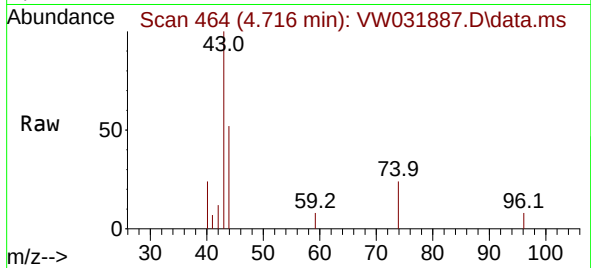




#18
Methyl Acetate
Concen: 1.958 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

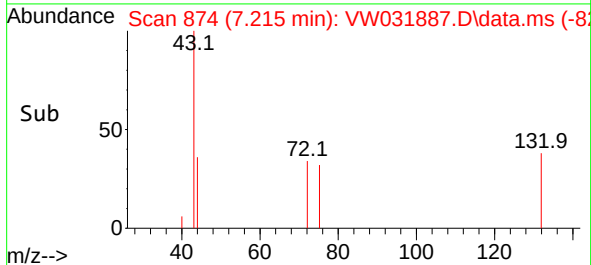
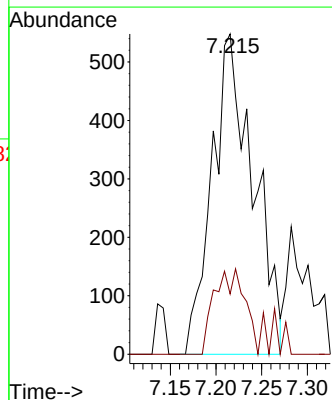
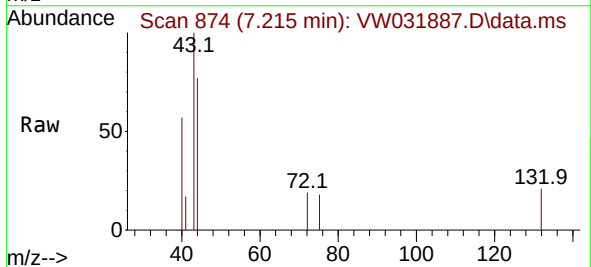
Instrument :
MSVOA_W
ClientSampleId :

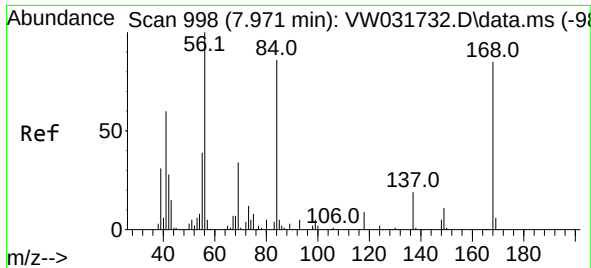
Tgt Ion: 43 Resp: 3345
Ion Ratio Lower Upper
43 100
74 20.0 20.6 30.8#



#25
2-Butanone
Concen: 2.209 ug/l
RT: 7.215 min Scan# 874
Delta R.T. 0.025 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

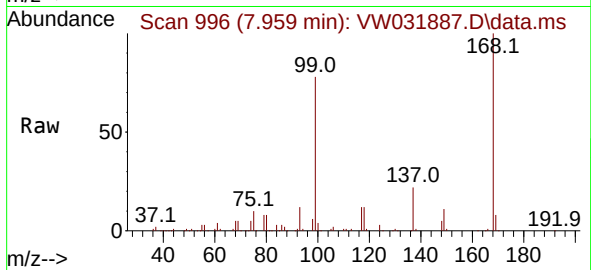
Tgt Ion: 43 Resp: 1718
Ion Ratio Lower Upper
43 100
72 18.8 23.0 34.6#



