

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031981.D
 Acq On : 01 Aug 2025 13:24
 Operator : SY/MD
 Sample : Q2747-07
 Misc : 2.78g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-TSCP01-073125

Quant Time: Aug 01 23:12:38 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	167026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	345398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	278680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	92634	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	122782	48.594	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.180%
35) Dibromofluoromethane	7.898	113	112710	48.022	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.040%
50) Toluene-d8	10.325	98	393444	44.293	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.580%
62) 4-Bromofluorobenzene	12.617	95	103545	30.358	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	60.720%

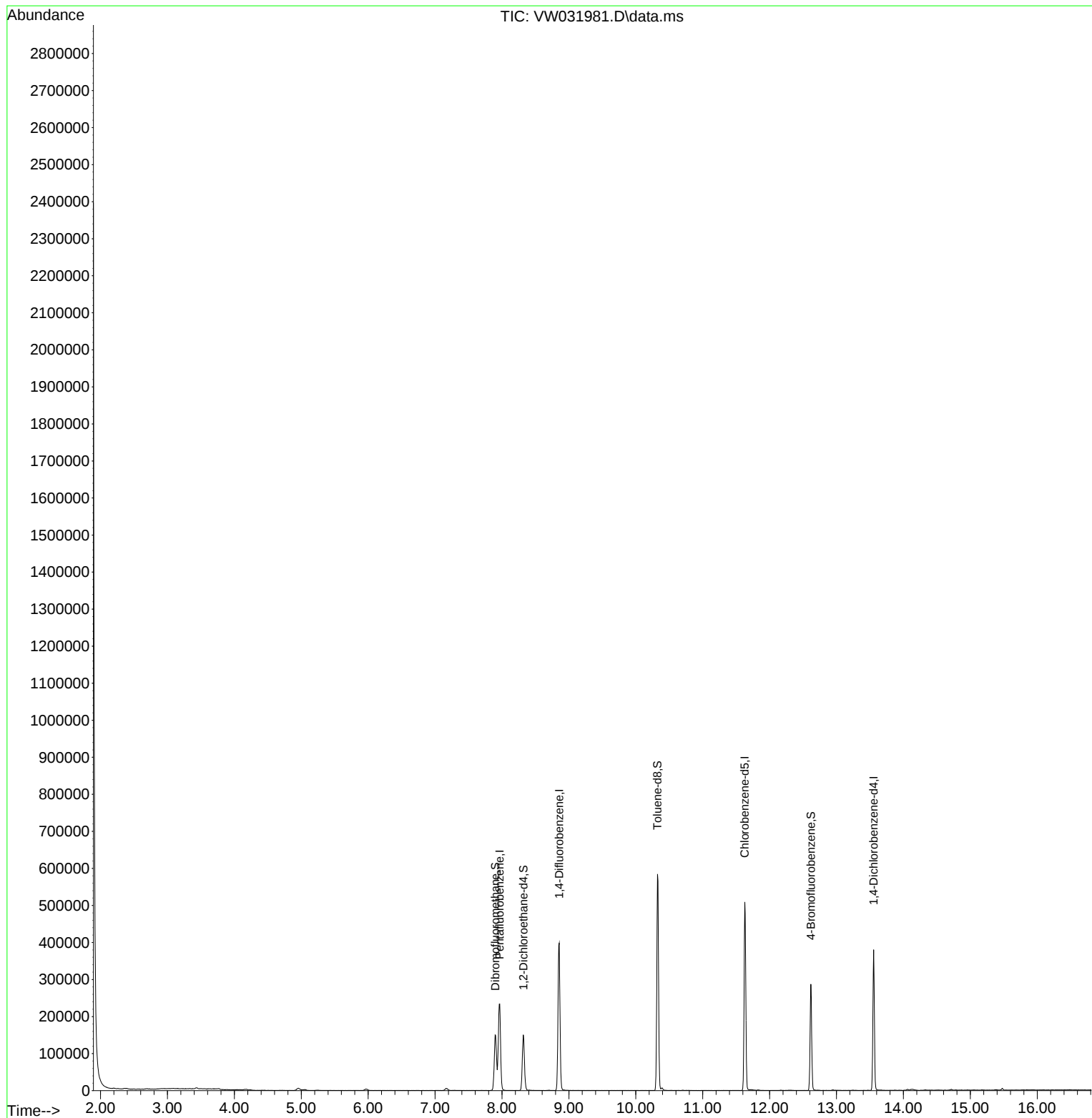
Target Compounds	Qvalue

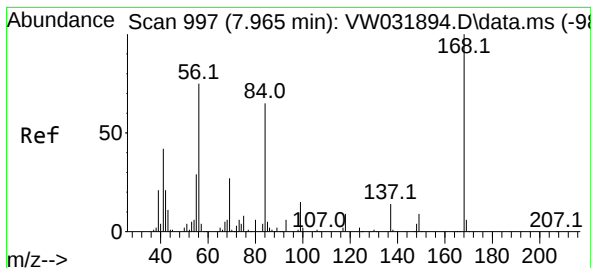
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW031981.D

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Instrument :

MSVOA_W

ClientSampleId :

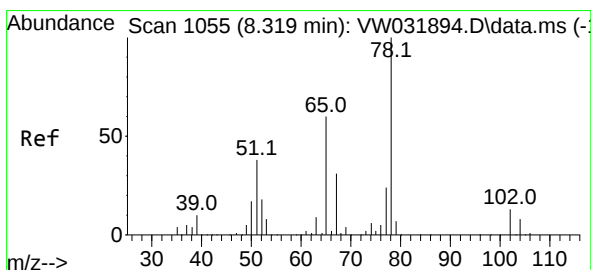
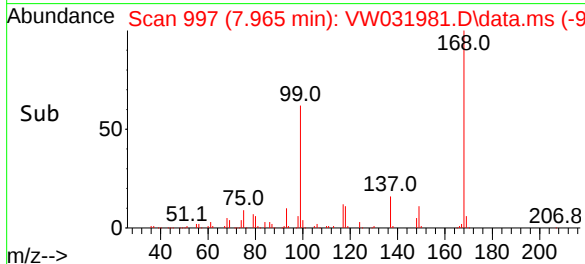
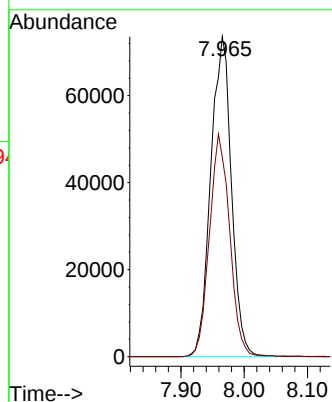
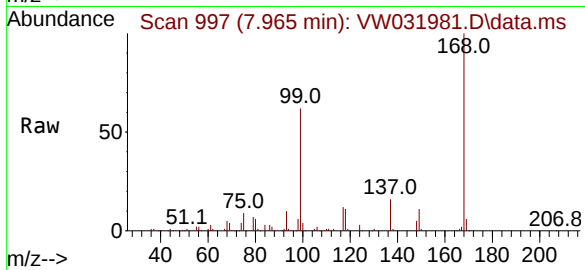
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:168 Resp: 167026

Ion Ratio Lower Upper

168 100

99 62.3 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 48.594 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031981.D

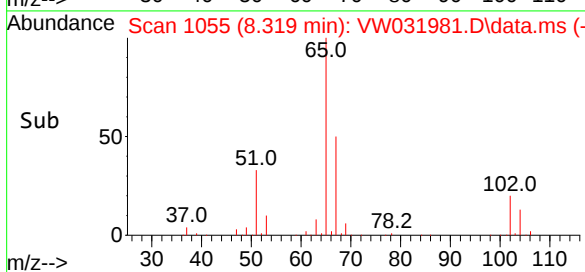
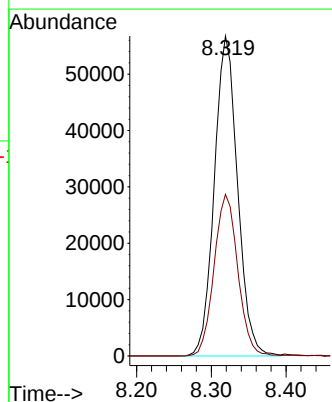
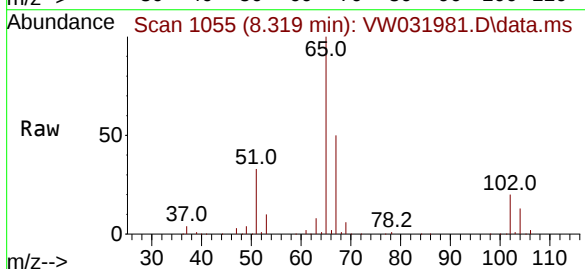
Acq: 01 Aug 2025 13:24

