

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032506.D
 Acq On : 19 Nov 2025 16:32
 Operator : SY/MD
 Sample : Q3619-14
 Misc : 6.56g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B3(13.2)

Quant Time: Nov 20 01:20:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

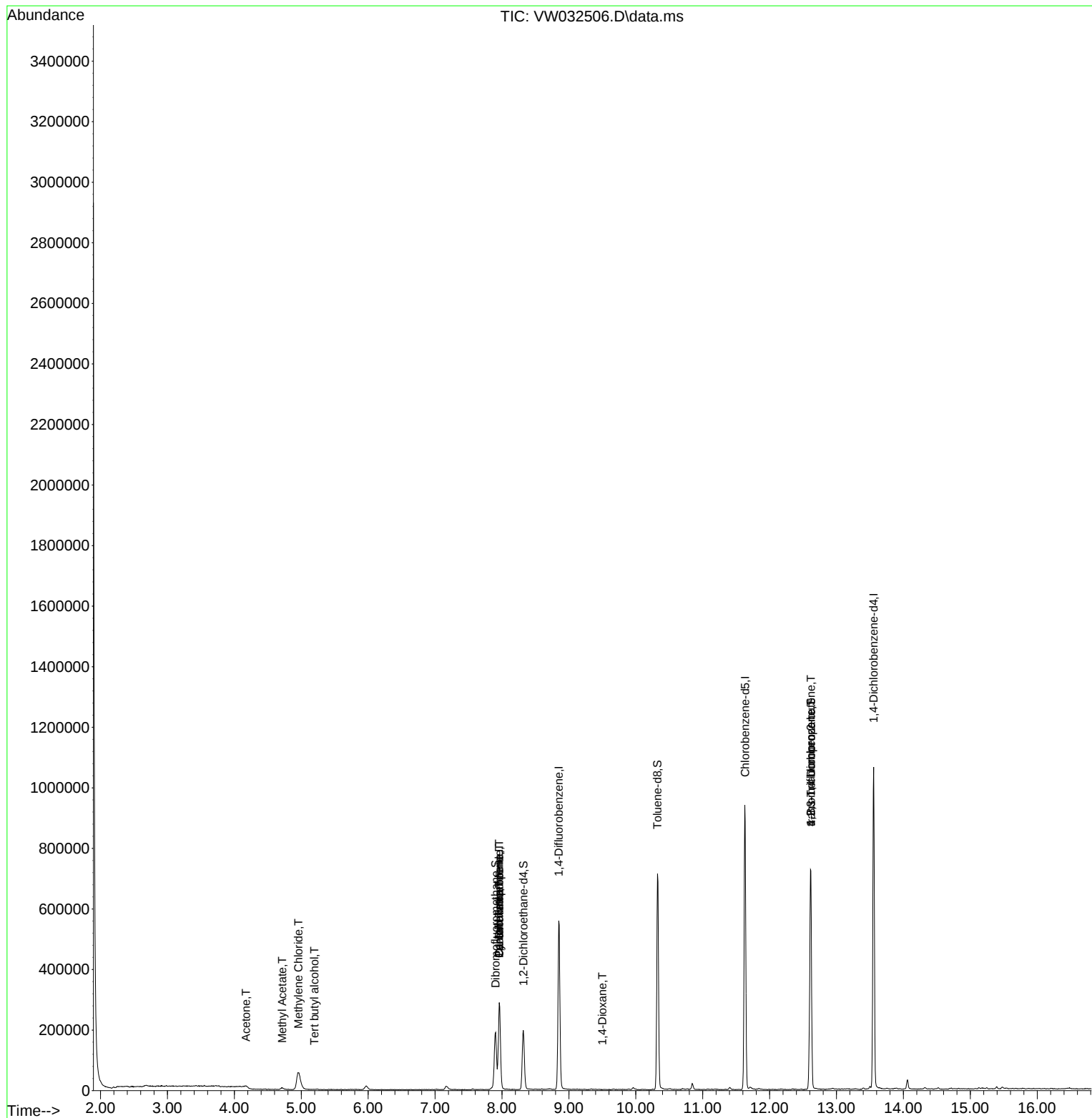
Internal Standards						
1) Pentafluorobenzene	7.959	168	193618	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	458673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	498464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	274081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157871	63.245	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 126.480%		
35) Dibromofluoromethane	7.904	113	141591	51.559	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 103.120%		
50) Toluene-d8	10.325	98	476912	45.268	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 90.540%		
62) 4-Bromofluorobenzene	12.617	95	235556	59.188	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 118.380%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.198	59	286	1.325	ug/l	# 4
16) Acetone	4.173	43	3497	4.683	ug/l	# 48
18) Methyl Acetate	4.716	43	11023	5.961	ug/l	100
20) Methylene Chloride	4.960	84	52330	19.594	ug/l	97
31) Cyclohexane	7.959	56	5181	1.255	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	17927	4.431	ug/l	# 49
38) Carbon Tetrachloride	7.959	117	21874	6.084	ug/l	# 17
49) 1,4-Dioxane	9.502	88	82	3.087	ug/l	# 10
76) 1,2,3-Trichloropropane	12.617	75	119387	31.768	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	119387	72.762	ug/l	# 12

