

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032099.D
 Acq On : 14 Aug 2025 17:17
 Operator : SY/MD
 Sample : Q2820-16
 Misc : 6.08g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 10P-N

Quant Time: Aug 18 03:55:43 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	140424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	293737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	291999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	143336	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121097	59.626	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	119.260%
35) Dibromofluoromethane	7.904	113	104532	55.085	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.160%
50) Toluene-d8	10.324	98	354525	50.510	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.617	95	133098	51.458	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.920%

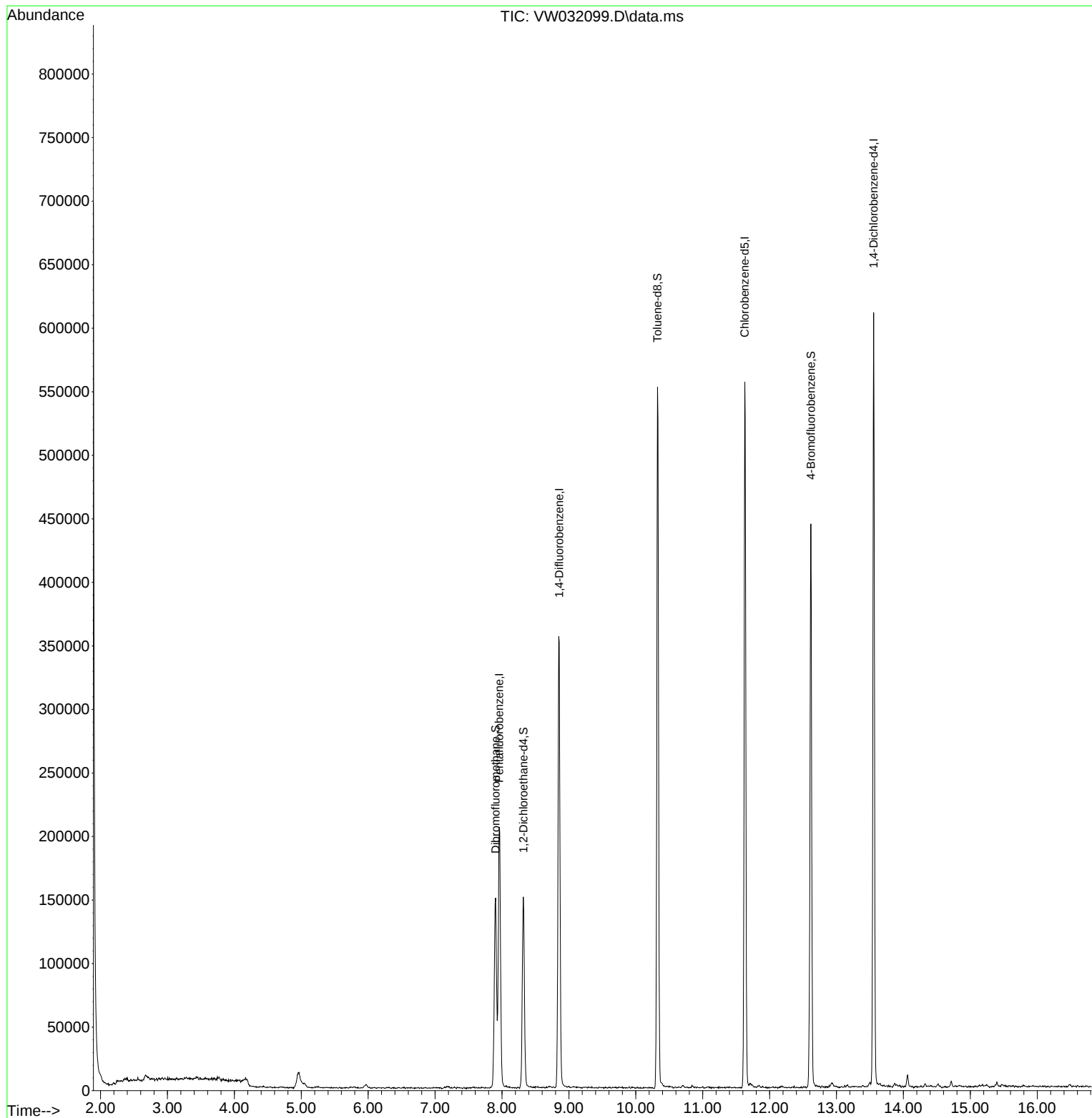
Target Compounds	Qvalue

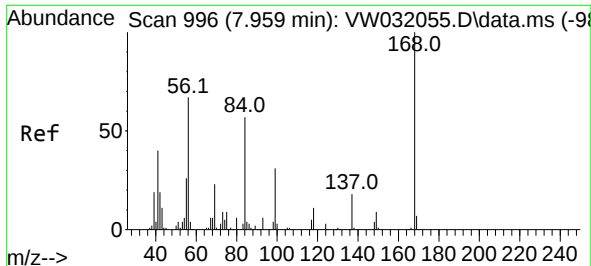
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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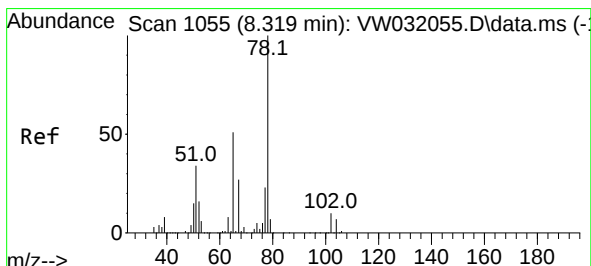
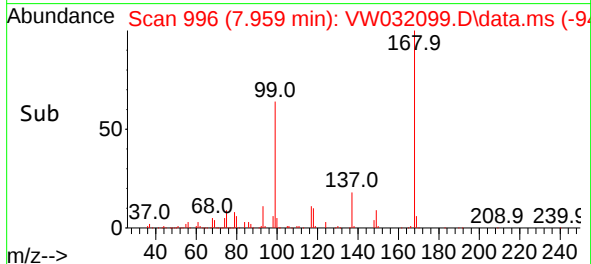
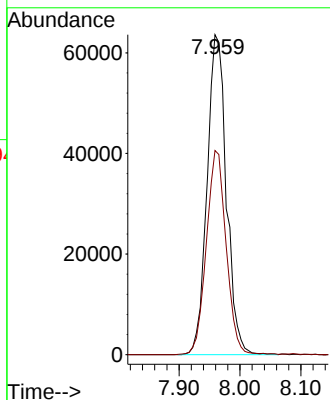
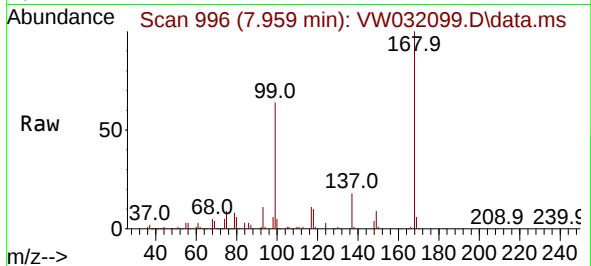




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

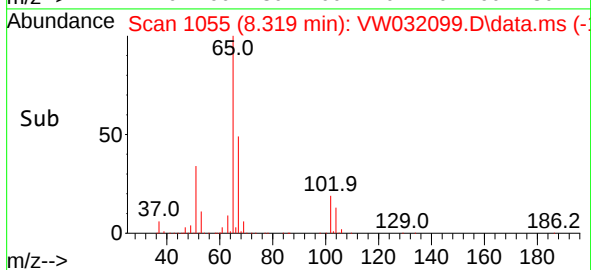
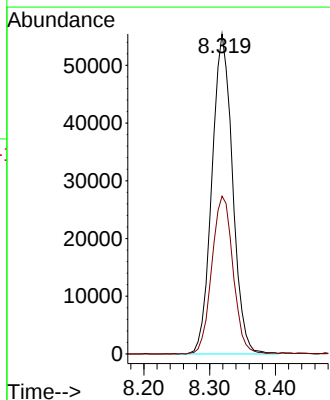
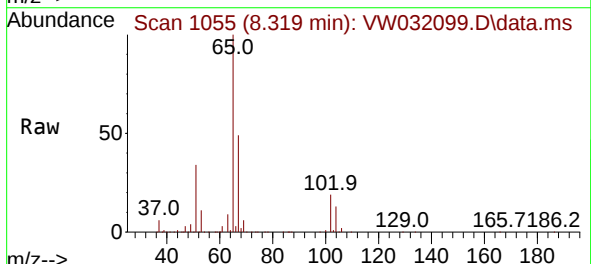
Instrument :
MSVOA_W
ClientSampleId :
10P-N