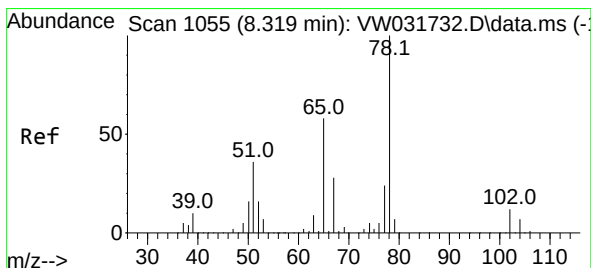
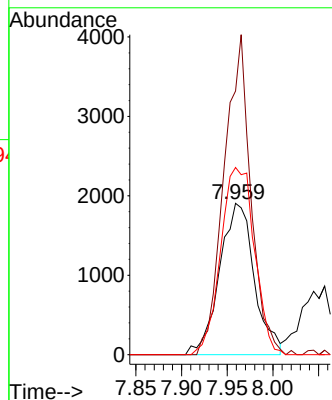
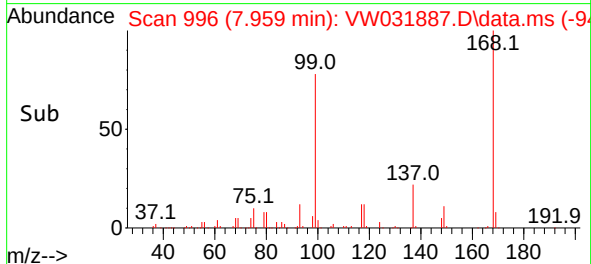


#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

Instrument :
MSVOA_W
ClientSampleId :

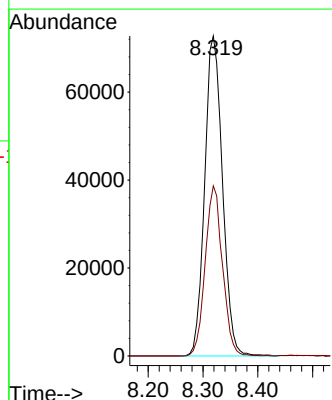
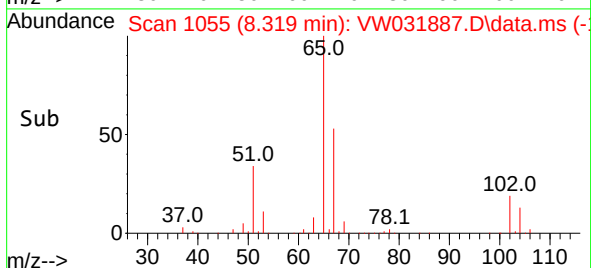
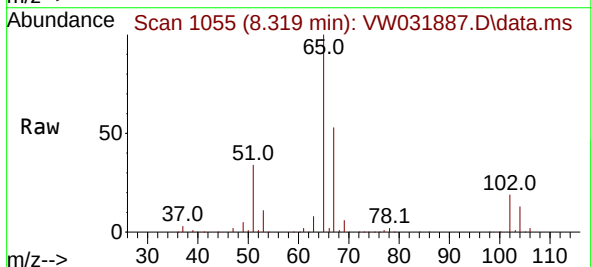


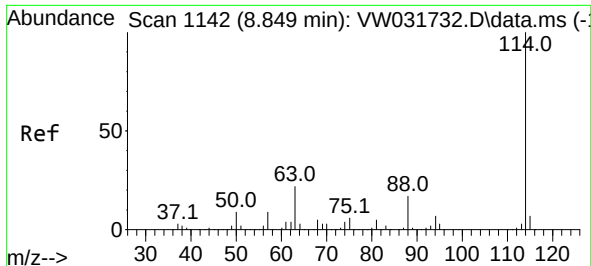
Tgt Ion: 56 Resp: 5017
Ion Ratio Lower Upper
56 100
69 174.3 27.2 40.8#
84 123.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 67.800 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

Tgt Ion: 65 Resp: 163957
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031887.D

Acq: 17 Jul 2025 14:14

Instrument :

MSVOA_W

ClientSampleId :

