

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031833.D
 Acq On : 11 Jul 2025 20:12
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 11 22:54:31 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	7.971	168	210117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	435411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	387375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181301	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130943	43.425	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	86.840%
35) Dibromofluoromethane	7.911	113	114526	40.308	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	80.620%
50) Toluene-d8	10.325	98	443264	41.923	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	83.840%
62) 4-Bromofluorobenzene	12.617	95	249097	64.018	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	128.040%

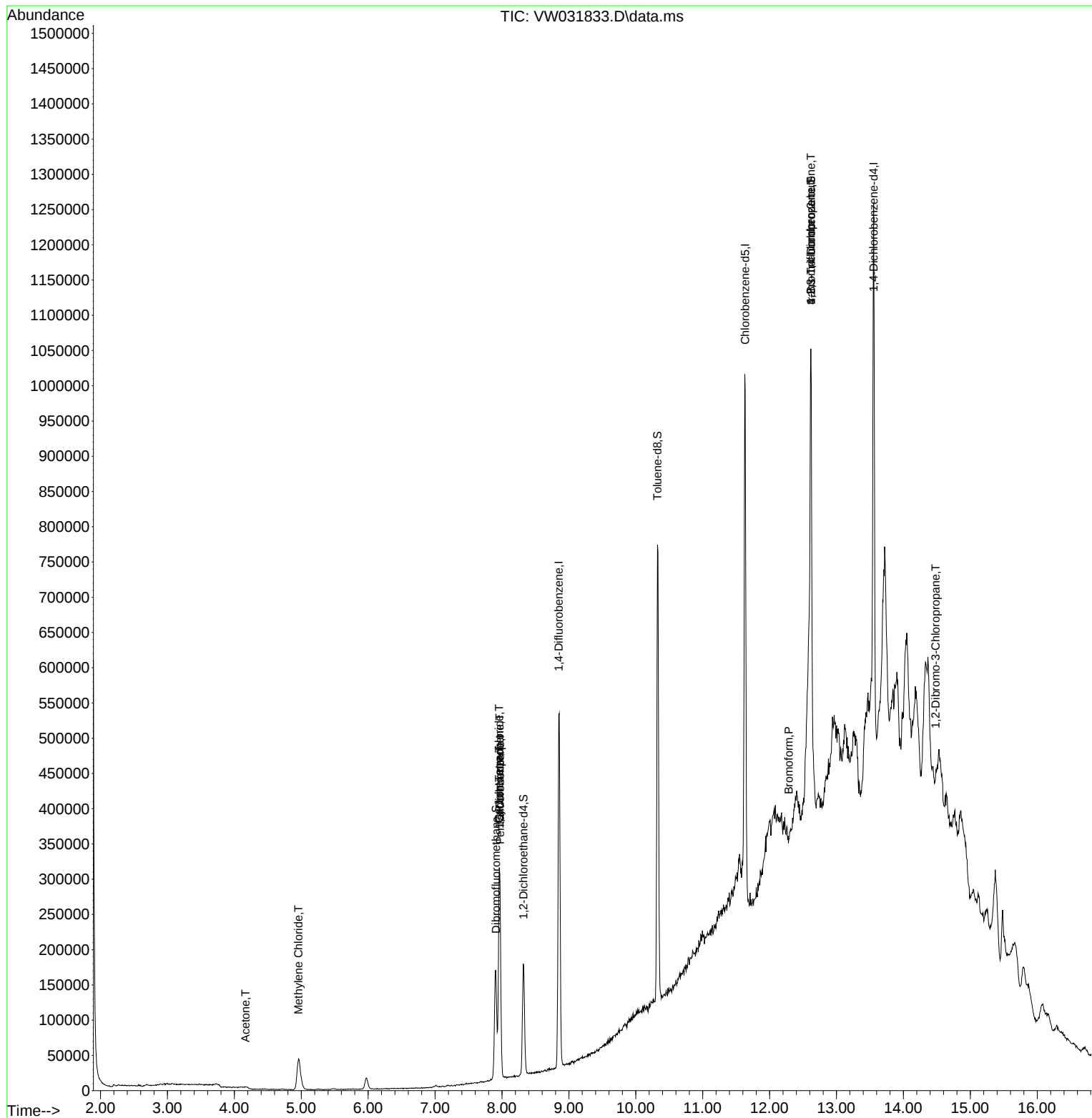
Target Compounds					Qvalue	
16) Acetone	4.167	43	1581	2.121	ug/l #	72
20) Methylene Chloride	4.960	84	41861	10.419	ug/l	95
31) Cyclohexane	7.959	56	6180	1.439	ug/l #	7
36) 1,1-Dichloropropene	7.965	75	20412	4.965	ug/l #	52
38) Carbon Tetrachloride	7.959	117	25285	6.035	ug/l #	15
71) Bromoform	12.288	173	3229	1.987	ug/l #	46
76) 1,2,3-Trichloropropane	12.617	75	90592	38.666	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	90592	90.060	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.483	75	846	1.415	ug/l #	1

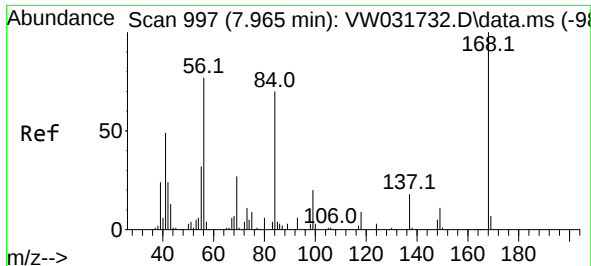
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
Data File : VW031833.D
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Operator : SY/MD
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Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
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Quant Time: Jul 11 22:54:31 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

