

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031799.D
 Acq On : 10 Jul 2025 13:47
 Operator : SY/MD
 Sample : Q2529-06
 Misc : 5.73g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-102

Quant Time: Jul 11 02:20:21 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)

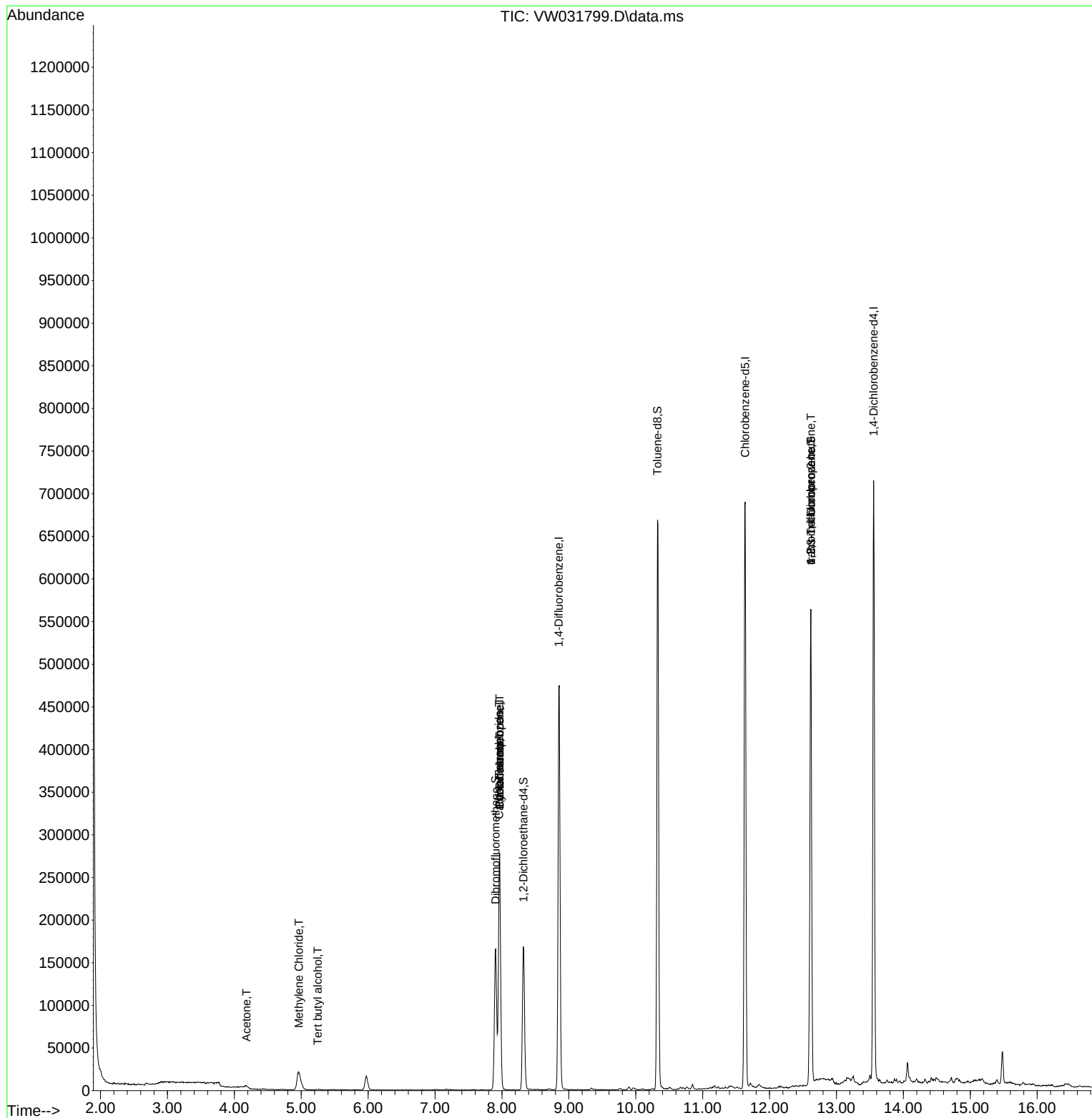
Internal Standards						
1) Pentafluorobenzene	7.965	168	185474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	383839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	144084	54.131	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 108.260%	
35) Dibromofluoromethane	7.904	113	122681	46.372	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 92.740%	
50) Toluene-d8	10.325	98	449699	45.676	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 91.360%	
62) 4-Bromofluorobenzene	12.617	95	179693	49.596	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 99.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.246	59	185	1.122	ug/l #	69
16) Acetone	4.180	43	3030	4.606	ug/l #	85
20) Methylene Chloride	4.966	84	19033	3.106	ug/l	95
31) Cyclohexane	7.965	56	5368	1.416	ug/l #	13
36) 1,1-Dichloropropene	7.965	75	17250	4.506	ug/l #	51
38) Carbon Tetrachloride	7.959	117	21844	5.599	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	92599	41.367	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	92599	96.351	ug/l #	8