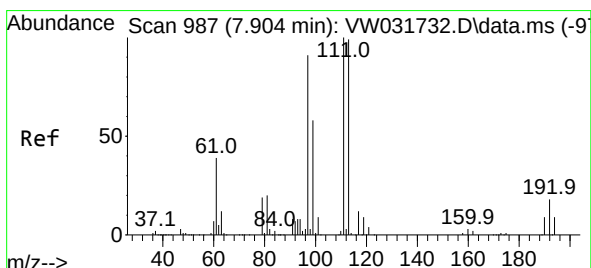
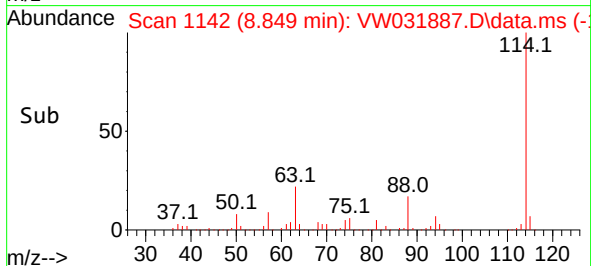
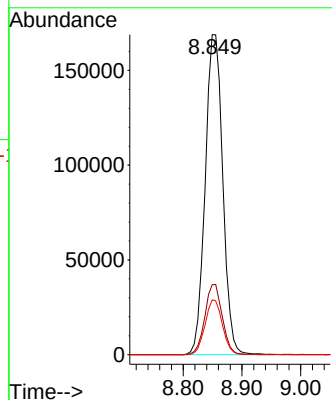
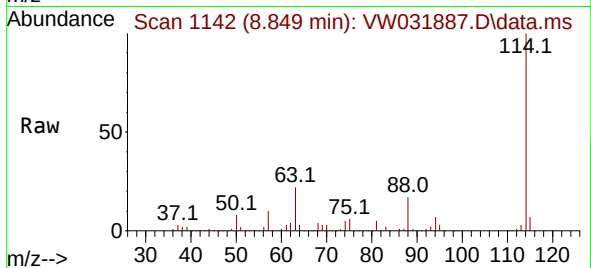
Tgt Ion:114 Resp: 350544

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.6

88 17.2 0.0 34.2



#35

Dibromofluoromethane

Concen: 62.249 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031887.D

Acq: 17 Jul 2025 14:14

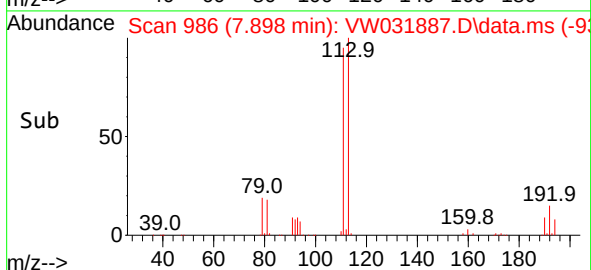
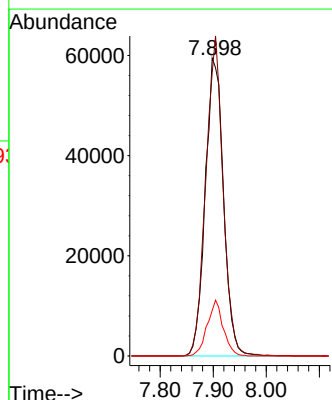
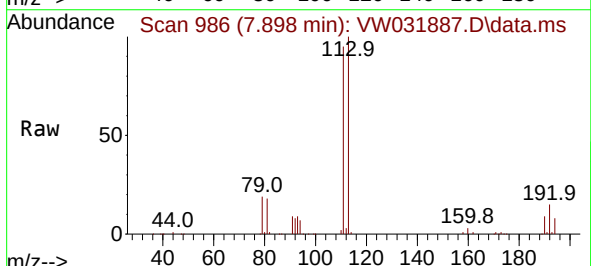
Tgt Ion:113 Resp: 142392

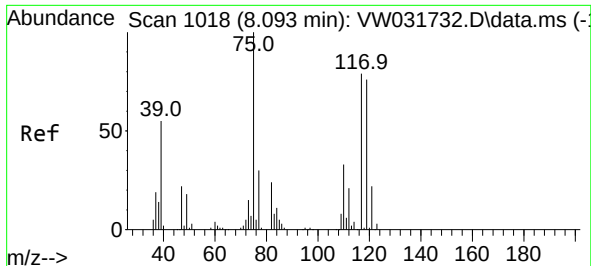
Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