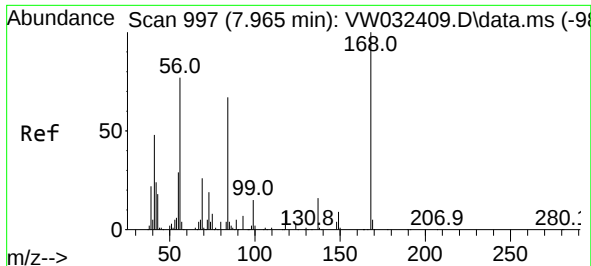
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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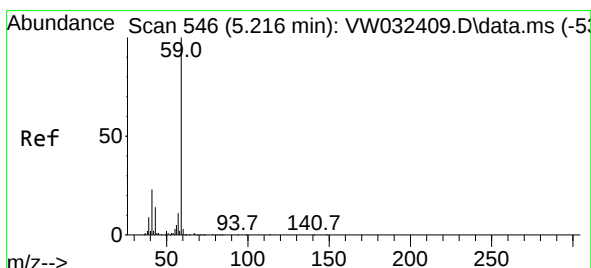
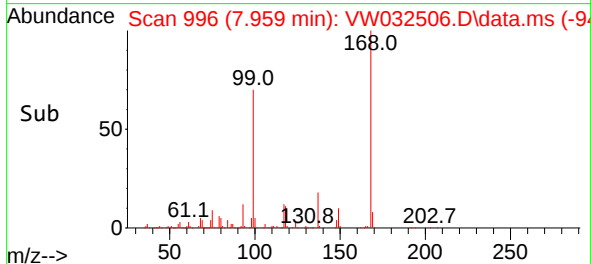
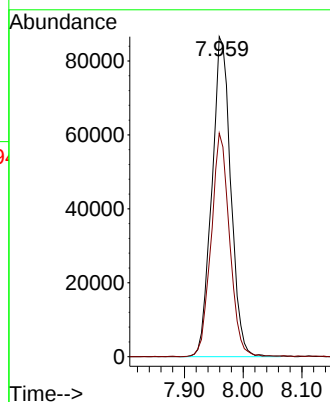
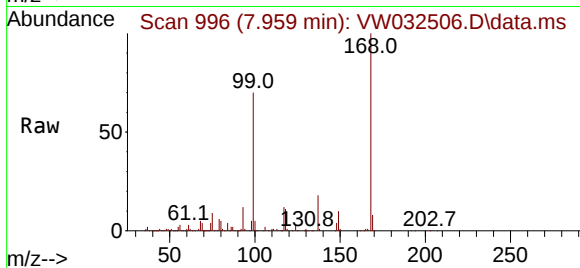




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

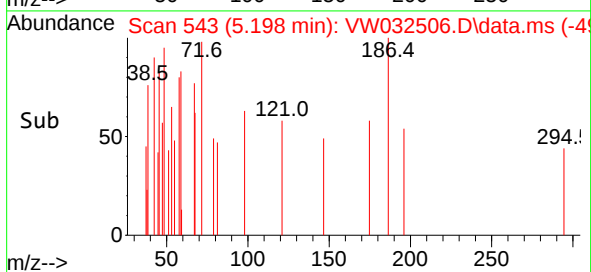
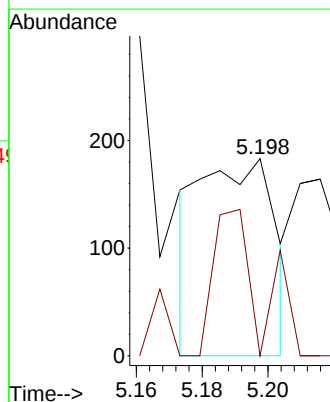
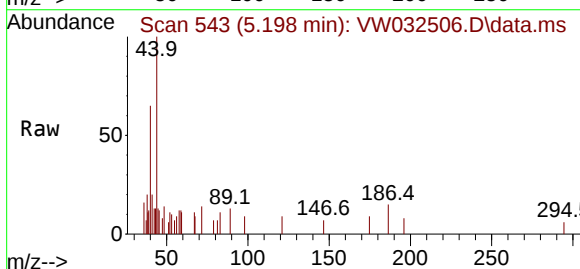
Instrument :
MSVOA_W
ClientSampleId :
GP-B3(13.2)

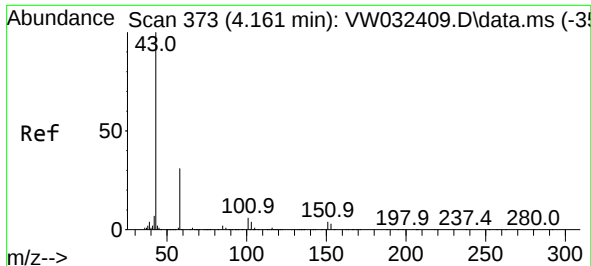
Tgt Ion:168 Resp: 193618
Ion Ratio Lower Upper
168 100
99 69.8 45.4 68.2#



#11
Tert butyl alcohol
Concen: 1.325 ug/l
RT: 5.198 min Scan# 543
Delta R.T. -0.018 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 46.9 8.6 12.8#