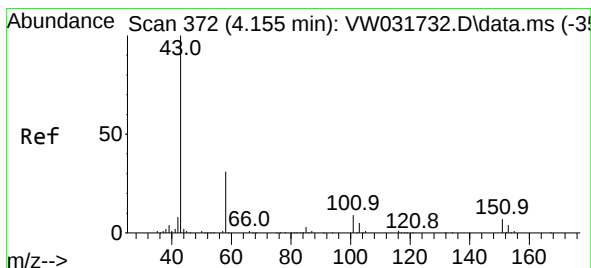
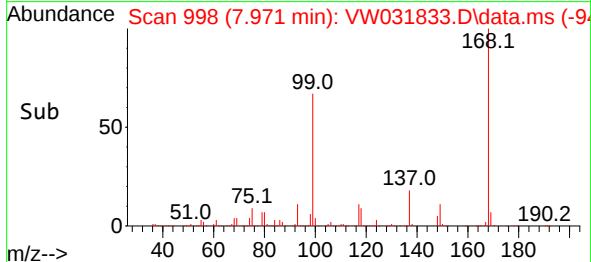
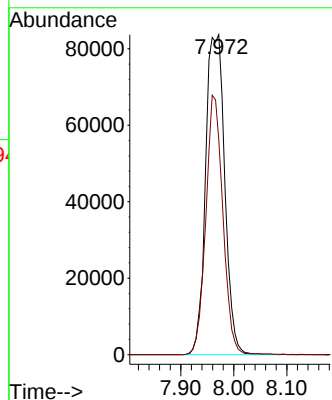
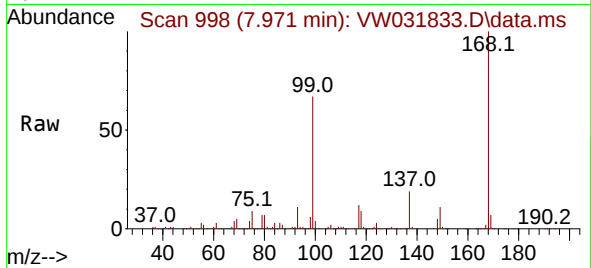




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.006 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

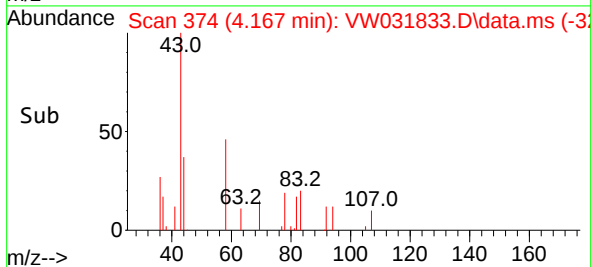
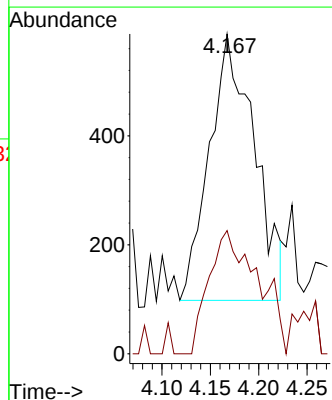
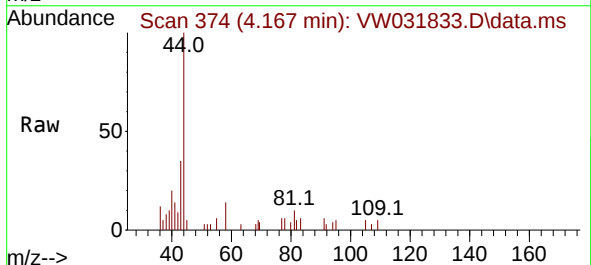
Instrument :
MSVOA_W
ClientSampleId :

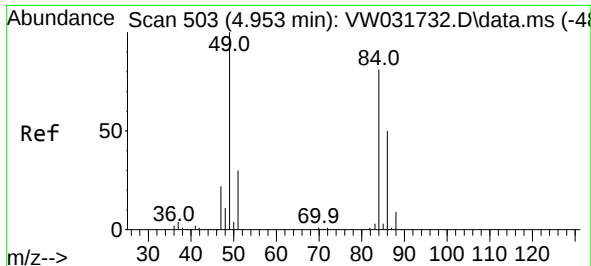
Tgt Ion:168 Resp: 210117
Ion Ratio Lower Upper
168 100
99 67.4 49.4 74.2



#16
Acetone
Concen: 2.121 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.013 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
58 46.2 24.8 37.2#