192 16.4 13.8 20.6

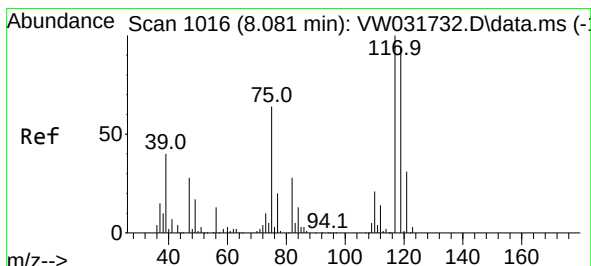
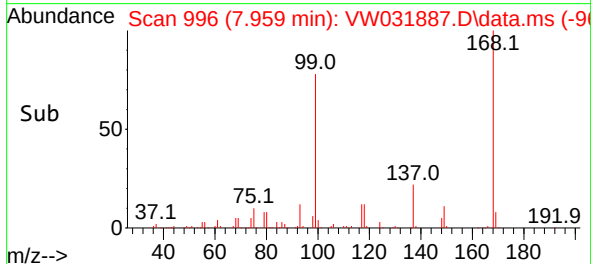
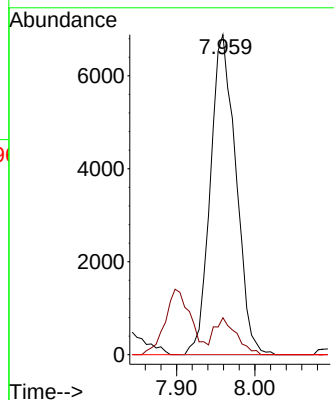
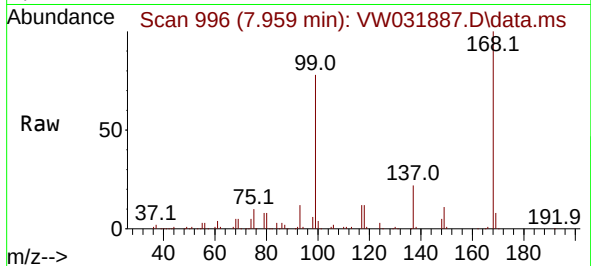




#36
 1,1-Dichloropropene
 Concen: 4.713 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031887.D
 Acq: 17 Jul 2025 14:14

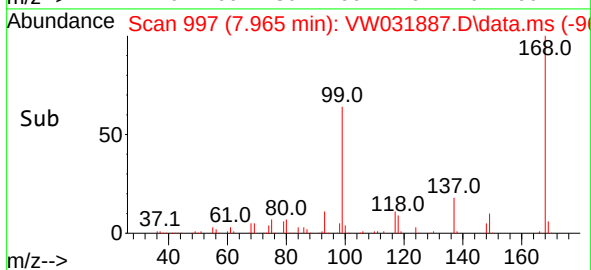
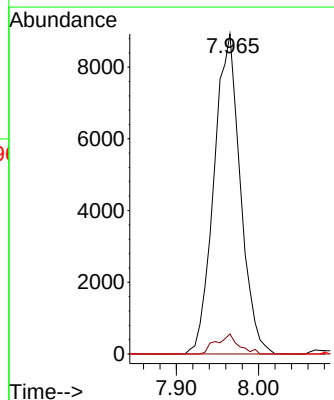
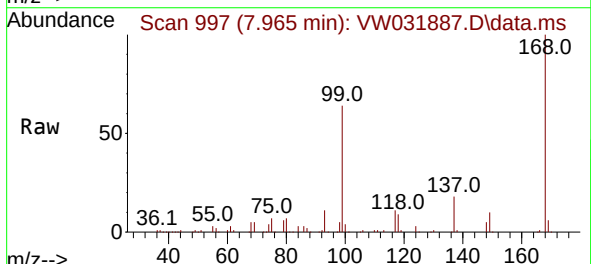
Instrument :
 MSVOA_W
 ClientSampleId :

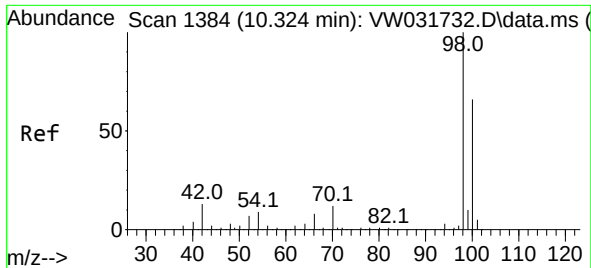
Tgt Ion: 75 Resp: 15601
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.897 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW031887.D
 Acq: 17 Jul 2025 14:14

