

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%

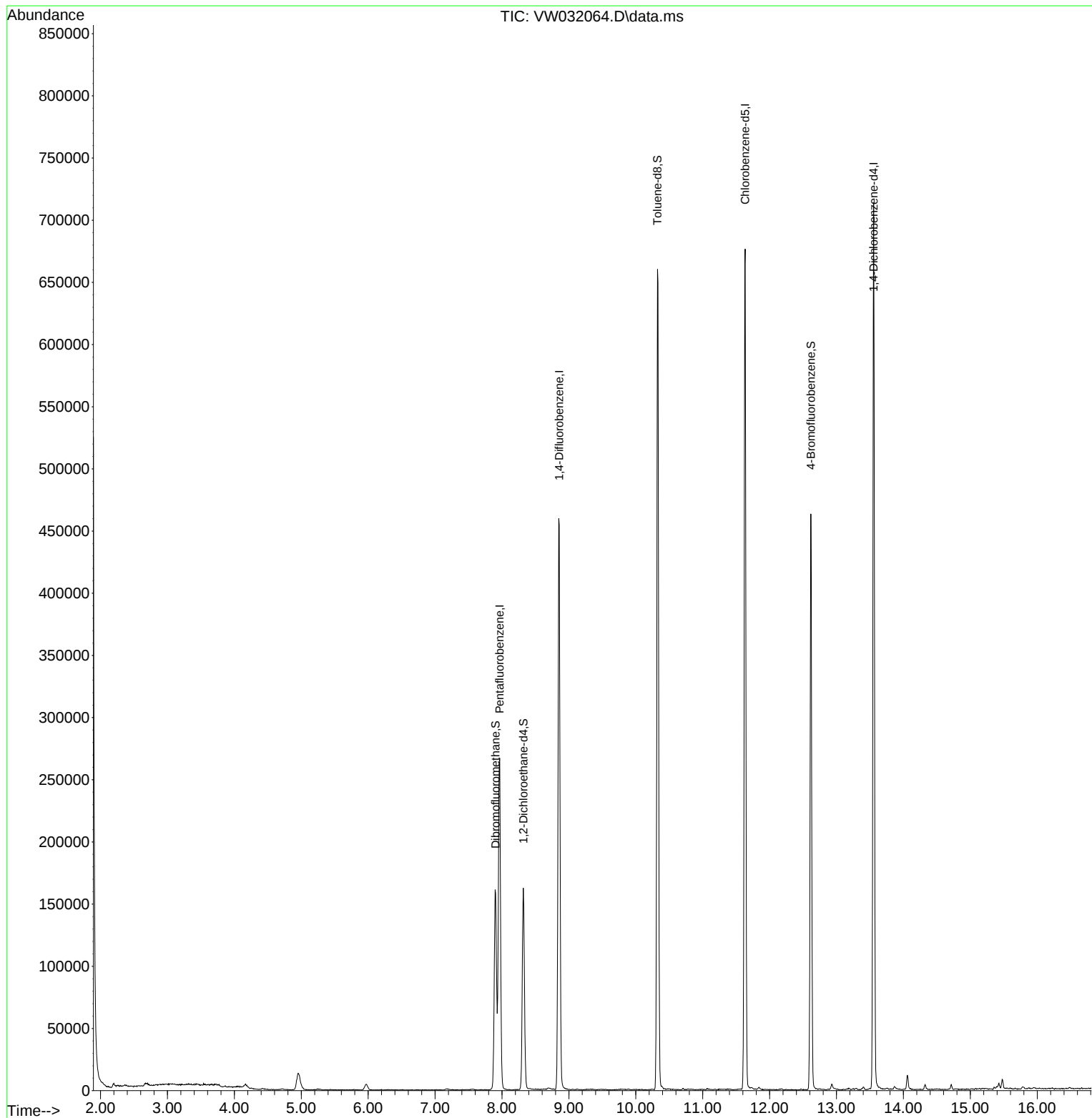
Target Compounds	Qvalue

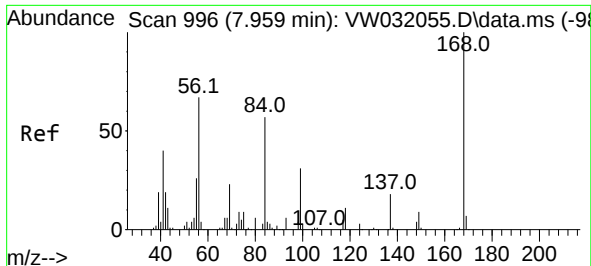
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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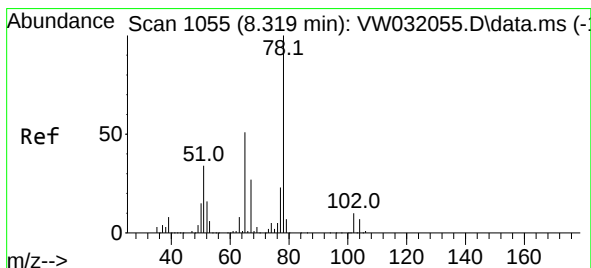
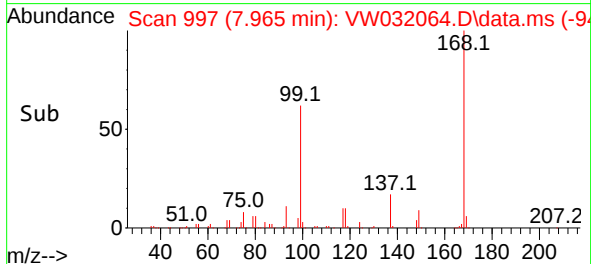
