

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032104.D
 Acq On : 14 Aug 2025 19:10
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 18 03:57:48 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	7.965	168	146914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	306015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	300203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	146891	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	117449	55.276	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.560%
35) Dibromofluoromethane	7.904	113	107445	54.348	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.700%
50) Toluene-d8	10.331	98	369110	50.478	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.617	95	126664	47.005	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.020%

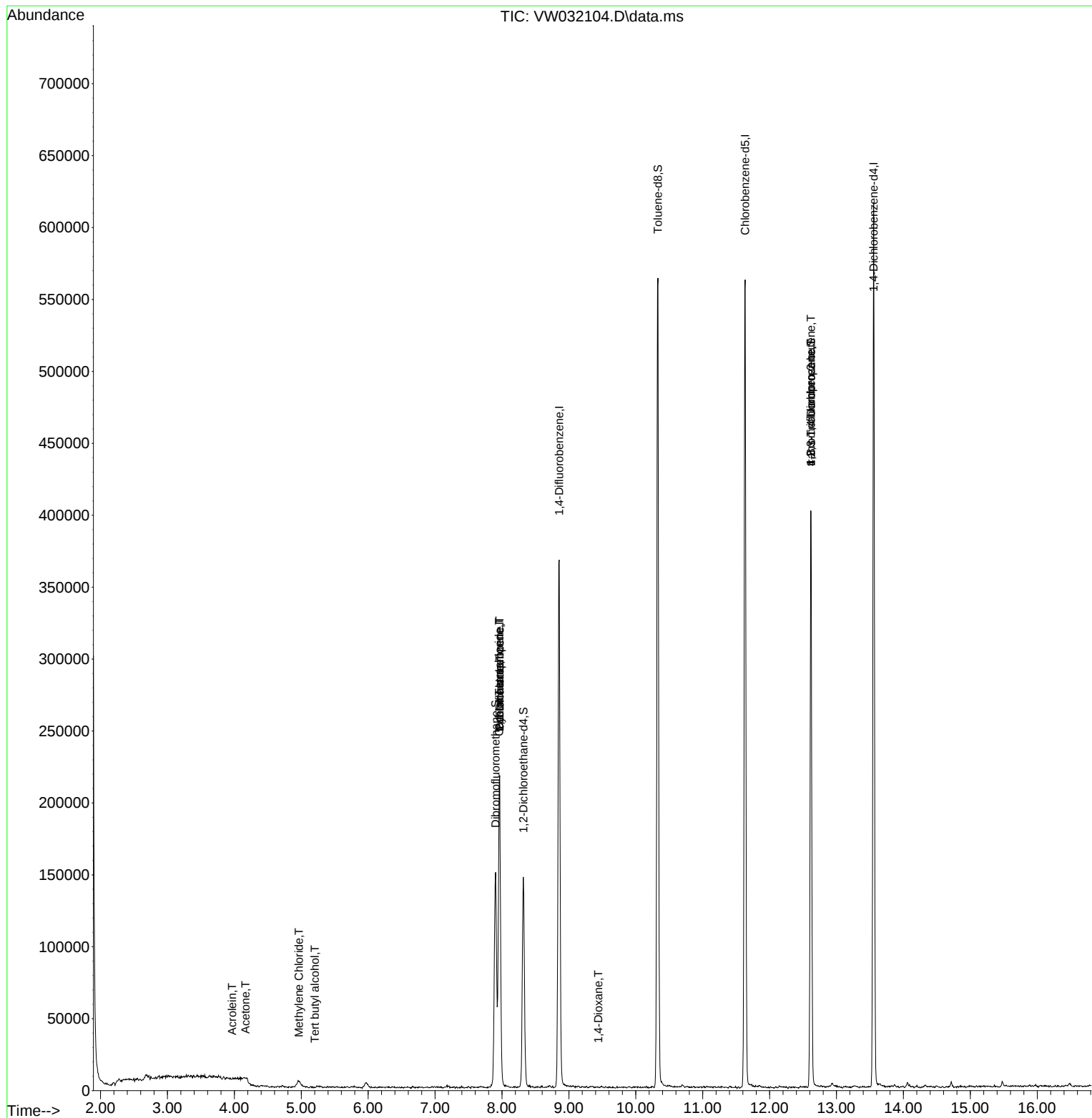
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.203	59	163	1.185	ug/l #	71
13) Acrolein	3.966	56	228	1.040	ug/l #	38
16) Acetone	4.167	43	3219	6.543	ug/l	95
20) Methylene Chloride	4.966	84	4399	1.934	ug/l #	88
31) Cyclohexane	7.965	56	4565	1.508	ug/l #	54
36) 1,1-Dichloropropene	7.965	75	14094	5.057	ug/l #	51
38) Carbon Tetrachloride	7.959	117	16870	6.272	ug/l #	20
49) 1,4-Dioxane	9.440	88	21	1.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	73069	36.651	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	73069	94.885	ug/l #	9

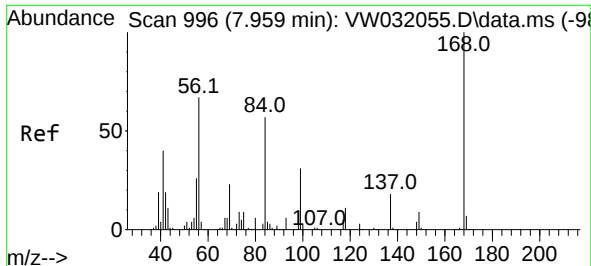
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

