

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032124.D
 Acq On : 22 Aug 2025 20:08
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 25 04:03:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

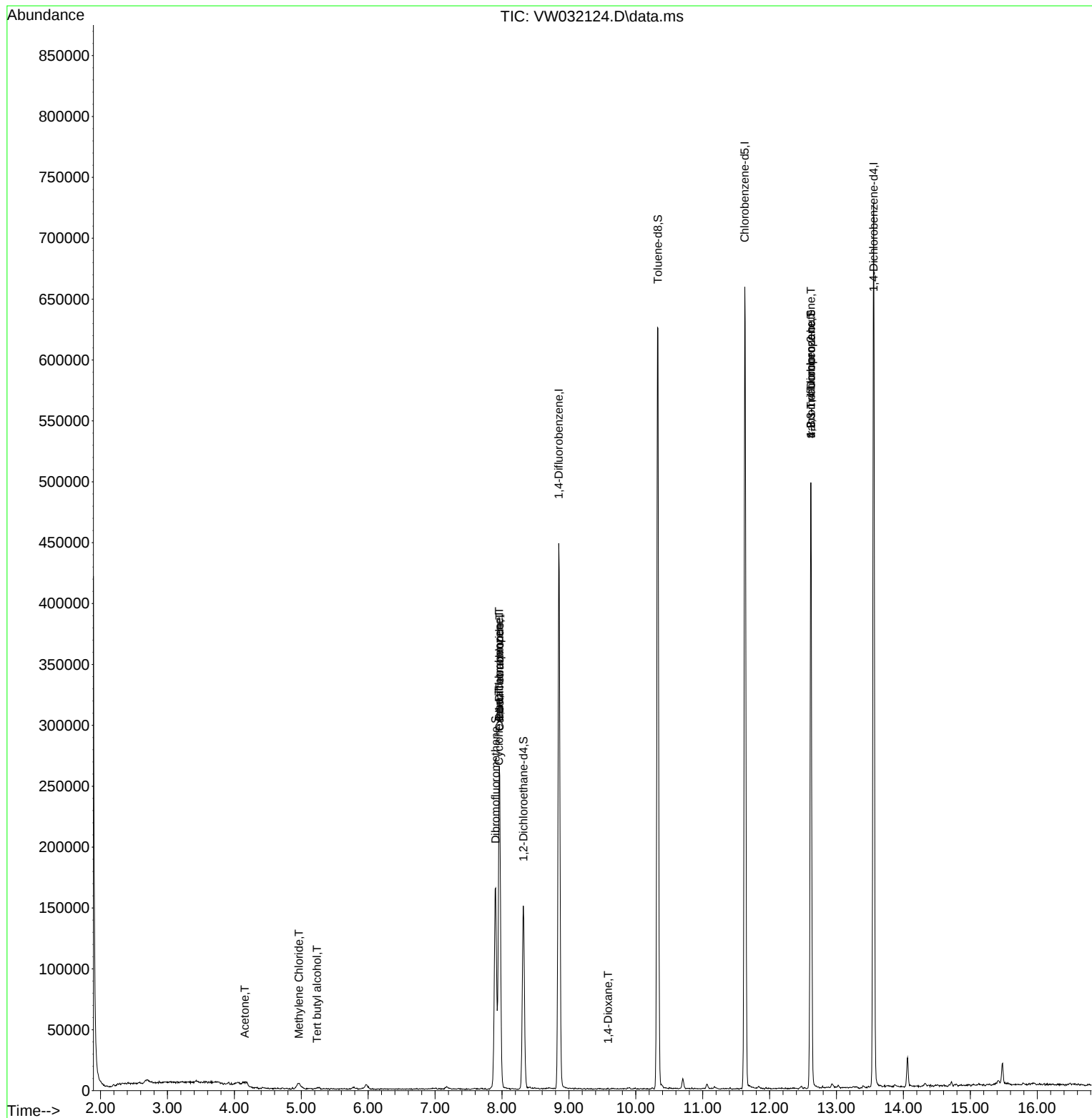
Internal Standards						
1) Pentafluorobenzene	7.959	168	192591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	363259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123687	44.405	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	88.820%	
35) Dibromofluoromethane	7.904	113	117071	49.885	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	99.780%	
50) Toluene-d8	10.331	98	408466	47.058	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	94.120%	
62) 4-Bromofluorobenzene	12.617	95	160351	50.129	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	100.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	240	1.331	ug/l #	92
16) Acetone	4.155	43	3402	5.275	ug/l #	63
20) Methylene Chloride	4.966	84	4175	1.400	ug/l #	85
31) Cyclohexane	7.953	56	4905	1.236	ug/l #	48
36) 1,1-Dichloropropene	7.959	75	16176	4.889	ug/l #	49
38) Carbon Tetrachloride	7.965	117	20151	6.312	ug/l #	19
49) 1,4-Dioxane	9.587	88	26	1.254	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	87969	34.388	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	87969	89.027	ug/l #	9

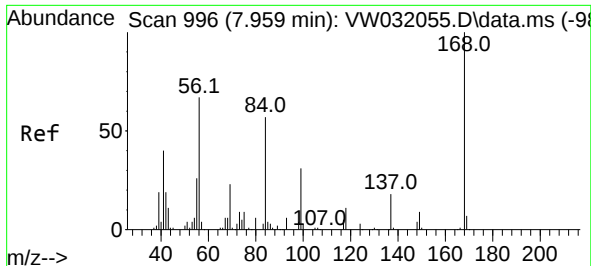
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