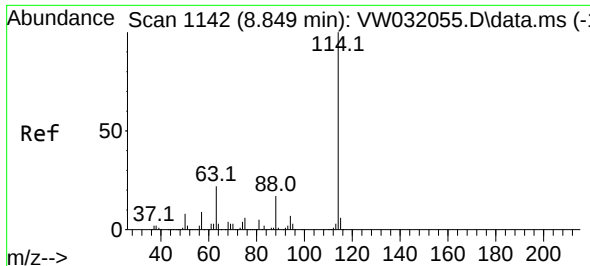
Tgt Ion:168 Resp: 140424
Ion Ratio Lower Upper
168 100
99 63.7 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 59.626 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 65 Resp: 121097
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.4

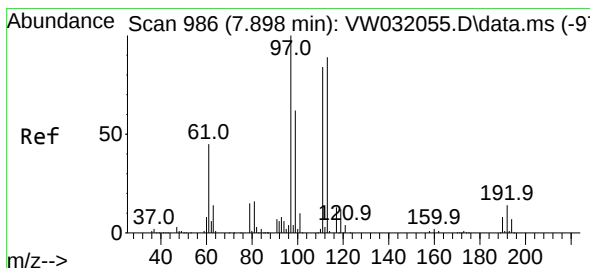
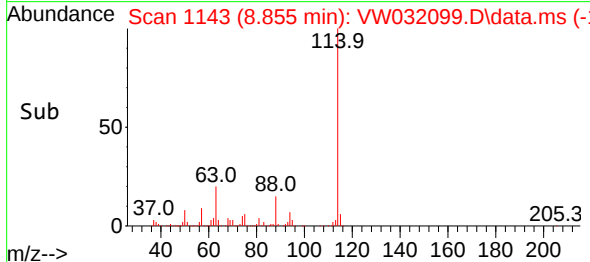
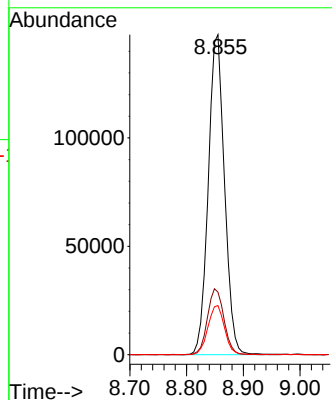
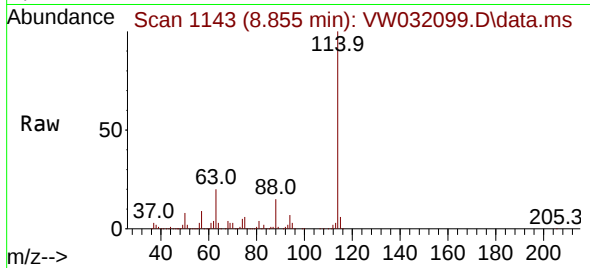




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

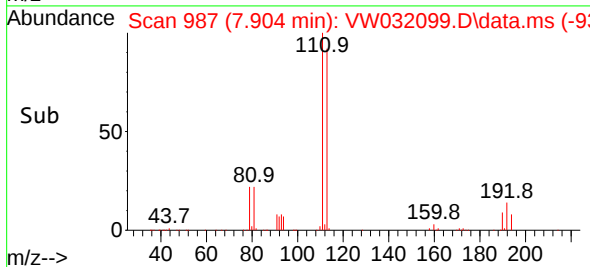
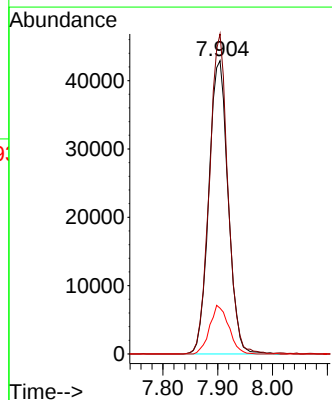
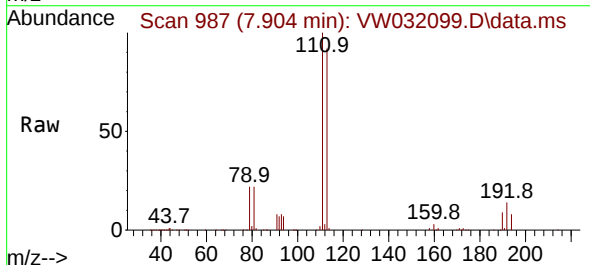
Instrument :
MSVOA_W
ClientSampleId :
10P-N