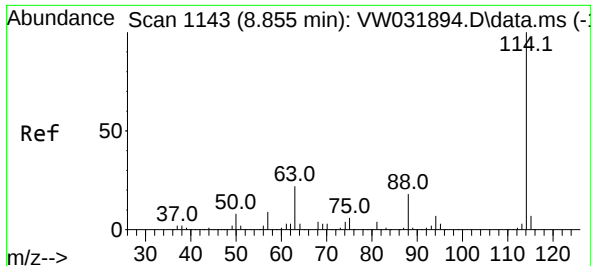
Tgt Ion: 65 Resp: 122782

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW031981.D

Acq: 01 Aug 2025 13:24

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

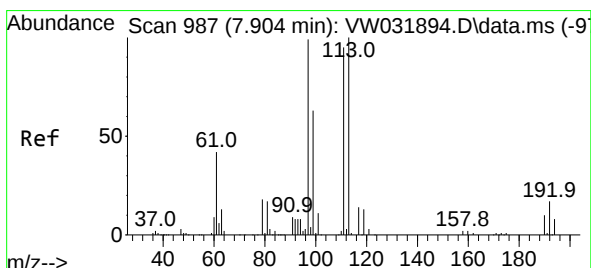
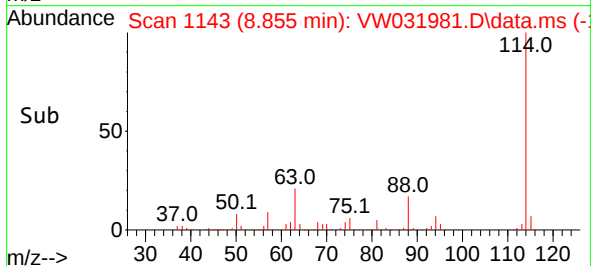
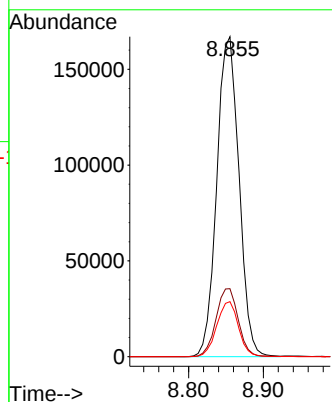
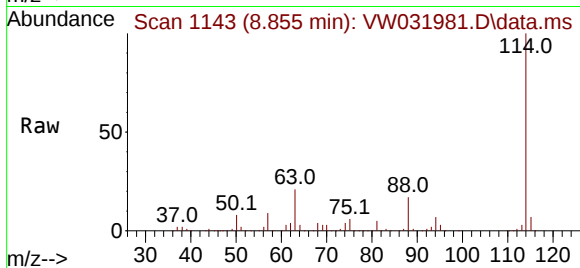
Tgt Ion:114 Resp: 345398

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.2

88 17.2 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.022 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031981.D

Acq: 01 Aug 2025 13:24

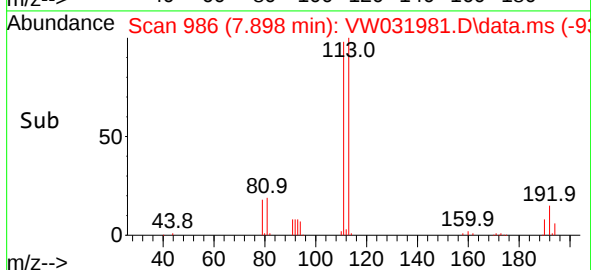
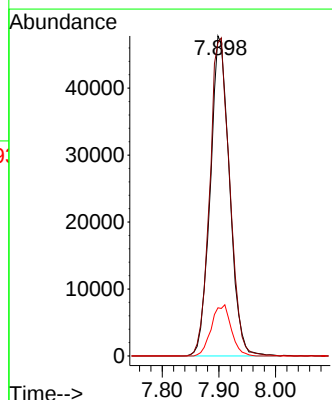
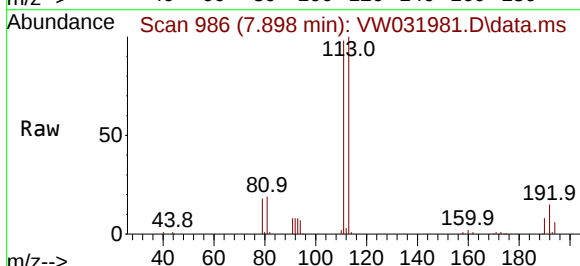
Tgt Ion:113 Resp: 112710

