

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031982.D
 Acq On : 01 Aug 2025 13:47
 Operator : SY/MD
 Sample : Q2747-09
 Misc : 3.29g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-TSCP02-073125

Quant Time: Aug 01 23:13:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	164473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	352062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	286269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	96002	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123320	49.565	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.120%
35) Dibromofluoromethane	7.898	113	116488	48.693	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.380%
50) Toluene-d8	10.325	98	417750	46.139	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.617	95	106188	30.543	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	61.080%

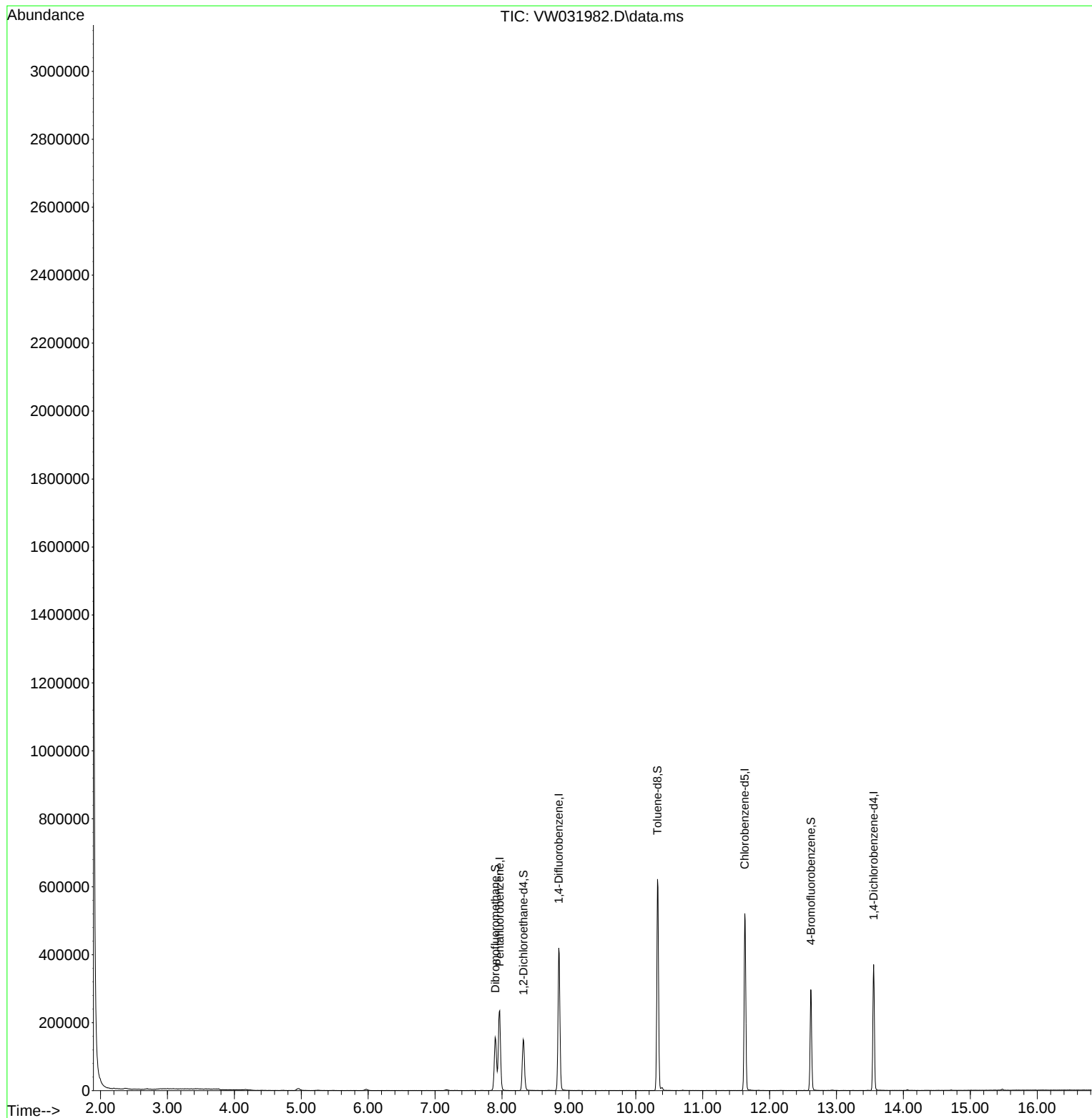
Target Compounds	Qvalue

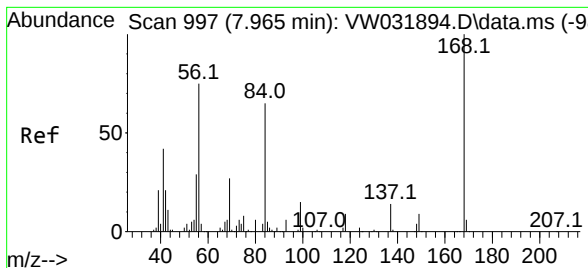
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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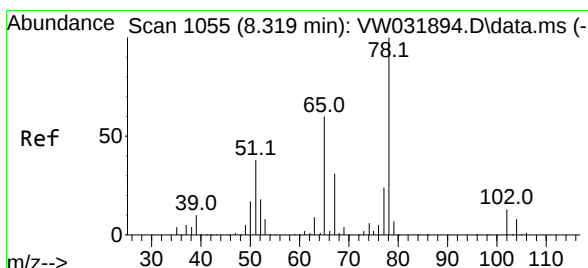
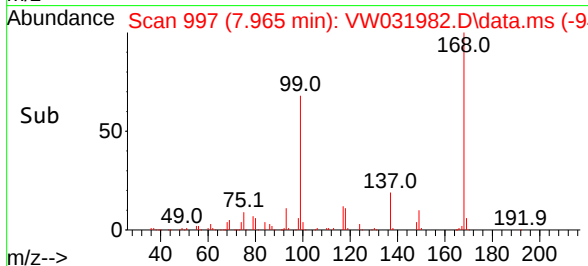
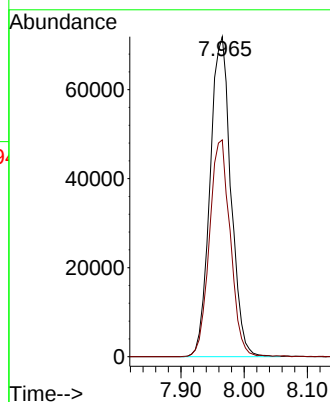
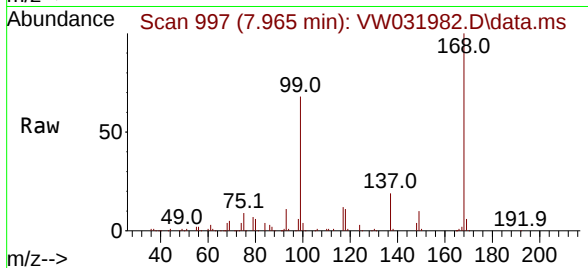




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

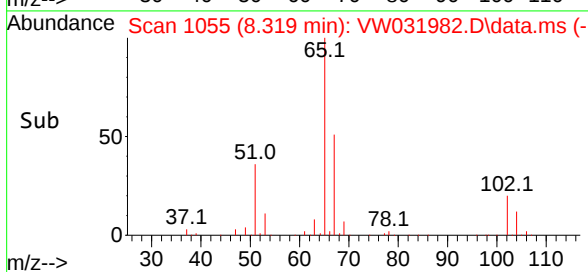
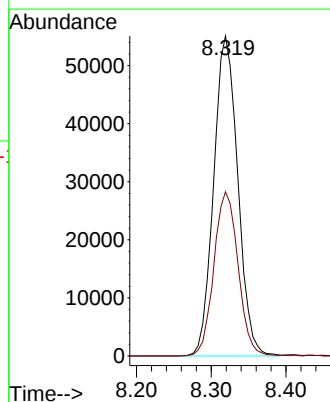
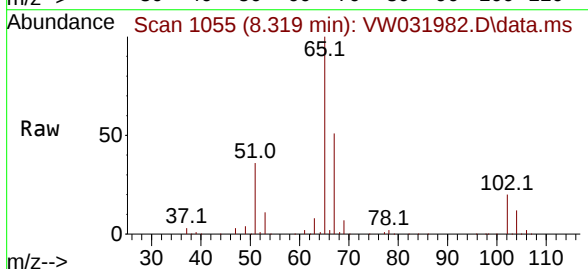
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