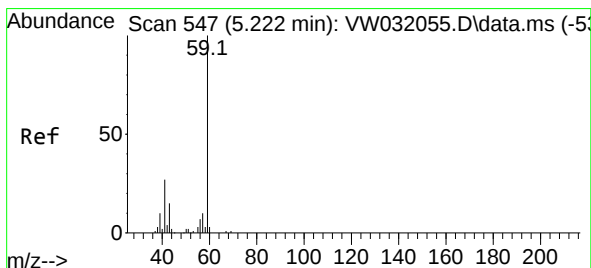
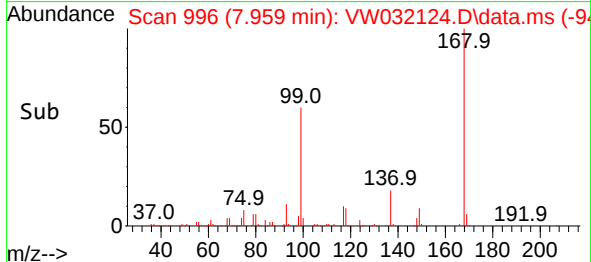
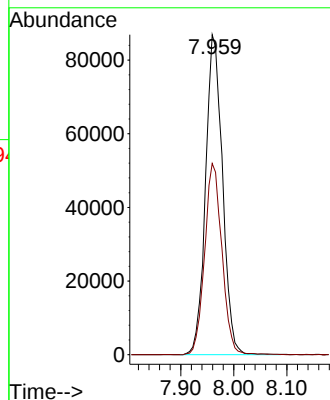
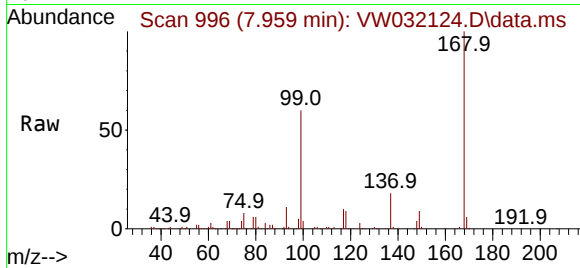




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

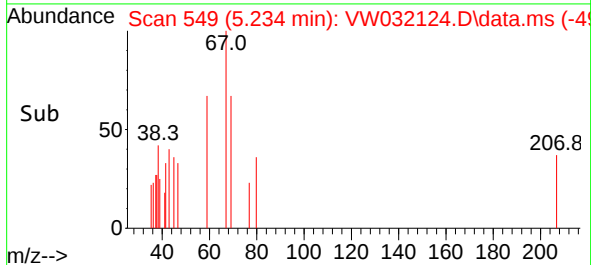
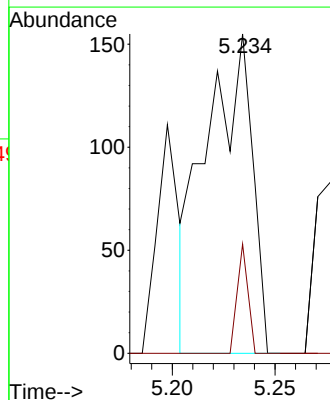
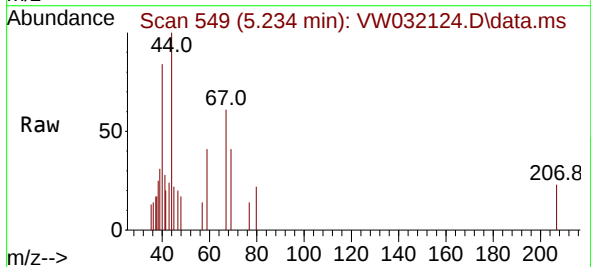
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

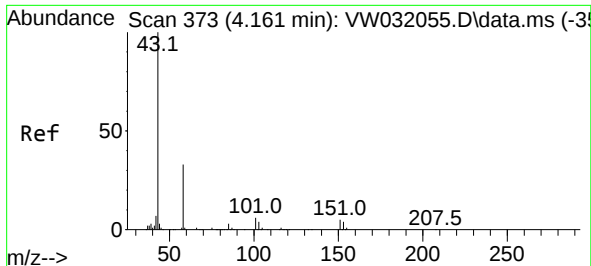
Tgt Ion:168 Resp: 192591
Ion Ratio Lower Upper
168 100
99 59.8 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.331 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 7.9 8.7 13.1#