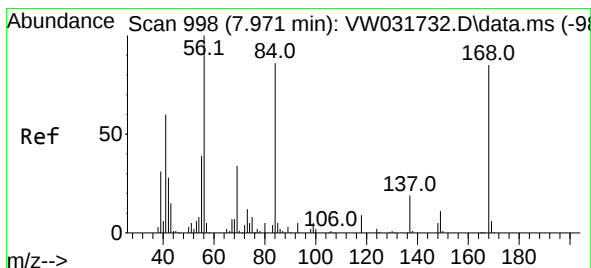
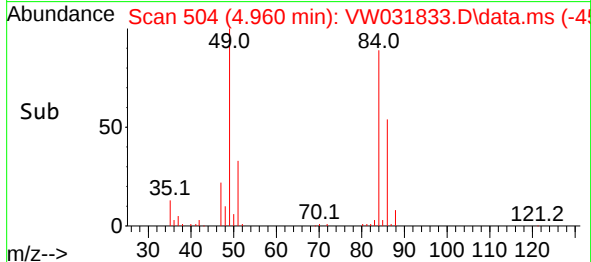
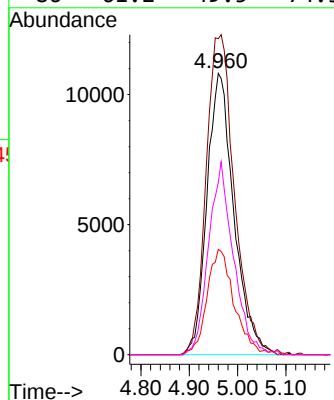
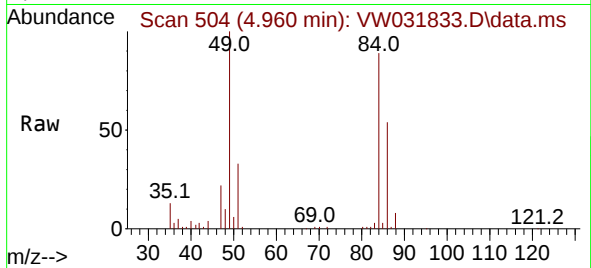




#20
Methylene Chloride
Concen: 10.419 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

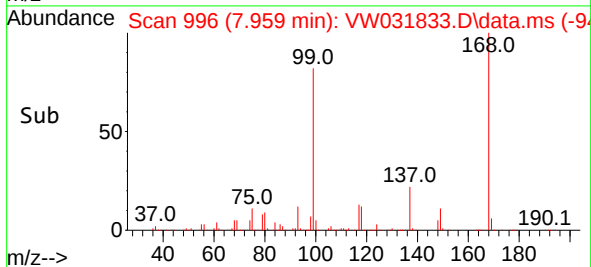
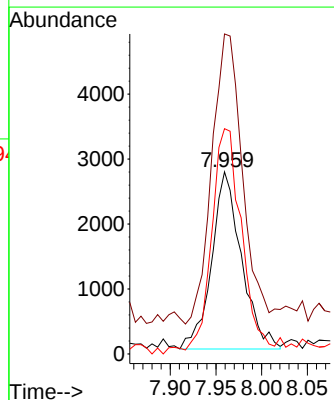
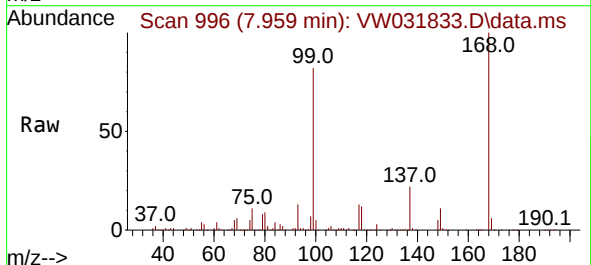
Instrument :
MSVOA_W
ClientSampleId :

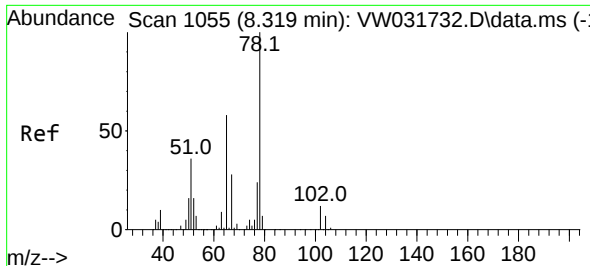
Tgt Ion:	84	Resp:	41861
Ion	Ratio	Lower	Upper
84	100		
49	112.3	98.2	147.4
51	37.4	29.8	44.8
86	61.2	49.5	74.3



#31
Cyclohexane
Concen: 1.439 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

Tgt Ion:	56	Resp:	6180
Ion	Ratio	Lower	Upper
56	100		
69	160.5	27.2	40.8#
84	124.1	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 43.425 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031833.D

Acq: 11 Jul 2025 20:12

Instrument :

MSVOA_W

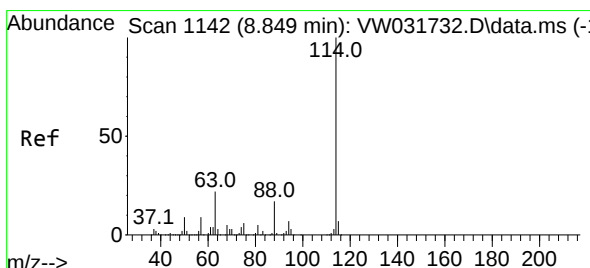
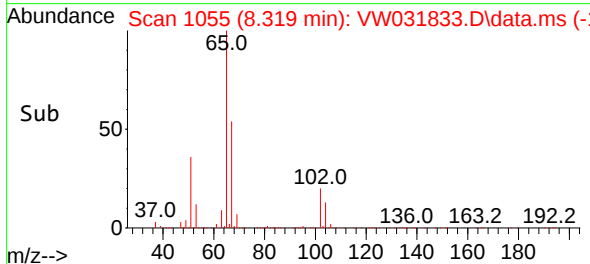
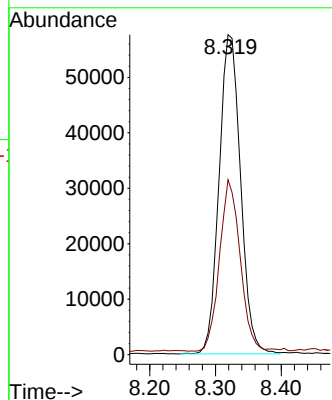
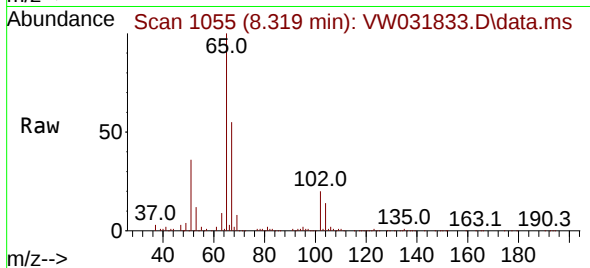
ClientSampleId :