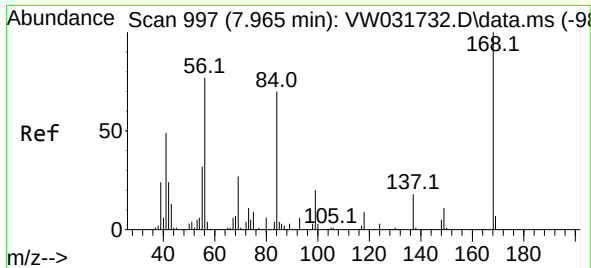
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 01 03:35:17 2025
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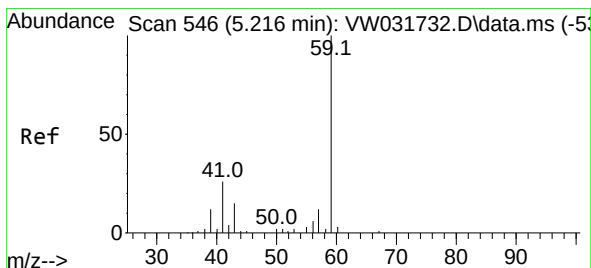
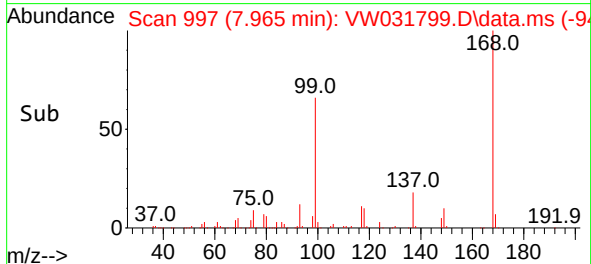
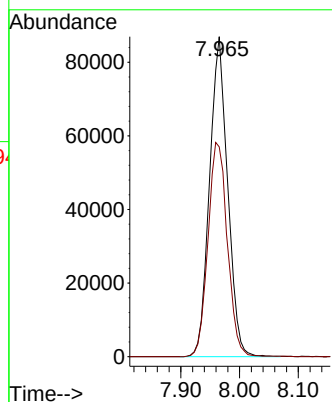
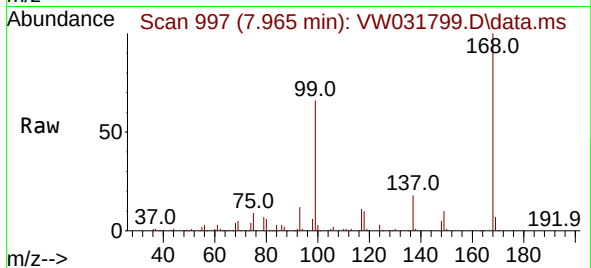




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

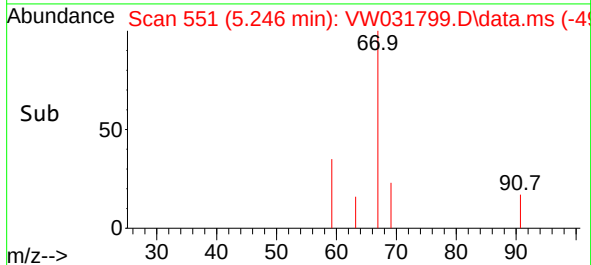
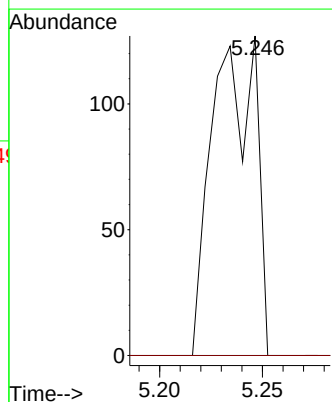
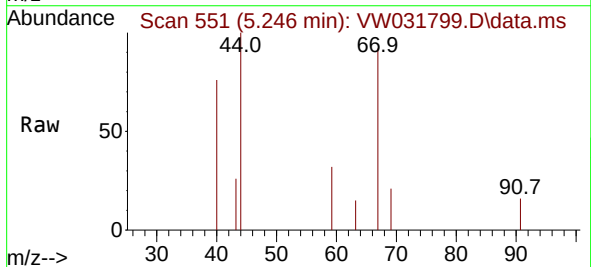
Instrument :
MSVOA_W
ClientSampleId :
TP-102

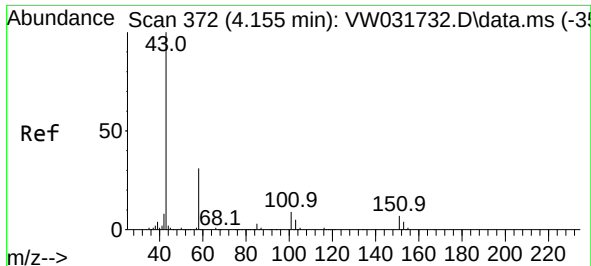
Tgt Ion:168 Resp: 185474
Ion Ratio Lower Upper
168 100
99 65.6 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.122 ug/l
RT: 5.246 min Scan# 551
Delta R.T. 0.031 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#