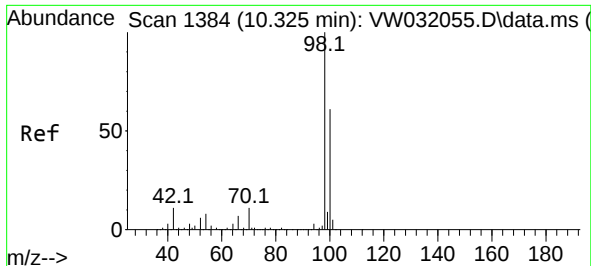
Tgt Ion:114 Resp: 293737
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.0
88 15.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.085 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion:113 Resp: 104532
Ion Ratio Lower Upper
113 100
111 104.8 80.1 120.1
192 16.4 13.1 19.7

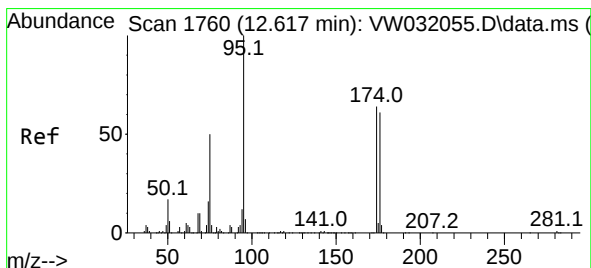
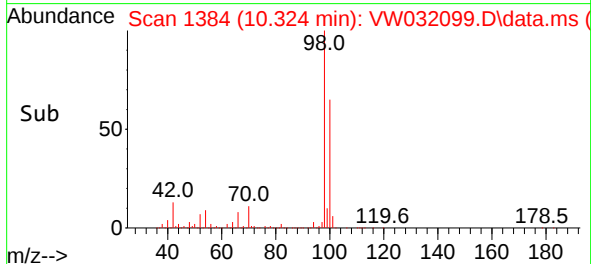
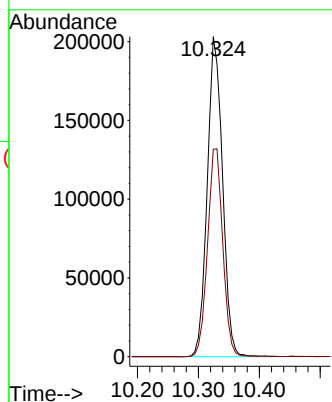
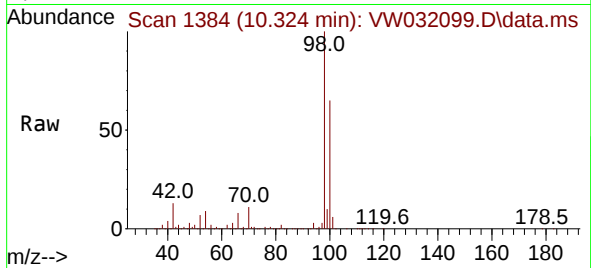




#50
Toluene-d8
Concen: 50.510 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

