

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032097.D
 Acq On : 14 Aug 2025 16:32
 Operator : SY/MD
 Sample : Q2820-14
 Misc : 7.65g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 10P-E

Quant Time: Aug 18 03:54:55 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	7.959	168	132278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	288474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	286427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	140063	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116875	61.092	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	122.180%
35) Dibromofluoromethane	7.904	113	98877	53.055	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.120%
50) Toluene-d8	10.331	98	328487	47.654	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.300%
62) 4-Bromofluorobenzene	12.617	95	114543	45.092	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.180%

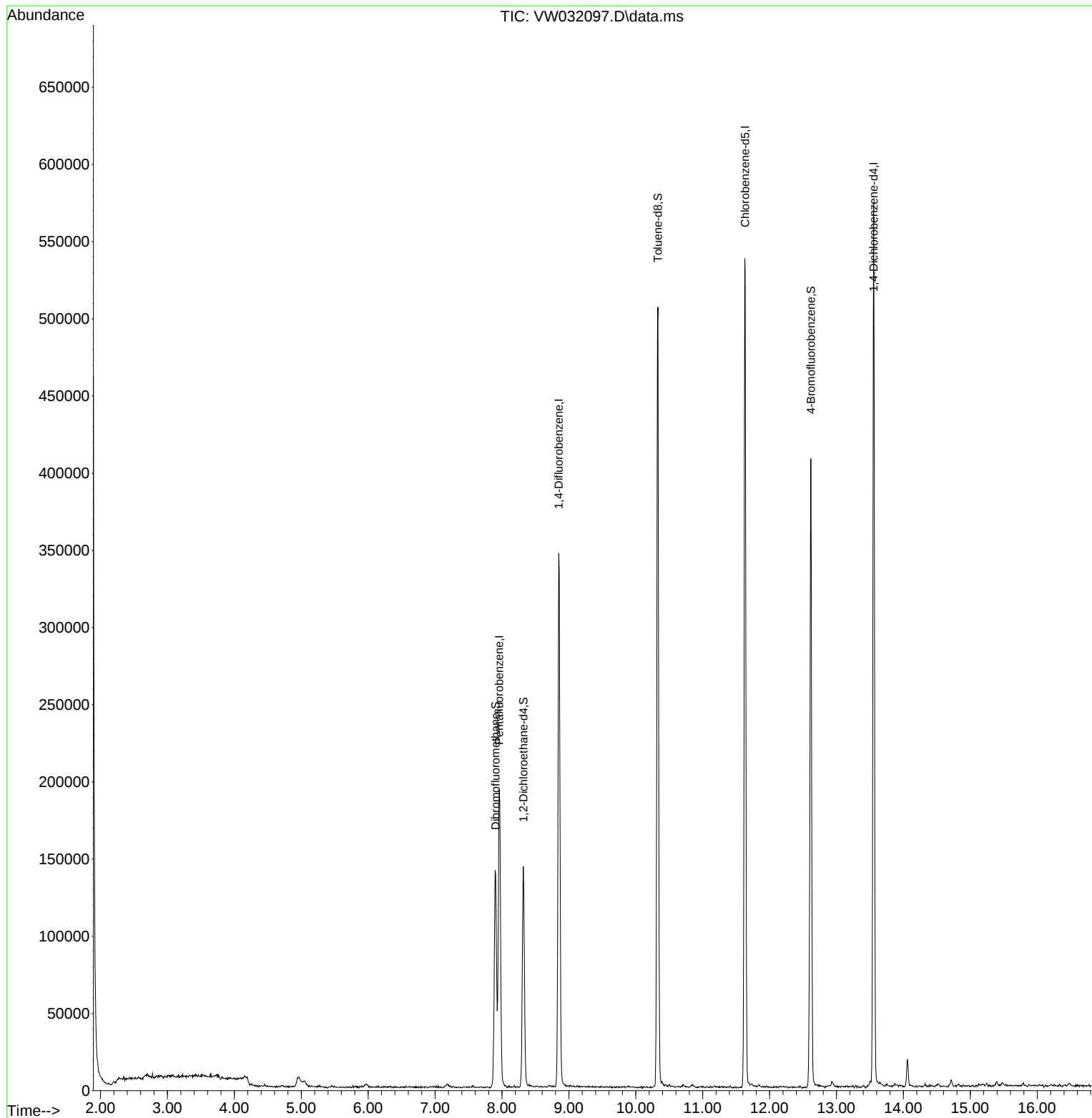
Target Compounds	Qvalue

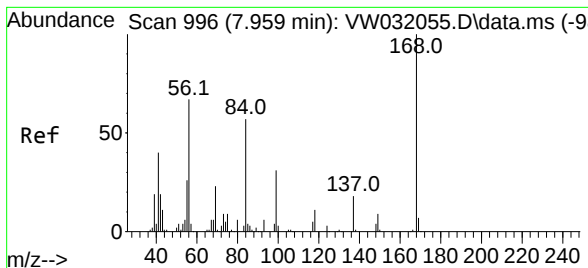
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

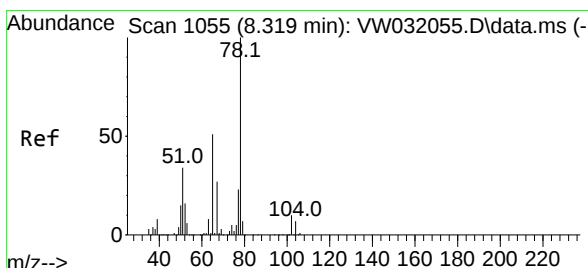
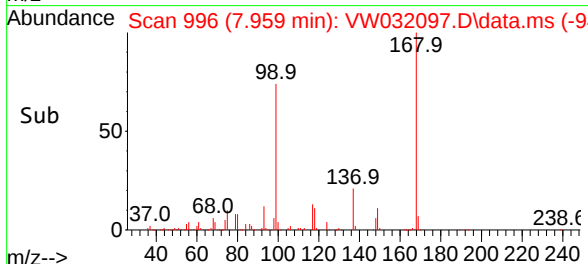
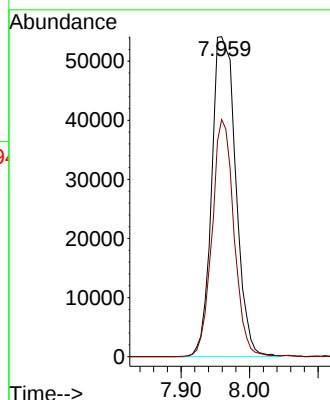
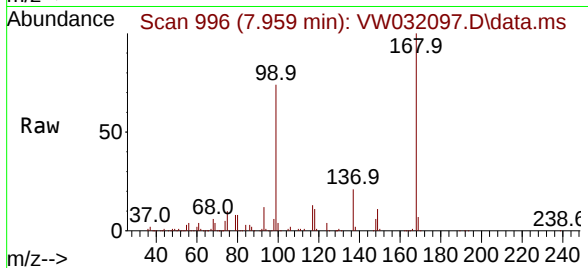
10P-E

Tgt Ion:168 Resp: 132278

Ion Ratio Lower Upper

168 100

99 74.0 56.0 84.0



#33

1,2-Dichloroethane-d4

Concen: 61.092 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032097.D

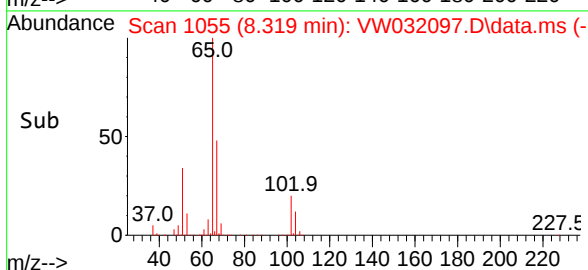
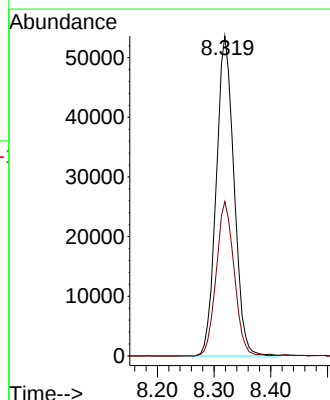
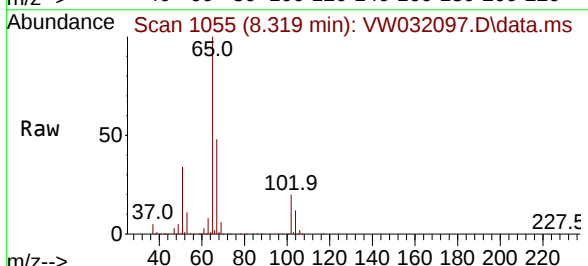
Acq: 14 Aug 2025 16:32