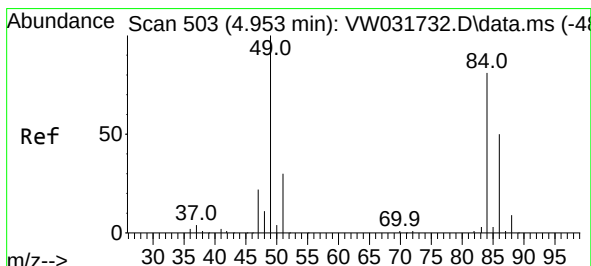
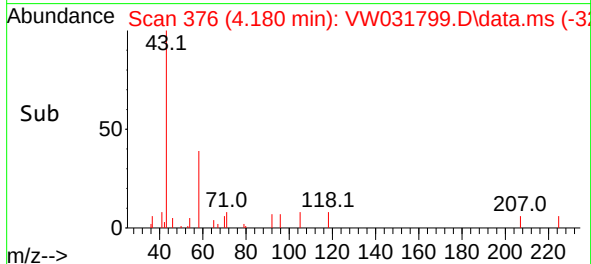
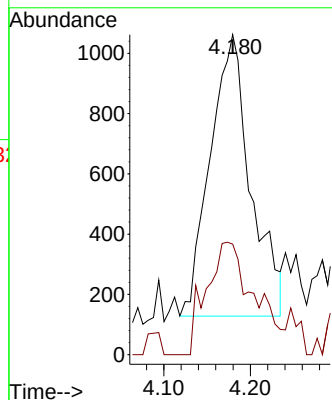
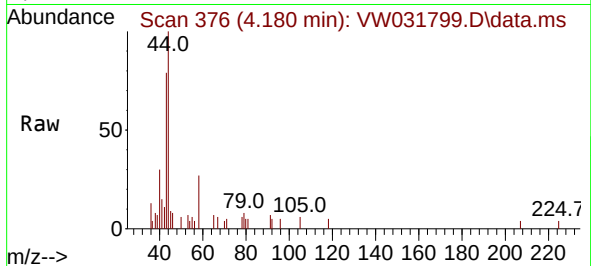




#16
 Acetone
 Concen: 4.606 ug/l
 RT: 4.180 min Scan# 31
 Delta R.T. 0.025 min
 Lab File: VW031799.D
 Acq: 10 Jul 2025 13:47

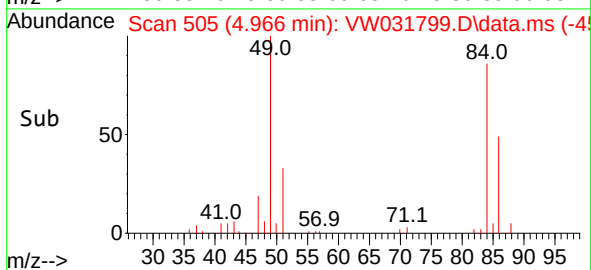
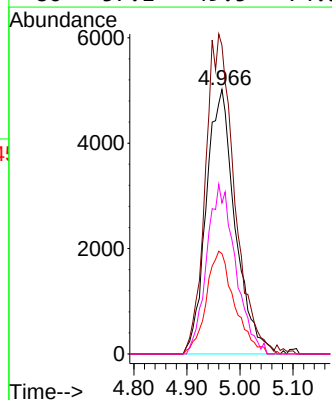
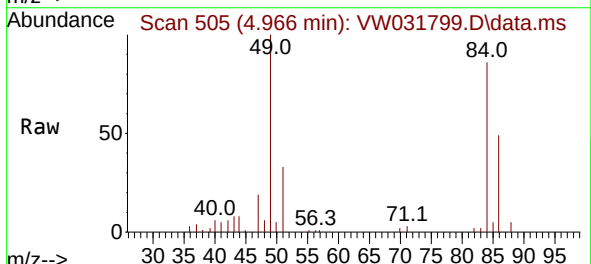
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-102

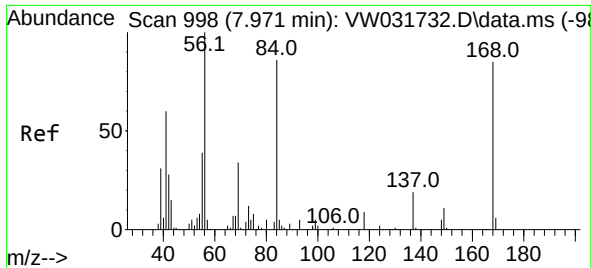
Tgt Ion: 43 Resp: 3030
 Ion Ratio Lower Upper
 43 100
 58 39.3 24.8 37.2#



#20
 Methylene Chloride
 Concen: 3.106 ug/l
 RT: 4.966 min Scan# 505
 Delta R.T. 0.013 min
 Lab File: VW031799.D
 Acq: 10 Jul 2025 13:47

Tgt Ion: 84 Resp: 19033
 Ion Ratio Lower Upper
 84 100
 49 116.6 98.2 147.4
 51 38.0 29.8 44.8
 86 57.1 49.5 74.3

