

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032064.D
 Acq On : 11 Aug 2025 14:22
 Operator : SY/MD
 Sample : Q2807-02
 Misc : 5.62g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-5

Quant Time: Aug 12 04:25:26 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	187413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	390308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	377426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181852	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133583	49.283	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.560%
35) Dibromofluoromethane	7.904	113	122232	48.475	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.960%
50) Toluene-d8	10.325	98	449022	48.145	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.300%
62) 4-Bromofluorobenzene	12.617	95	165931	48.279	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.560%

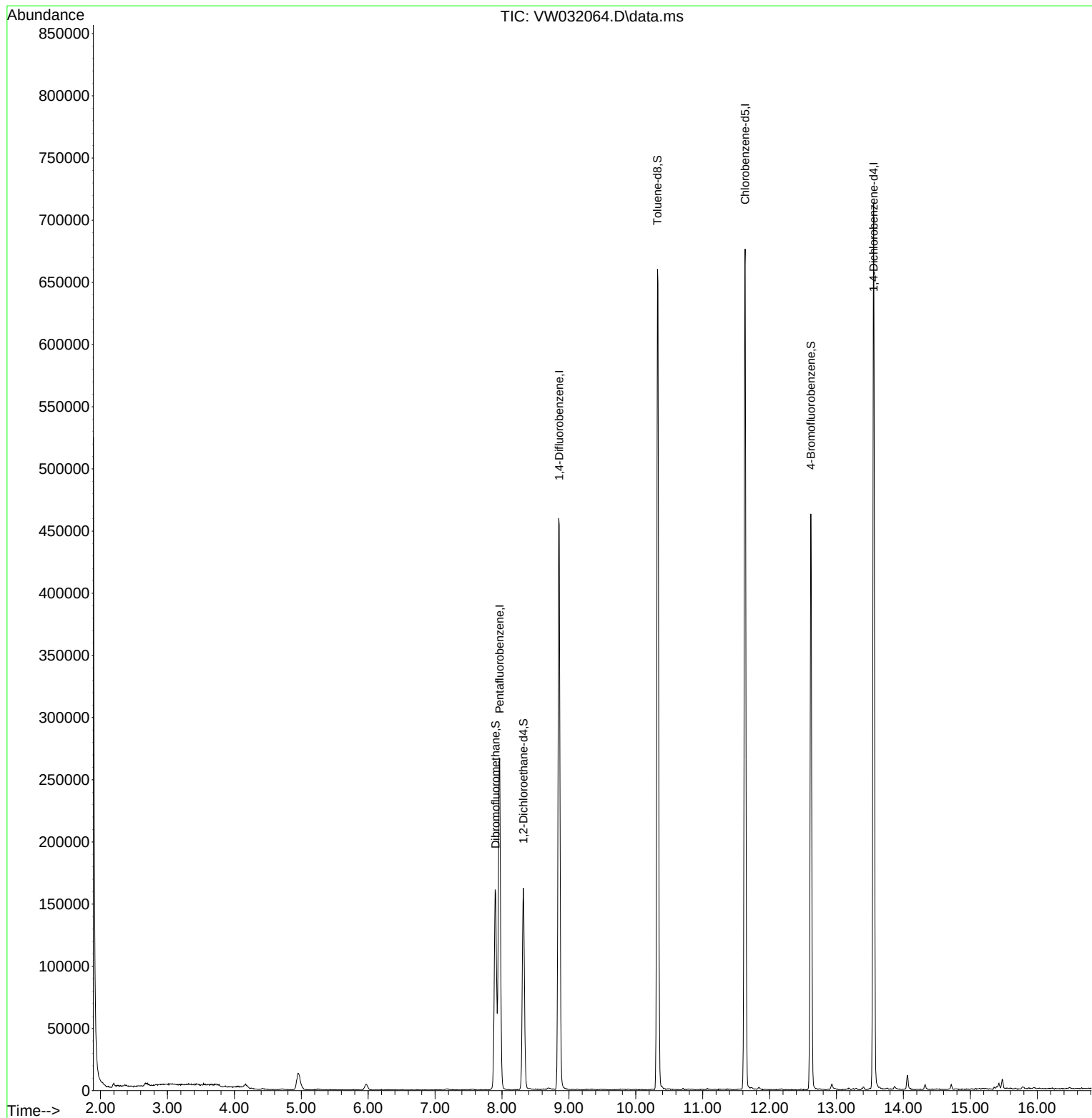
Target Compounds	Qvalue

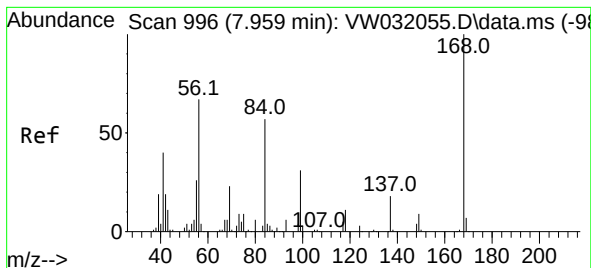
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 996

Delta R.T. 0.006 min

Lab File: VW032064.D

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MSVOA_W

ClientSampleId :

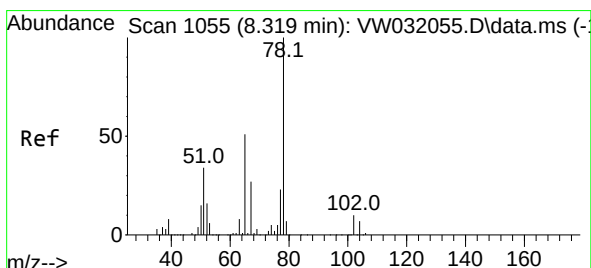
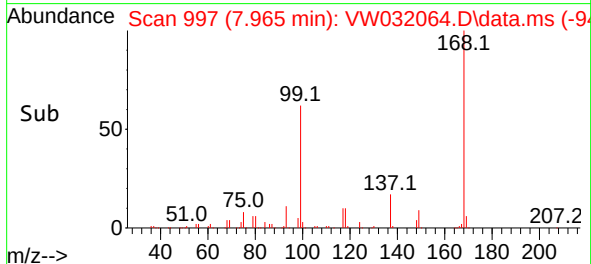
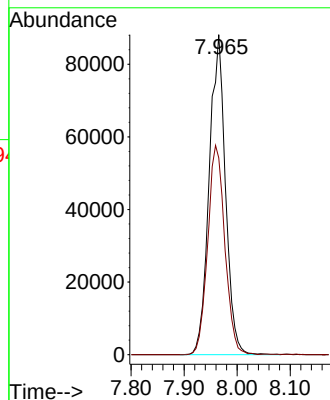
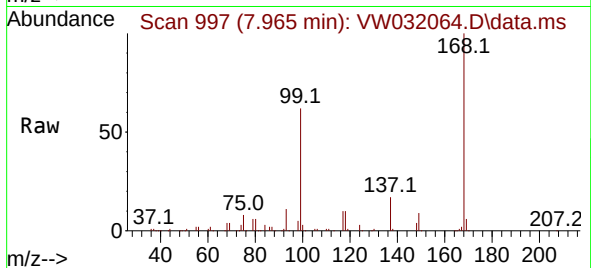
COMP-5

Tgt Ion:168 Resp: 187413

Ion Ratio Lower Upper

168 100

99 61.5 56.0 84.0



#33

1,2-Dichloroethane-d4

Concen: 49.283 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032064.D

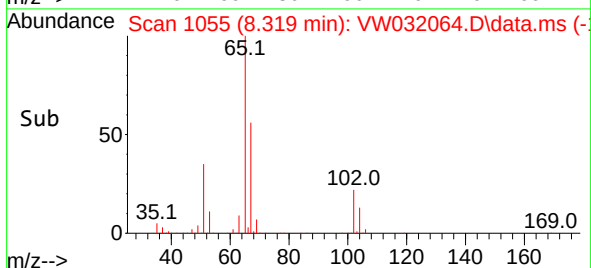
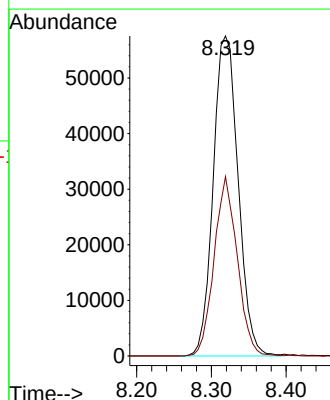
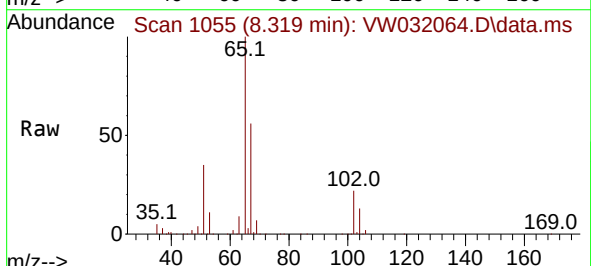
Acq: 11 Aug 2025 14:22