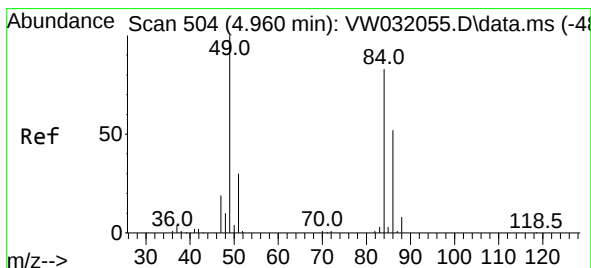
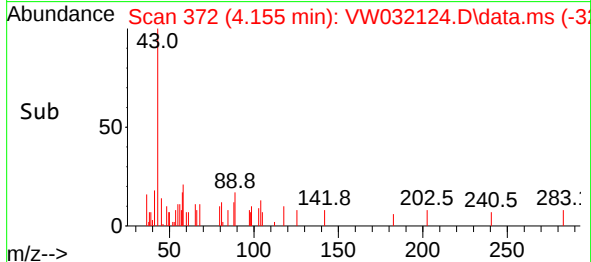
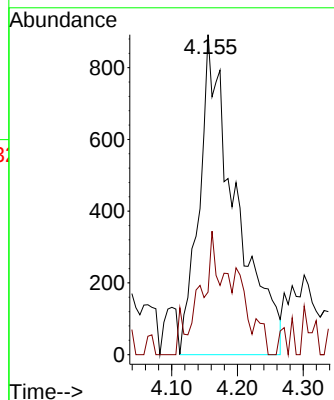
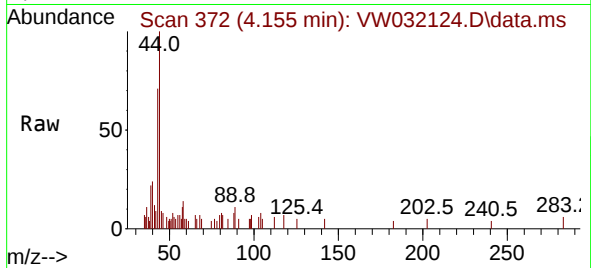




#16
Acetone
Concen: 5.275 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

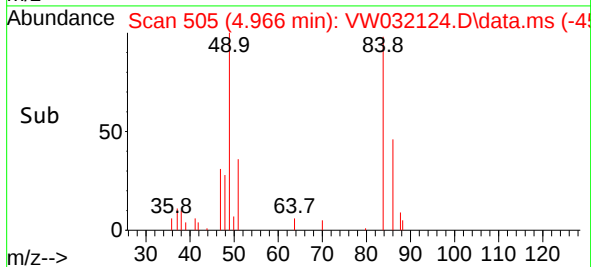
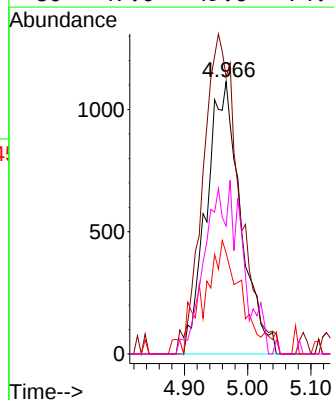
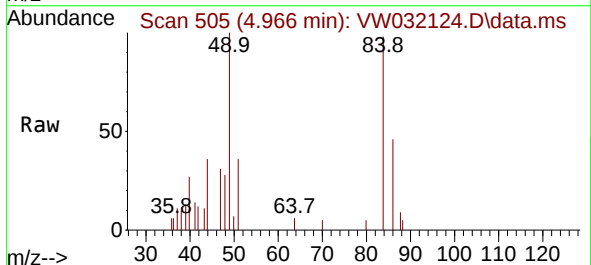
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

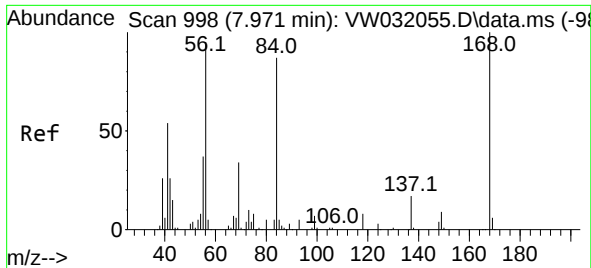
Tgt Ion: 43 Resp: 3402
Ion Ratio Lower Upper
43 100
58 12.1 26.6 39.8#



#20
Methylene Chloride
Concen: 1.400 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion: 84 Resp: 4175
Ion Ratio Lower Upper
84 100
49 101.7 95.9 143.9
51 37.1 28.6 43.0
86 47.0 49.6 74.4#

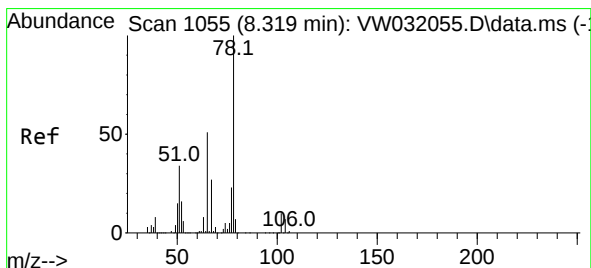
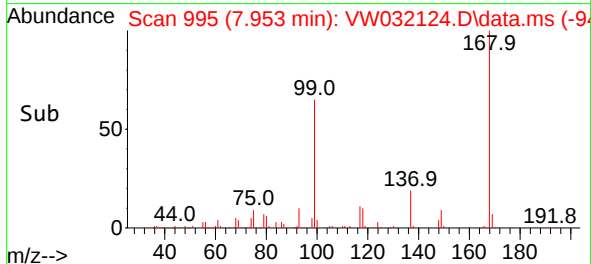
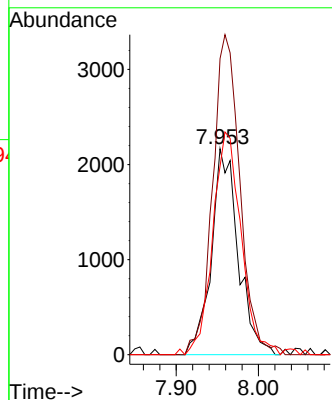
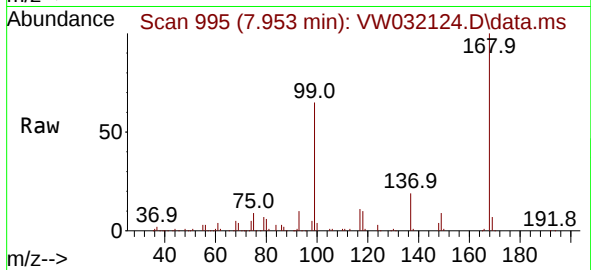