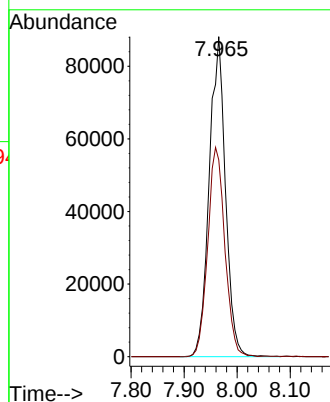
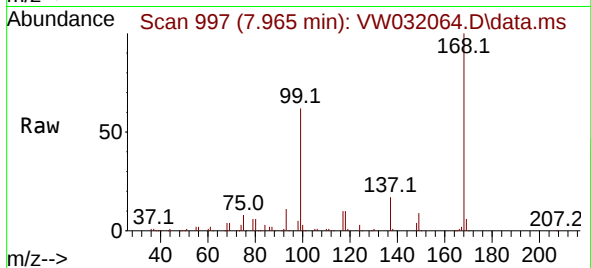




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032064.D
Acq: 11 Aug 2025 14:22

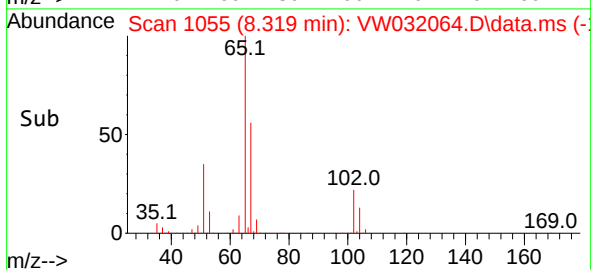
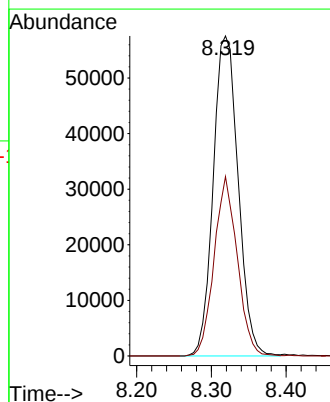
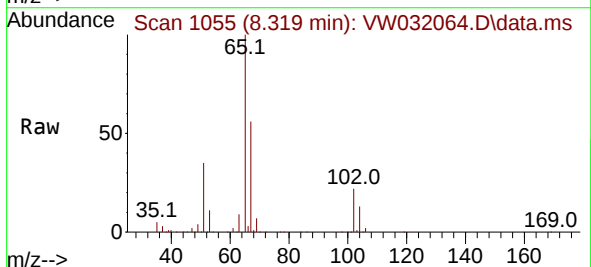
Instrument :
MSVOA_W
ClientSampleId :
COMP-5