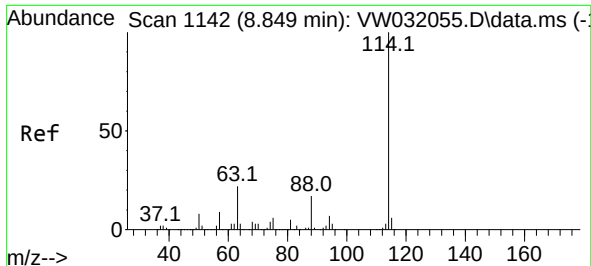
Tgt Ion: 65 Resp: 133583

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4

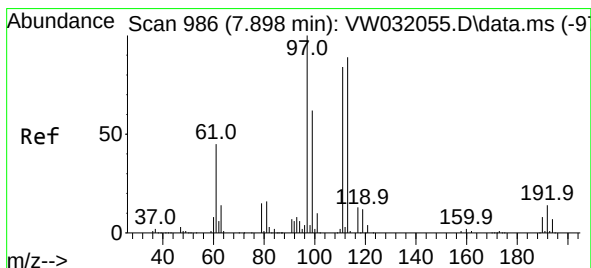
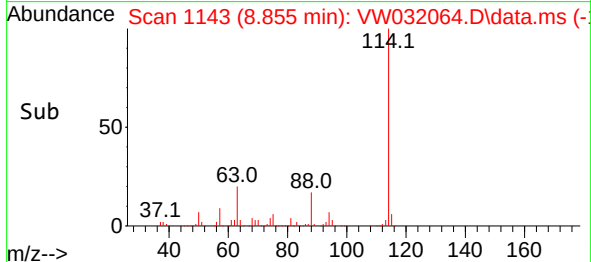
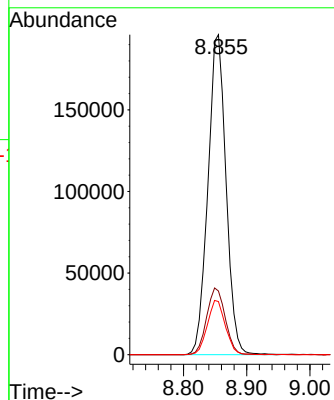
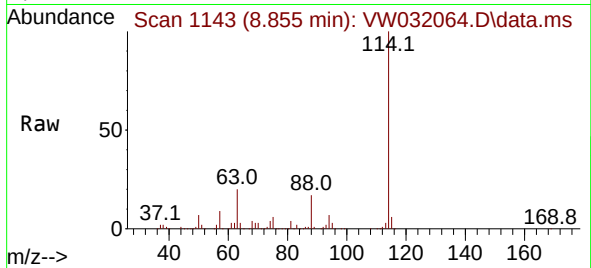




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032064.D
 Acq: 11 Aug 2025 14:22

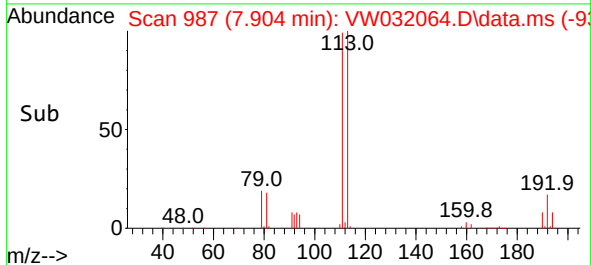
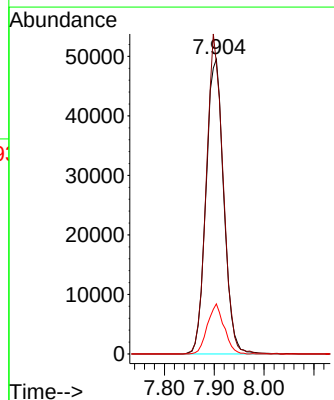
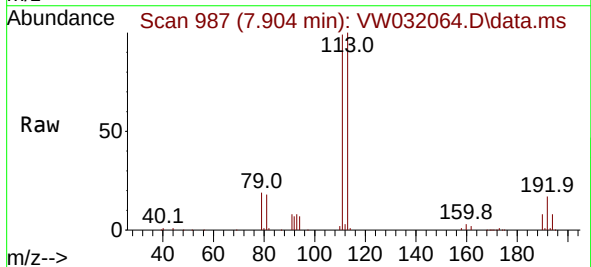
Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-5