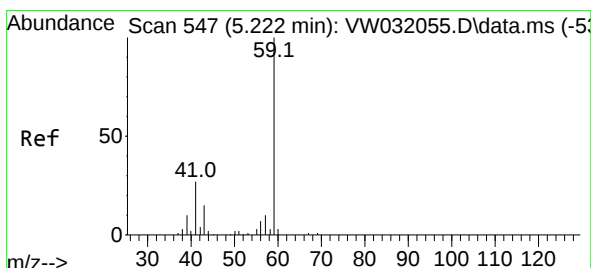
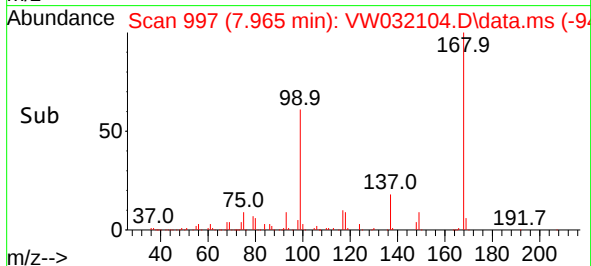
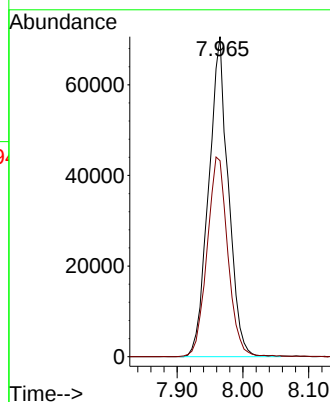
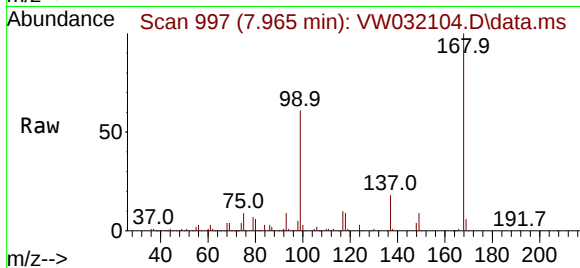




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

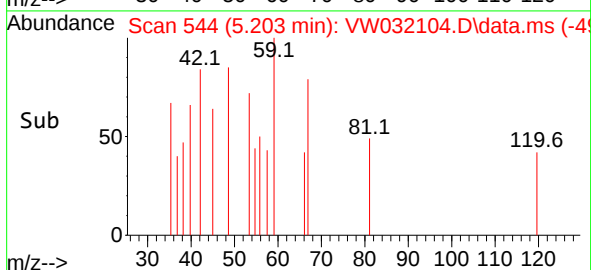
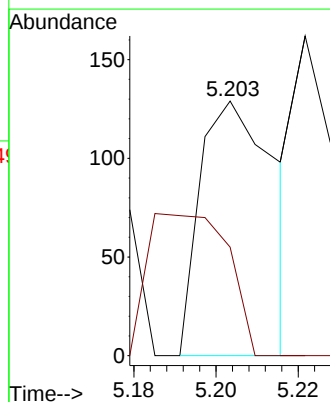
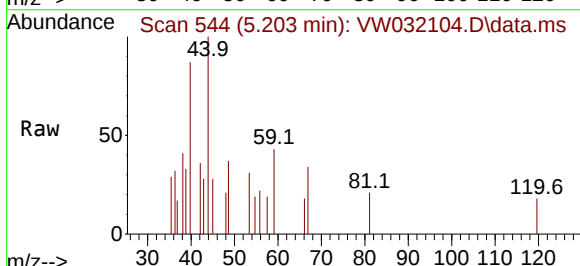
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

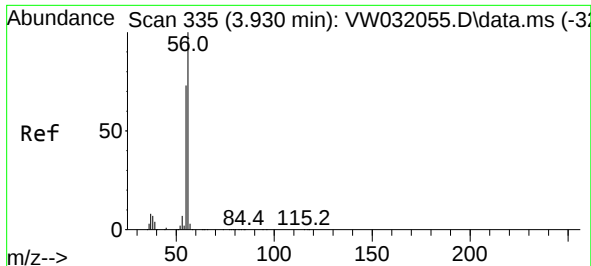
Tgt Ion:168 Resp: 146914
Ion Ratio Lower Upper
168 100
99 61.2 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.185 ug/l
RT: 5.203 min Scan# 544
Delta R.T. -0.019 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

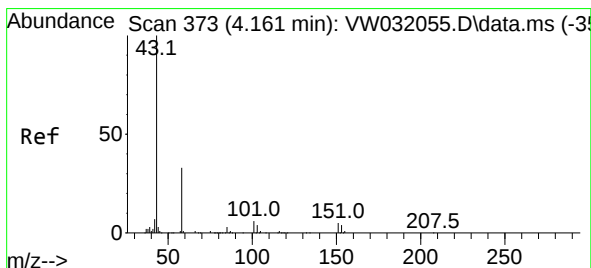
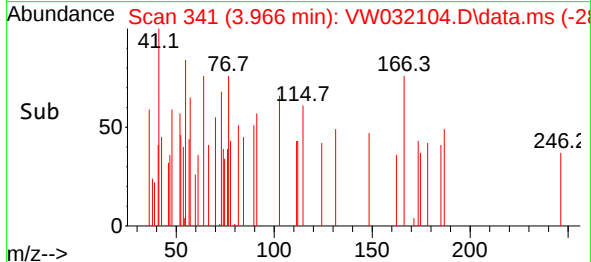
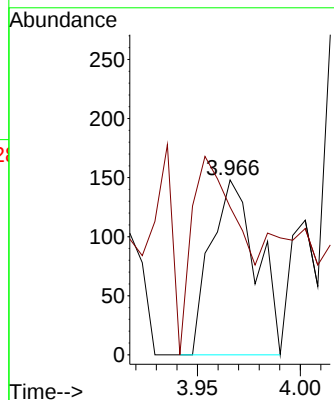
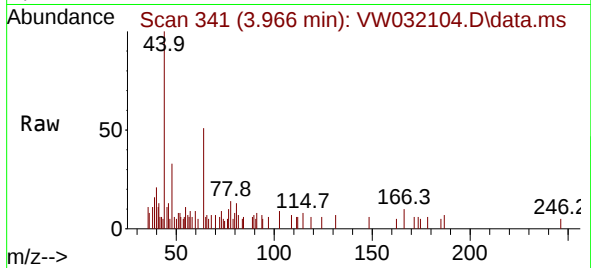