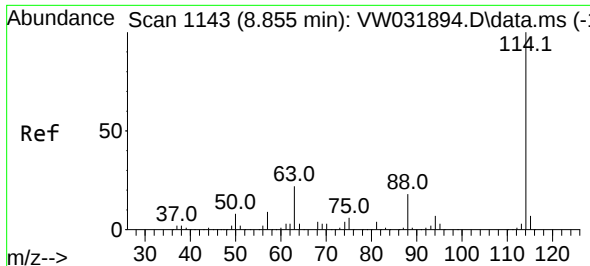
Tgt Ion:168 Resp: 164473
Ion Ratio Lower Upper
168 100
99 67.8 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 49.565 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 65 Resp: 123320
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031982.D

Acq: 01 Aug 2025 13:47

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125

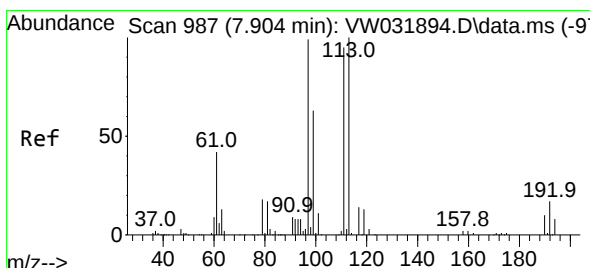
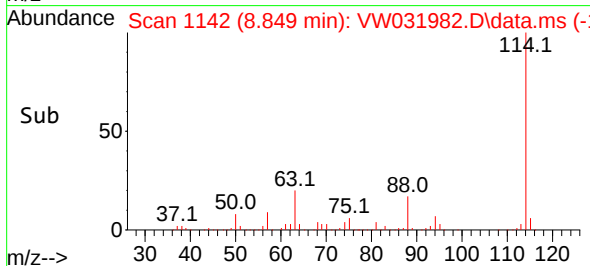
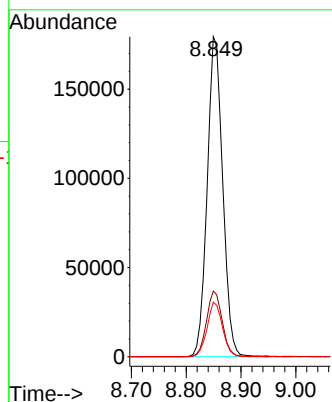
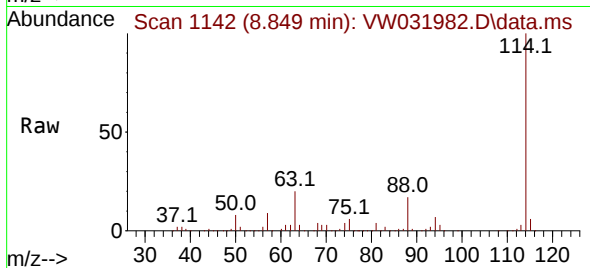
Tgt Ion:114 Resp: 352062

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 17.1 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.693 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031982.D

Acq: 01 Aug 2025 13:47

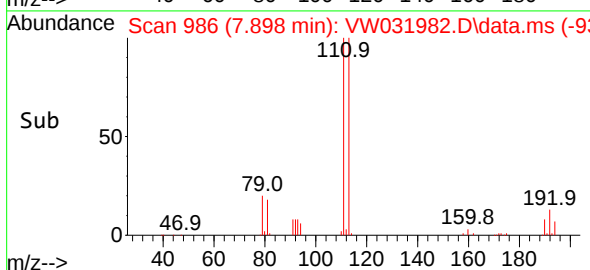
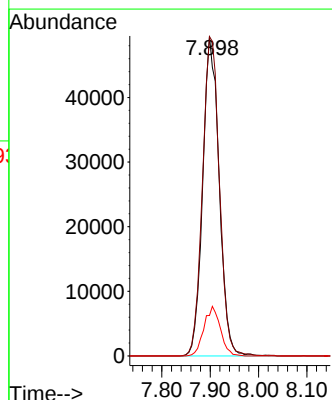
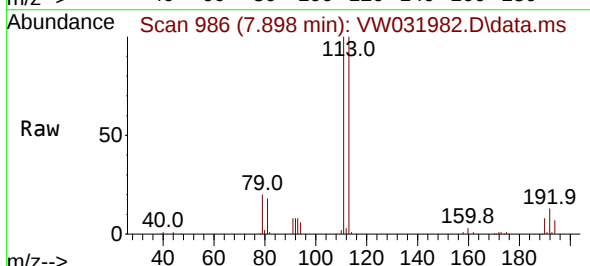
Tgt Ion:113 Resp: 116488