Tgt Ion: 117 Resp: 19890
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.0 112.6#
 121 0.0 24.6 37.0#

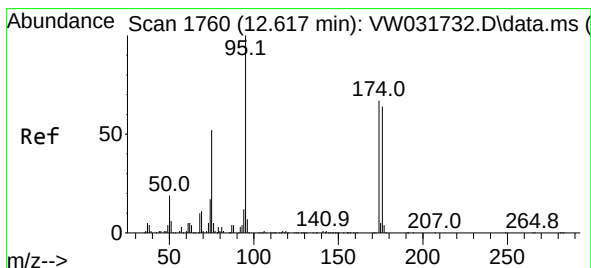
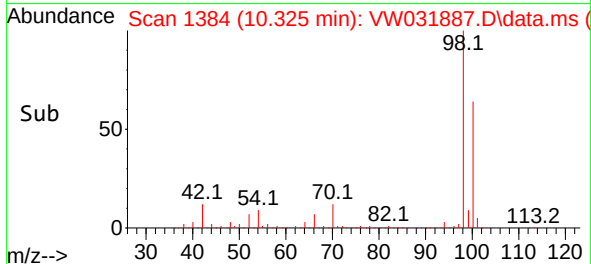
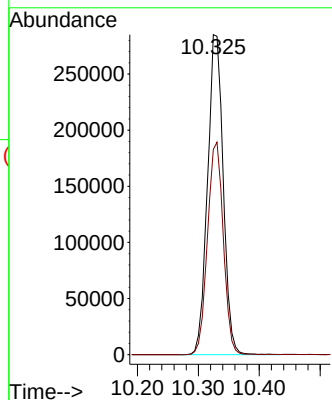
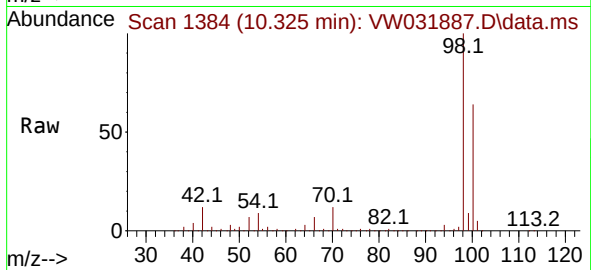




#50
Toluene-d8
Concen: 59.931 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

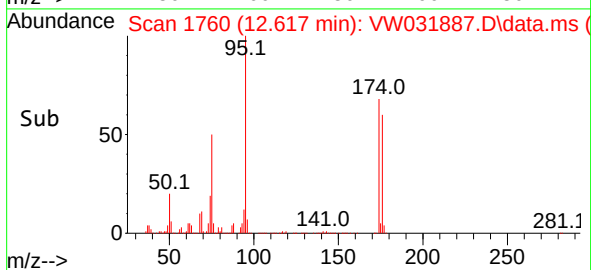
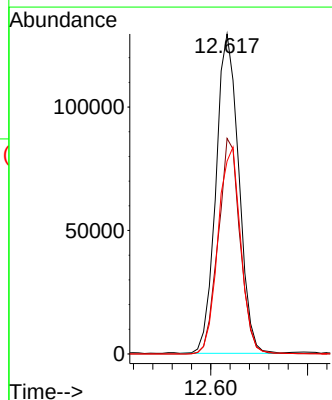
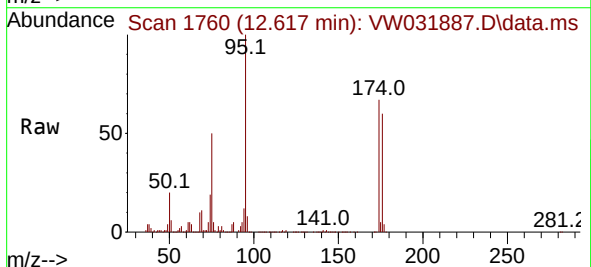
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MSVOA_W
ClientSampleId :