#13
Acrolein
Concen: 1.040 ug/l
RT: 3.966 min Scan# 341
Delta R.T. 0.036 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

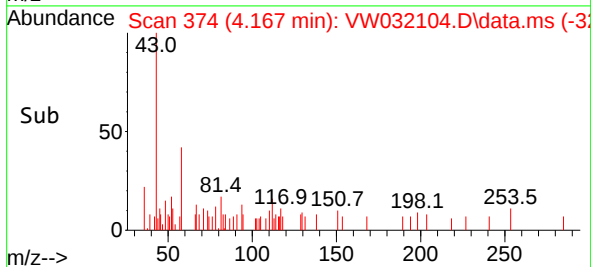
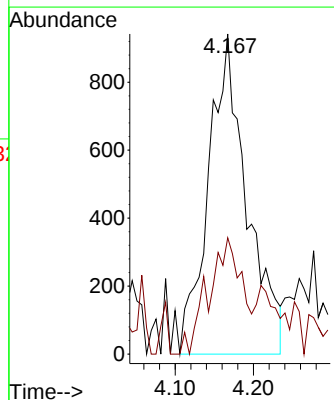
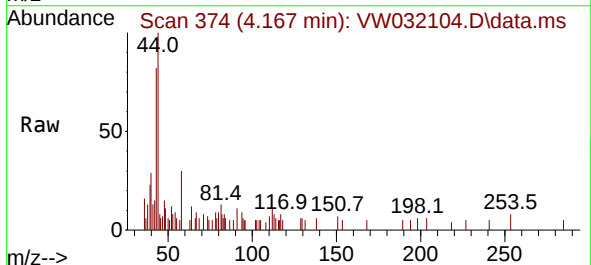
Instrument :
MSVOA_W
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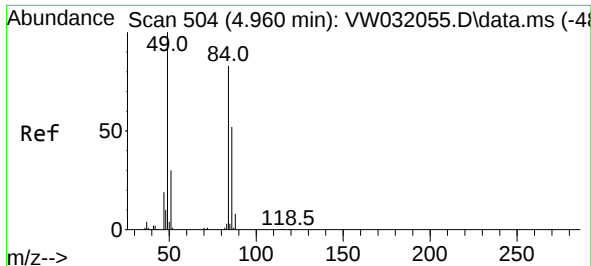
Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 120.2 55.4 83.2#



#16
Acetone
Concen: 6.543 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

Tgt Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
58 36.3 26.6 39.8

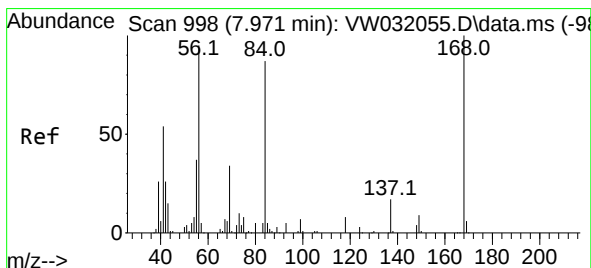
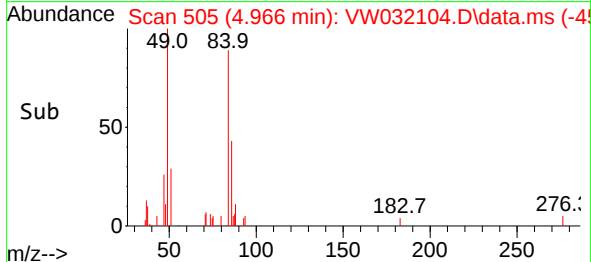
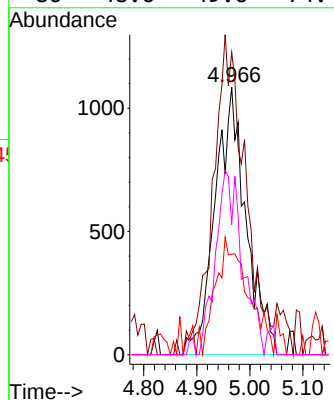
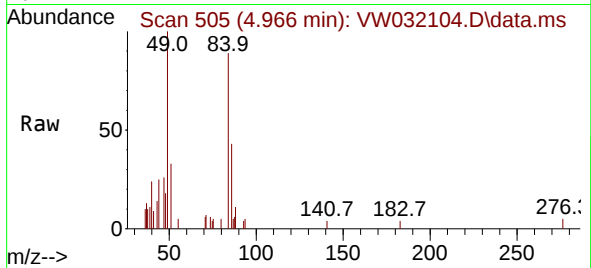




#20
Methylene Chloride
Concen: 1.934 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