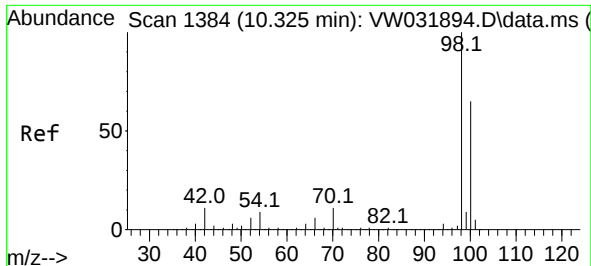
Ion Ratio Lower Upper

113 100

111 103.1 79.9 119.9

192 15.6 12.6 19.0

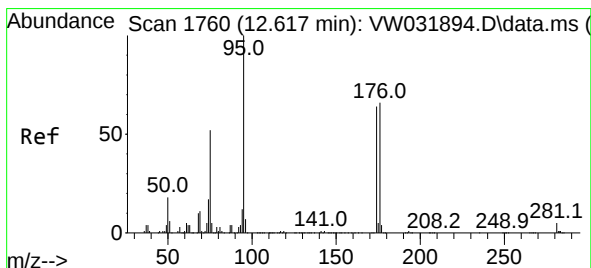
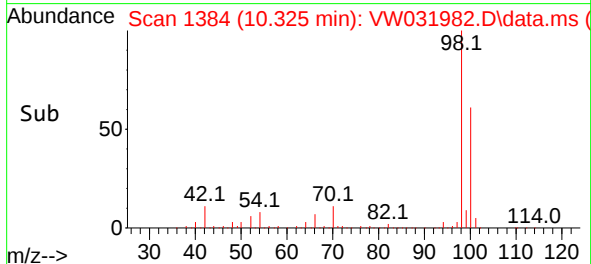
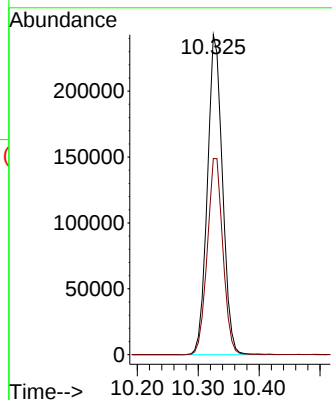
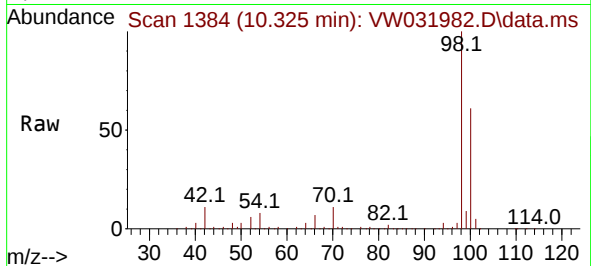




#50
Toluene-d8
Concen: 46.139 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