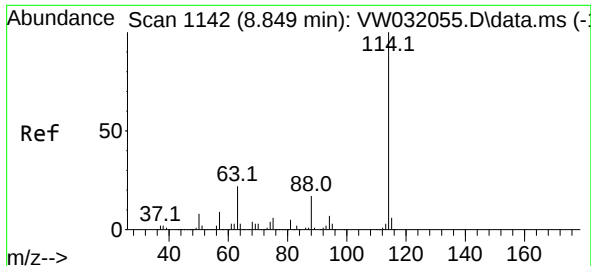
Tgt Ion:168 Resp: 187413
Ion Ratio Lower Upper
168 100
99 61.5 56.0 84.0



#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

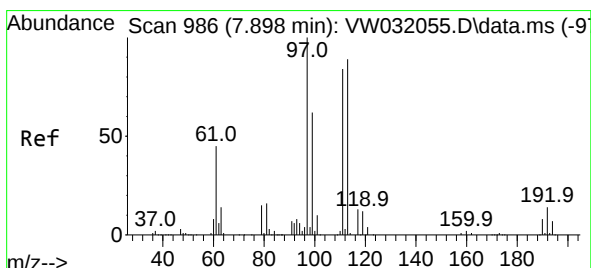
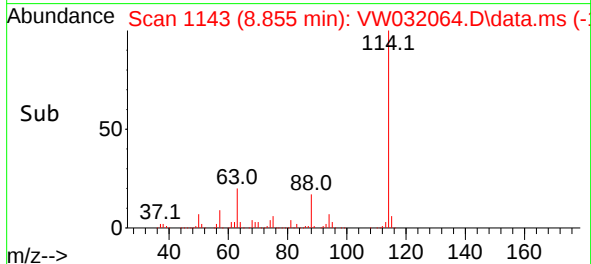
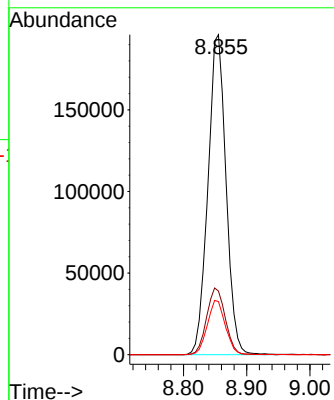
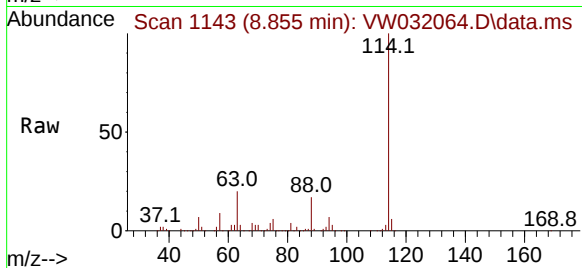
Tgt Ion:114 Resp: 390308

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

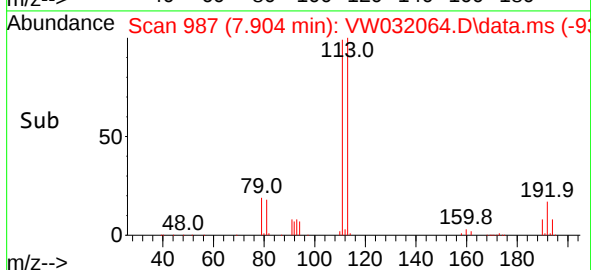
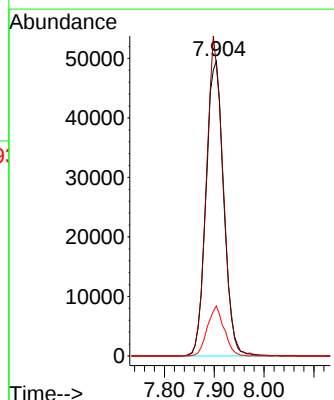
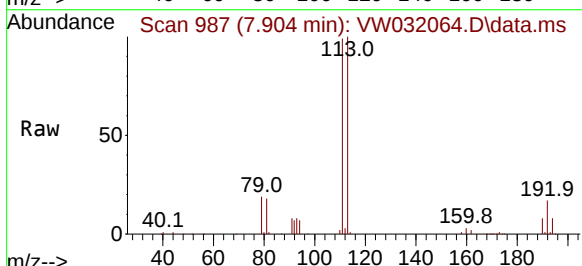
Tgt Ion:113 Resp: 122232