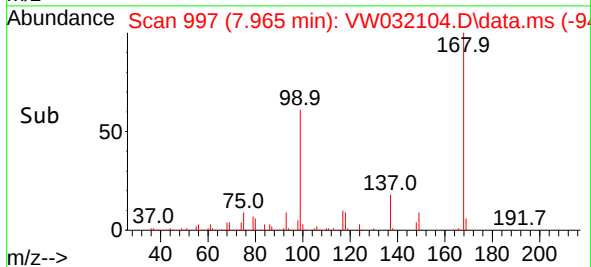
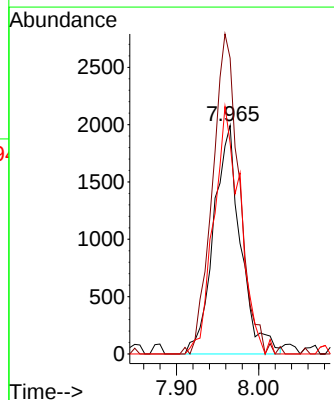
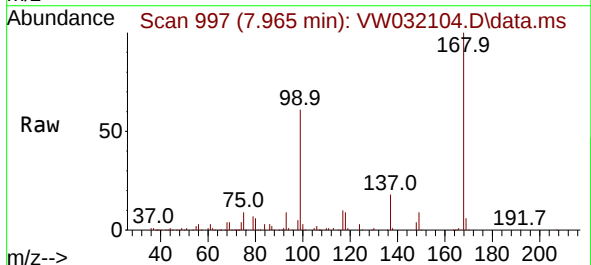
Instrument :
MSVOA_W
ClientSampleId :
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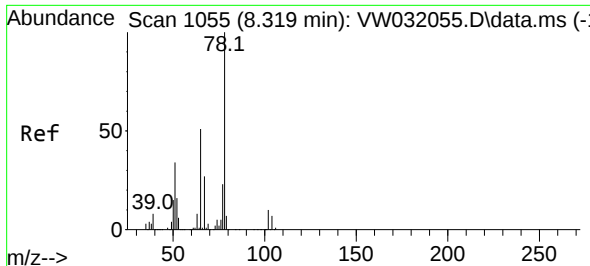
Tgt Ion:	84	Resp:	4399
Ion	Ratio	Lower	Upper
84	100		
49	113.0	95.9	143.9
51	23.7	28.6	43.0#
86	48.6	49.6	74.4#



#31
Cyclohexane
Concen: 1.508 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

Tgt Ion:	56	Resp:	4565
Ion	Ratio	Lower	Upper
56	100		
69	129.5	28.6	42.8#
84	92.4	73.0	109.4

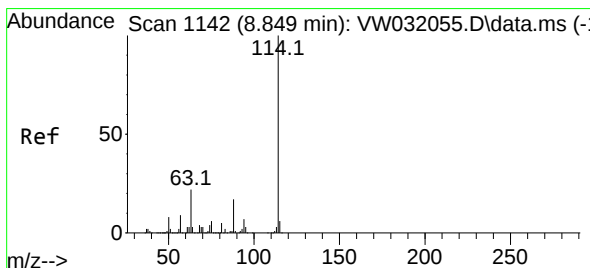
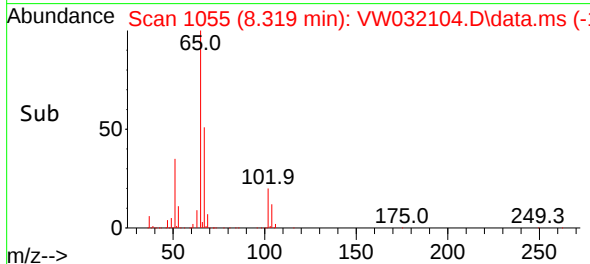
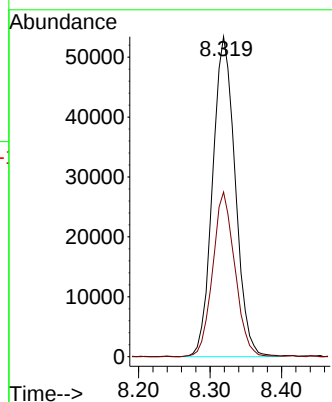
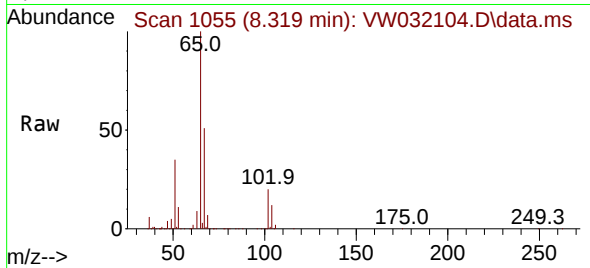




#33
 1,2-Dichloroethane-d4
 Concen: 55.276 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032104.D
 Acq: 14 Aug 2025 19:10