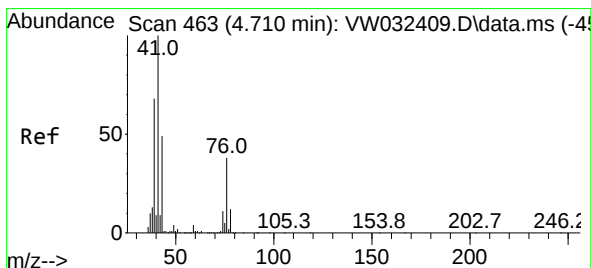
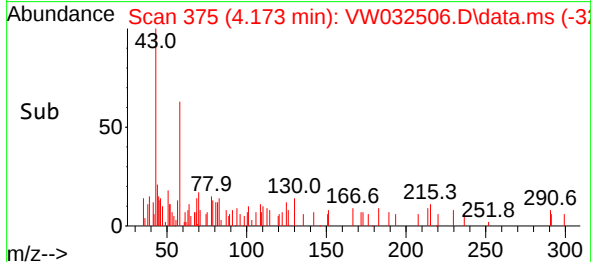
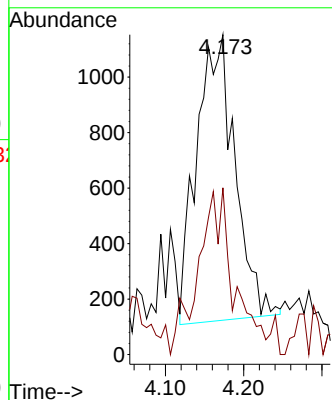
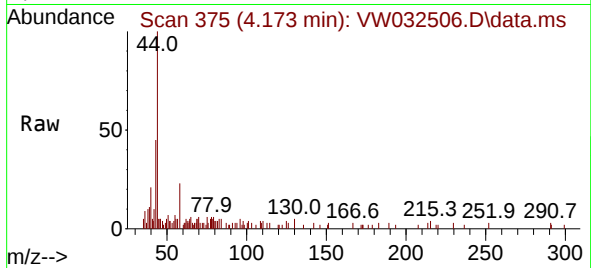




#16
Acetone
Concen: 4.683 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

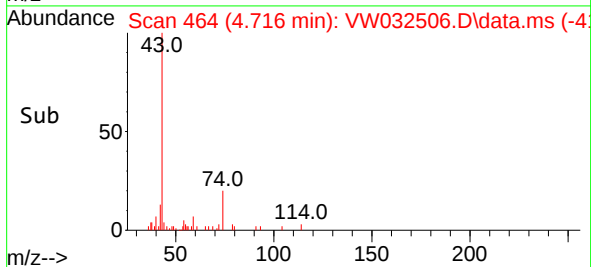
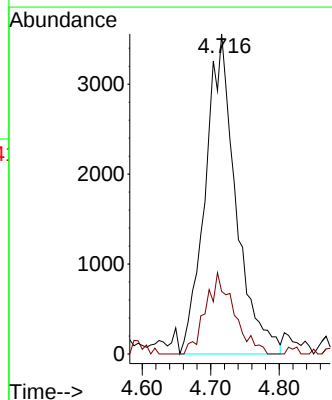
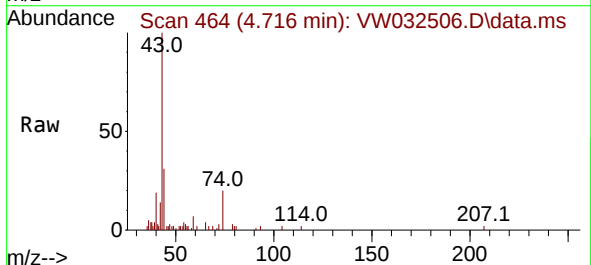
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GP-B3(13.2)

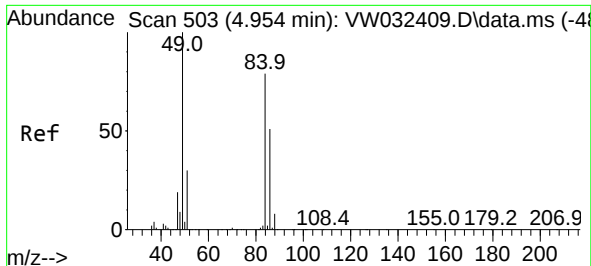
Tgt Ion: 43 Resp: 3497
Ion Ratio Lower Upper
43 100
58 59.6 24.8 37.2#



#18
Methyl Acetate
Concen: 5.961 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion: 43 Resp: 11023
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3

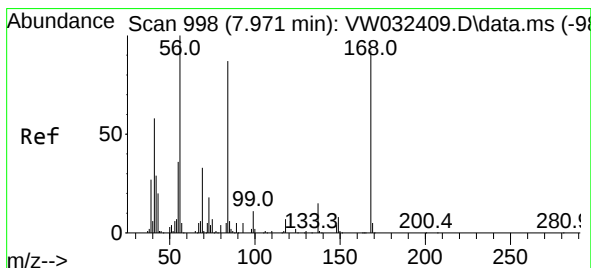
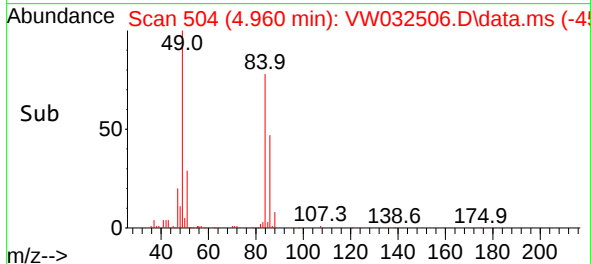
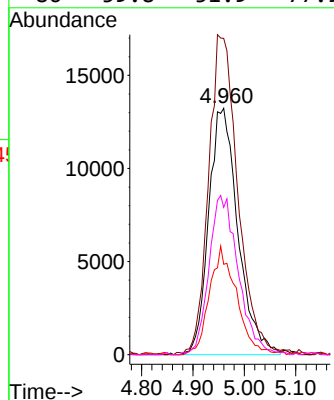
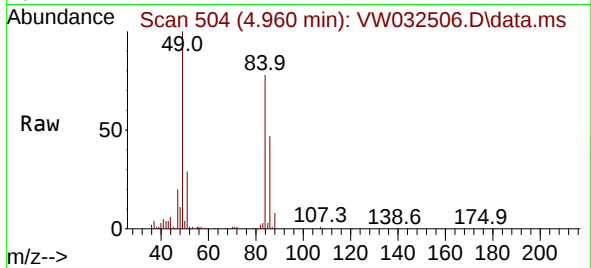




