

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073125\
 Data File : VW031969.D
 Acq On : 31 Jul 2025 15:42
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 01 01:15:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	170284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	365723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158467	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131899	51.204	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	102.400%
35) Dibromofluoromethane	7.898	113	122959	49.478	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.960%
50) Toluene-d8	10.325	98	430853	45.809	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.620%
62) 4-Bromofluorobenzene	12.617	95	145758	40.359	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.720%

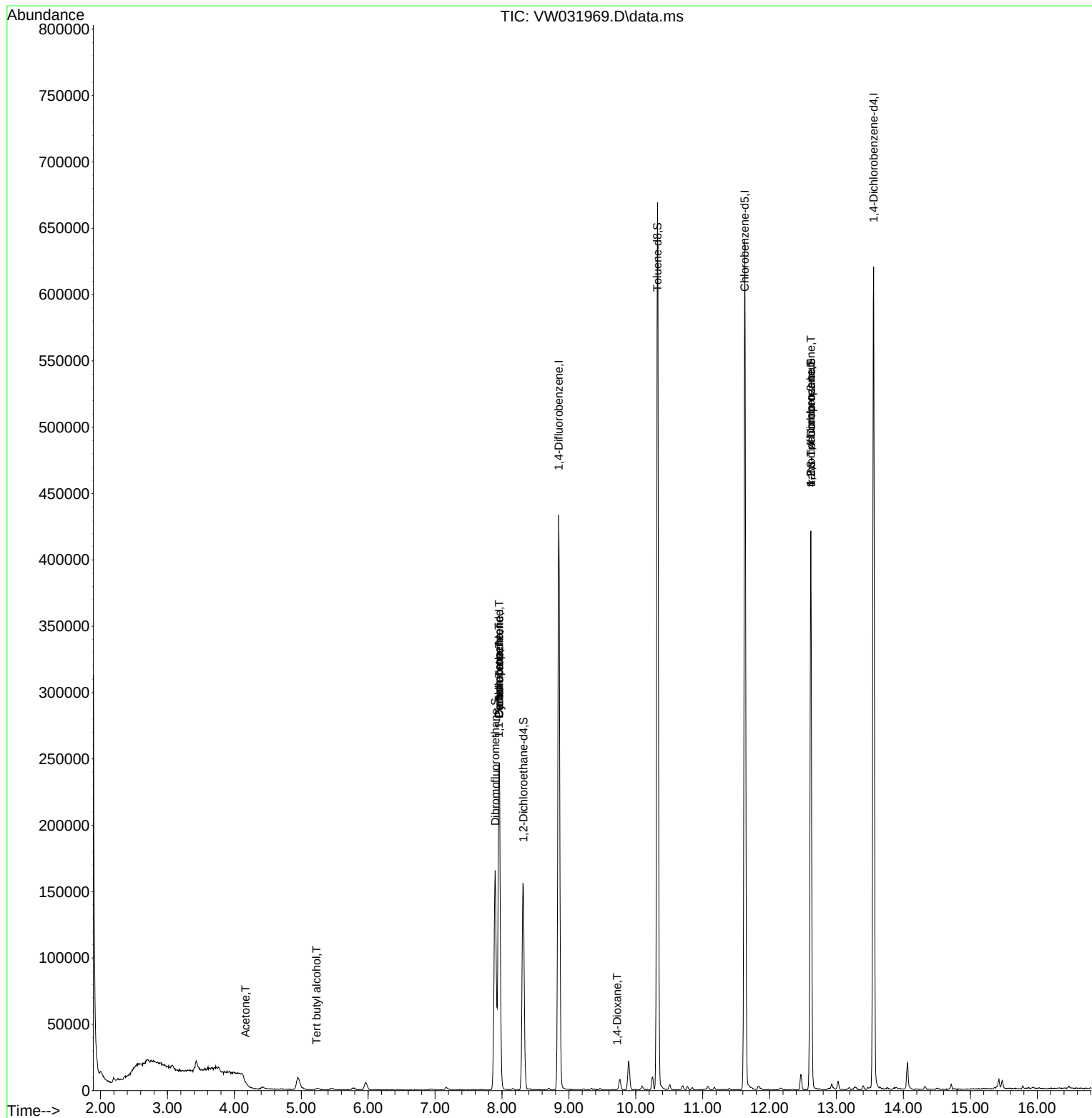
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.228	59	459	3.031	ug/l #	72
13) Acrolein	3.960	56	54	Below Cal	#	1
16) Acetone	4.167	43	5421	8.868	ug/l #	87
20) Methylene Chloride	4.954	84	8083	Below Cal		91
31) Cyclohexane	7.959	56	4632	1.172	ug/l #	34
36) 1,1-Dichloropropene	7.953	75	16493	4.322	ug/l #	50
38) Carbon Tetrachloride	7.959	117	18915	5.164	ug/l #	18
49) 1,4-Dioxane	9.721	88	20	1.188	ug/l #	23
76) 1,2,3-Trichloropropane	12.617	75	76484	34.958	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	76484	80.709	ug/l #	8

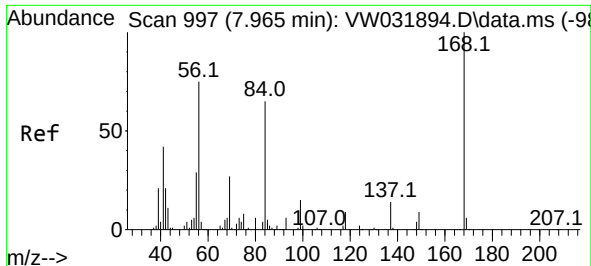
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073125\
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Quant Time: Aug 01 01:15:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