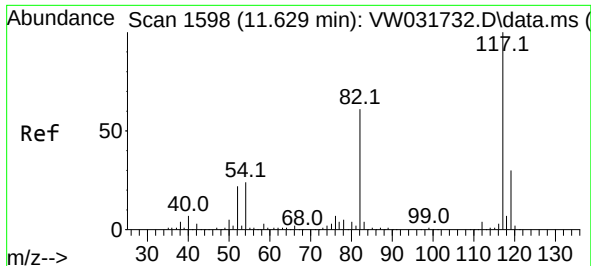
Tgt Ion: 98 Resp: 510162
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 67.480 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

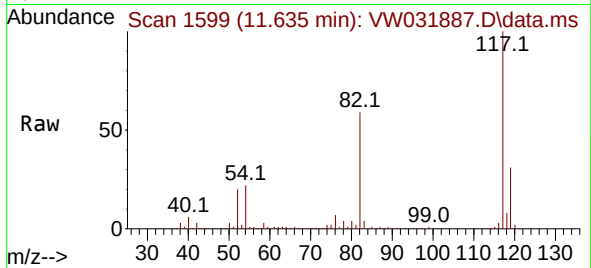
Tgt Ion: 95 Resp: 211390
Ion Ratio Lower Upper
95 100
174 64.9 0.0 133.8
176 64.5 0.0 126.0



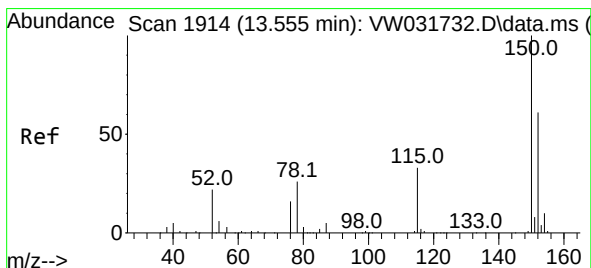
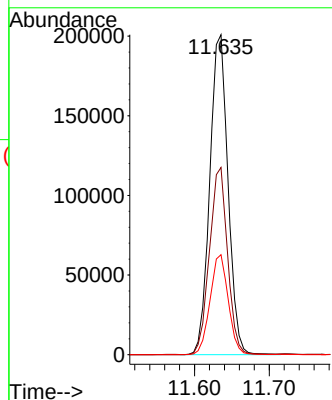
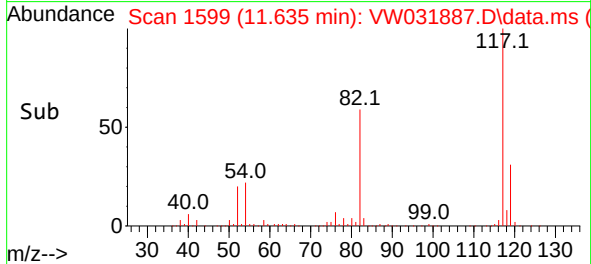


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

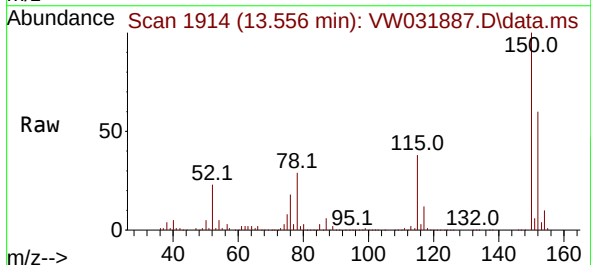
Instrument :
MSVOA_W
ClientSampleId :



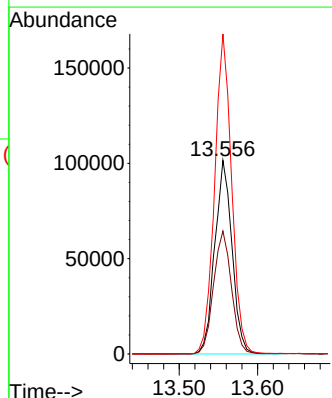
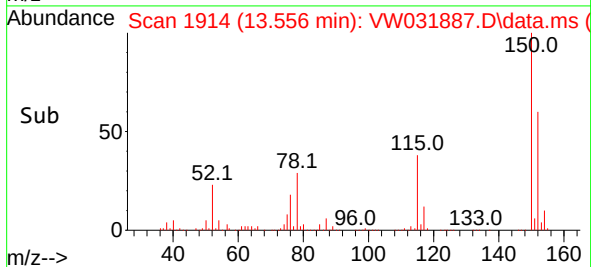
Tgt Ion:117 Resp: 340987
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 31.2 23.9 35.9