#20
Methylene Chloride
Concen: 19.594 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

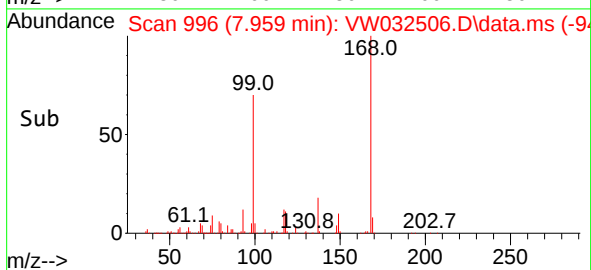
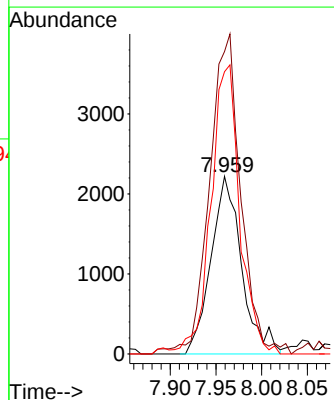
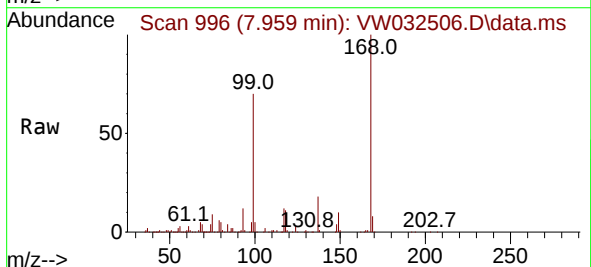
Instrument :
MSVOA_W
ClientSampleId :
GP-B3(13.2)

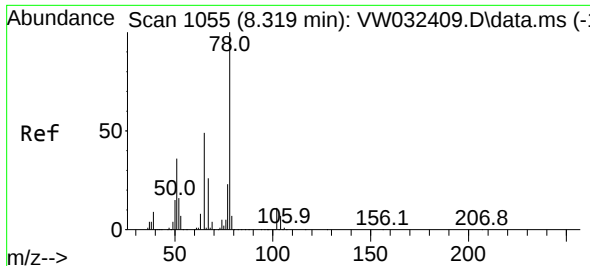
Tgt Ion:	84	Resp:	52330
Ion	Ratio	Lower	Upper
84	100		
49	127.5	101.5	152.3
51	36.7	30.6	46.0
86	59.8	51.9	77.9



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion:	56	Resp:	5181
Ion	Ratio	Lower	Upper
56	100		
69	170.1	26.5	39.7#
84	158.9	69.6	104.4#

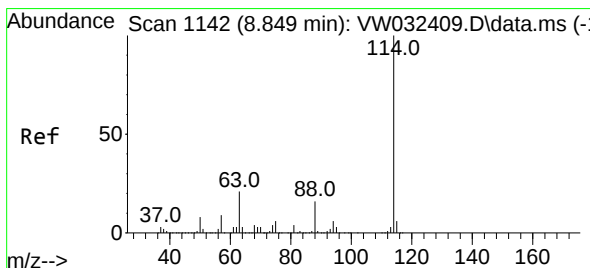
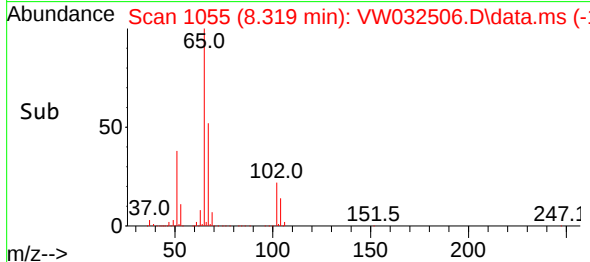
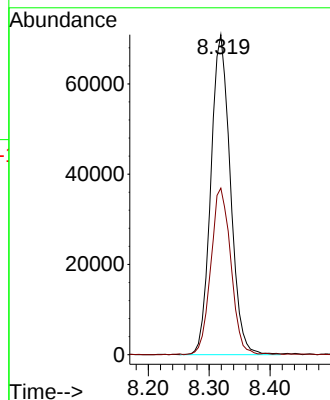
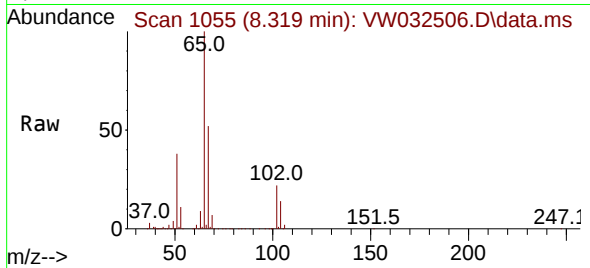




#33
 1,2-Dichloroethane-d4
 Concen: 63.245 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032506.D
 Acq: 19 Nov 2025 16:32