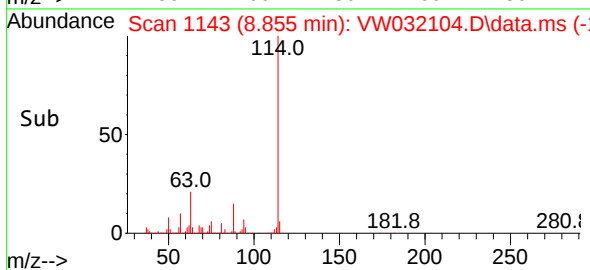
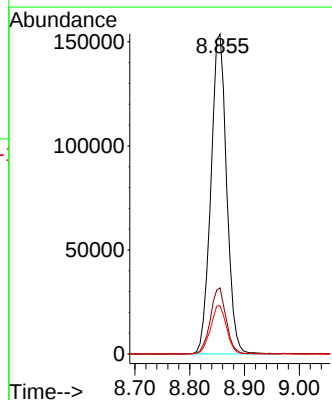
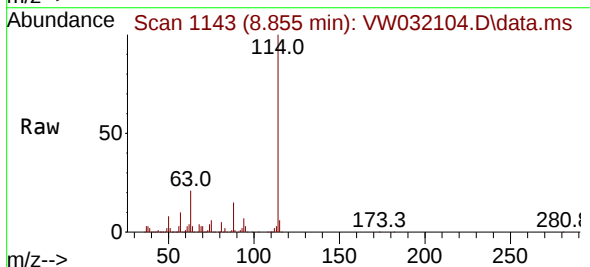
Instrument :
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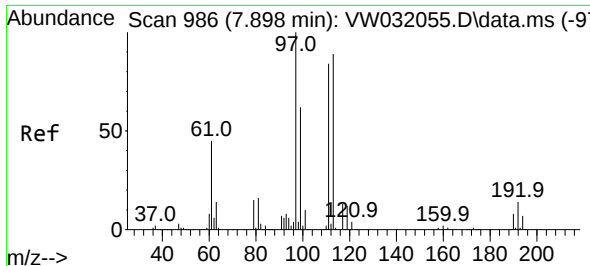
Tgt Ion: 65 Resp: 117449
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032104.D
 Acq: 14 Aug 2025 19:10

Tgt Ion: 114 Resp: 306015
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.0
 88 15.1 0.0 33.8

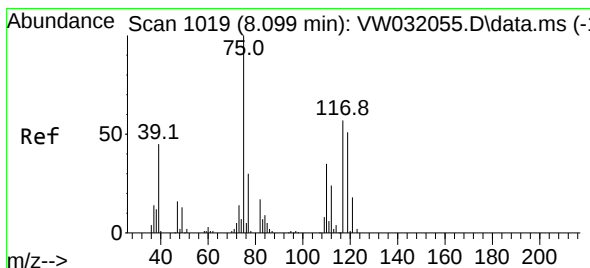
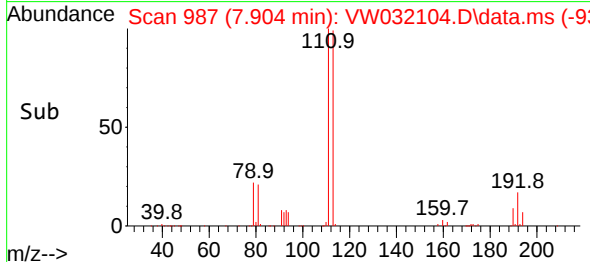
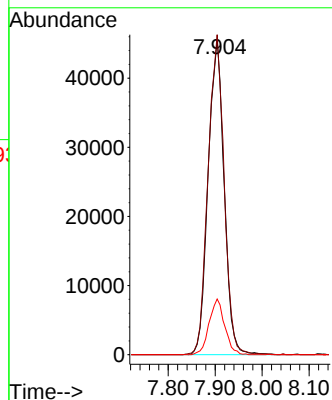
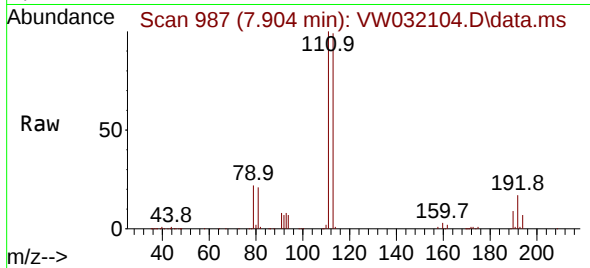




#35
 Dibromofluoromethane
 Concen: 54.348 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.006 min
 Lab File: VW032104.D
 Acq: 14 Aug 2025 19:10

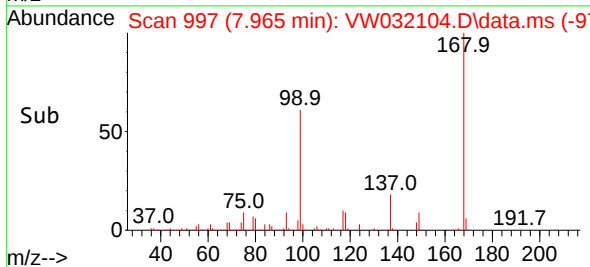
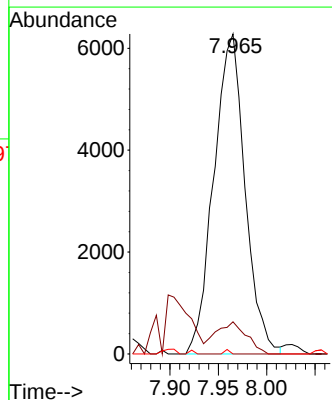
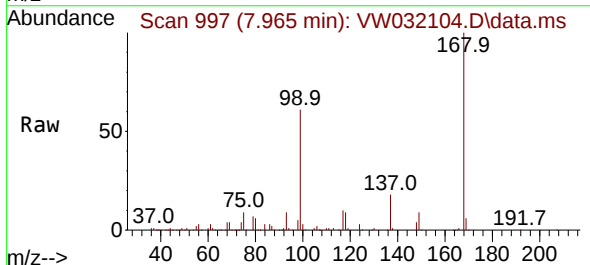
Instrument :
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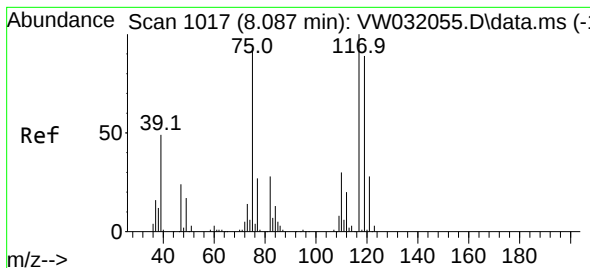
Tgt Ion:113 Resp: 107445
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.1 120.1
 192 17.2 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.057 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032104.D
 Acq: 14 Aug 2025 19:10