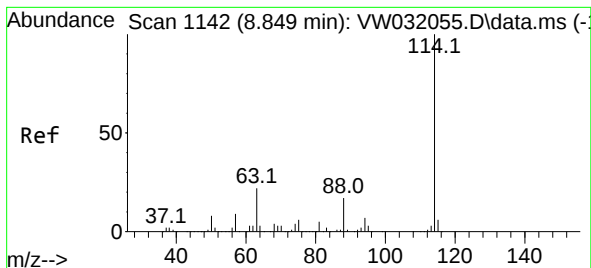
Tgt Ion: 65 Resp: 116875

Ion Ratio Lower Upper

65 100

67 48.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

10P-E

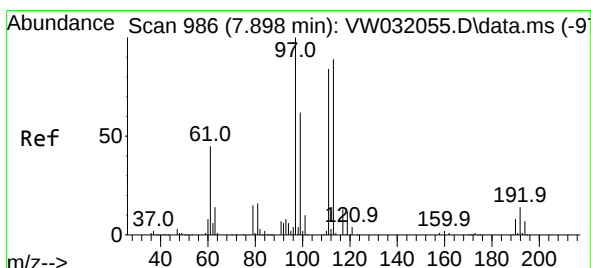
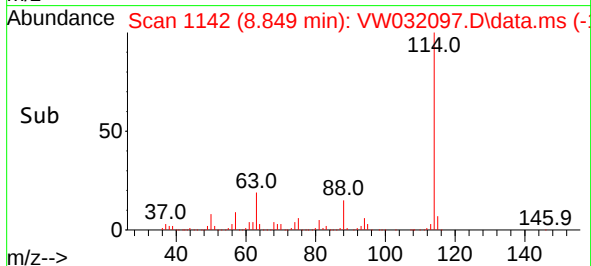
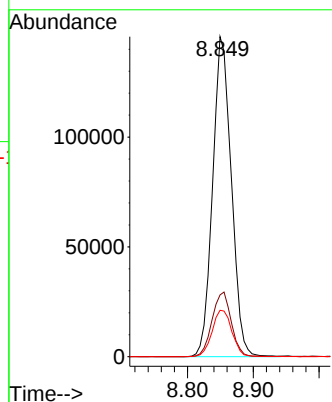
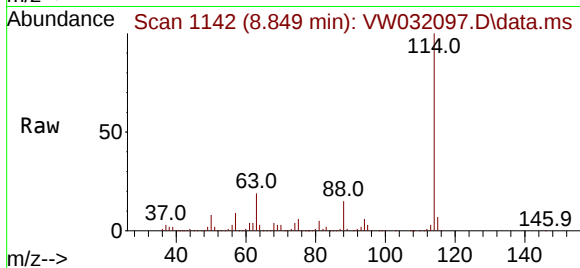
Tgt Ion:114 Resp: 288474

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.0

88 14.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 53.055 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

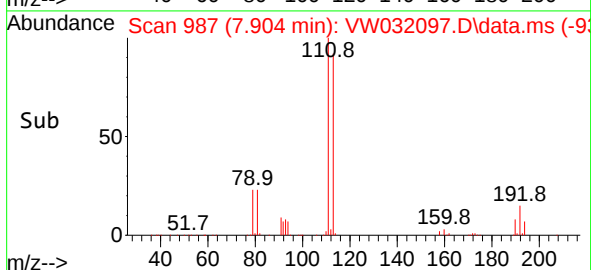
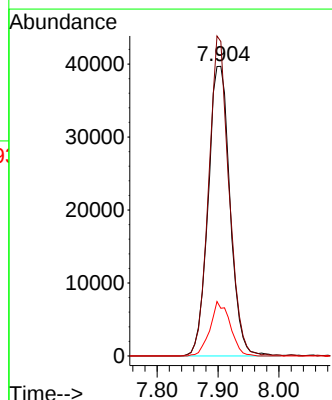
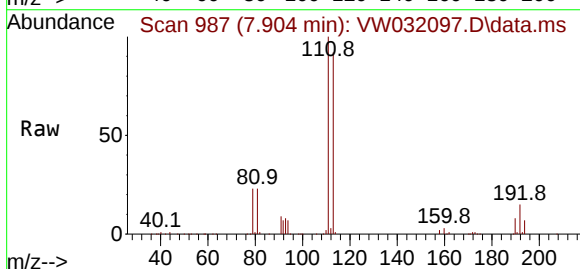
Tgt Ion:113 Resp: 98877