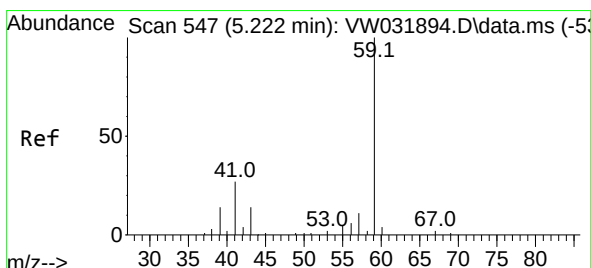
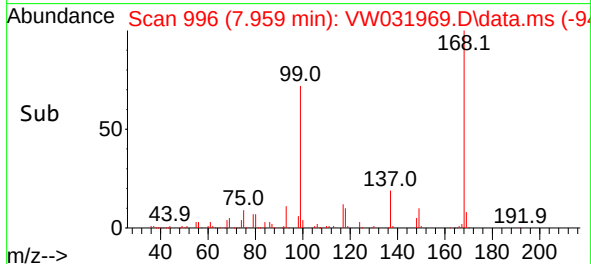
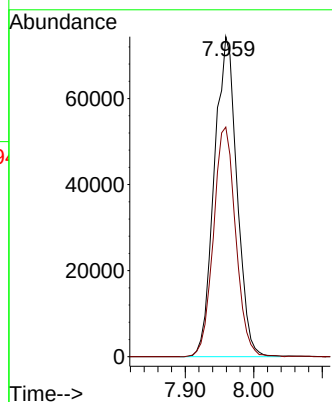
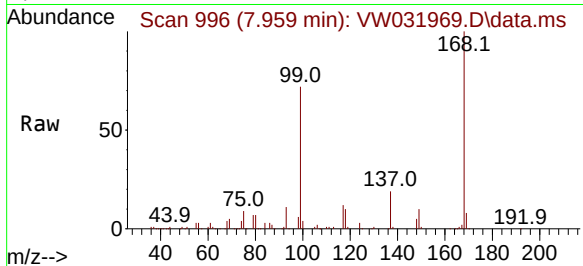




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

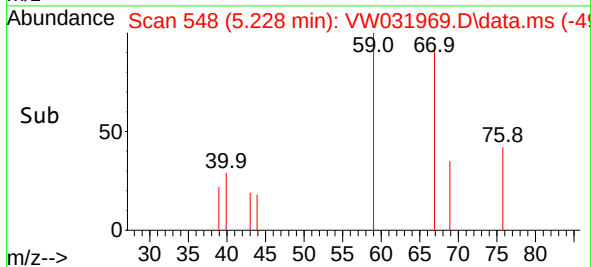
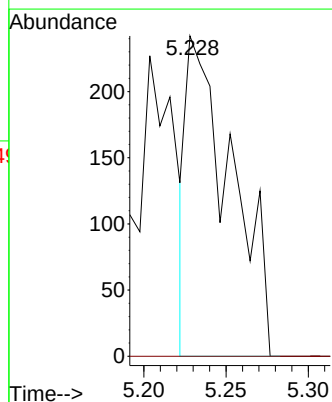
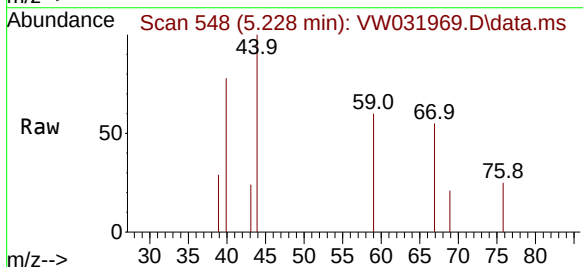
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

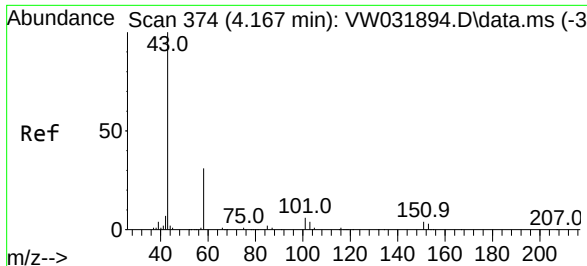
Tgt Ion:168 Resp: 170284
Ion Ratio Lower Upper
168 100
99 71.7 48.2 72.2



#11
Tert butyl alcohol
Concen: 3.031 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