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

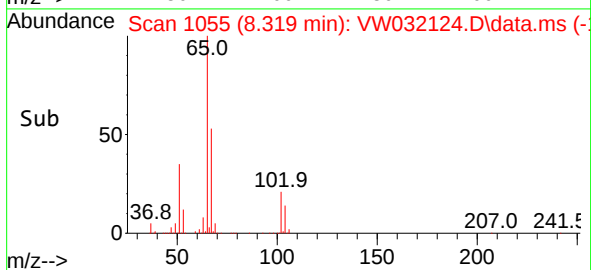
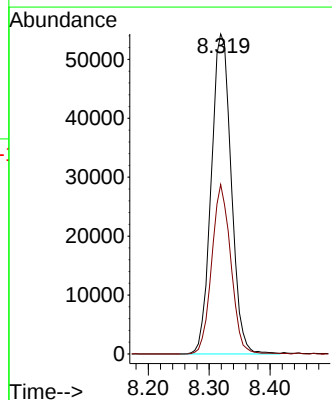
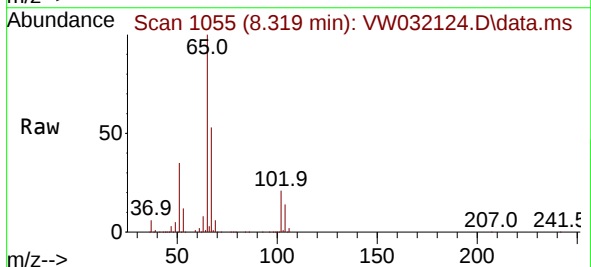
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

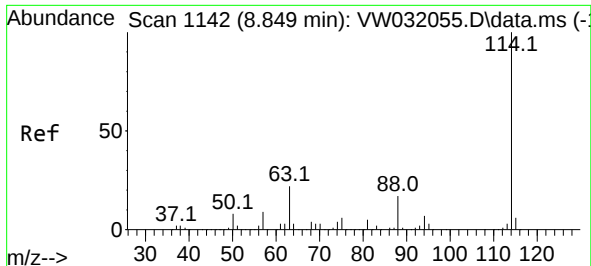
Tgt Ion: 56 Resp: 4905
Ion Ratio Lower Upper
56 100
69 143.7 28.6 42.8#
84 91.5 73.0 109.4



#33
1,2-Dichloroethane-d4
Concen: 44.405 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion: 65 Resp: 123687
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032124.D

Acq: 22 Aug 2025 20:08

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

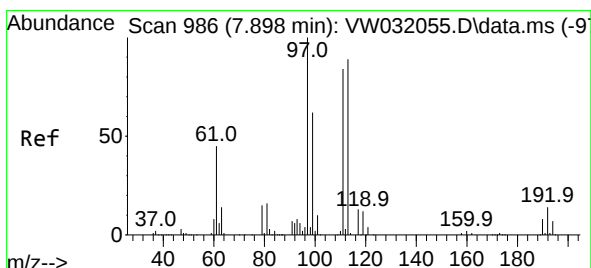
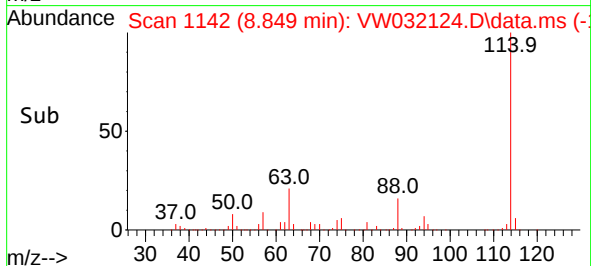
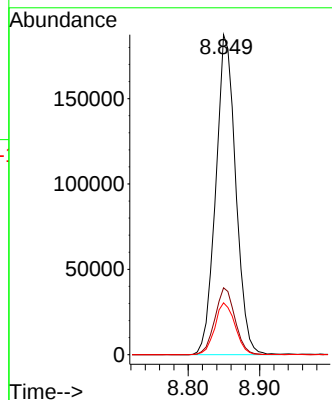
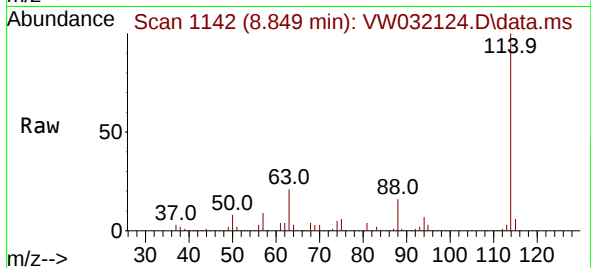
Tgt Ion:114 Resp: 363259

