

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031995.D
 Acq On : 04 Aug 2025 12:50
 Operator : SY/MD
 Sample : Q2747-09RE
 Misc : 3.15g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 05 01:18:04 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	7.959	168	170532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	301306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	100656	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129306	50.124	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	100.240%
35) Dibromofluoromethane	7.904	113	120157	48.963	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.920%
50) Toluene-d8	10.325	98	430665	46.369	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.740%
62) 4-Bromofluorobenzene	12.617	95	116131	32.563	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	65.120%

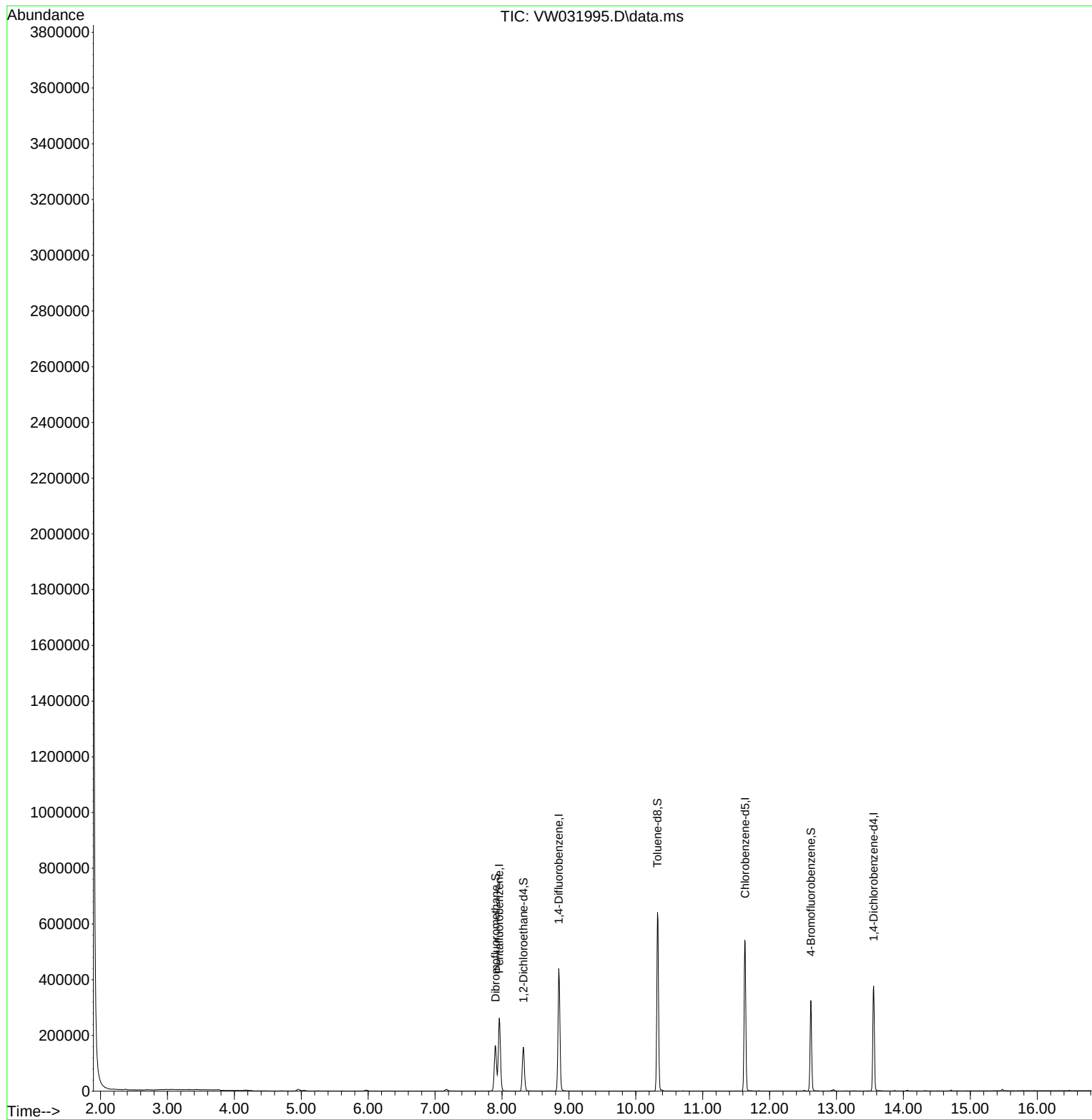
Target Compounds	Qvalue

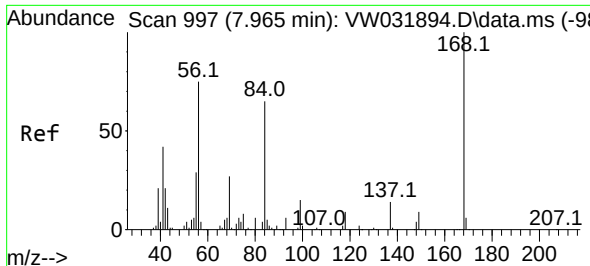
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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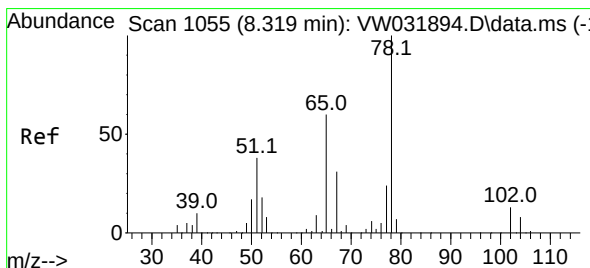
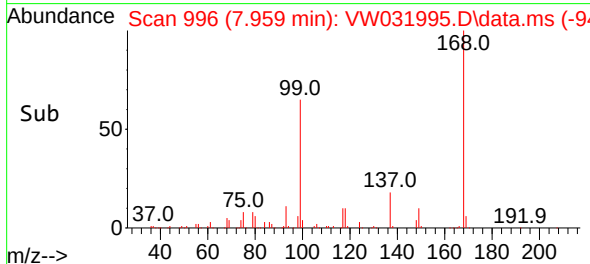
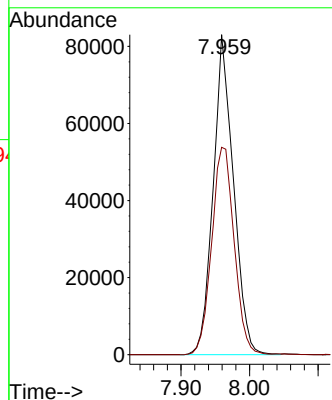
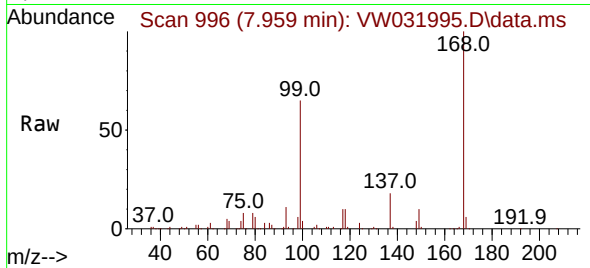




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

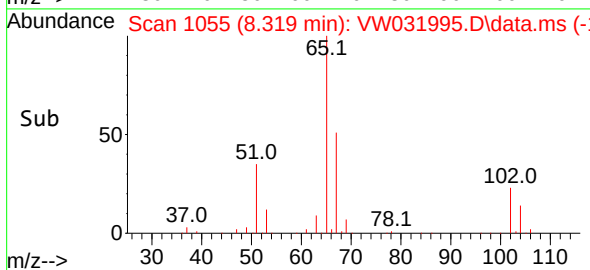
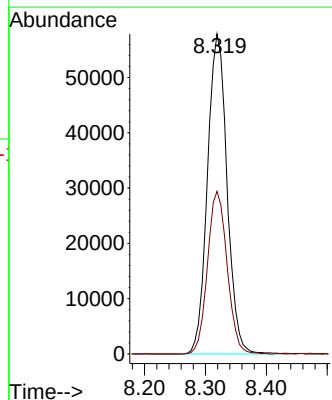
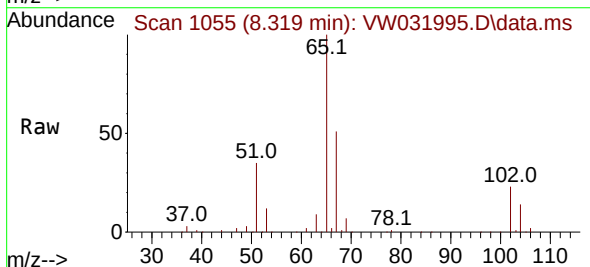
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125RE