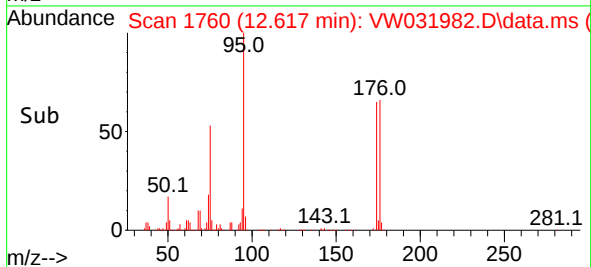
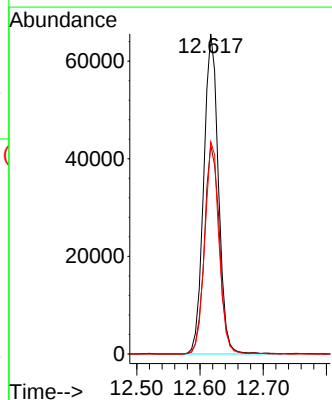
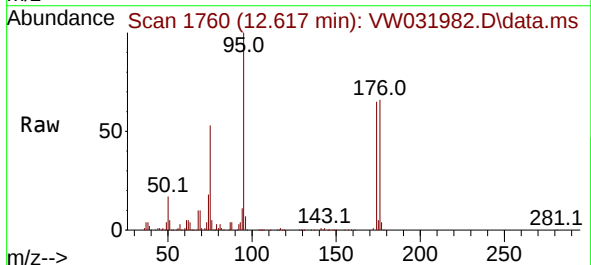
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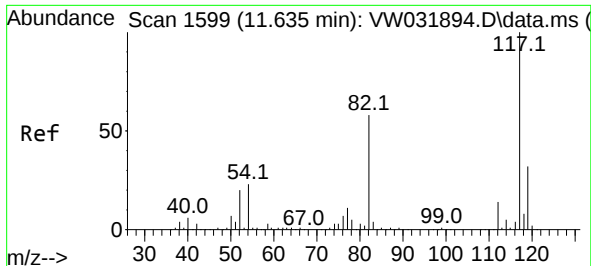
Tgt Ion: 98 Resp: 417750
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 30.543 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion: 95 Resp: 106188
Ion Ratio Lower Upper
95 100
174 66.4 0.0 129.8
176 64.6 0.0 130.4

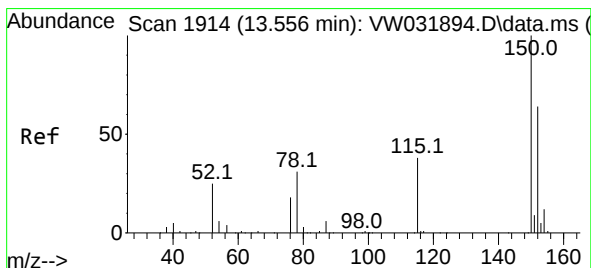
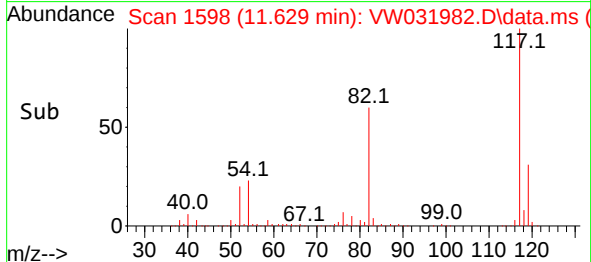
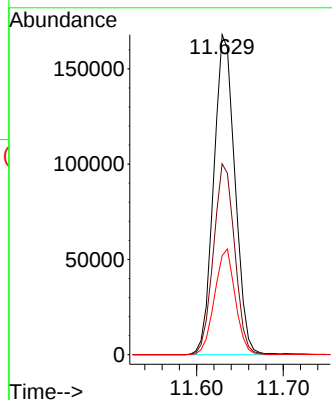
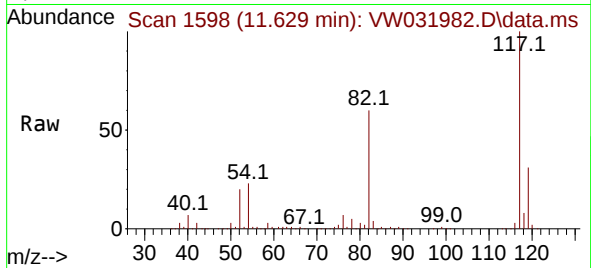




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:117 Resp: 286269
Ion Ratio Lower Upper
117 100
82 59.7 46.5 69.7
119 30.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031982.D
Acq: 01 Aug 2025 13:47

Tgt Ion:152 Resp: 96002
Ion Ratio Lower Upper
152 100
115 62.6 33.4 100.1
150 155.1 0.0 352.2