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

88 16.2 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.885 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032124.D

Acq: 22 Aug 2025 20:08

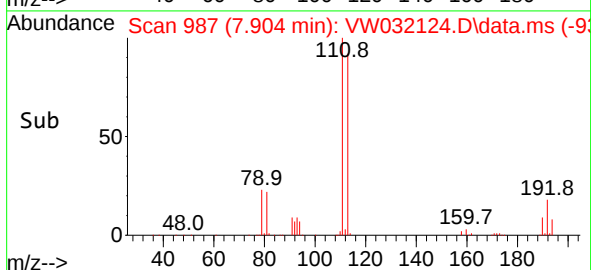
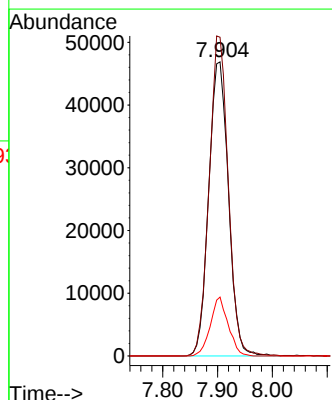
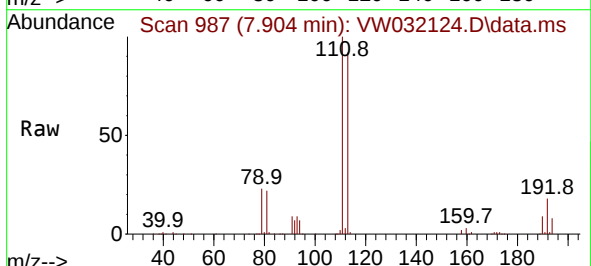
Tgt Ion:113 Resp: 117071

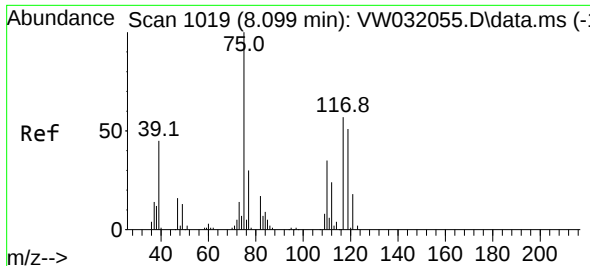
Ion Ratio Lower Upper

113 100

111 105.0 80.1 120.1

192 18.1 13.1 19.7

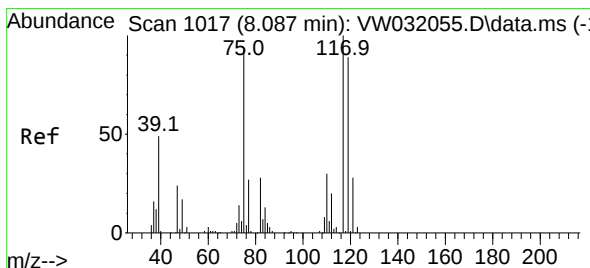
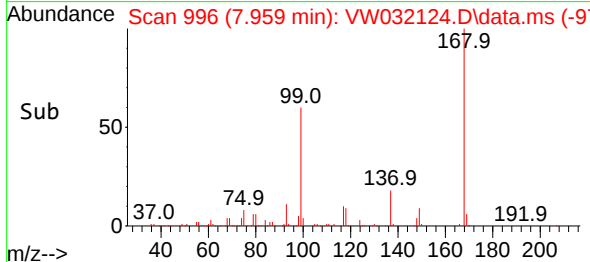
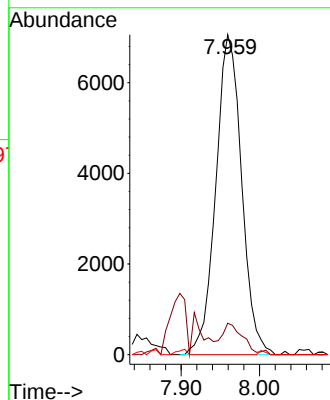
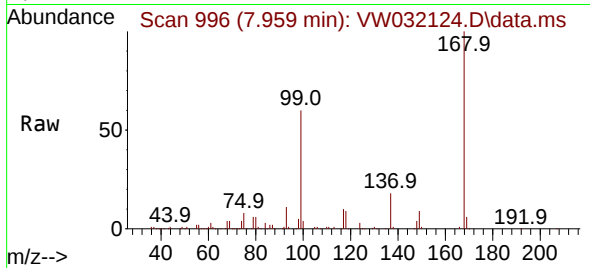




#36
1,1-Dichloropropene
Concen: 4.889 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