Tgt Ion: 65 Resp: 130943

Ion Ratio Lower Upper

65 100

67 51.9 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: VW031833.D

Acq: 11 Jul 2025 20:12

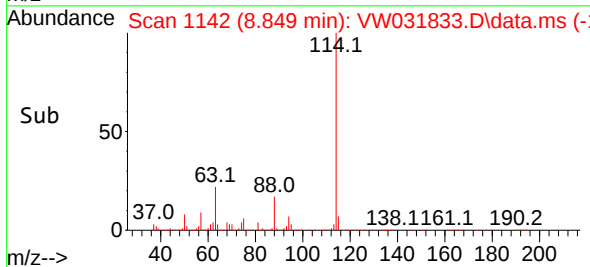
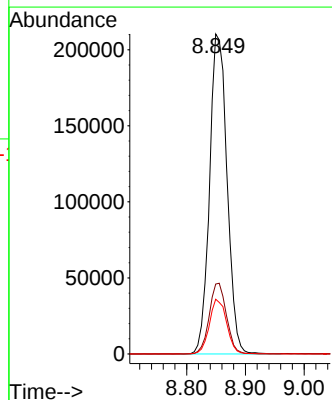
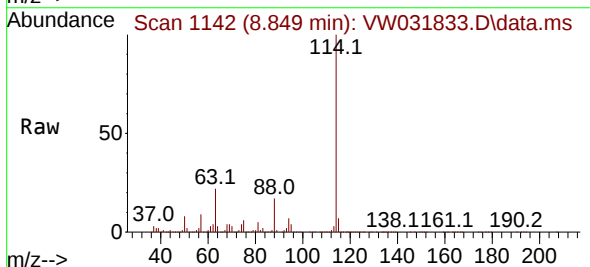
Tgt Ion: 114 Resp: 435411

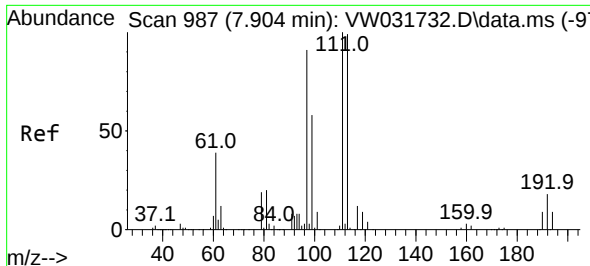
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.6

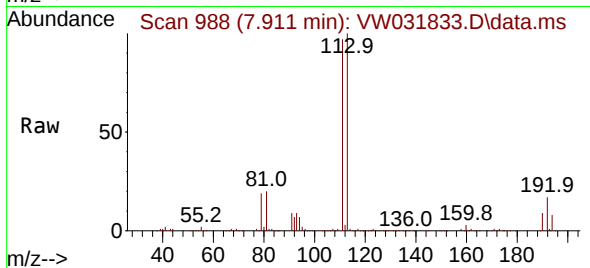
88 17.1 0.0 34.2



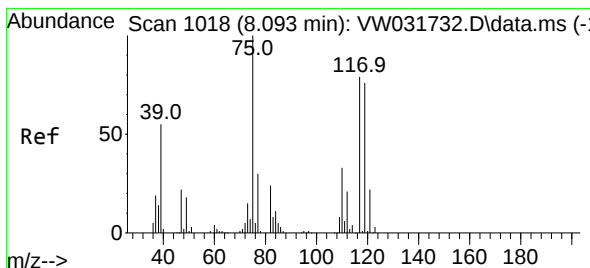
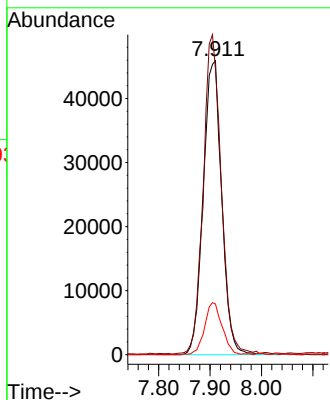
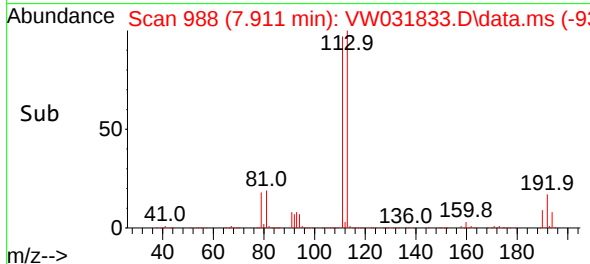


#35
 Dibromofluoromethane
 Concen: 40.308 ug/l
 RT: 7.911 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VW031833.D
 Acq: 11 Jul 2025 20:12

Instrument :
 MSVOA_W
 ClientSampleId :