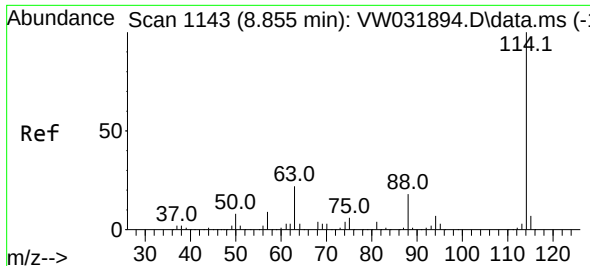
Tgt Ion:168 Resp: 170532
Ion Ratio Lower Upper
168 100
99 64.8 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 50.124 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 65 Resp: 129306
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4

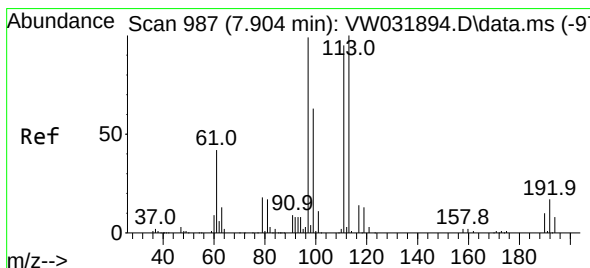
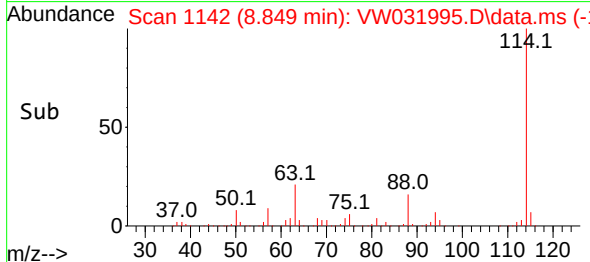
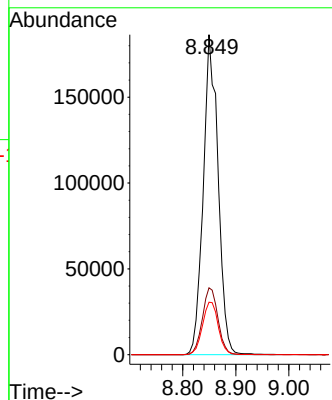
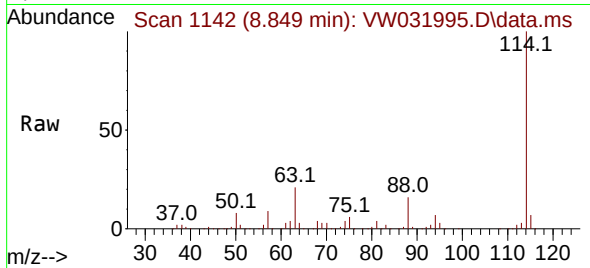