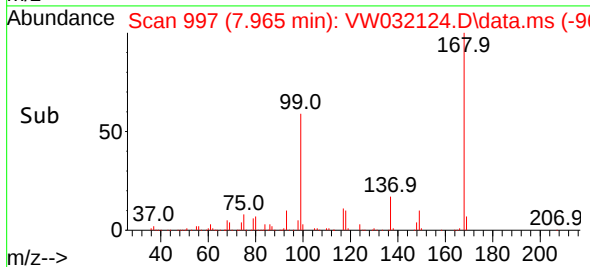
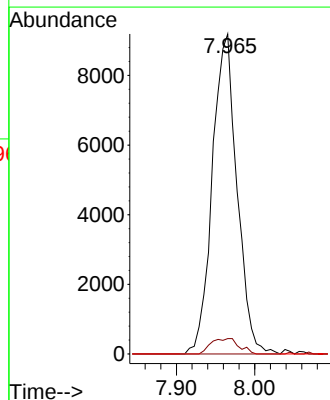
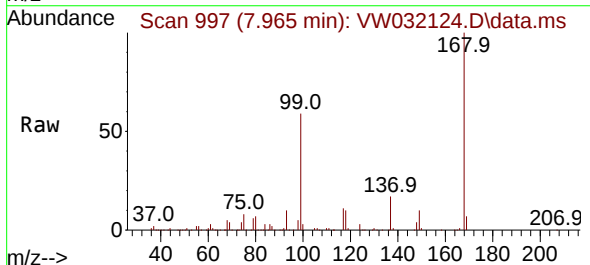
Instrument :
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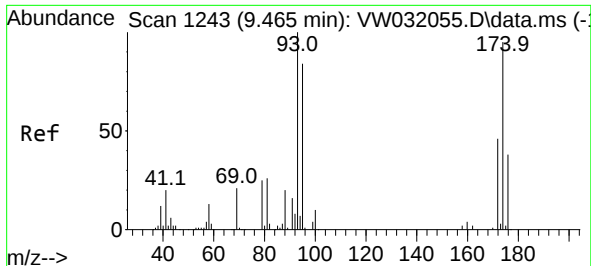
Tgt Ion: 75 Resp: 16176
Ion Ratio Lower Upper
75 100
110 8.3 17.4 52.2#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.312 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion: 117 Resp: 20151
Ion Ratio Lower Upper
117 100
119 4.8 71.4 107.2#
121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 1.254 ug/l

RT: 9.587 min Scan# 1263

Delta R.T. 0.122 min

Lab File: VW032124.D

Acq: 22 Aug 2025 20:08

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

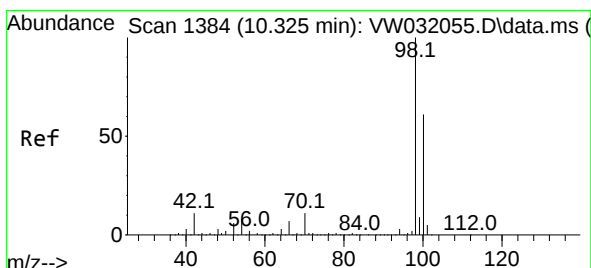
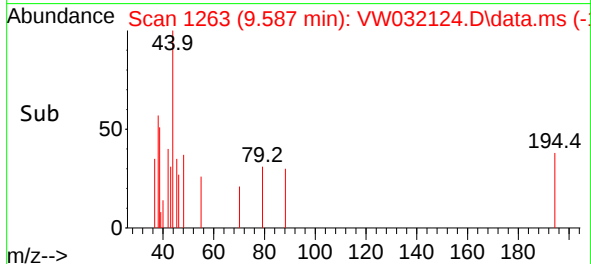
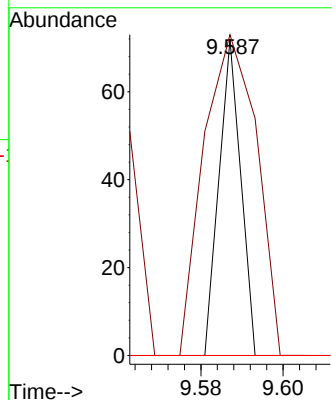
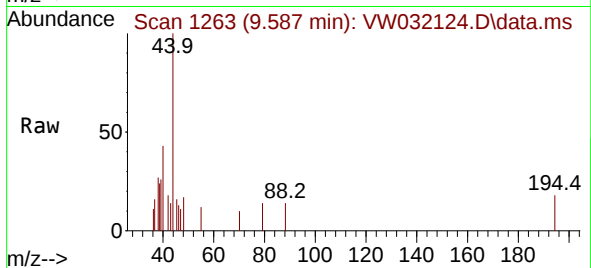
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 250.0 20.6 30.8#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 47.058 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032124.D

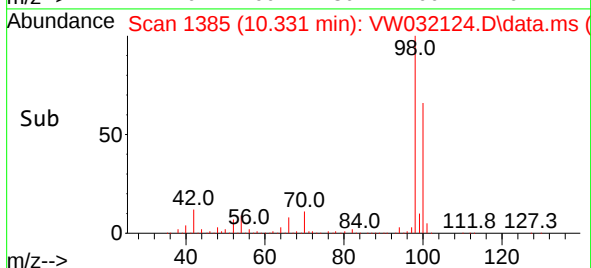
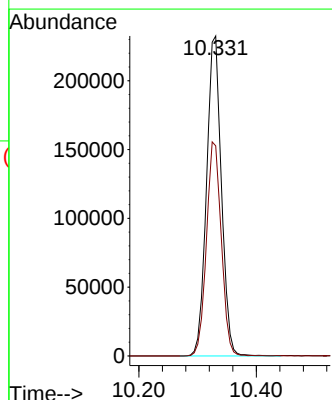
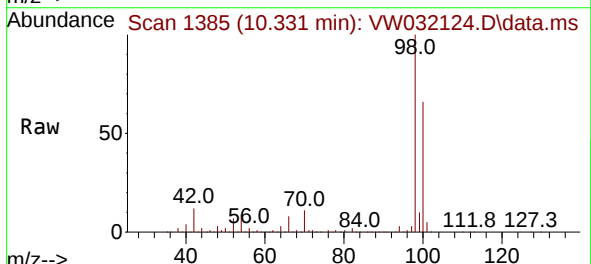
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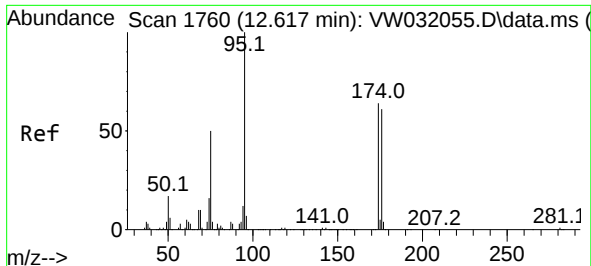
Tgt Ion: 98 Resp: 408466