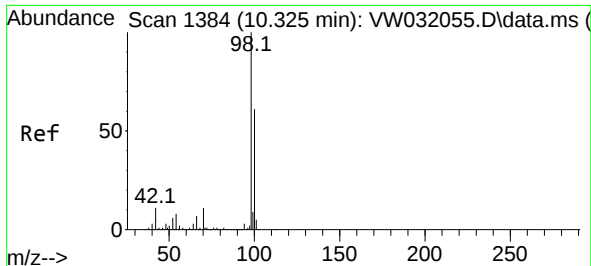
Ion Ratio Lower Upper

113 100

111 102.9 80.1 120.1

192 17.3 13.1 19.7

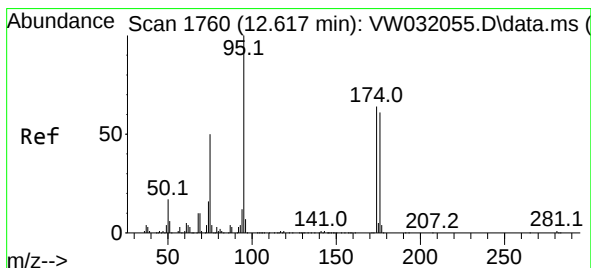
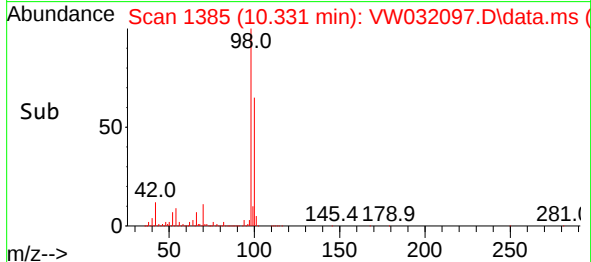
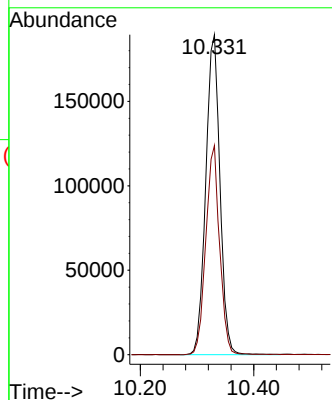
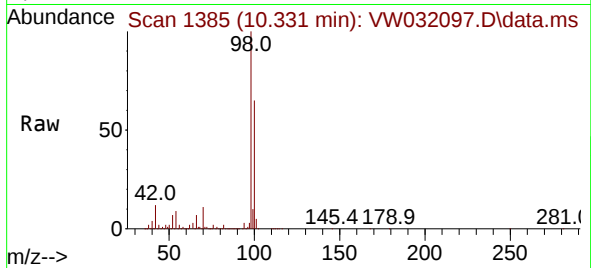




#50
Toluene-d8
Concen: 47.654 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

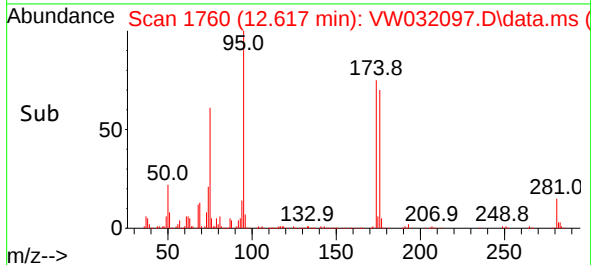
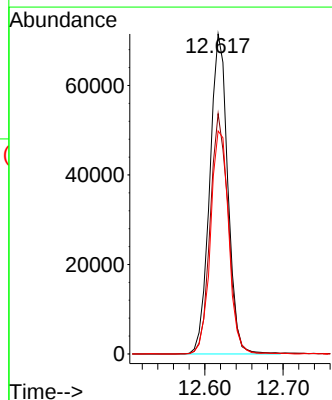
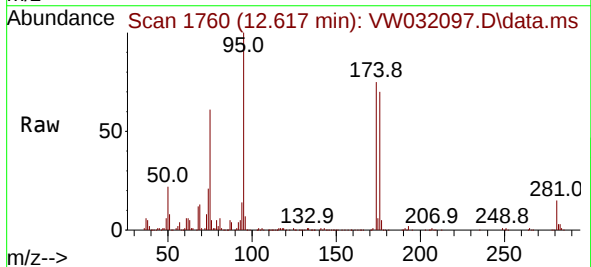
Instrument :
MSVOA_W
ClientSampleId :
10P-E