Tgt Ion: 59 Resp: 459
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

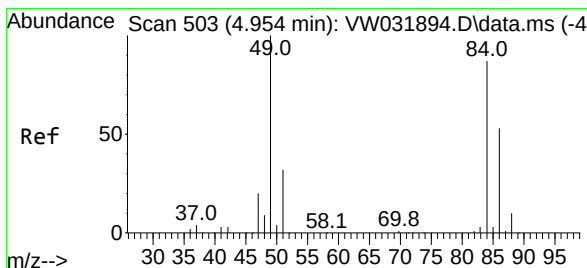
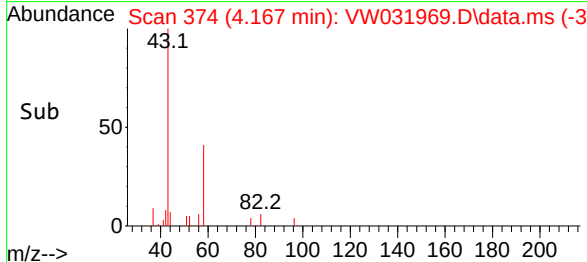
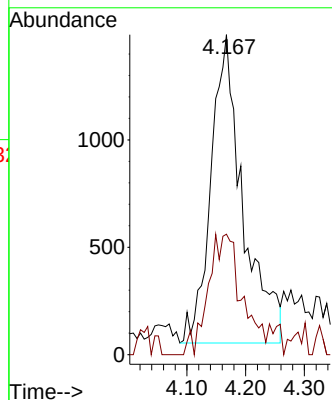
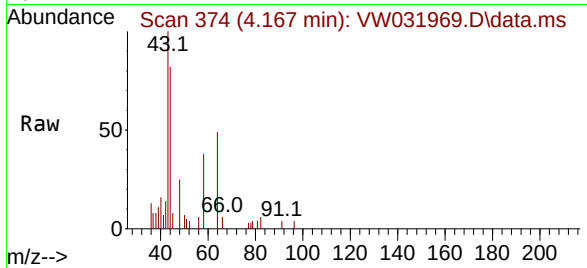




#16
Acetone
Concen: 8.868 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

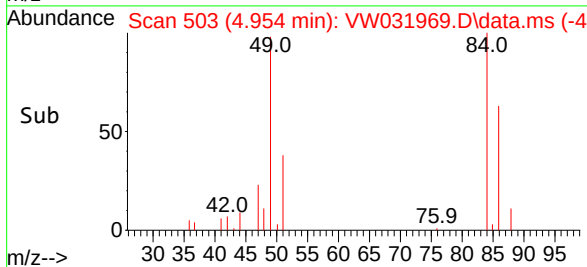
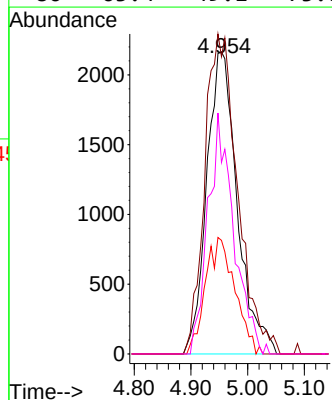
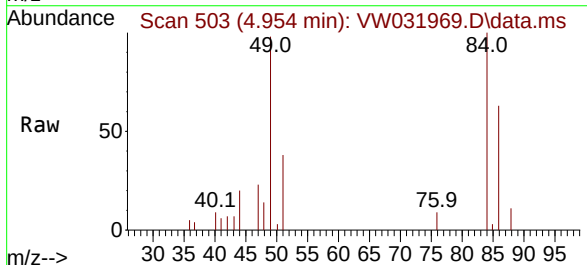
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

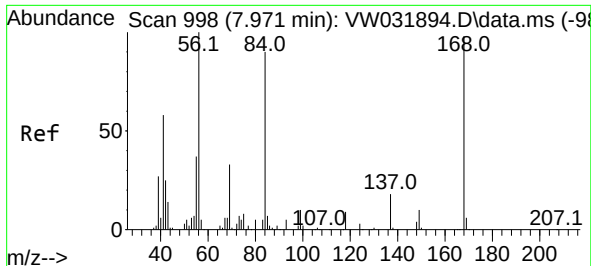
Tgt Ion: 43 Resp: 5421
Ion Ratio Lower Upper
43 100
58 39.1 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

Tgt Ion: 84 Resp: 8083
Ion Ratio Lower Upper
84 100
49 98.4 91.9 137.9
51 37.6 29.0 43.6
86 63.4 49.1 73.7

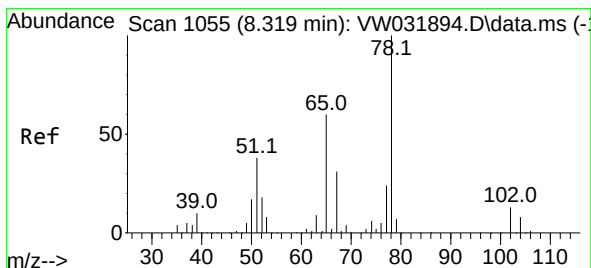
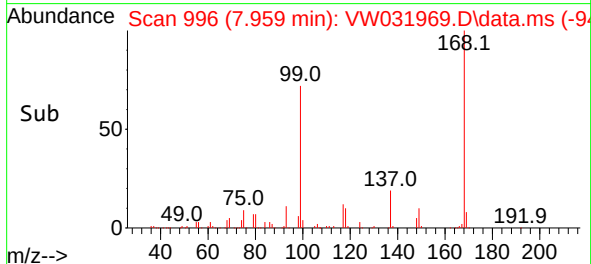
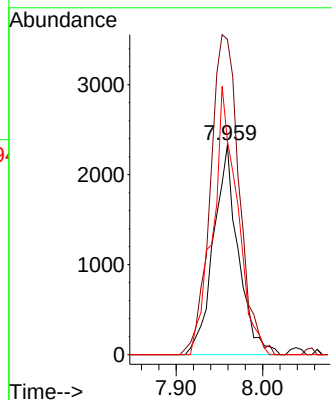
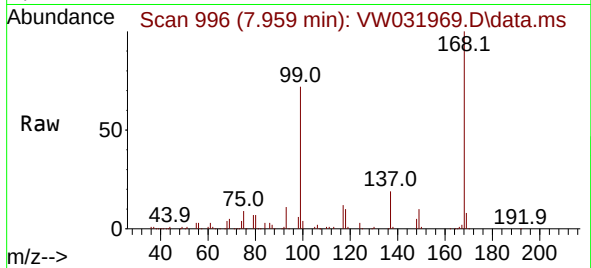