Ion Ratio Lower Upper

98 100

100 66.9 51.1 76.7

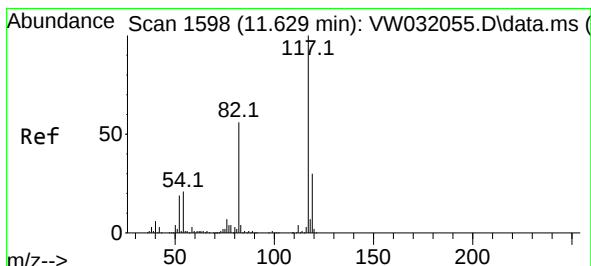
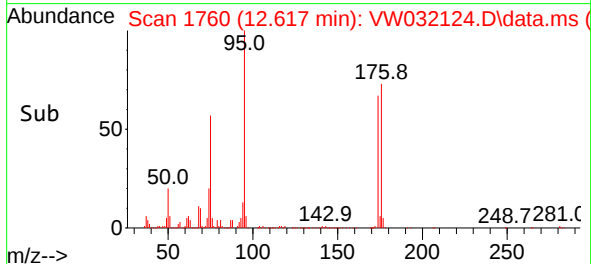
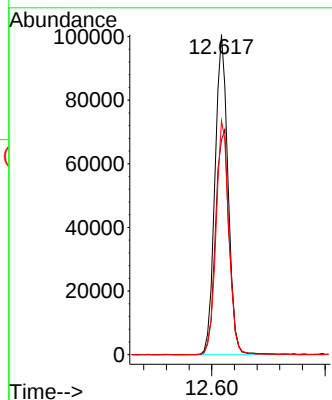
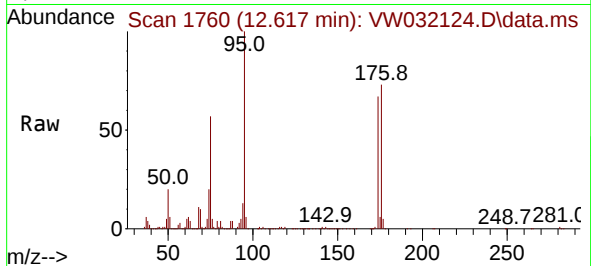




#62
4-Bromofluorobenzene
Concen: 50.129 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

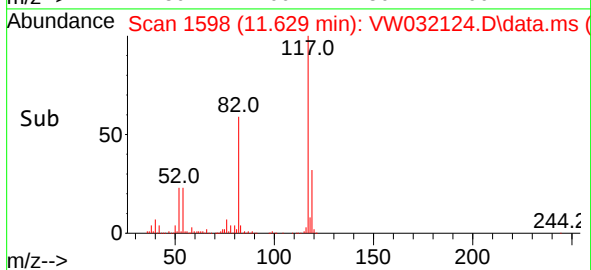
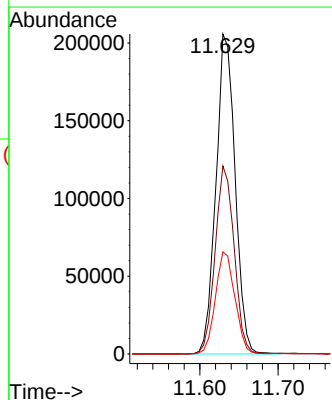
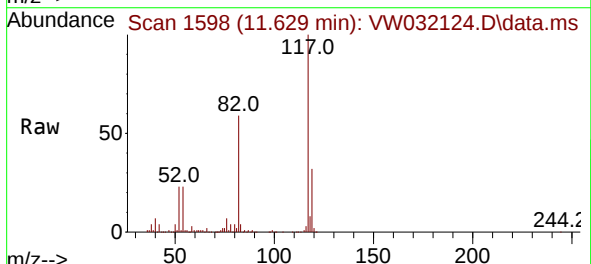
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

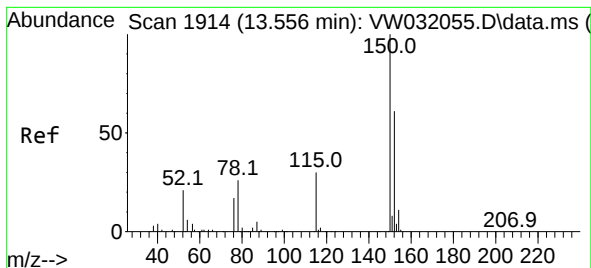
Tgt Ion: 95 Resp: 160351
Ion Ratio Lower Upper
95 100
174 73.4 0.0 129.0
176 71.5 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032124.D
Acq: 22 Aug 2025 20:08