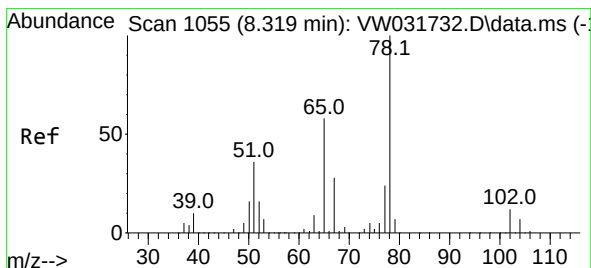
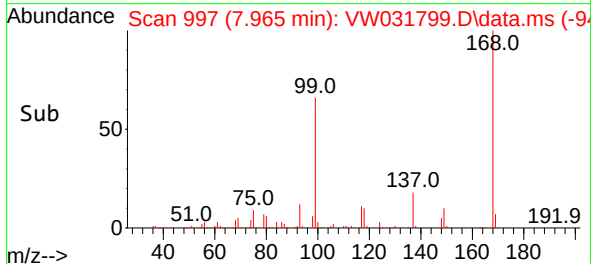
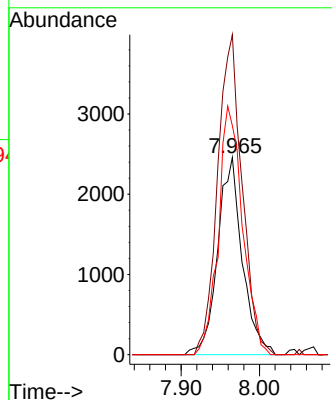
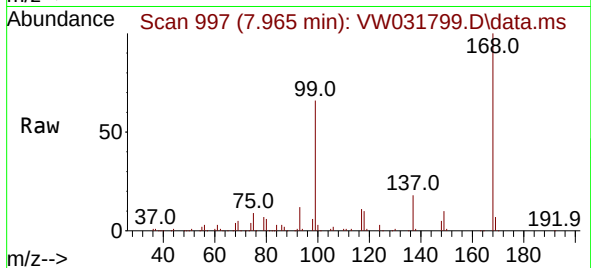




#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

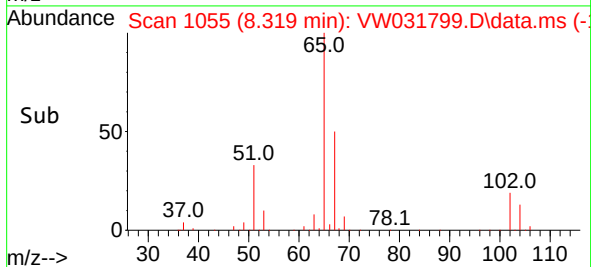
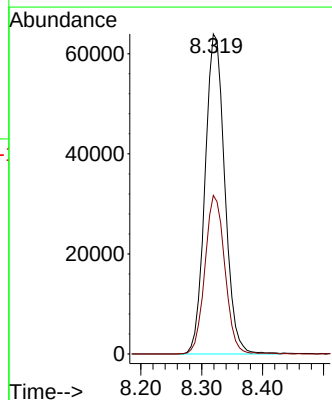
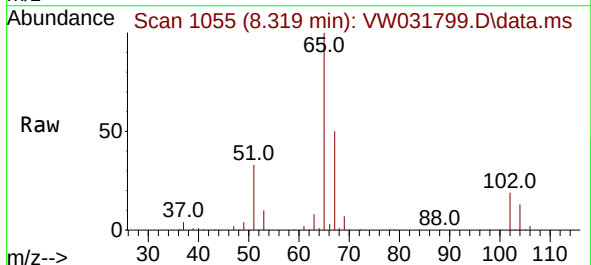
Instrument :
MSVOA_W
ClientSampleId :
TP-102

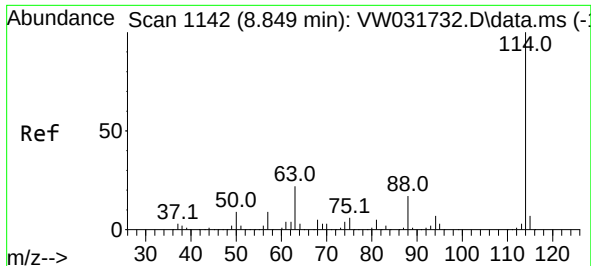
Tgt Ion: 56 Resp: 5368
Ion Ratio Lower Upper
56 100
69 162.2 27.2 40.8#
84 116.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 54.131 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

Tgt Ion: 65 Resp: 144084
Ion Ratio Lower Upper
65 100
67 50.1 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: VW031799.D

Acq: 10 Jul 2025 13:47

Instrument :

MSVOA_W

ClientSampleId :