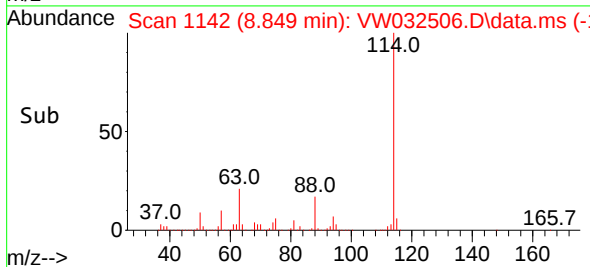
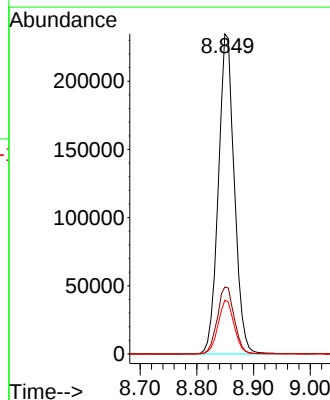
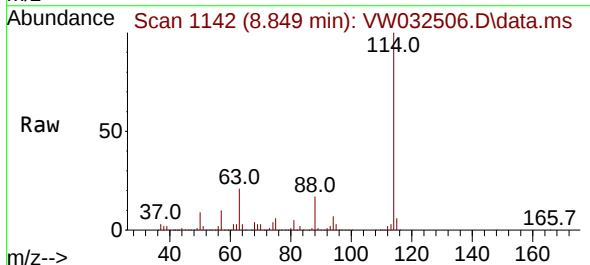
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 GP-B3(13.2)

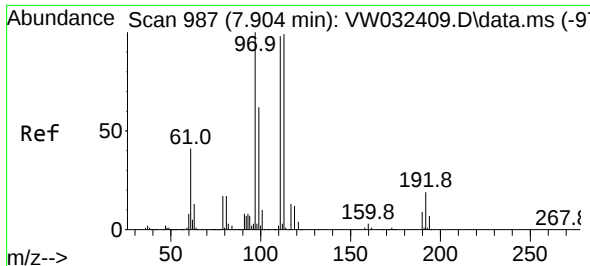
Tgt Ion: 65 Resp: 157871
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032506.D
 Acq: 19 Nov 2025 16:32

Tgt Ion: 114 Resp: 458673
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 16.8 0.0 32.6

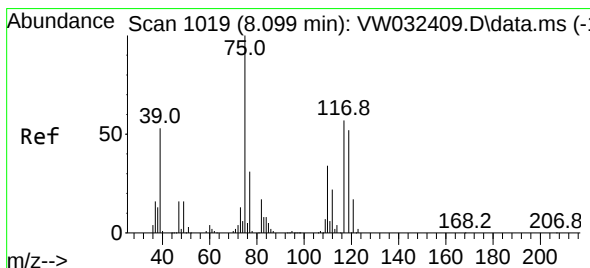
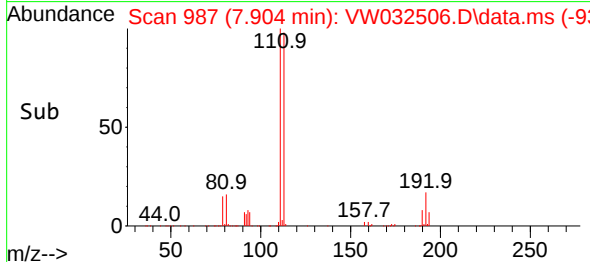
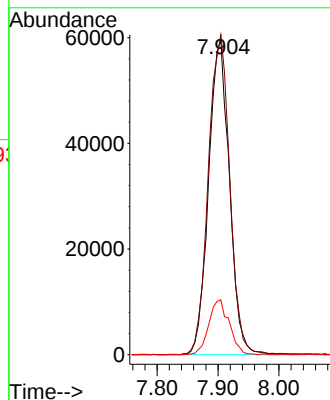
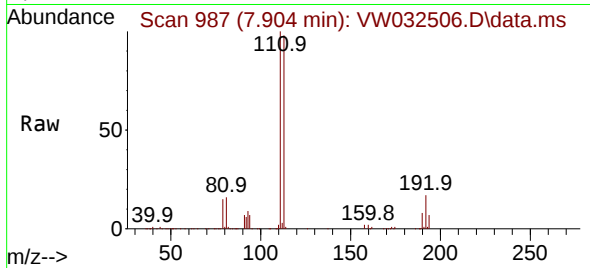




#35
Dibromofluoromethane
Concen: 51.559 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

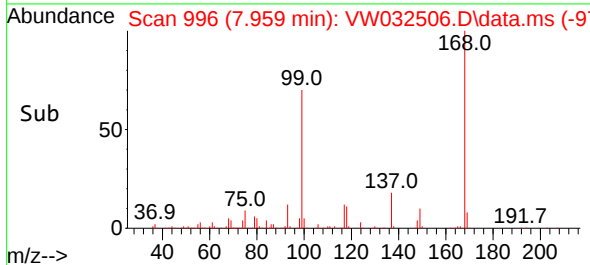
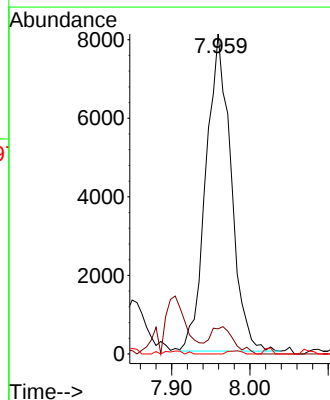
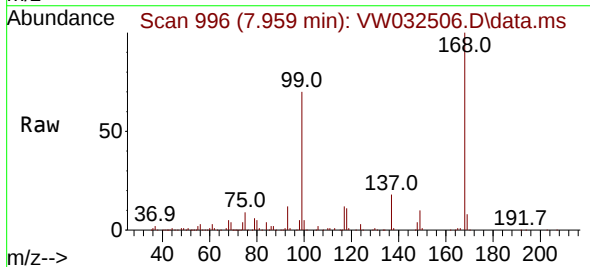
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ClientSampleId :
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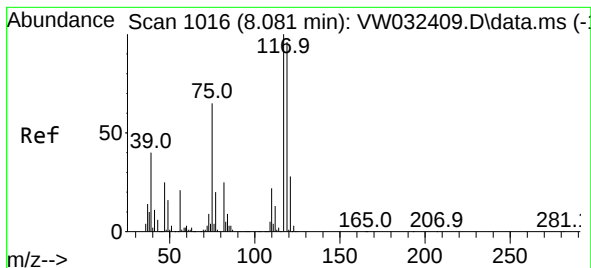
Tgt Ion:113 Resp: 141591
Ion Ratio Lower Upper
113 100
111 104.7 83.1 124.7
192 17.1 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.431 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion: 75 Resp: 17927
Ion Ratio Lower Upper
75 100
110 7.9 17.2 51.5#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032506.D