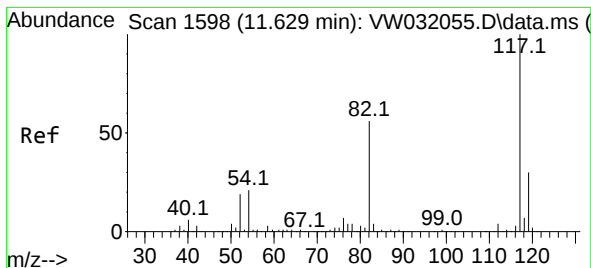
Tgt Ion: 98 Resp: 328487
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 45.092 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032097.D
Acq: 14 Aug 2025 16:32

Tgt Ion: 95 Resp: 114543
Ion Ratio Lower Upper
95 100
174 75.5 0.0 129.0
176 70.5 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1159

Delta R.T. 0.006 min

Lab File: VW032097.D

Acq: 14 Aug 2025 16:32

Instrument :

MSVOA_W

ClientSampleId :

10P-E

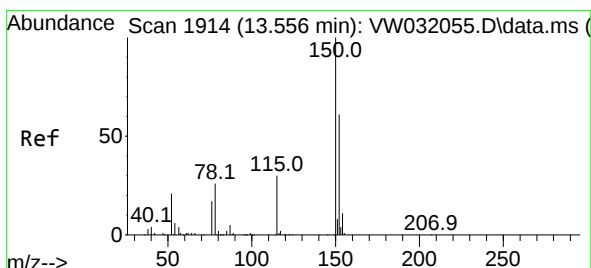
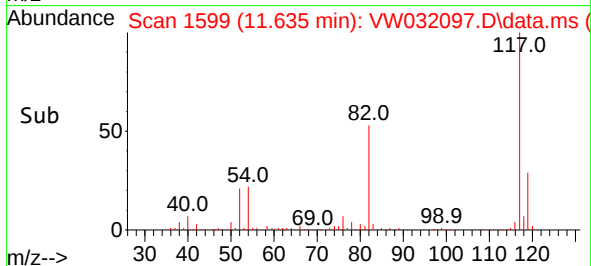
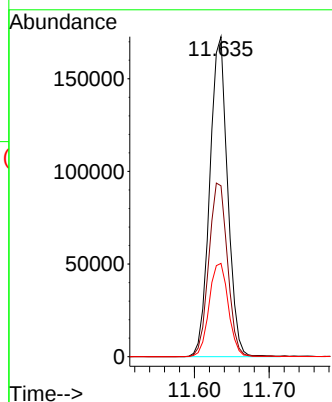
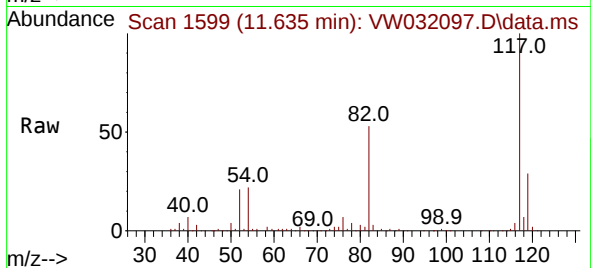
Tgt Ion:117 Resp: 286427

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

119 29.2 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: VW032097.D

Acq: 14 Aug 2025 16:32

Tgt Ion:152 Resp: 140063

Ion Ratio Lower Upper

152 100

115 62.7 32.6 97.8

150 155.1 0.0 359.4