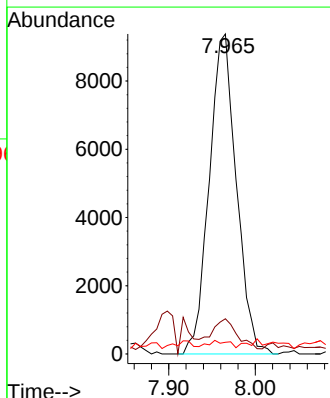
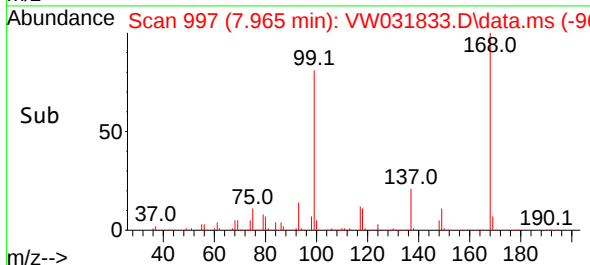
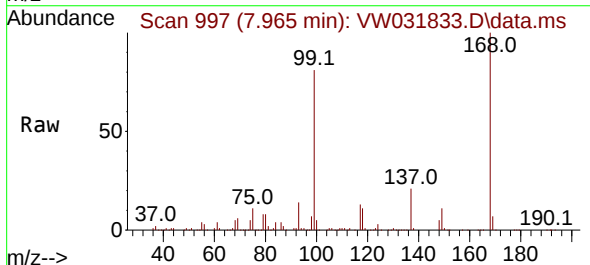


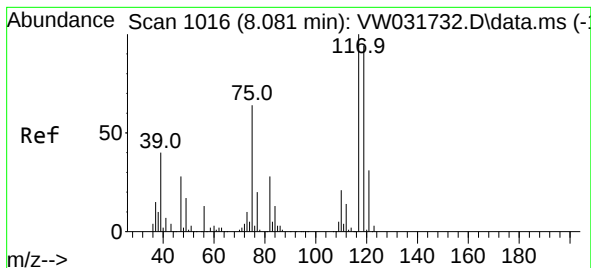
Tgt Ion:113 Resp: 114526
 Ion Ratio Lower Upper
 113 100
 111 105.4 82.1 123.1
 192 16.8 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.965 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031833.D
 Acq: 11 Jul 2025 20:12

Tgt Ion: 75 Resp: 20412
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.8 50.4#
 77 1.6 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

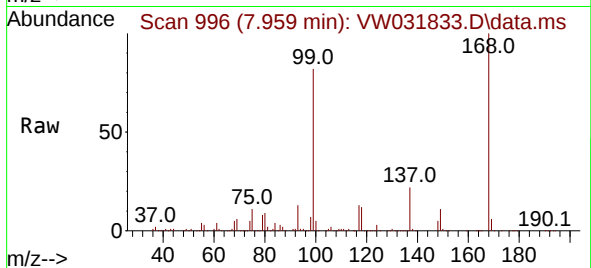
Lab File: VW031833.D

Acq: 11 Jul 2025 20:12

Instrument :

MSVOA_W

ClientSampleId :



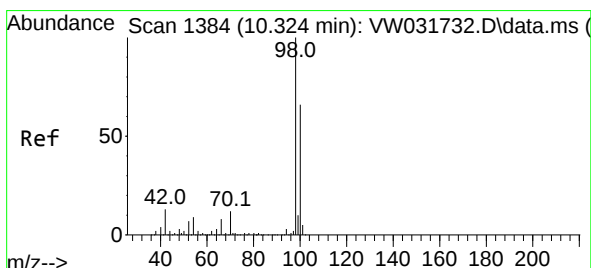
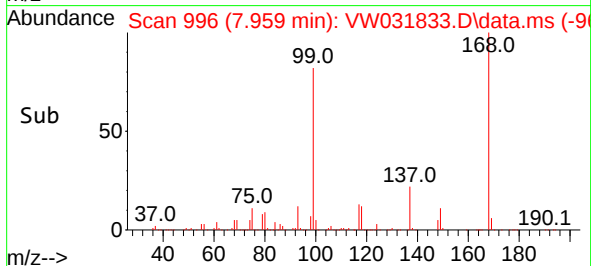
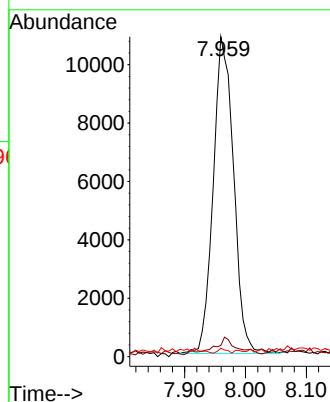
Tgt Ion:117 Resp: 25285