Tgt Ion: 75 Resp: 14094
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.4 52.2#
 77 0.2 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.272 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032104.D

Acq: 14 Aug 2025 19:10

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

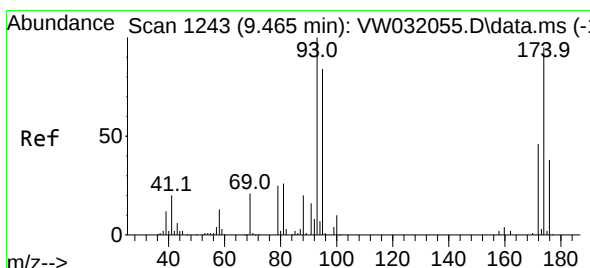
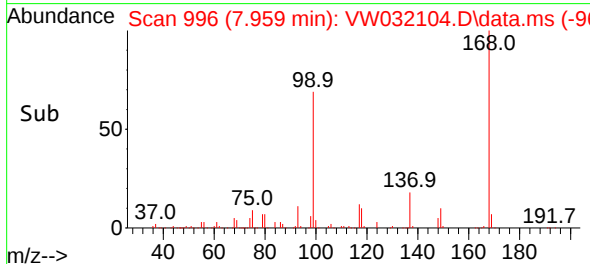
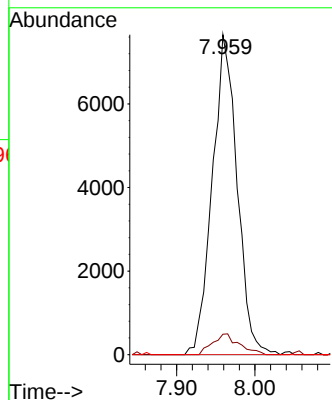
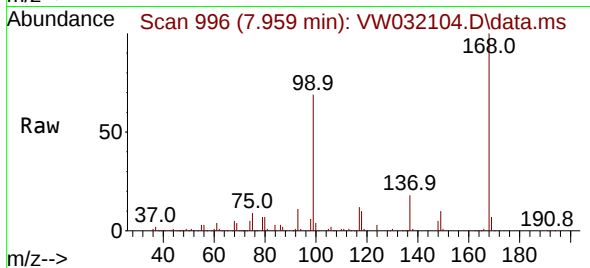
Tgt Ion:117 Resp: 16870

Ion Ratio Lower Upper

117 100

119 6.4 71.4 107.2#

121 0.0 22.3 33.5#



#49

1,4-Dioxane

Concen: 1.202 ug/l

RT: 9.440 min Scan# 1239

Delta R.T. -0.025 min

Lab File: VW032104.D

Acq: 14 Aug 2025 19:10

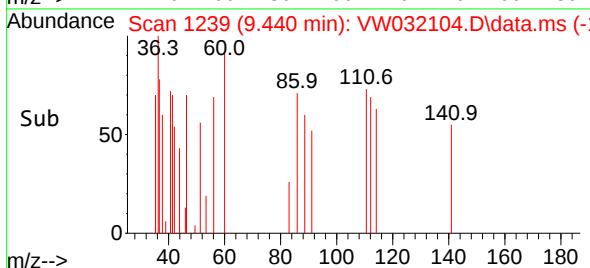
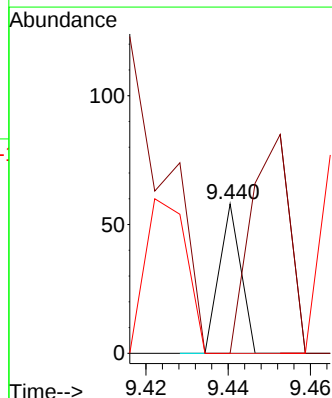
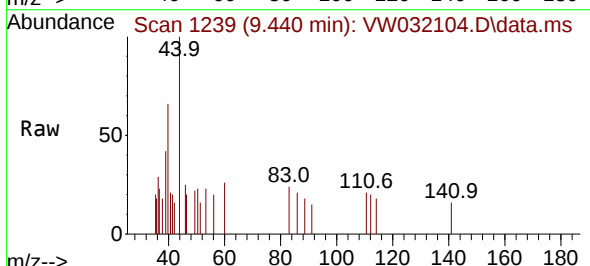
Tgt Ion: 88 Resp: 21