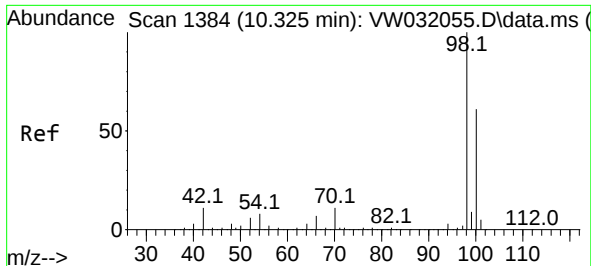
Ion Ratio Lower Upper

113 100

111 102.2 80.1 120.1

192 16.0 13.1 19.7

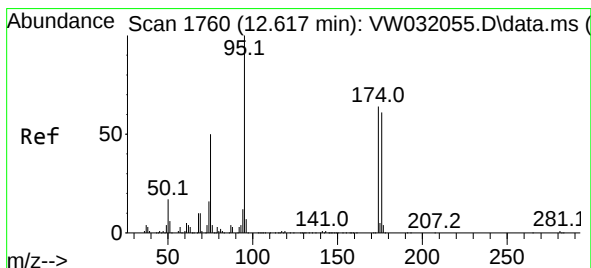
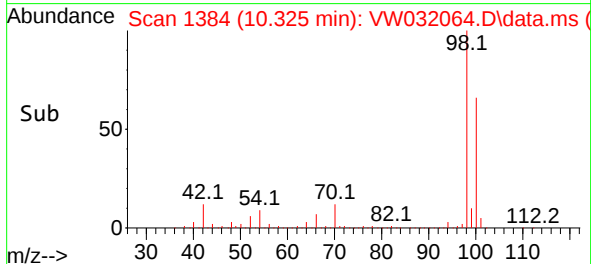
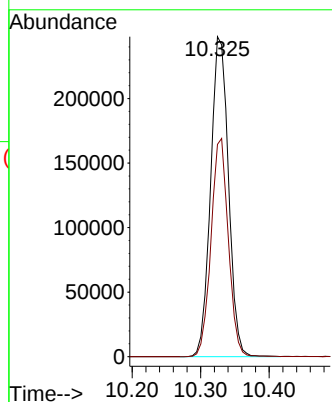
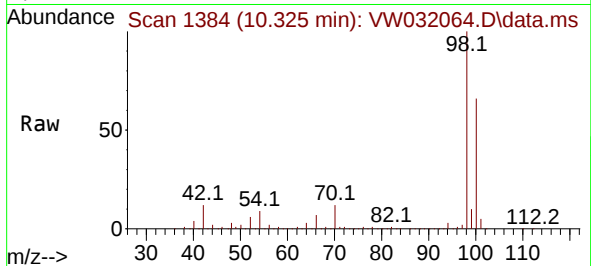




#50
Toluene-d8
Concen: 48.145 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032064.D
Acq: 11 Aug 2025 14:22