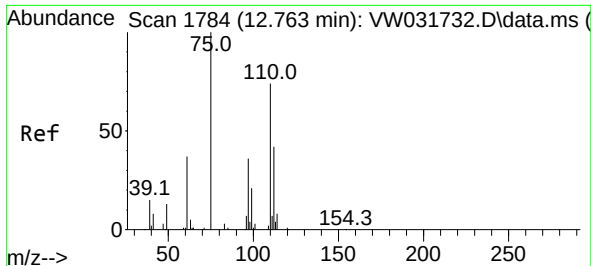


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14



Tgt Ion:152 Resp: 155740
Ion Ratio Lower Upper
152 100
115 65.8 31.9 95.7
150 163.1 0.0 356.4

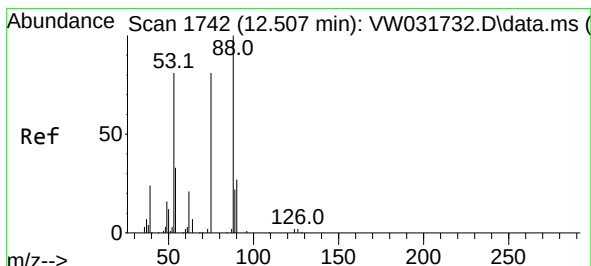
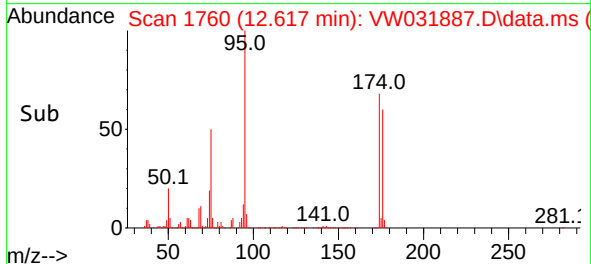
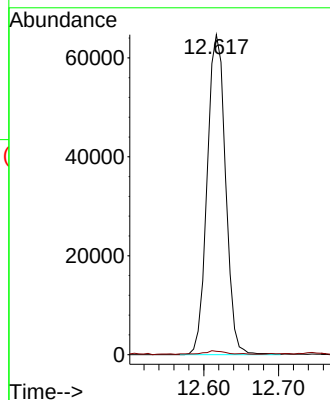
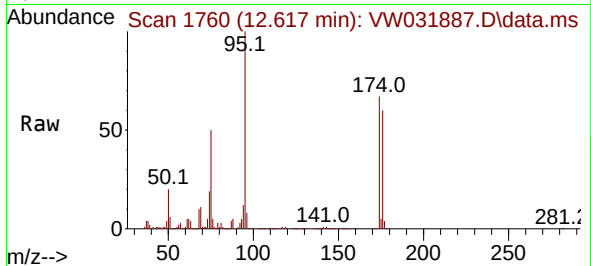




#76
1,2,3-Trichloropropane
Concen: 54.925 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

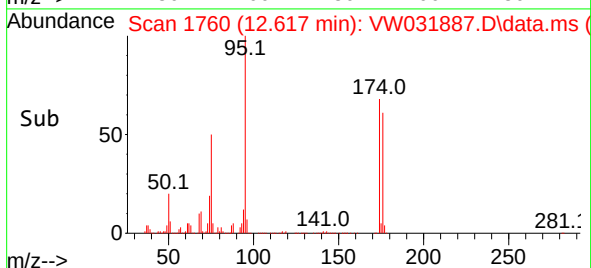
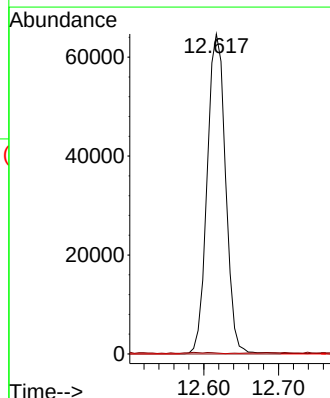
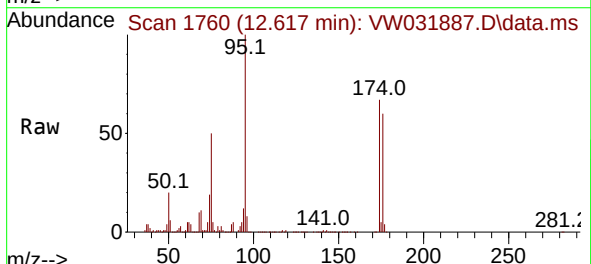
Instrument :
MSVOA_W
ClientSampleId :