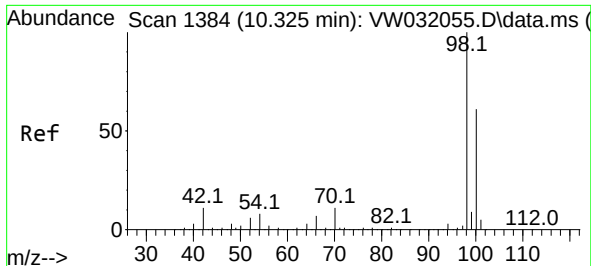
Tgt Ion:114 Resp: 390308
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.0
 88 16.6 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.475 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.006 min
 Lab File: VW032064.D
 Acq: 11 Aug 2025 14:22

Tgt Ion:113 Resp: 122232
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.1 120.1
 192 16.0 13.1 19.7

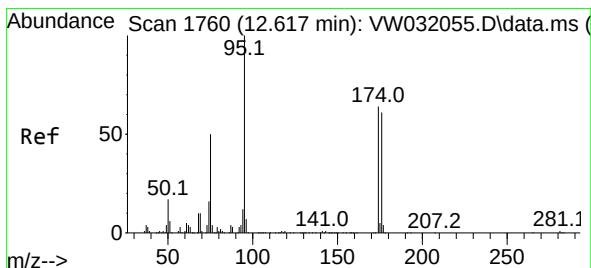
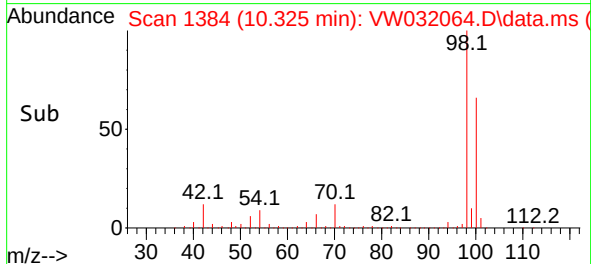
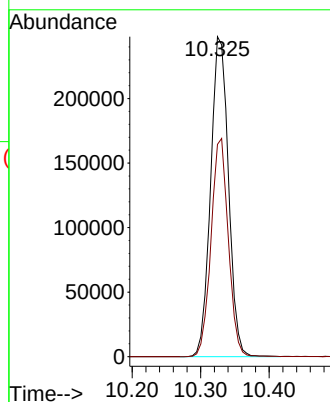
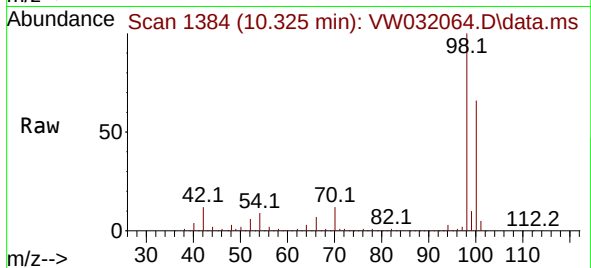




#50
Toluene-d8
Concen: 48.145 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032064.D
Acq: 11 Aug 2025 14:22