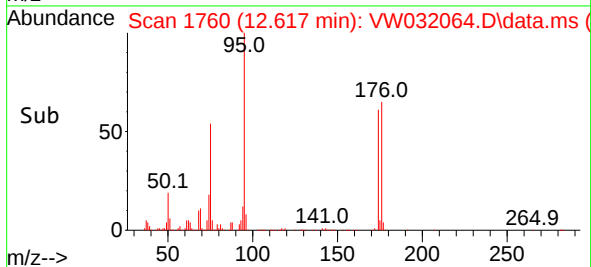
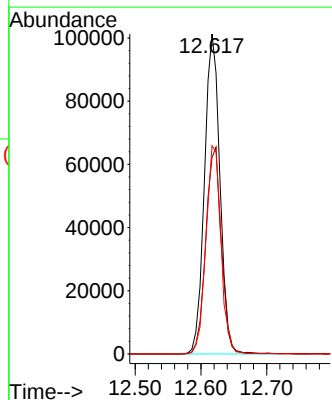
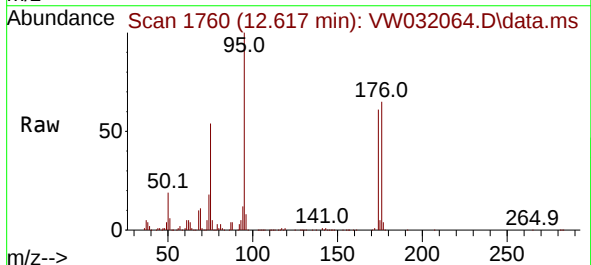
Instrument :
MSVOA_W
ClientSampleId :
COMP-5

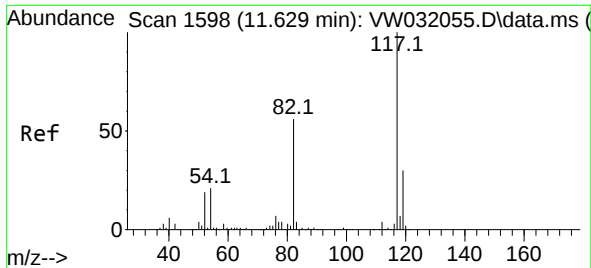
Tgt Ion: 98 Resp: 449022
Ion Ratio Lower Upper
98 100
100 66.1 51.1 76.7



#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

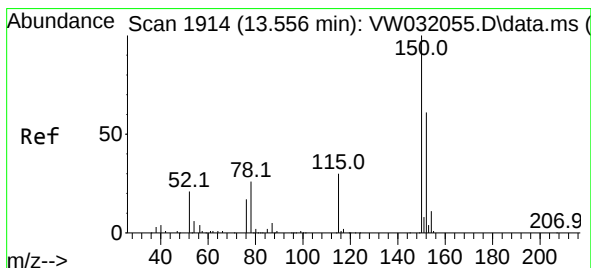
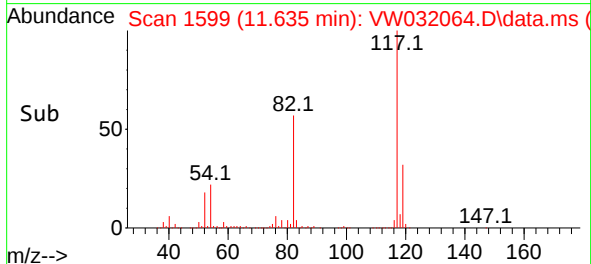
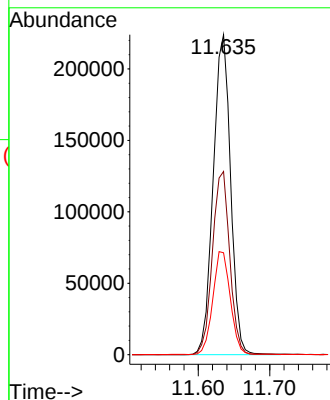
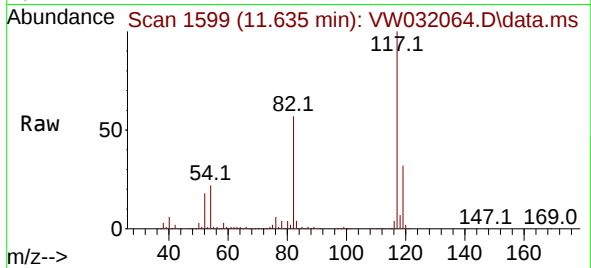




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032064.D
Acq: 11 Aug 2025 14:22

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