TP-102

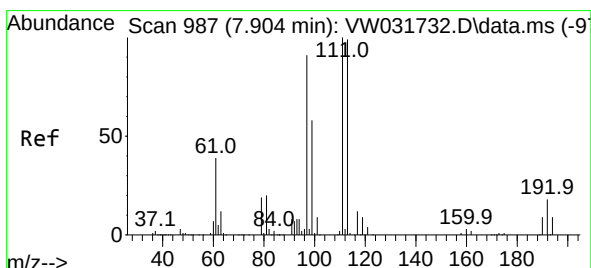
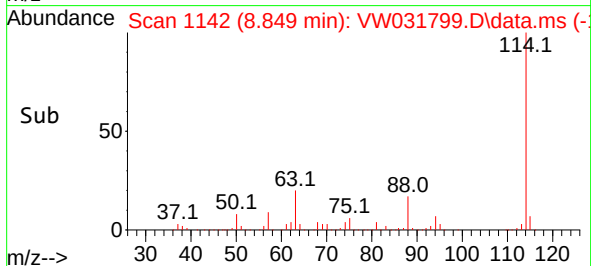
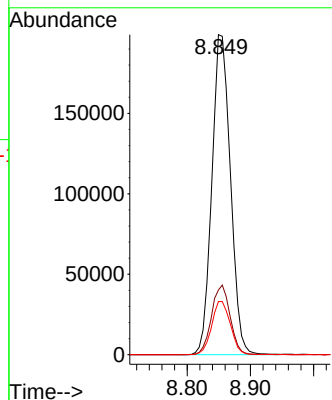
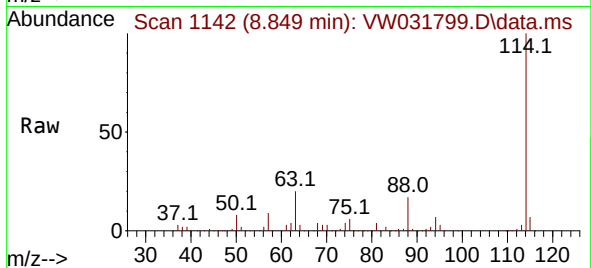
Tgt Ion:114 Resp: 405430

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.6

88 16.6 0.0 34.2



#35

Dibromofluoromethane

Concen: 46.372 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031799.D

Acq: 10 Jul 2025 13:47

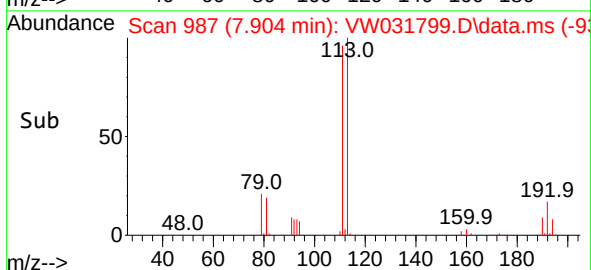
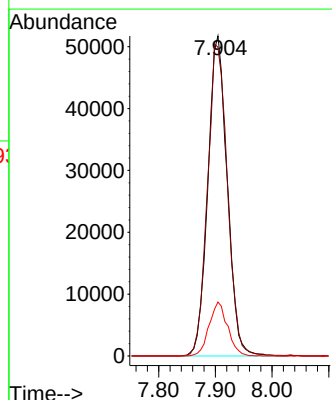
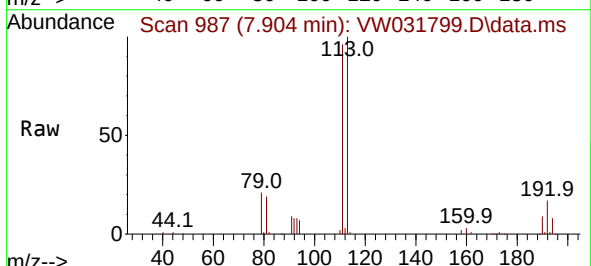
Tgt Ion:113 Resp: 122681

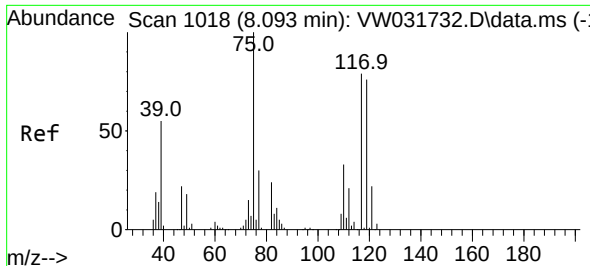
Ion Ratio Lower Upper

113 100

111 100.3 82.1 123.1

192 16.1 13.8 20.6

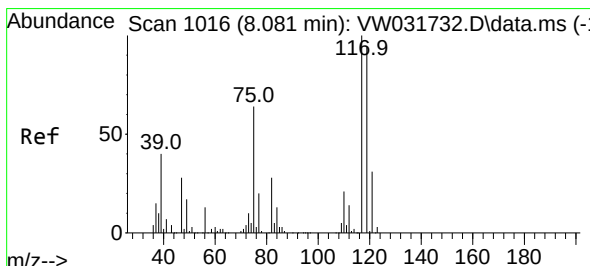
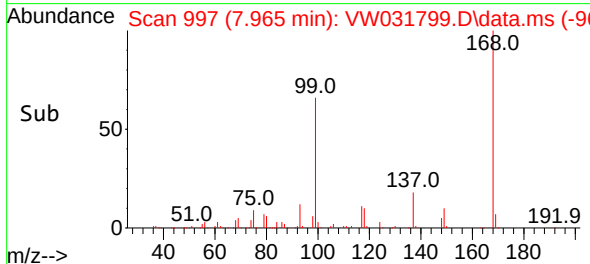
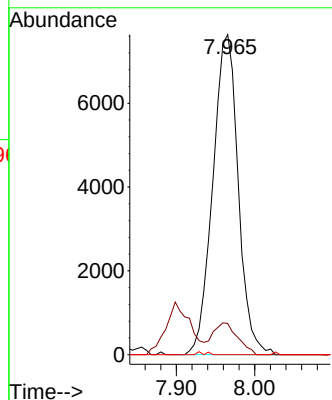
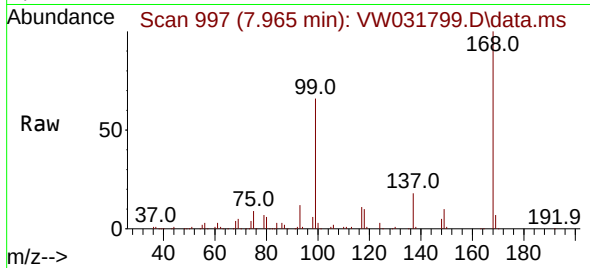