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

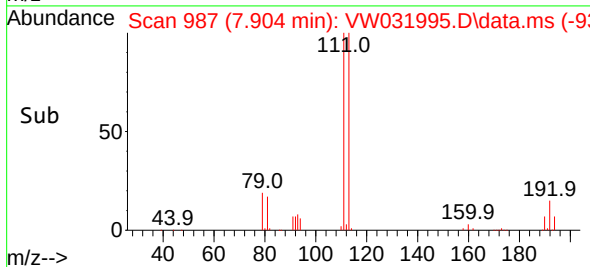
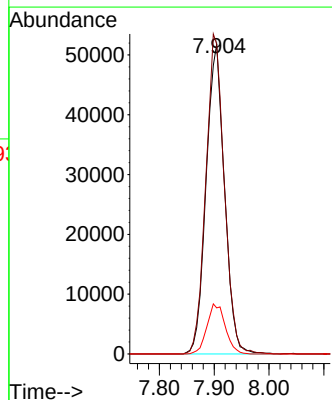
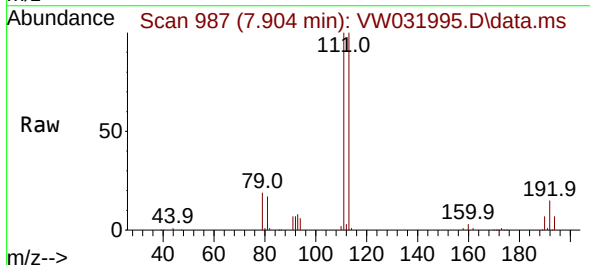
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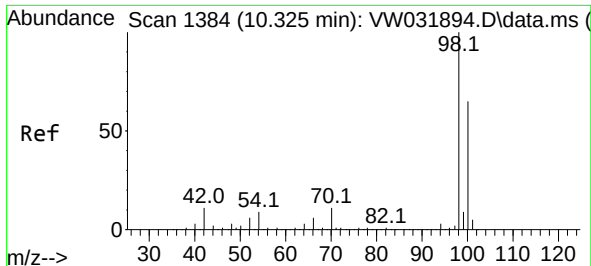
Tgt Ion:114 Resp: 361147
Ion Ratio Lower Upper
114 100
63 20.9 0.0 44.2
88 16.4 0.0 35.6



#35
Dibromofluoromethane
Concen: 48.963 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion:113 Resp: 120157
Ion Ratio Lower Upper
113 100
111 103.6 79.9 119.9
192 16.2 12.6 19.0

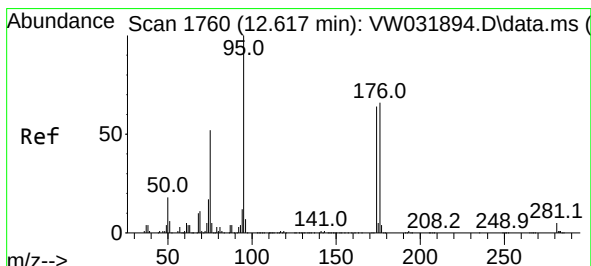
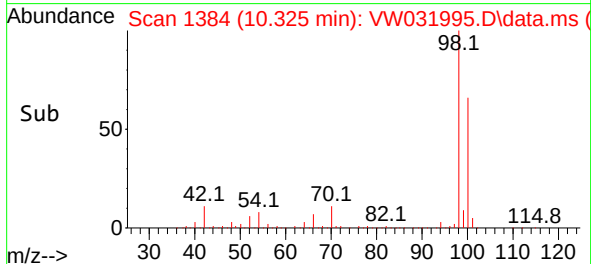
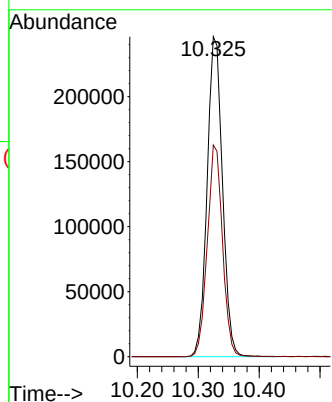
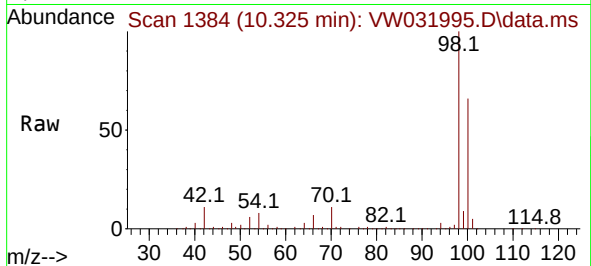




#50
Toluene-d8
Concen: 46.369 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