Ion Ratio Lower Upper

117 100

119 2.6 75.0 112.6#

121 0.6 24.6 37.0#



#50

Toluene-d8

Concen: 41.923 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031833.D

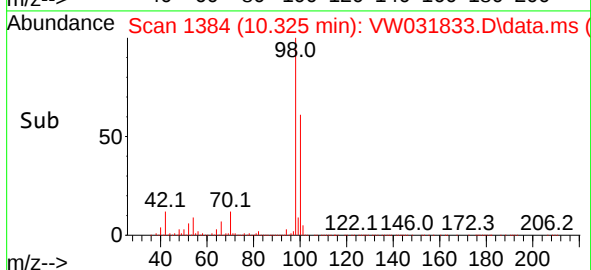
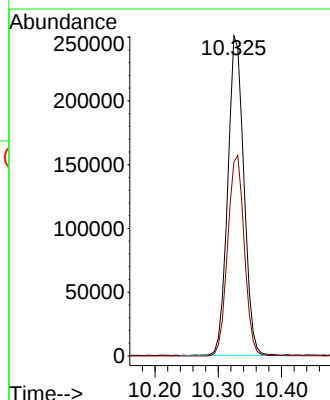
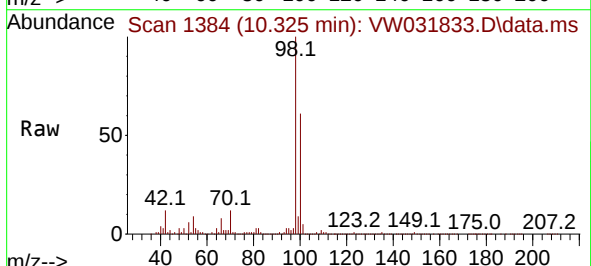
Acq: 11 Jul 2025 20:12

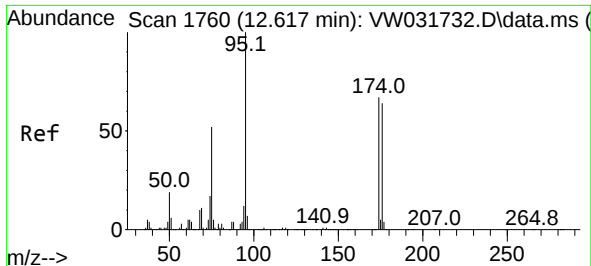
Tgt Ion: 98 Resp: 443264

Ion Ratio Lower Upper

98 100

100 64.5 53.0 79.4

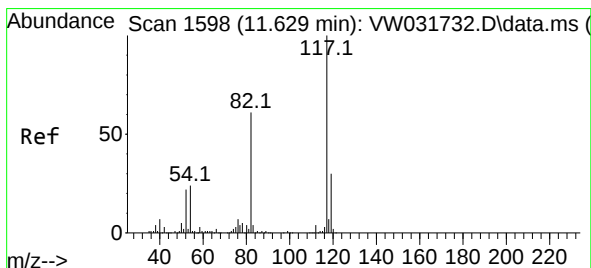
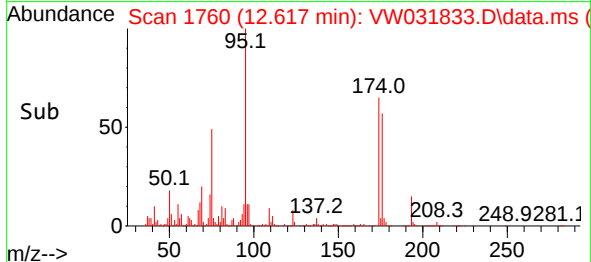
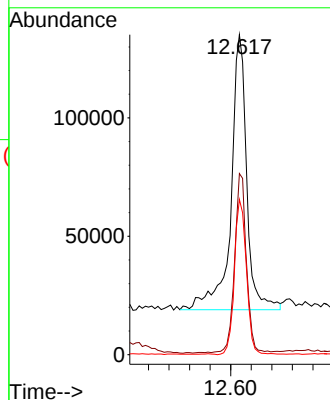
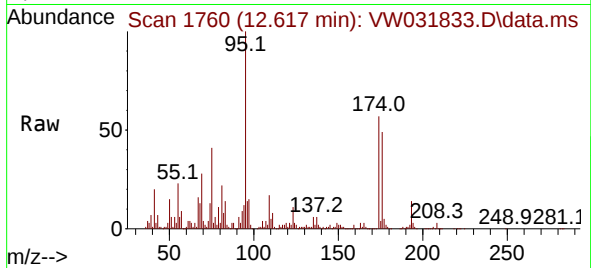




#62
4-Bromofluorobenzene
Concen: 64.018 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

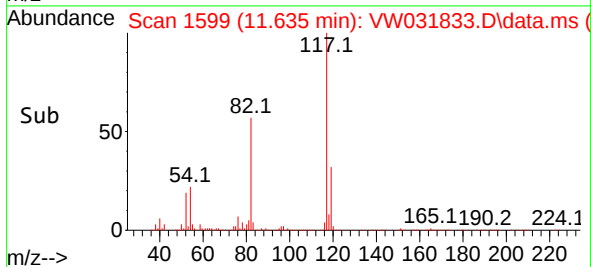
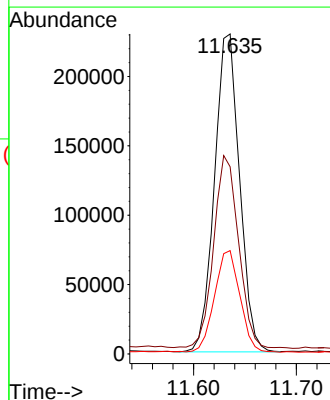
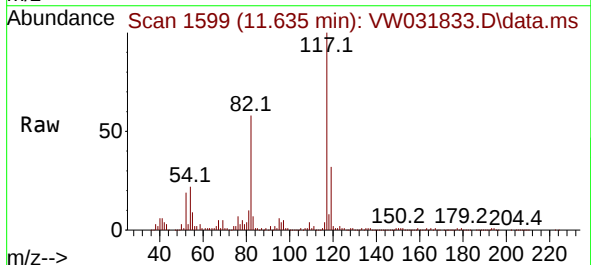
Instrument :
MSVOA_W
ClientSampleId :