#36
 1,1-Dichloropropene
 Concen: 4.506 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031799.D
 Acq: 10 Jul 2025 13:47

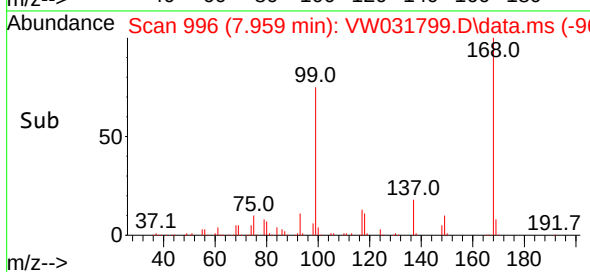
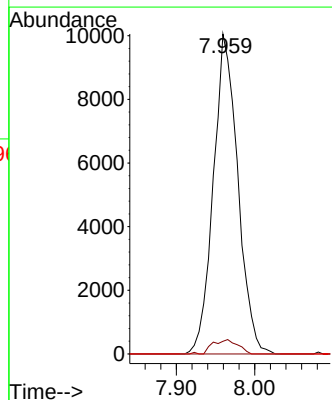
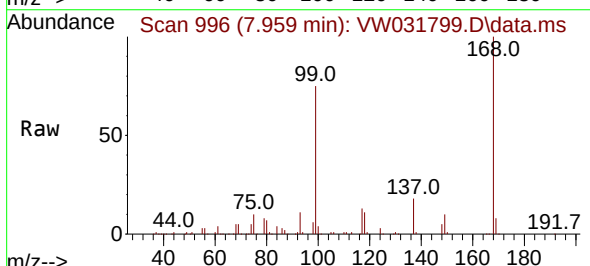
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 ClientSampleId :
 TP-102

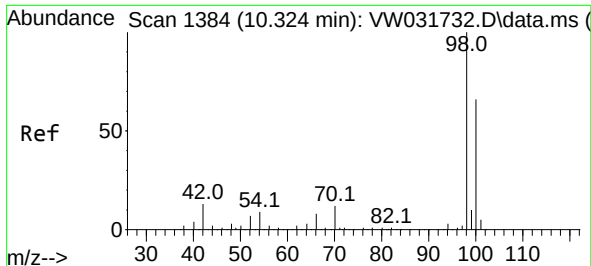
Tgt Ion: 75 Resp: 17250
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.599 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031799.D
 Acq: 10 Jul 2025 13:47

Tgt Ion: 117 Resp: 21844
 Ion Ratio Lower Upper
 117 100
 119 3.9 75.0 112.6#
 121 0.0 24.6 37.0#

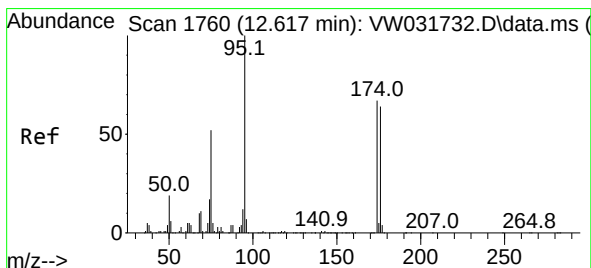
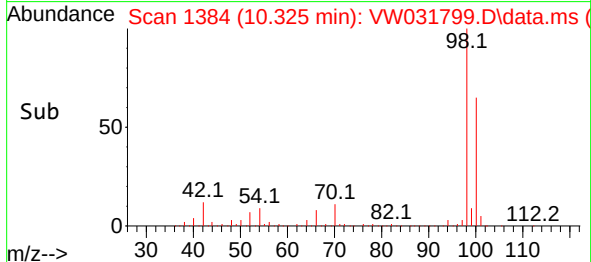
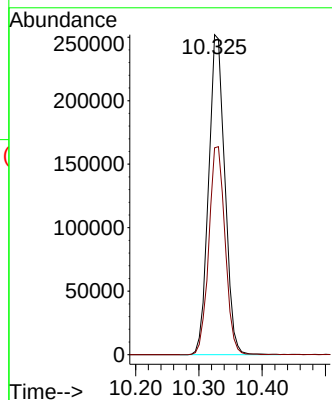
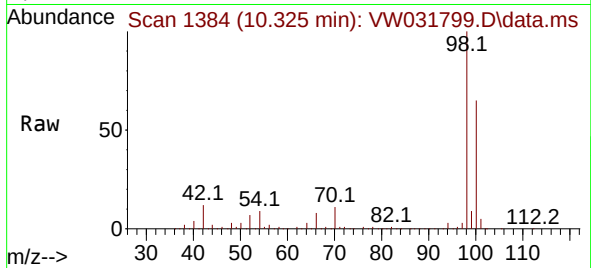