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

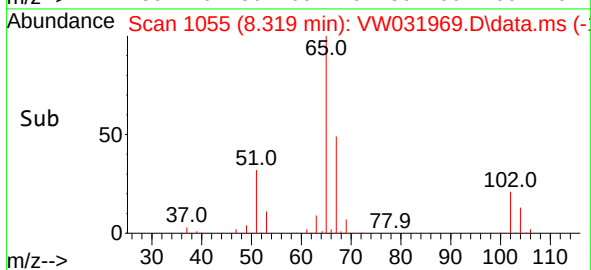
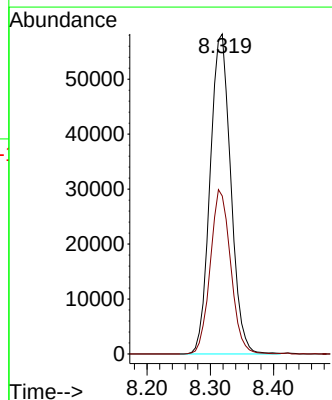
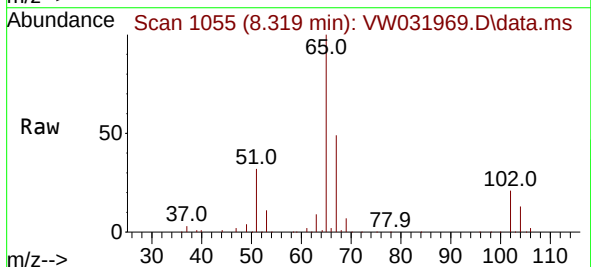
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

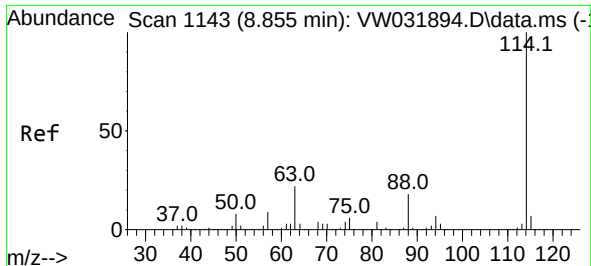
Tgt Ion: 56 Resp: 4632
Ion Ratio Lower Upper
56 100
69 150.6 26.7 40.1#
84 102.2 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 51.204 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

Tgt Ion: 65 Resp: 131899
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031969.D

Acq: 31 Jul 2025 15:42

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

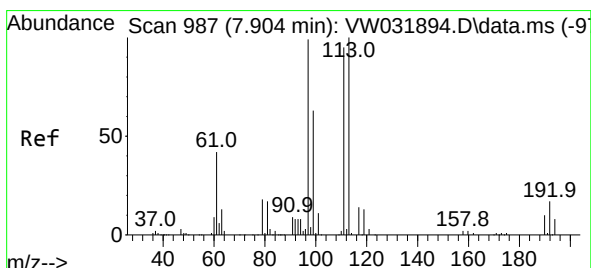
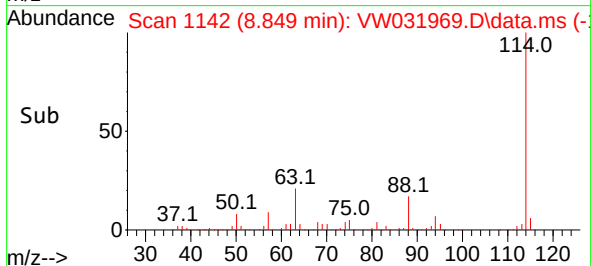
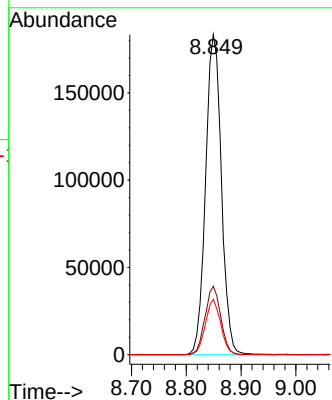
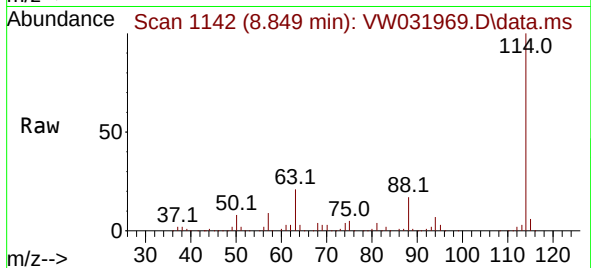
Tgt Ion:114 Resp: 365723