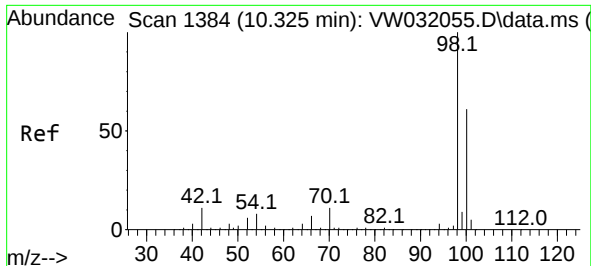
Ion Ratio Lower Upper

88 100

43 261.9 20.6 30.8#

58 0.0 60.4 90.6#

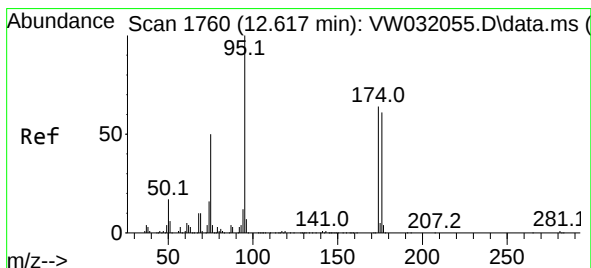
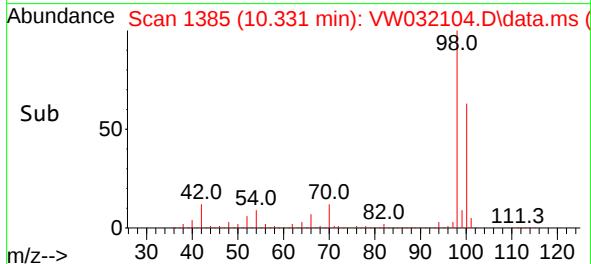
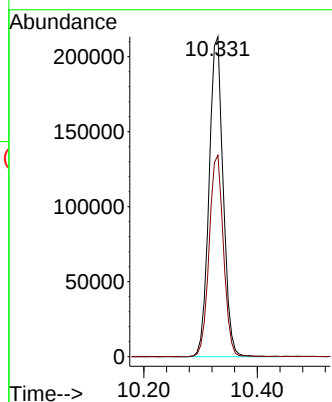
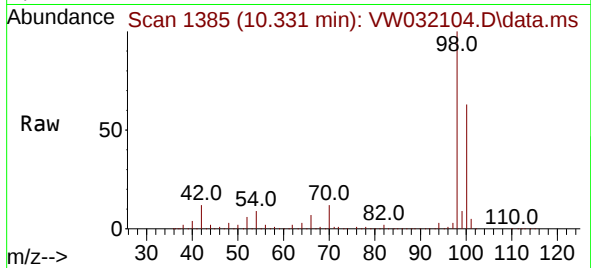




#50
Toluene-d8
Concen: 50.478 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

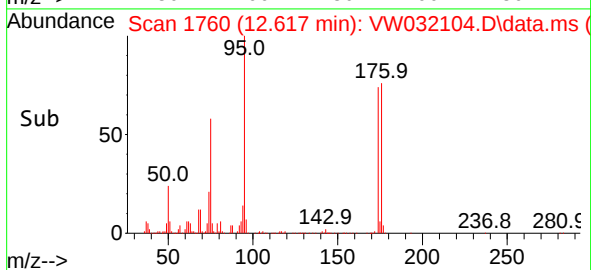
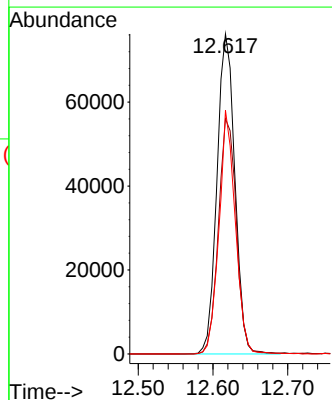
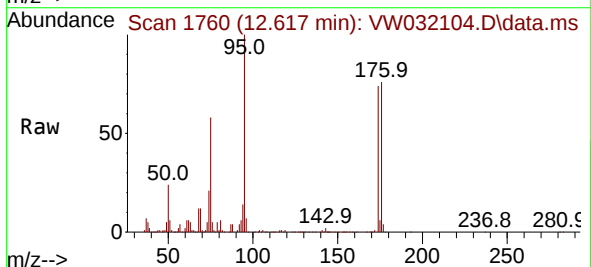
Instrument :
MSVOA_W
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VIBLK

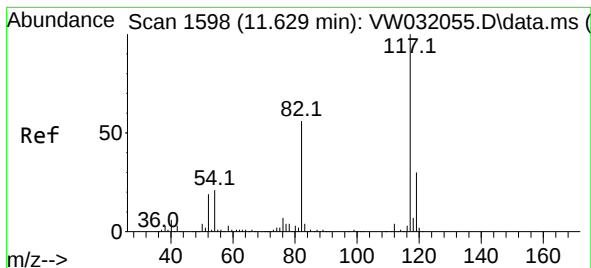
Tgt Ion: 98 Resp: 369110
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 47.005 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

Tgt Ion: 95 Resp: 126664
Ion Ratio Lower Upper
95 100
174 73.9 0.0 129.0
176 69.6 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032104.D

Acq: 14 Aug 2025 19:10

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

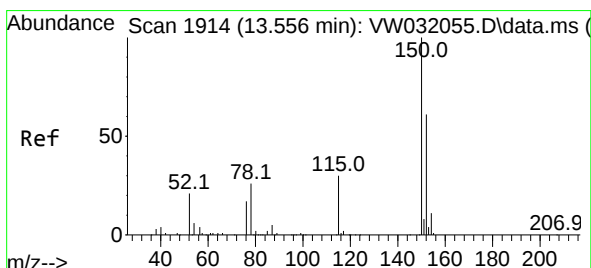
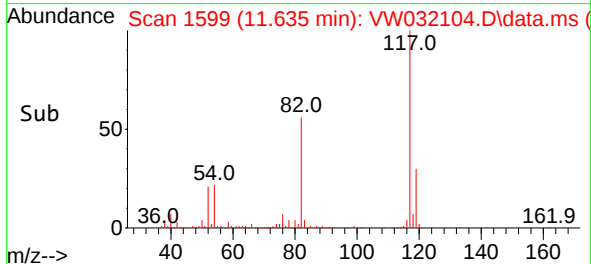
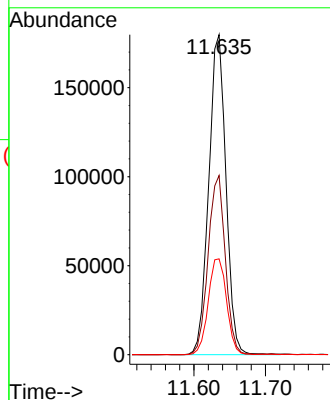
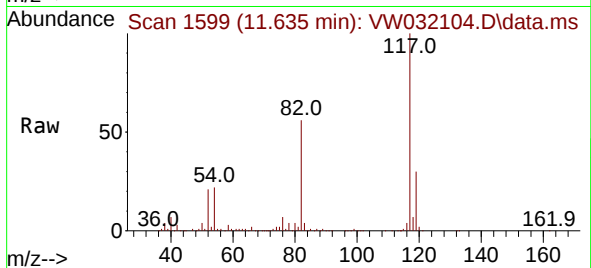
Tgt Ion:117 Resp: 300203