#50
Toluene-d8
Concen: 45.676 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

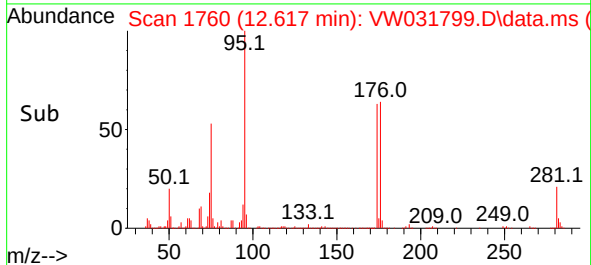
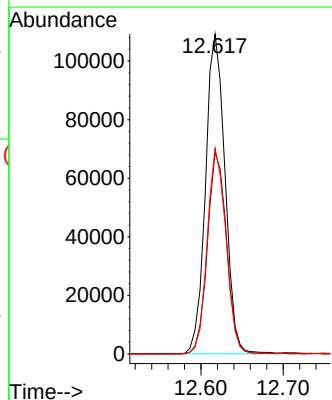
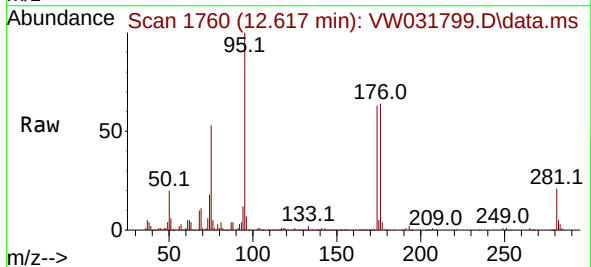
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ClientSampleId :
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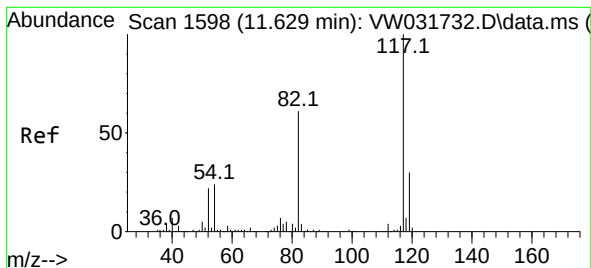
Tgt Ion: 98 Resp: 449699
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.596 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

Tgt Ion: 95 Resp: 179693
Ion Ratio Lower Upper
95 100
174 61.9 0.0 133.8
176 61.9 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.007 min

Lab File: VW031799.D

Acq: 10 Jul 2025 13:47

Instrument :

MSVOA_W

ClientSampleId :

TP-102

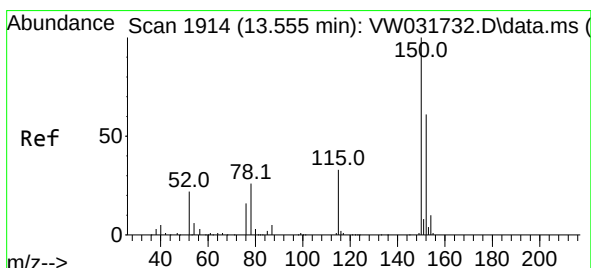
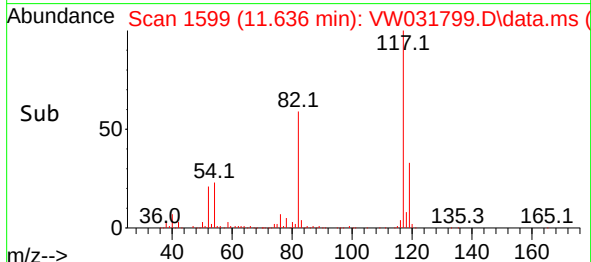
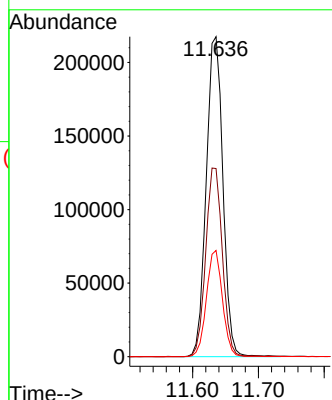
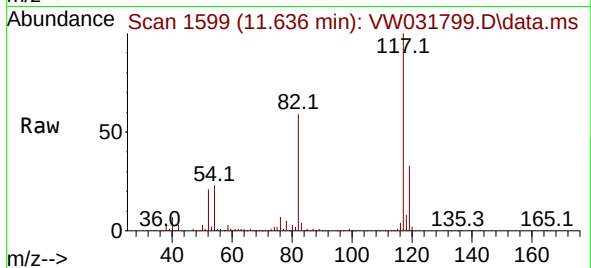
Tgt Ion:117 Resp: 383839