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.2

88 17.2 0.0 35.6



#35

Dibromofluoromethane

Concen: 49.478 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031969.D

Acq: 31 Jul 2025 15:42

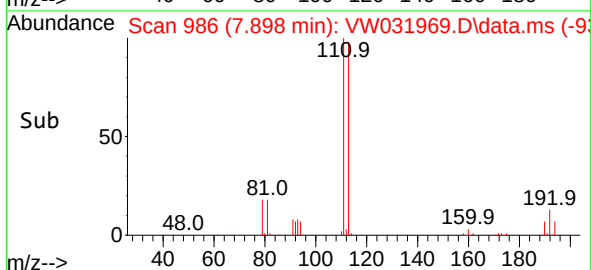
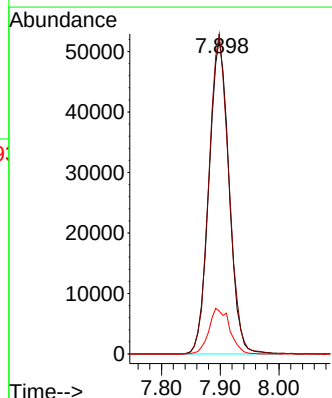
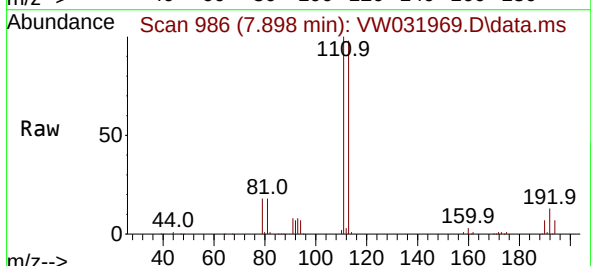
Tgt Ion:113 Resp: 122959

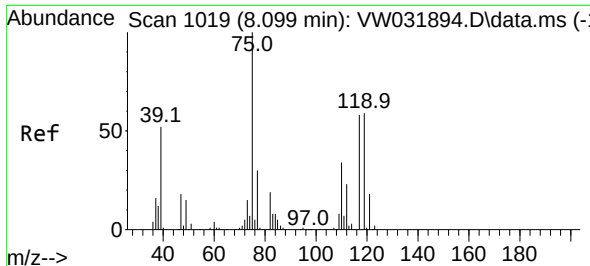
Ion Ratio Lower Upper

113 100

111 101.5 79.9 119.9

192 15.1 12.6 19.0





#36

1,1-Dichloropropene

Concen: 4.322 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.146 min

Lab File: VW031969.D

Acq: 31 Jul 2025 15:42

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

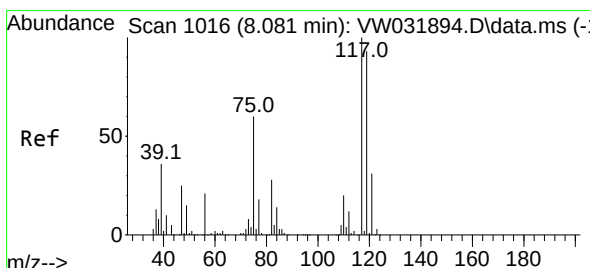
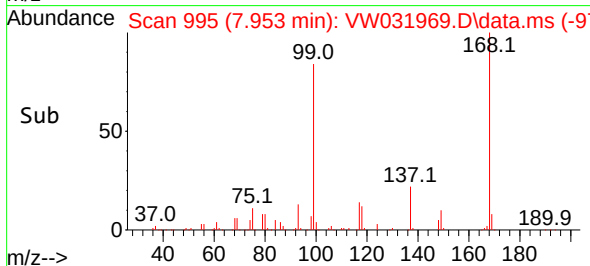
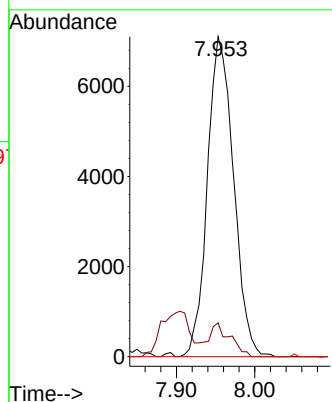
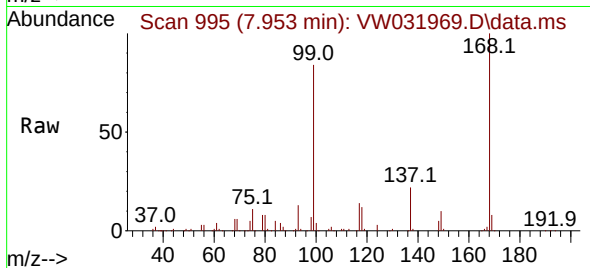
Tgt Ion: 75 Resp: 16493

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.164 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031969.D