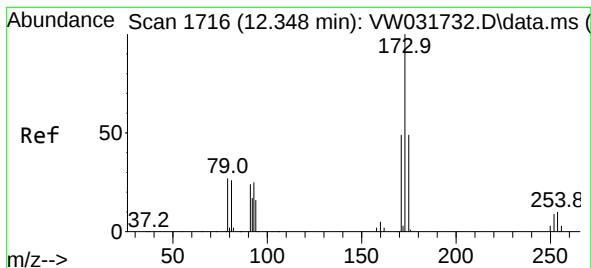
Tgt Ion: 95 Resp: 249097
Ion Ratio Lower Upper
95 100
174 48.2 0.0 133.8
176 43.1 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

Tgt Ion:117 Resp: 387375
Ion Ratio Lower Upper
117 100
82 56.8 48.6 72.8
119 32.0 23.9 35.9





#71

Bromoform

Concen: 1.987 ug/l

RT: 12.288 min Scan# 1706

Delta R.T. -0.061 min

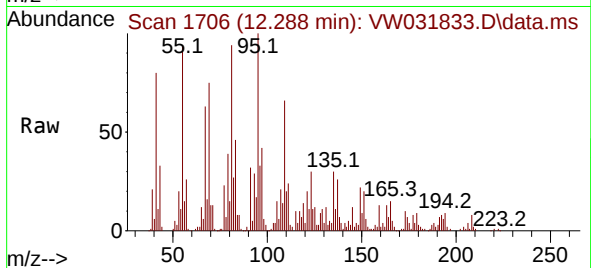
Lab File: VW031833.D

Acq: 11 Jul 2025 20:12

Instrument :

MSVOA_W

ClientSampleId :



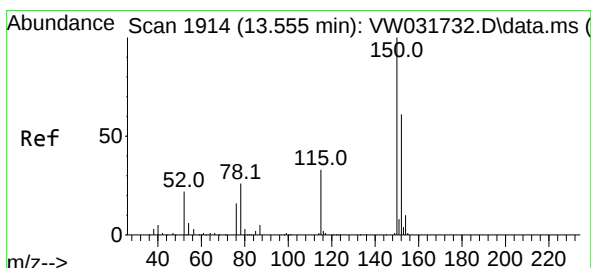
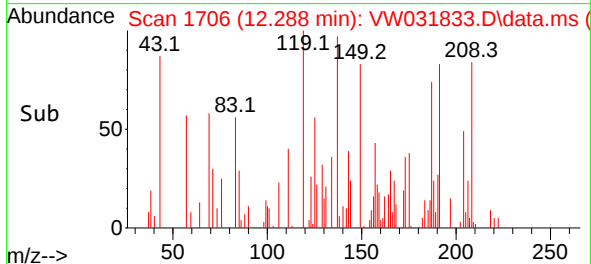
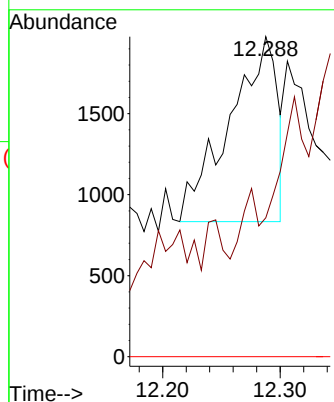
Tgt Ion:173 Resp: 3229

Ion Ratio Lower Upper

173 100

175 11.8 24.0 72.0#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031833.D

Acq: 11 Jul 2025 20:12

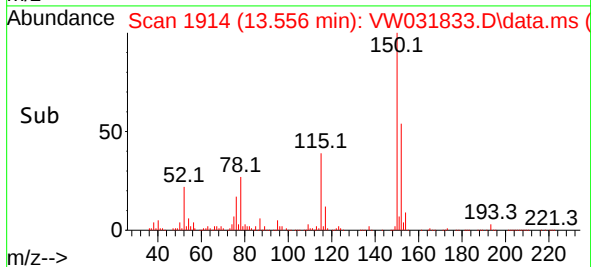
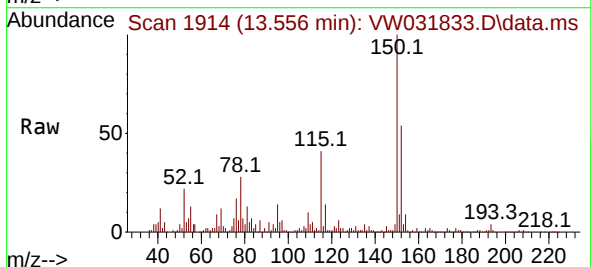
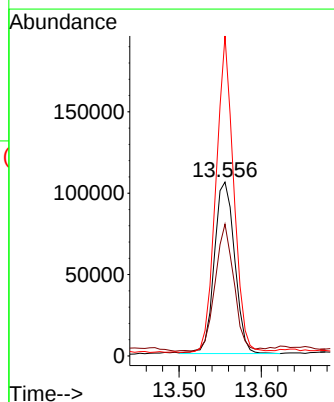
Tgt Ion:152 Resp: 181301