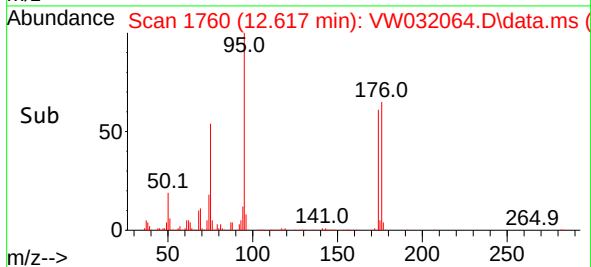
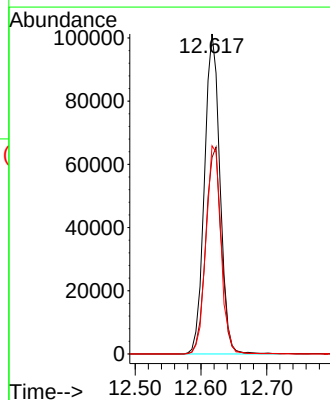
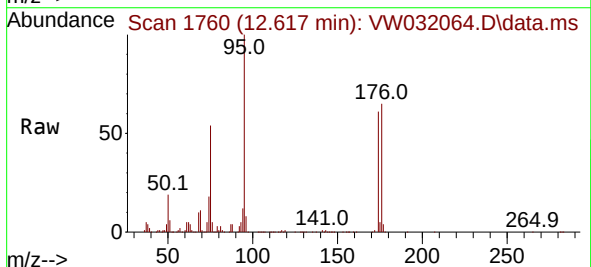
Instrument :
MSVOA_W
ClientSampleId :
COMP-5

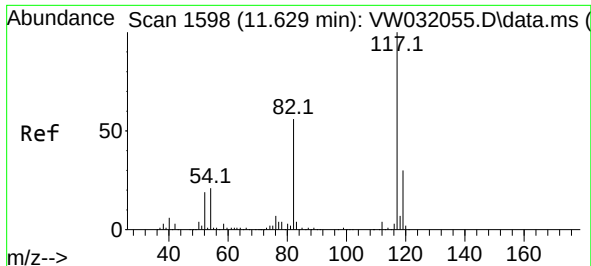
Tgt Ion: 98 Resp: 449022
Ion Ratio Lower Upper
98 100
100 66.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.279 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032064.D
Acq: 11 Aug 2025 14:22

Tgt Ion: 95 Resp: 165931
Ion Ratio Lower Upper
95 100
174 64.7 0.0 129.0
176 63.5 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: VW032064.D

Acq: 11 Aug 2025 14:22

Instrument :

MSVOA_W

ClientSampleId :

COMP-5

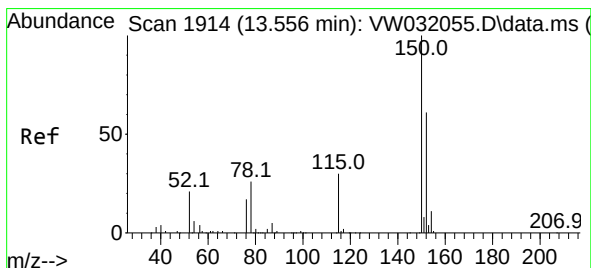
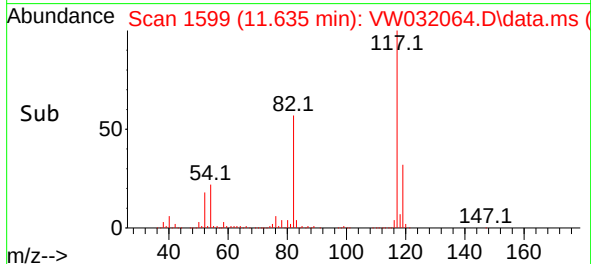
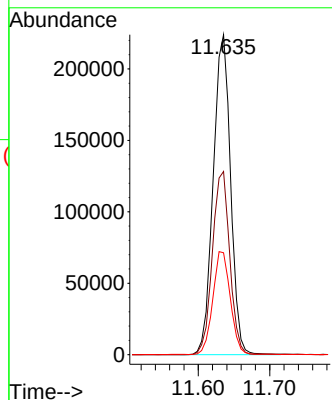
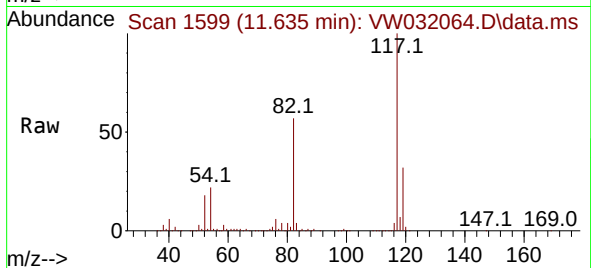
Tgt Ion:117 Resp: 377426

Ion Ratio Lower Upper

117 100

82 57.2 45.0 67.4

119 31.8 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: VW032064.D

Acq: 11 Aug 2025 14:22

Tgt Ion:152 Resp: 181852

Ion Ratio Lower Upper

152 100

115 65.6 32.6 97.8

150 152.6 0.0 359.4