Acq: 31 Jul 2025 15:42

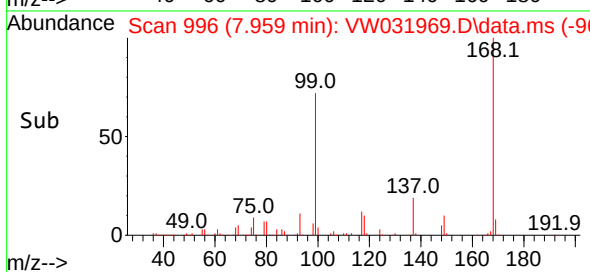
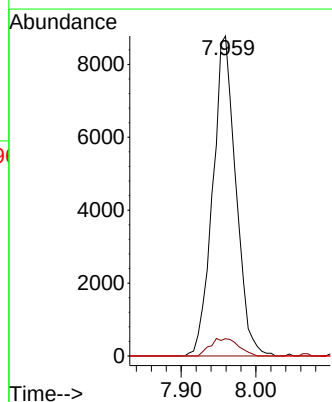
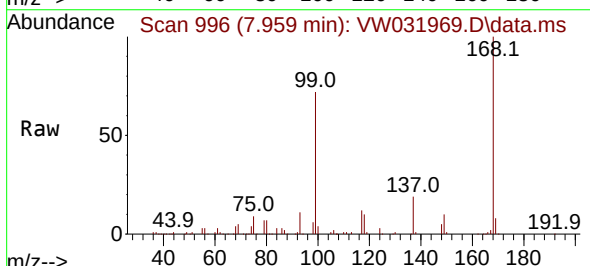
Tgt Ion: 117 Resp: 18915

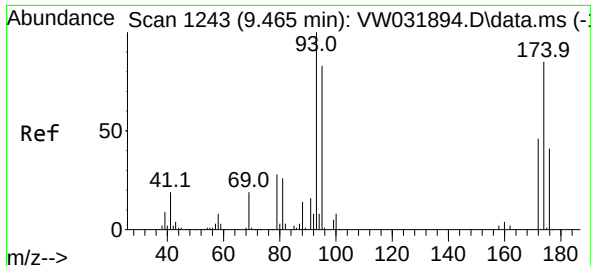
Ion Ratio Lower Upper

117 100

119 5.4 74.3 111.5#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.188 ug/l

RT: 9.721 min Scan# 11

Delta R.T. 0.256 min

Lab File: VW031969.D

Acq: 31 Jul 2025 15:42

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

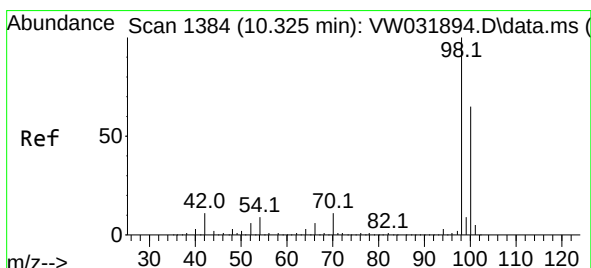
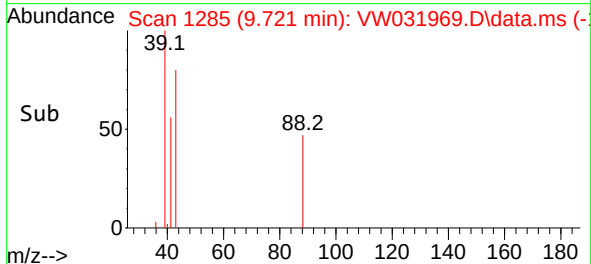
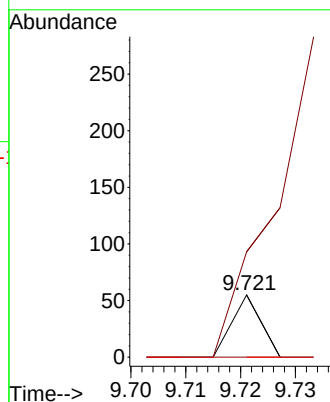
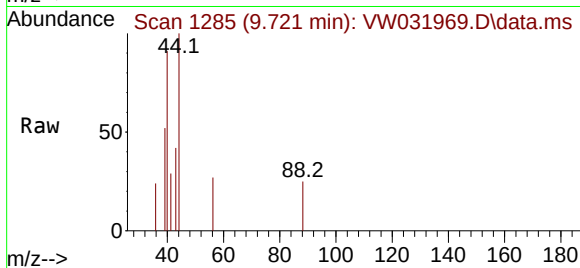
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.4#

58 0.0 58.2 87.2#



#50

Toluene-d8

Concen: 45.809 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031969.D

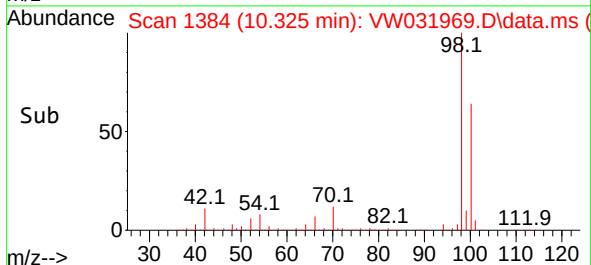
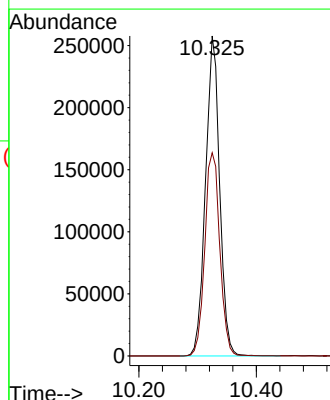
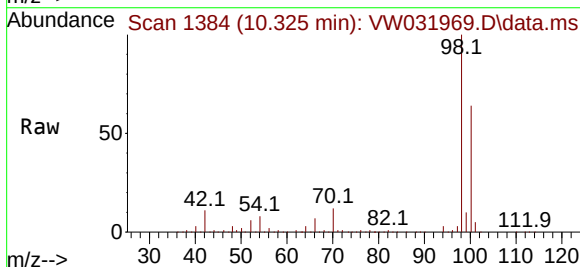
Acq: 31 Jul 2025 15:42