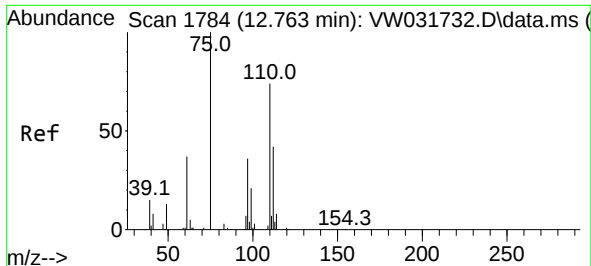
Ion Ratio Lower Upper

152 100

115 67.9 31.9 95.7

150 161.2 0.0 356.4

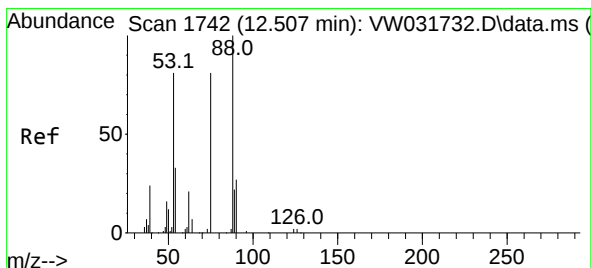
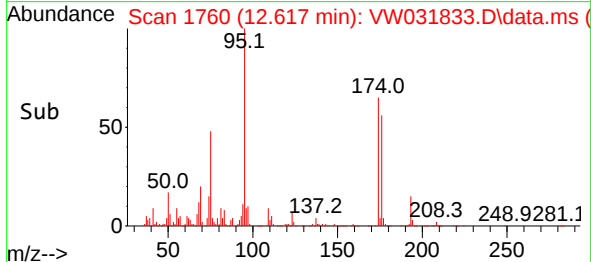
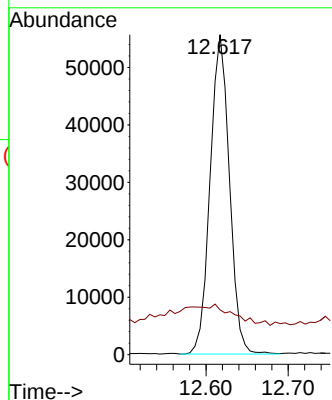
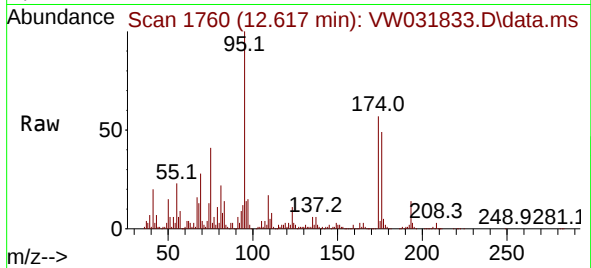




#76
1,2,3-Trichloropropane
Concen: 38.666 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

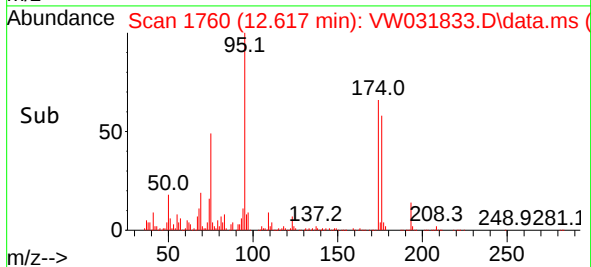
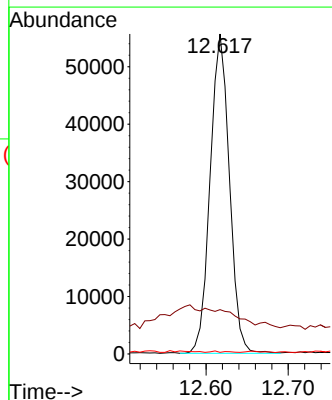
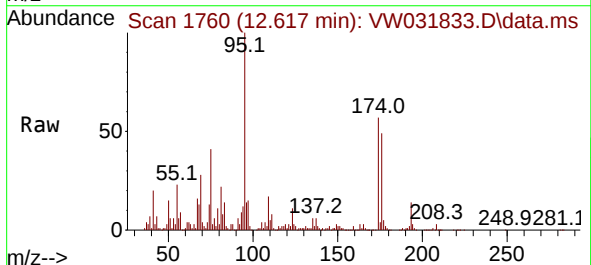
Instrument :
MSVOA_W
ClientSampleId :

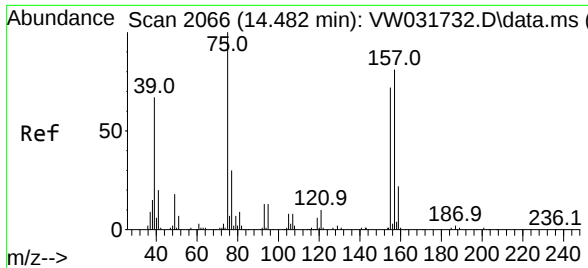
Tgt Ion: 75 Resp: 90592
Ion Ratio Lower Upper
75 100
77 0.0 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.060 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031833.D
Acq: 11 Jul 2025 20:12

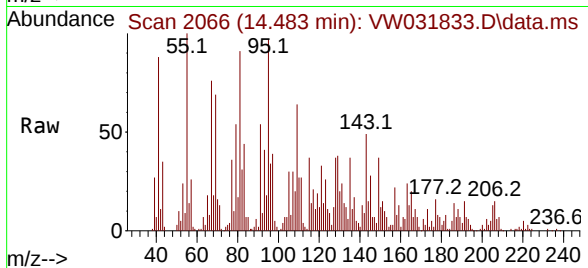
Tgt Ion: 75 Resp: 90592
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.3 38.3 57.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.415 ug/l
 RT: 14.483 min Scan# 2066
 Delta R.T. 0.000 min
 Lab File: VW031833.D
 Acq: 11 Jul 2025 20:12

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 846
 Ion Ratio Lower Upper
 75 100
 155 13.7 37.2 111.6#
 157 1629.6 45.6 136.9#