Ion Ratio Lower Upper

117 100

82 56.0 45.0 67.4

119 30.0 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: VW032104.D

Acq: 14 Aug 2025 19:10

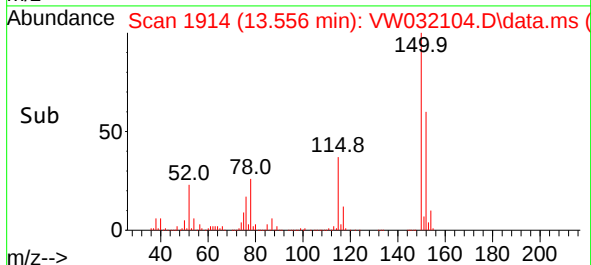
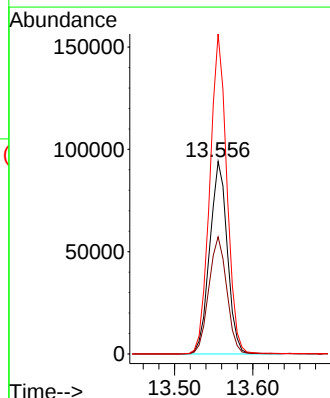
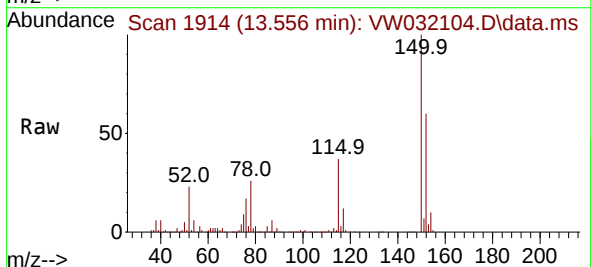
Tgt Ion:152 Resp: 146891

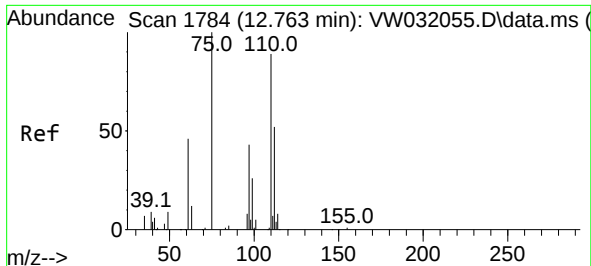
Ion Ratio Lower Upper

152 100

115 62.1 32.6 97.8

150 161.1 0.0 359.4

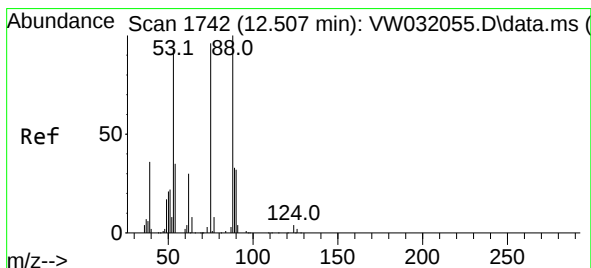
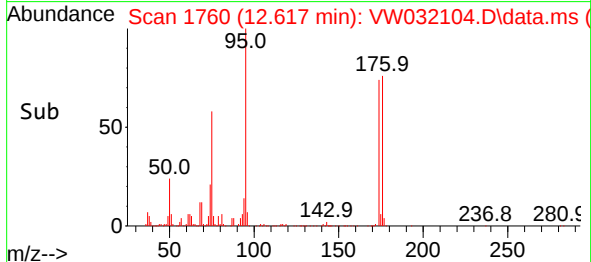
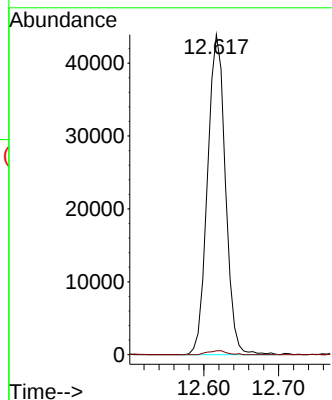
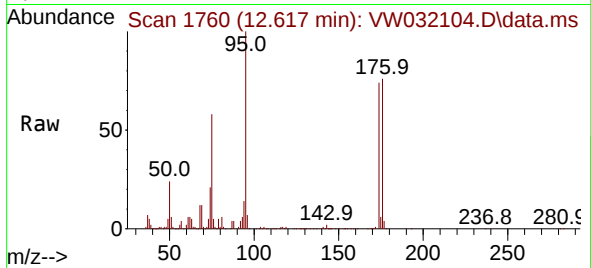




#76
1,2,3-Trichloropropane
Concen: 36.651 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 73069
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.885 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.109 min
Lab File: VW032104.D
Acq: 14 Aug 2025 19:10

Tgt Ion: 75 Resp: 73069
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.6#
89 0.1 37.3 55.9#