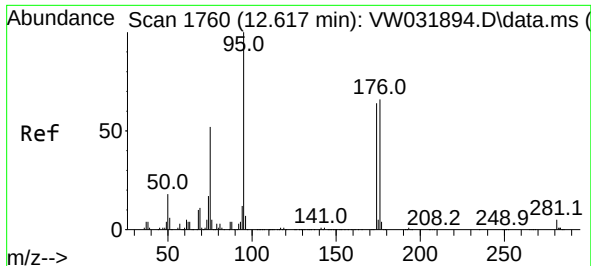
Tgt Ion: 98 Resp: 430853

Ion Ratio Lower Upper

98 100

100 67.5 51.7 77.5

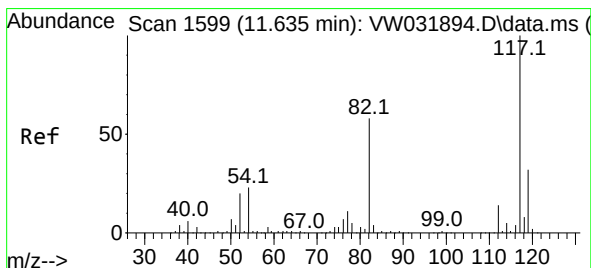
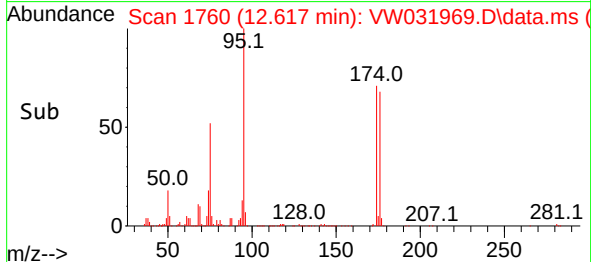
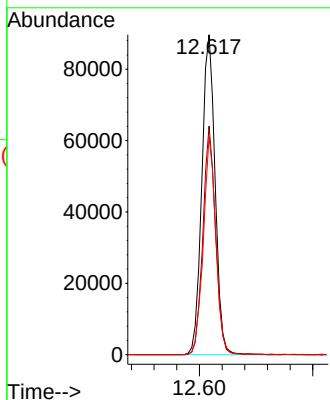
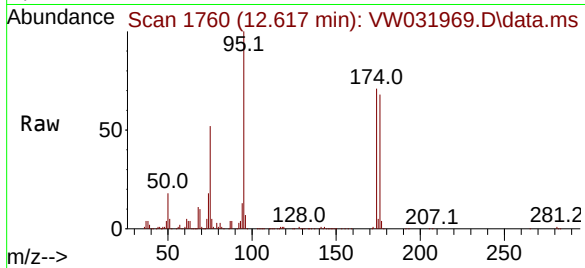




#62
4-Bromofluorobenzene
Concen: 40.359 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

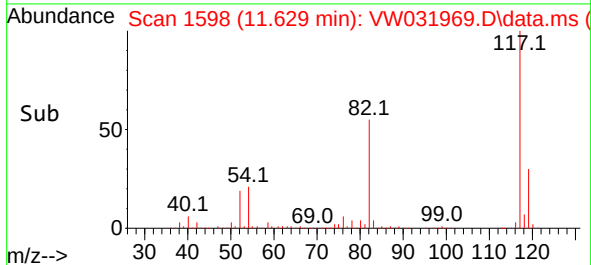
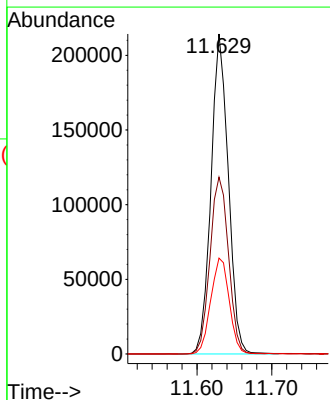
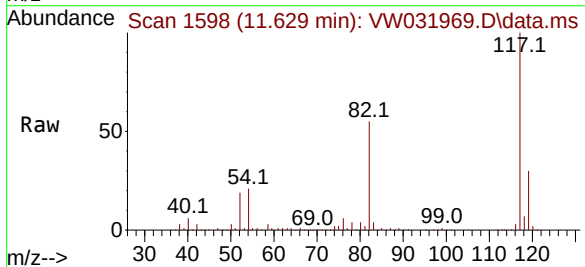
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

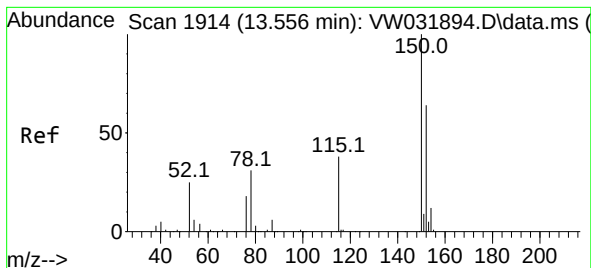
Tgt Ion: 95 Resp: 145758
Ion Ratio Lower Upper
95 100
174 68.2 0.0 129.8
176 64.1 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