Acq: 19 Nov 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

GP-B3(13.2)

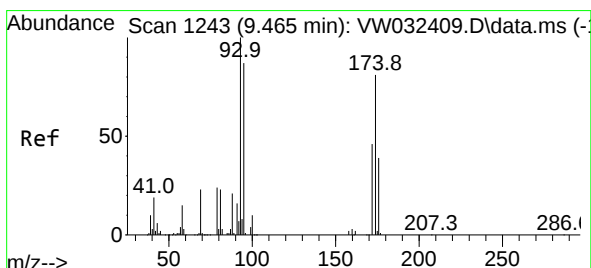
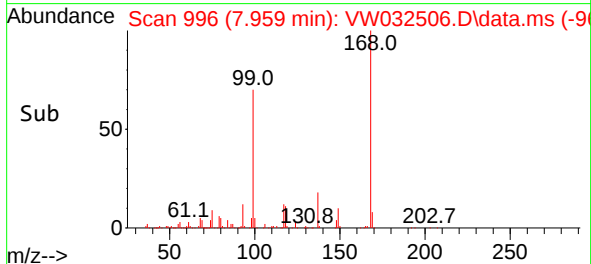
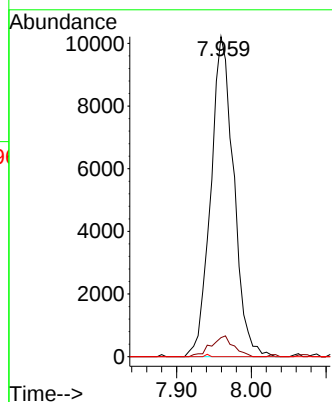
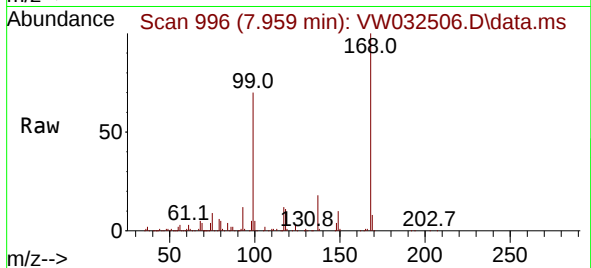
Tgt Ion:117 Resp: 21874

Ion Ratio Lower Upper

117 100

119 5.9 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 3.087 ug/l

RT: 9.502 min Scan# 1249

Delta R.T. 0.037 min

Lab File: VW032506.D

Acq: 19 Nov 2025 16:32

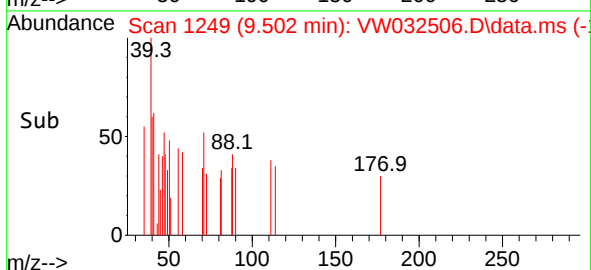
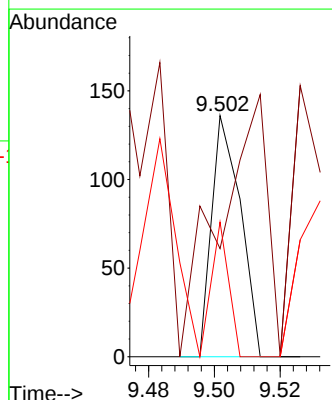
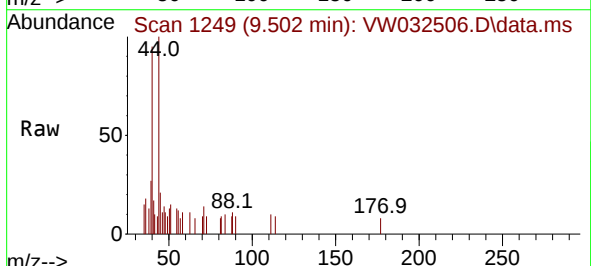
Tgt Ion: 88 Resp: 82