Tgt Ion:117 Resp: 350733
Ion Ratio Lower Upper
117 100
82 58.8 45.0 67.4
119 31.9 24.2 36.4

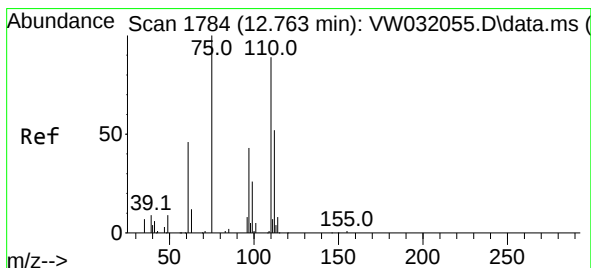
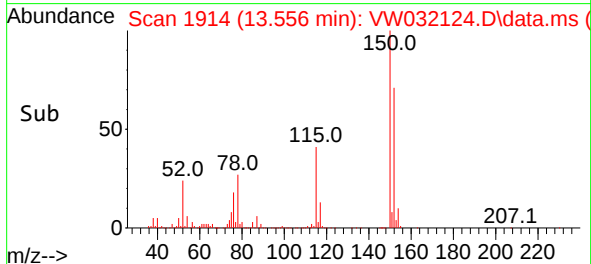
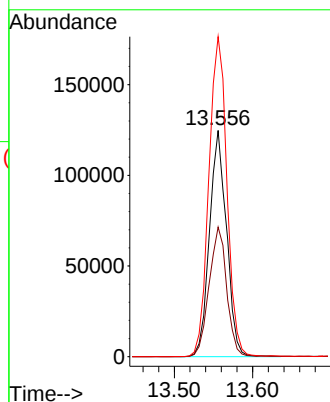
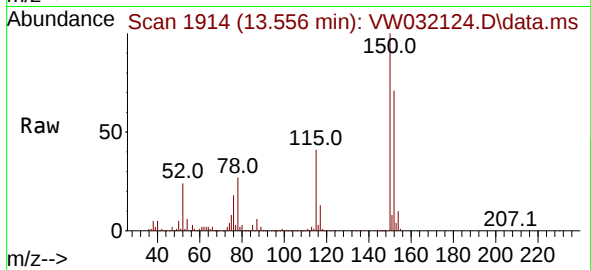




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032124.D
 Acq: 22 Aug 2025 20:08

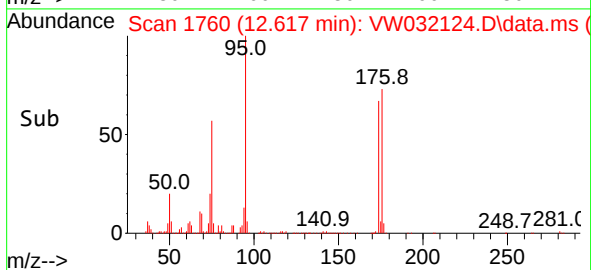
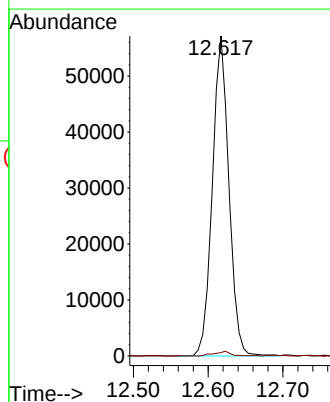
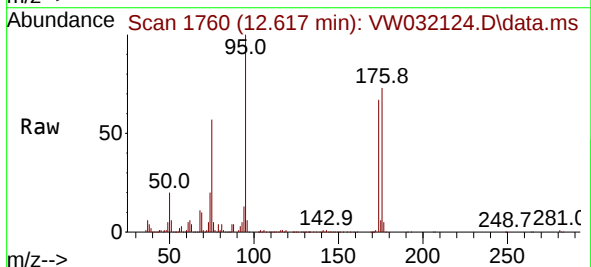
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

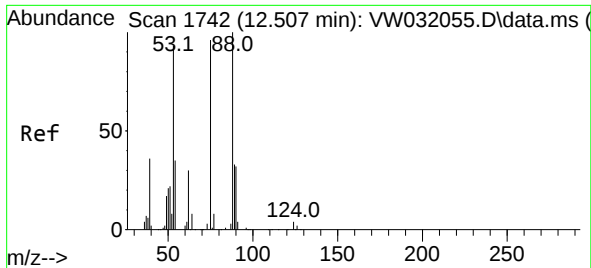
Tgt Ion:152 Resp: 188482
 Ion Ratio Lower Upper
 152 100
 115 59.2 32.6 97.8
 150 149.7 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 34.388 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032124.D
 Acq: 22 Aug 2025 20:08

Tgt Ion: 75 Resp: 87969
 Ion Ratio Lower Upper
 75 100
 77 1.5 123.5 370.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.027 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032124.D
 Acq: 22 Aug 2025 20:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 87969
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.6#
 89 0.0 37.3 55.9#