Ion Ratio Lower Upper

117 100

82 58.8 48.6 72.8

119 33.2 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031799.D

Acq: 10 Jul 2025 13:47

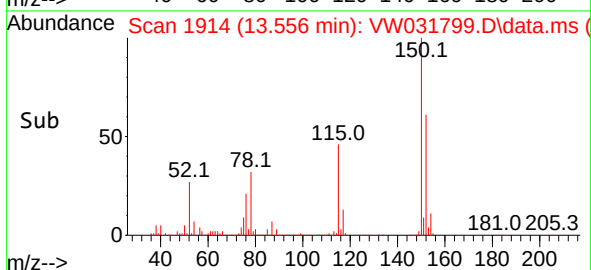
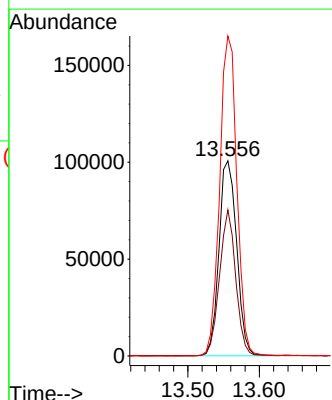
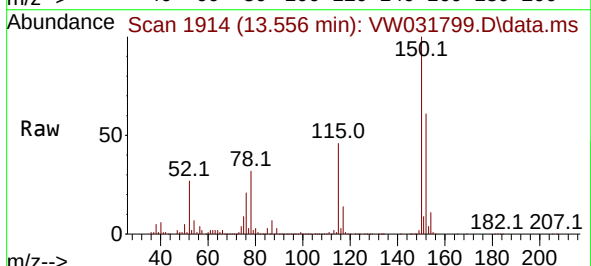
Tgt Ion:152 Resp: 173217

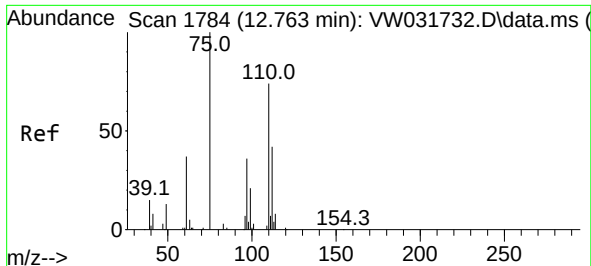
Ion Ratio Lower Upper

152 100

115 68.2 31.9 95.7

150 159.5 0.0 356.4

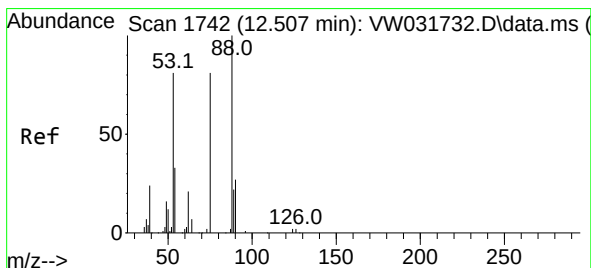
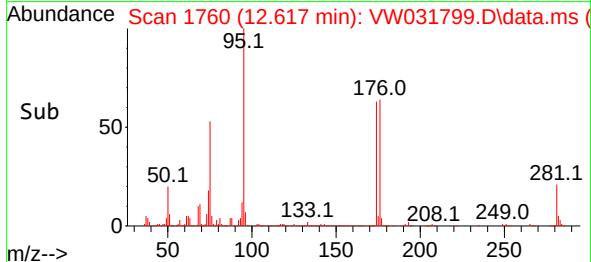
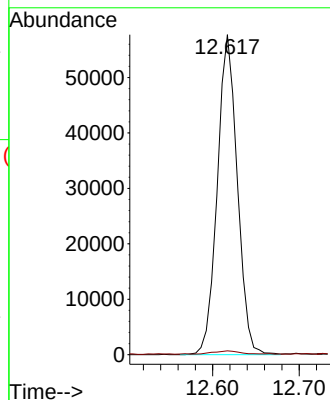
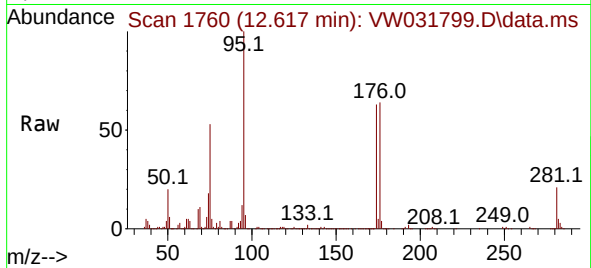




#76
1,2,3-Trichloropropane
Concen: 41.367 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

Instrument :
MSVOA_W
ClientSampleId :
TP-102

Tgt Ion: 75 Resp: 92599
Ion Ratio Lower Upper
75 100
77 1.5 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.351 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031799.D
Acq: 10 Jul 2025 13:47

Tgt Ion: 75 Resp: 92599
Ion Ratio Lower Upper
75 100
53 0.2 83.5 125.3#
89 0.6 38.3 57.5#