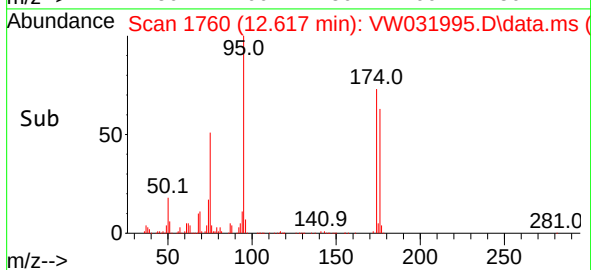
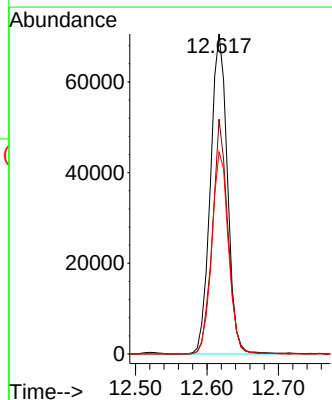
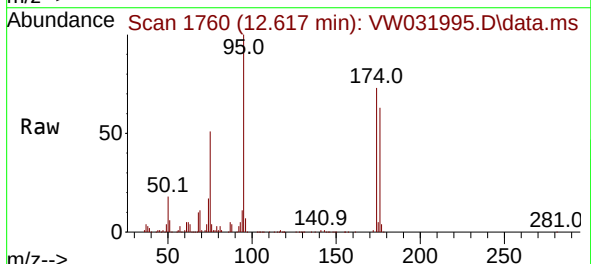
Instrument :
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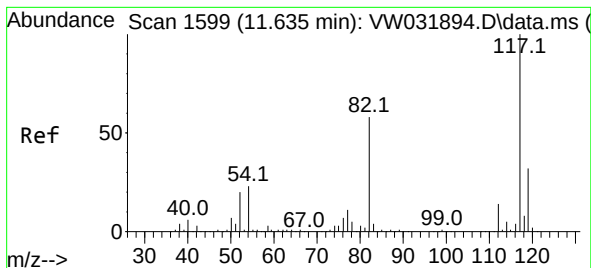
Tgt Ion: 98 Resp: 430665
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 32.563 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion: 95 Resp: 116131
Ion Ratio Lower Upper
95 100
174 66.9 0.0 129.8
176 62.2 0.0 130.4

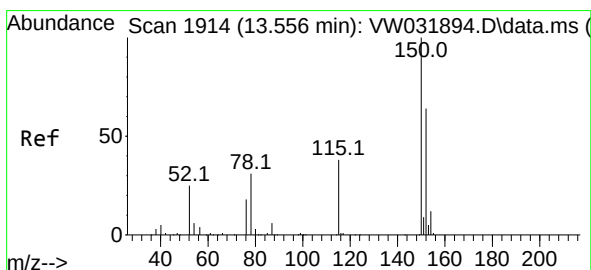
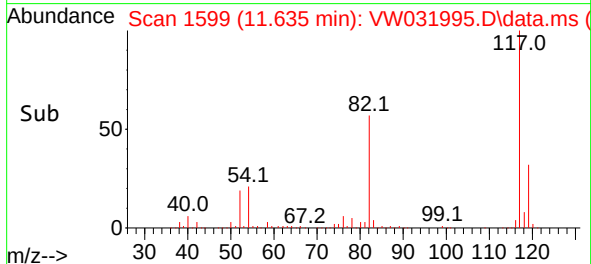
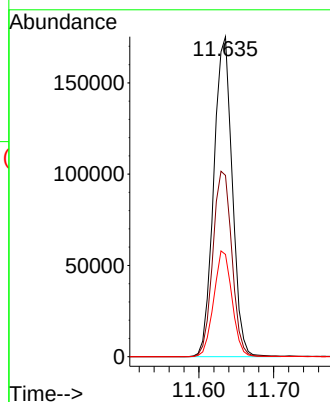
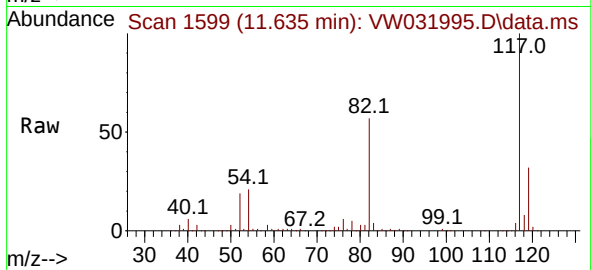




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031995.D
Acq: 04 Aug 2025 12:50

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

Tgt Ion:117 Resp: 301306
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.0 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: VW031995.D
Acq: 04 Aug 2025 12:50

Tgt Ion:152 Resp: 100656
Ion Ratio Lower Upper
152 100
115 65.2 33.4 100.1
150 150.0 0.0 352.2