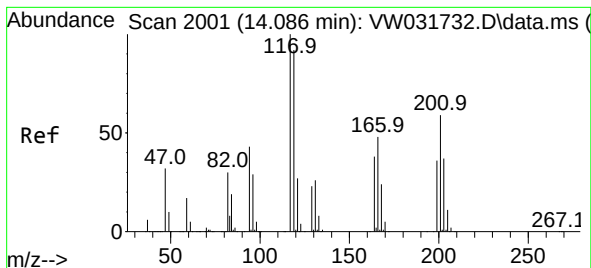
Tgt Ion: 75 Resp: 110542
Ion Ratio Lower Upper
75 100
77 1.2 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.929 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031887.D
Acq: 17 Jul 2025 14:14

Tgt Ion: 75 Resp: 110542
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.3 57.5#





#90

Hexachloroethane

Concen: 1.742 ug/l

RT: 14.092 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VW031887.D

Acq: 17 Jul 2025 14:14

Instrument :

MSVOA_W

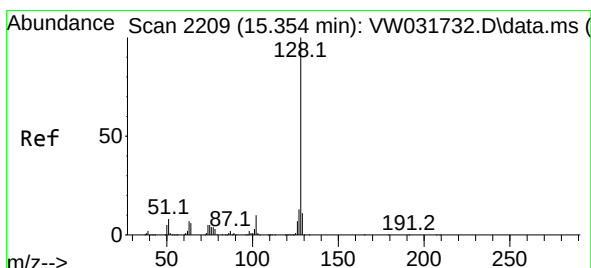
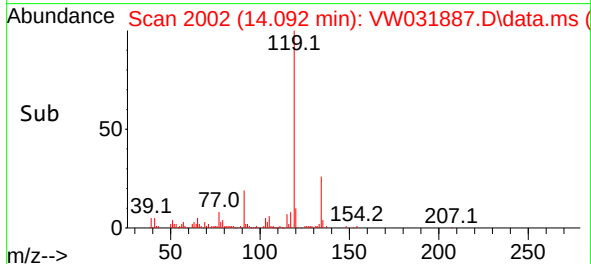
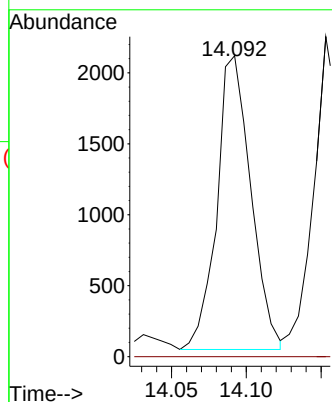
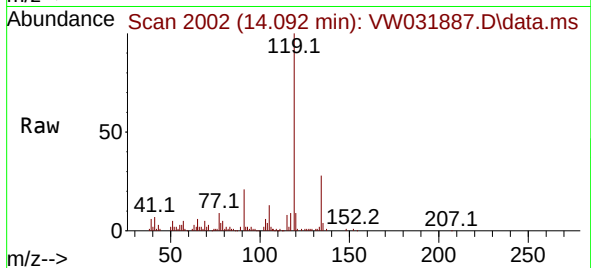
ClientSampleId :

Tgt Ion:117 Resp: 3266

Ion Ratio Lower Upper

117 100

201 0.0 31.1 93.3#



#95

Naphthalene

Concen: 1.840 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031887.D

Acq: 17 Jul 2025 14:14

Tgt Ion:128 Resp: 13474

Ion Ratio Lower Upper

128 100

127 17.3 10.8 16.2#

129 9.5 8.7 13.1