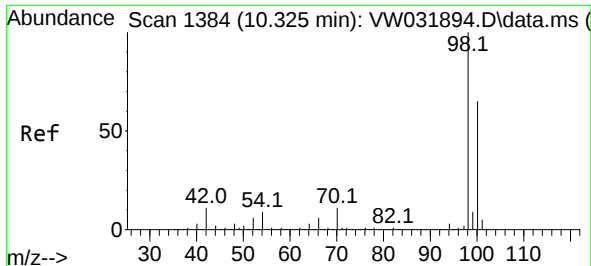
Ion Ratio Lower Upper

113 100

111 102.7 79.9 119.9

192 16.4 12.6 19.0

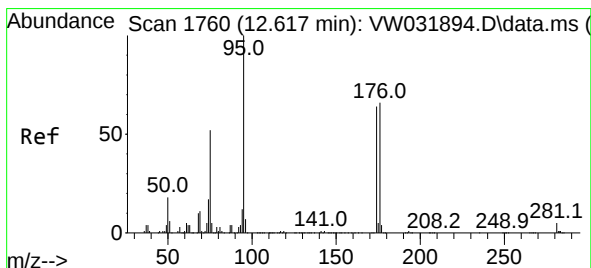
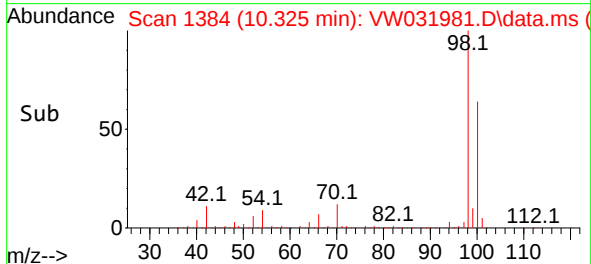
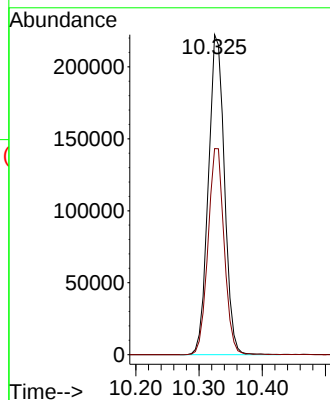
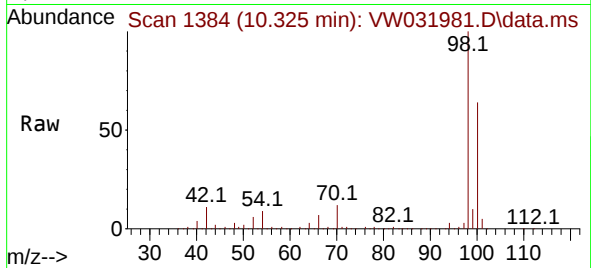




#50
Toluene-d8
Concen: 44.293 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