Tgt Ion: 117 Resp: 345087
Ion Ratio Lower Upper
117 100
82 55.2 46.5 69.7
119 30.0 25.8 38.6

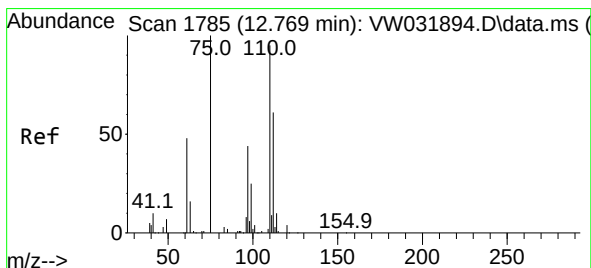
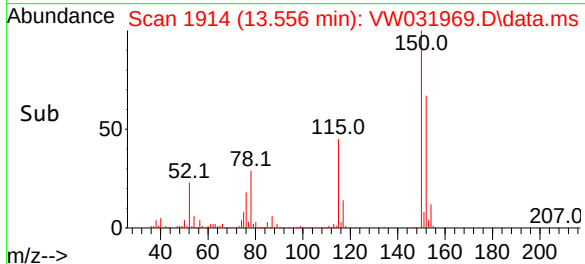
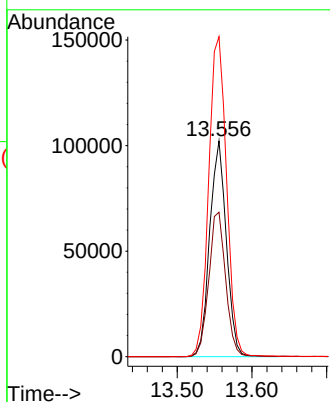
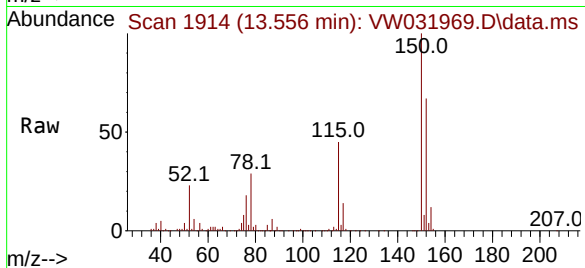




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

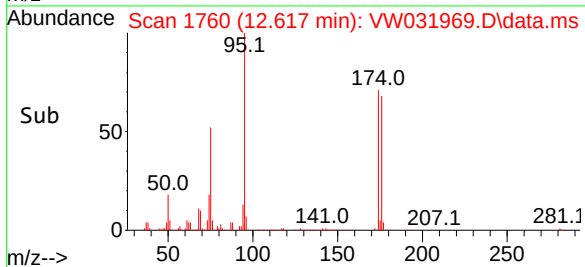
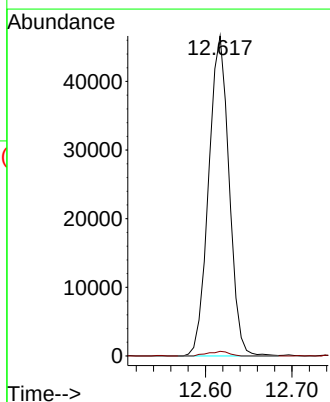
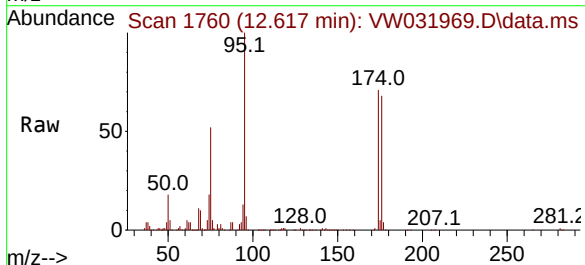
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

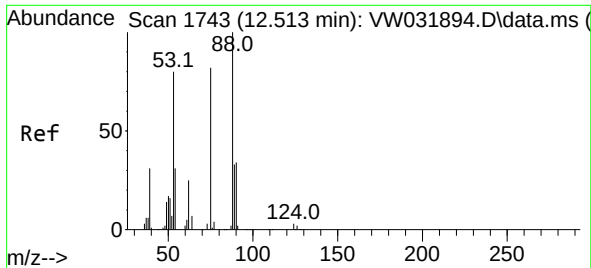
Tgt Ion:152 Resp: 158467
Ion Ratio Lower Upper
152 100
115 68.1 33.4 100.1
150 158.9 0.0 352.2



#76
1,2,3-Trichloropropane
Concen: 34.958 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031969.D
Acq: 31 Jul 2025 15:42

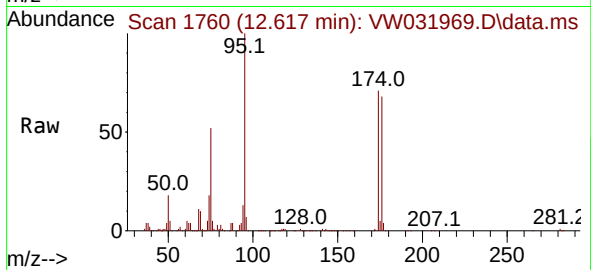
Tgt Ion: 75 Resp: 76484
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.709 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031969.D
 Acq: 31 Jul 2025 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 76484
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 39.0 58.6#