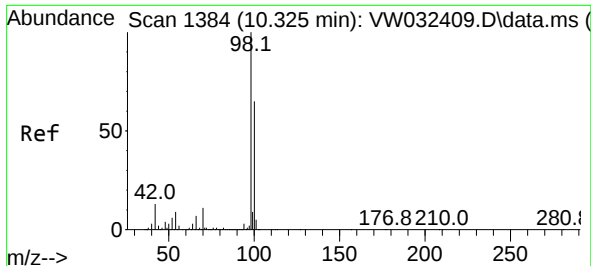
Ion Ratio Lower Upper

88 100

43 115.9 0.0 0.0#

58 0.0 63.0 94.4#

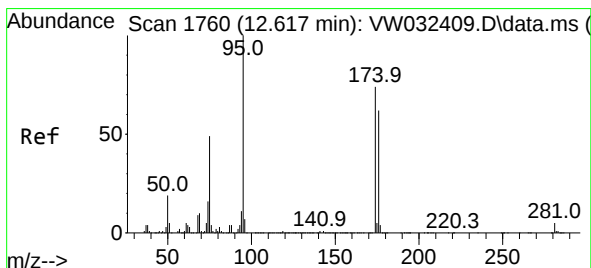
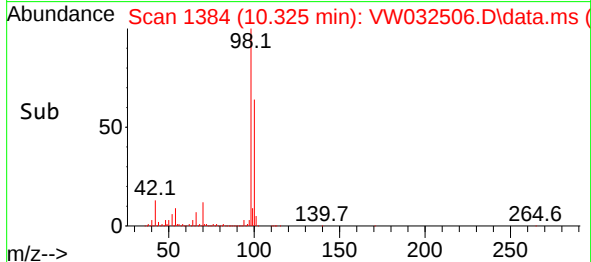
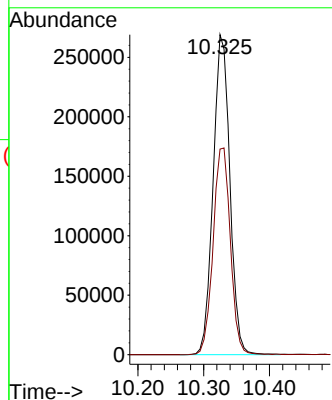
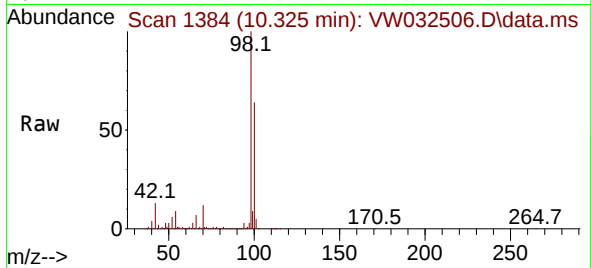




#50
Toluene-d8
Concen: 45.268 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

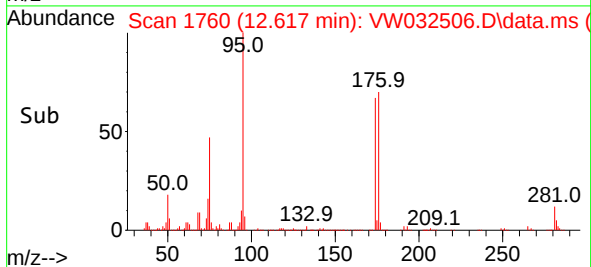
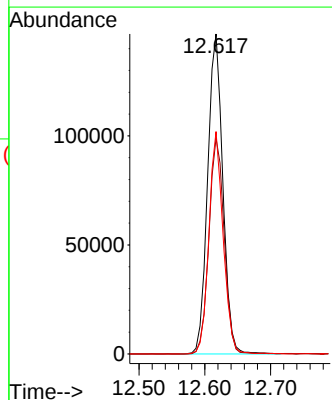
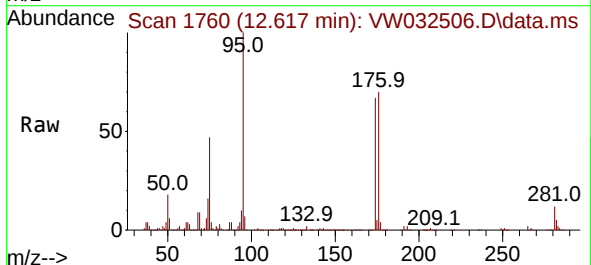
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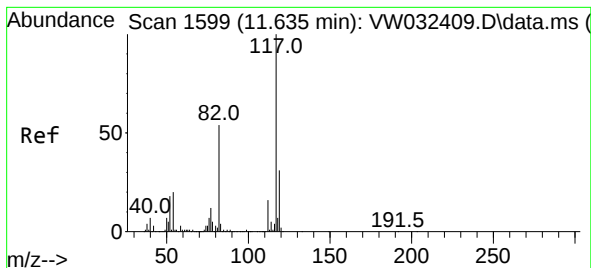
Tgt Ion: 98 Resp: 476912
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 59.188 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032506.D
Acq: 19 Nov 2025 16:32

Tgt Ion: 95 Resp: 235556
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.4
176 65.4 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032506.D

Acq: 19 Nov 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

GP-B3(13.2)

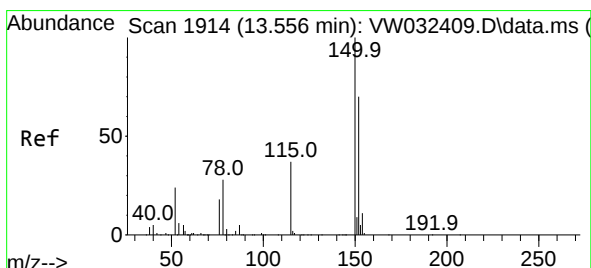
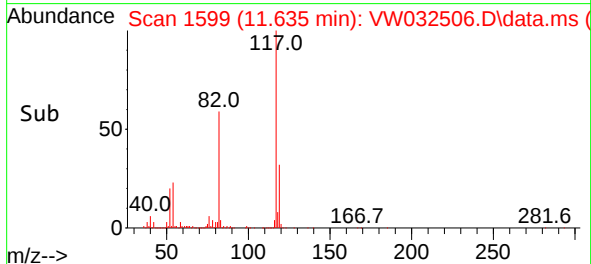
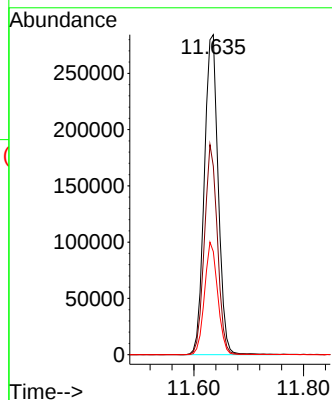
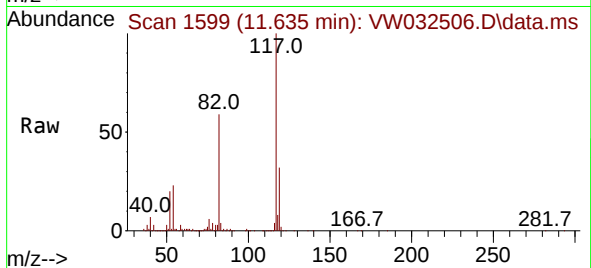
Tgt Ion:117 Resp: 498464