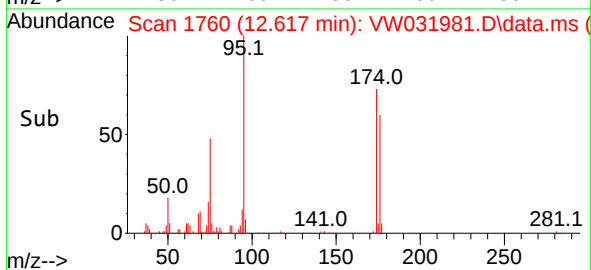
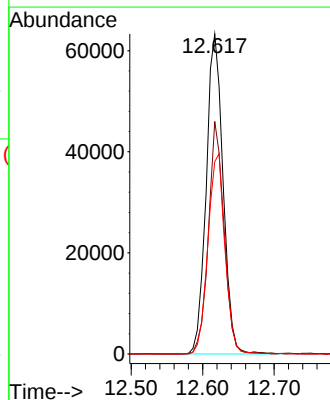
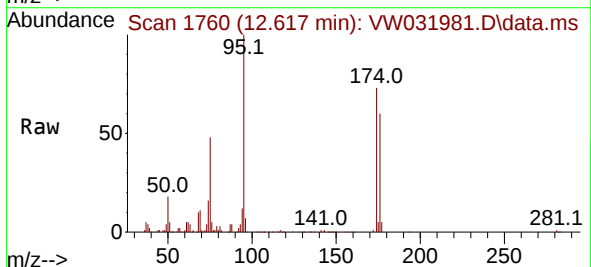
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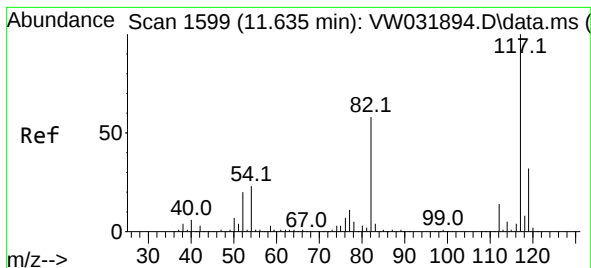
Tgt Ion: 98 Resp: 393444
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 30.358 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion: 95 Resp: 103545
Ion Ratio Lower Upper
95 100
174 67.5 0.0 129.8
176 63.1 0.0 130.4

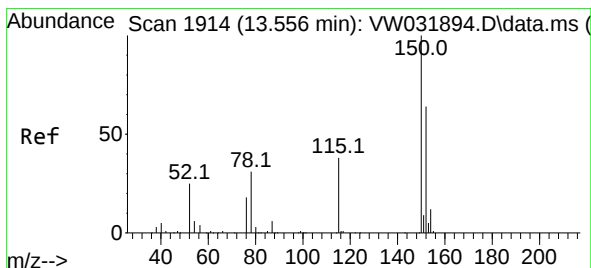
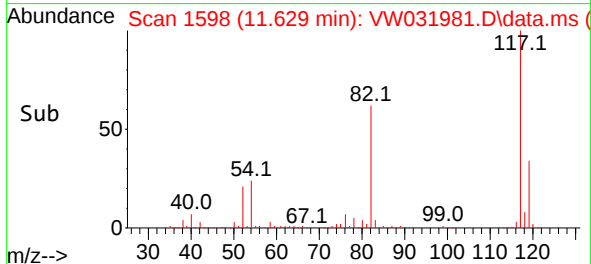
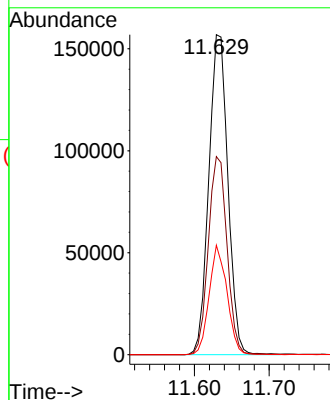
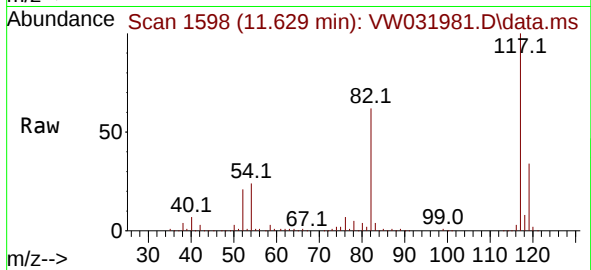




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031981.D
Acq: 01 Aug 2025 13:24

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:117 Resp: 278680
Ion Ratio Lower Upper
117 100
82 61.9 46.5 69.7
119 34.2 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: VW031981.D
Acq: 01 Aug 2025 13:24

Tgt Ion:152 Resp: 92634
Ion Ratio Lower Upper
152 100
115 64.3 33.4 100.1
150 154.3 0.0 352.2