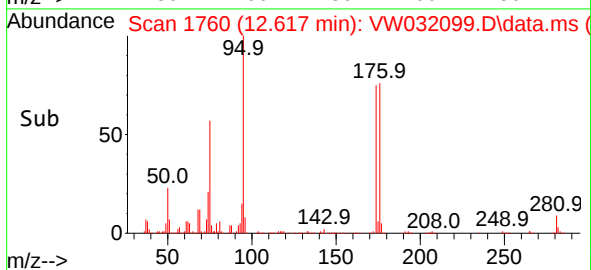
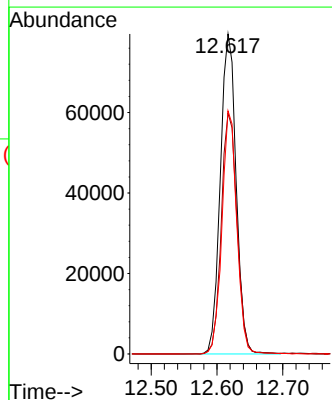
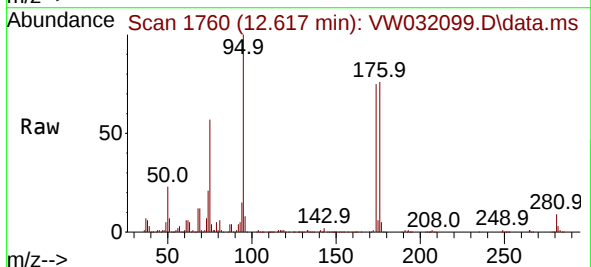
Instrument :
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10P-N

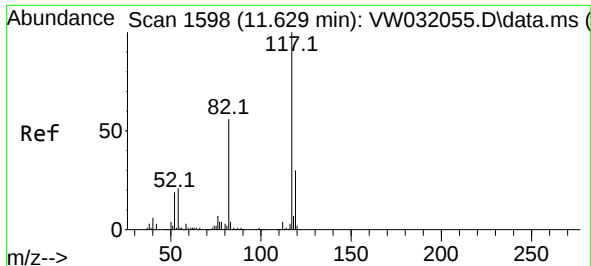
Tgt Ion: 98 Resp: 354525
Ion Ratio Lower Upper
98 100
100 64.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.458 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion: 95 Resp: 133098
Ion Ratio Lower Upper
95 100
174 75.2 0.0 129.0
176 71.5 0.0 124.6

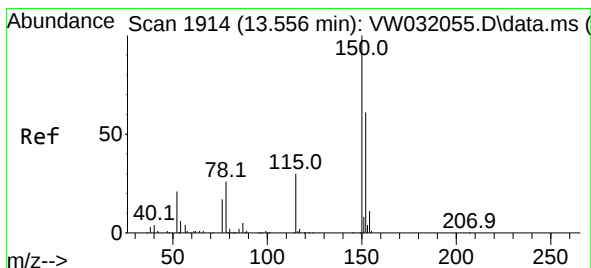
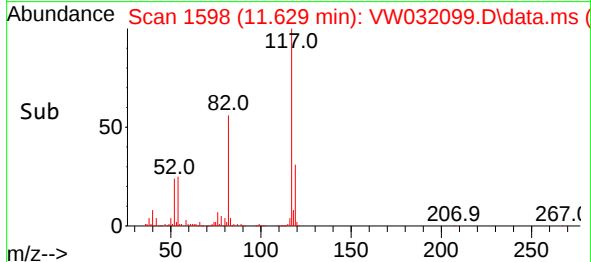
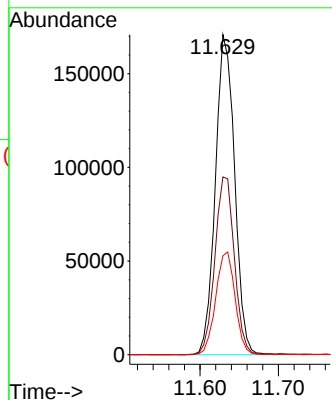
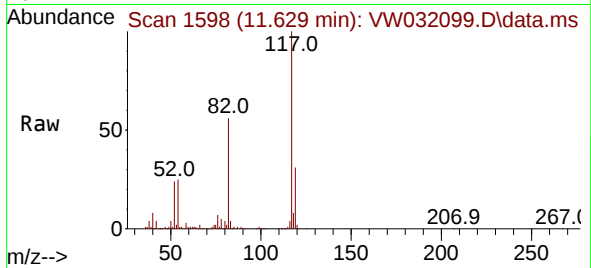




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032099.D
Acq: 14 Aug 2025 17:17

Instrument :
MSVOA_W
ClientSampleId :
10P-N

Tgt Ion:117 Resp: 291999
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 30.9 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: VW032099.D
Acq: 14 Aug 2025 17:17

Tgt Ion:152 Resp: 143336
Ion Ratio Lower Upper
152 100
115 64.4 32.6 97.8
150 161.9 0.0 359.4