Ion Ratio Lower Upper

117 100

82 58.9 43.0 64.4

119 32.2 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032506.D

Acq: 19 Nov 2025 16:32

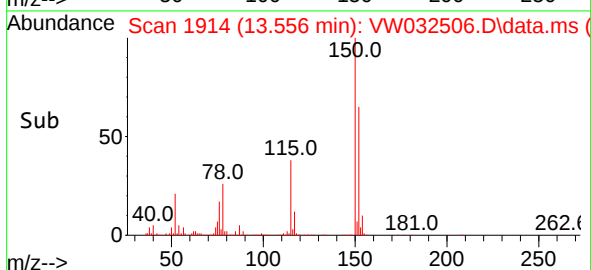
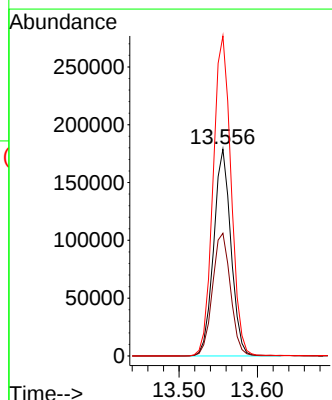
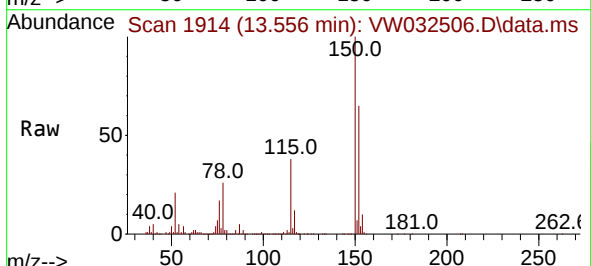
Tgt Ion:152 Resp: 274081

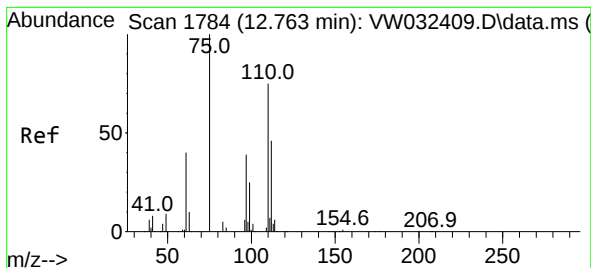
Ion Ratio Lower Upper

152 100

115 61.9 32.8 98.3

150 161.3 0.0 356.6





#76

1,2,3-Trichloropropane

Concen: 31.768 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032506.D

Acq: 19 Nov 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

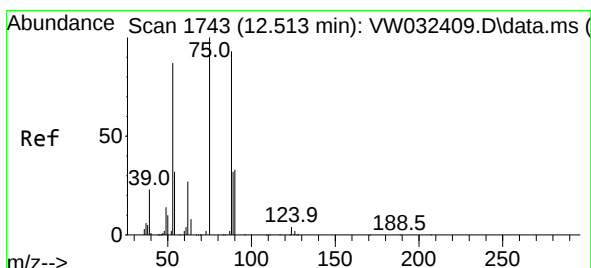
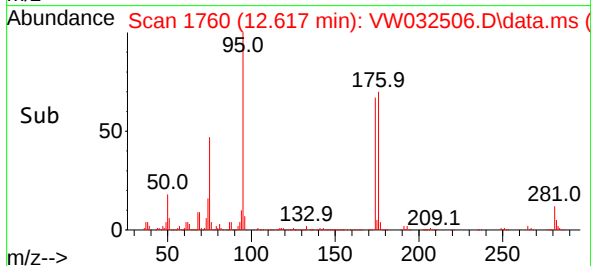
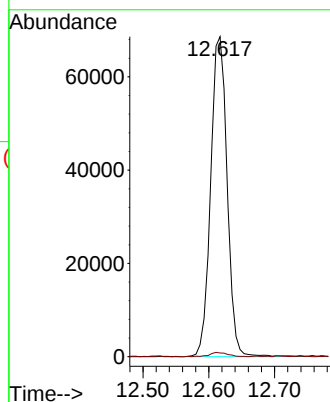
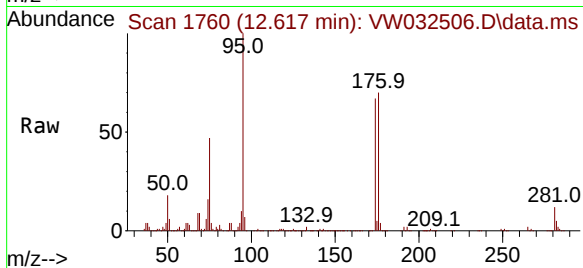
GP-B3(13.2)

Tgt Ion: 75 Resp: 119387

Ion Ratio Lower Upper

75 100

77 1.5 151.6 454.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.762 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.104 min

Lab File: VW032506.D

Acq: 19 Nov 2025 16:32

Tgt Ion: 75 Resp: 119387

Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 1.2 35.6 53.4#

