

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031870.D
 Acq On : 16 Jul 2025 12:07
 Operator : SY/MD
 Sample : Q2614-02
 Misc : 4.61g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-MCN-VOC-01

Quant Time: Jul 17 04:01:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	178430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	353998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	283463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	88709	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	119529	46.679	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	93.360%
35) Dibromofluoromethane	7.904	113	108542	46.988	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.980%
50) Toluene-d8	10.331	98	369898	43.029	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.060%
62) 4-Bromofluorobenzene	12.617	95	110170	34.825	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	69.660%

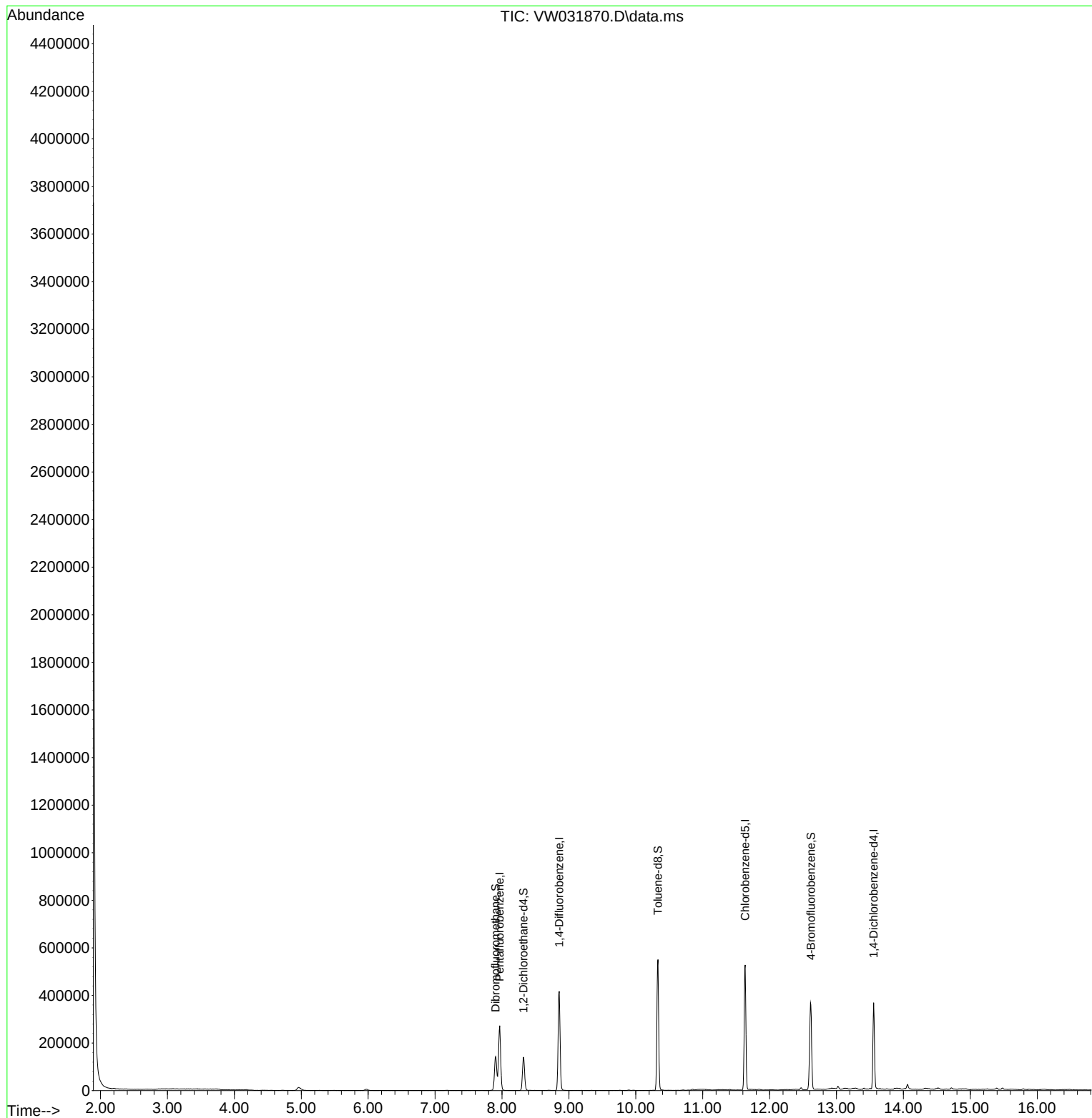
Target Compounds	Qvalue

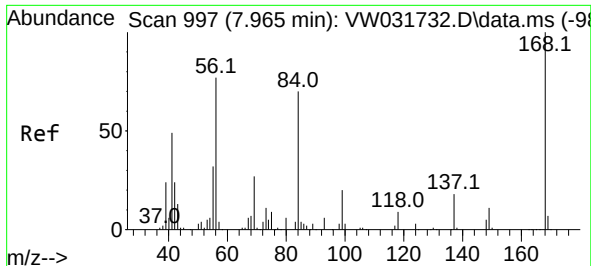
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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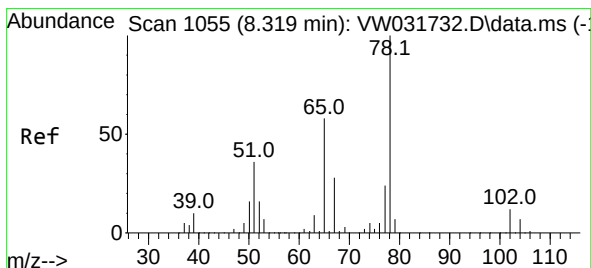
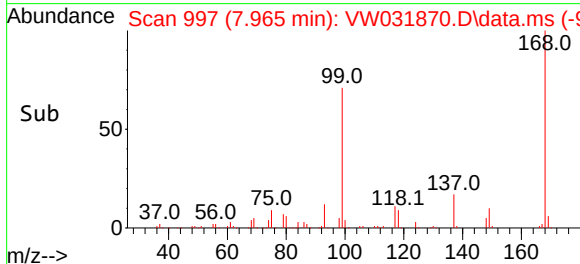
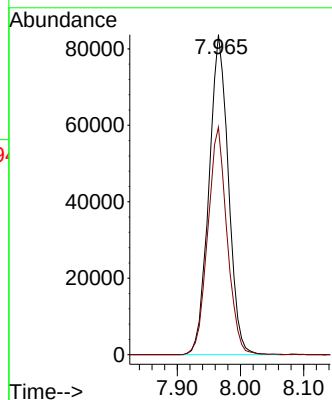
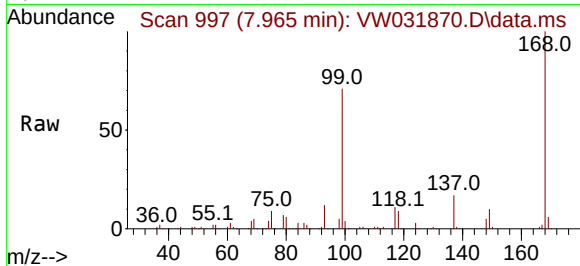




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

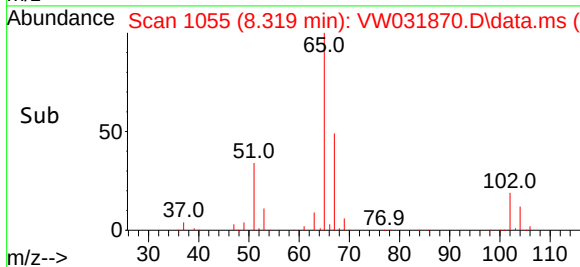
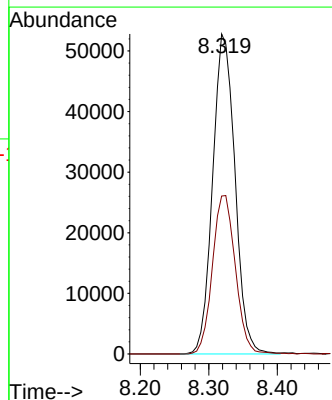
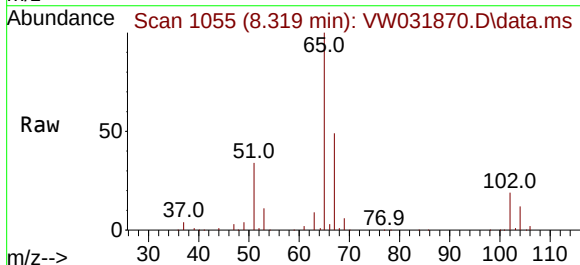
Instrument :
MSVOA_W
ClientSampleId :
HR-MCN-VOC-01

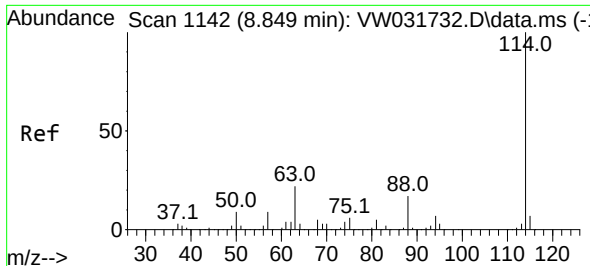
Tgt Ion:168 Resp: 178430
Ion Ratio Lower Upper
168 100
99 71.1 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 46.679 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Tgt Ion: 65 Resp: 119529
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.4

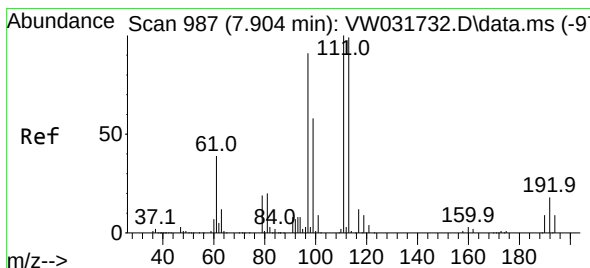
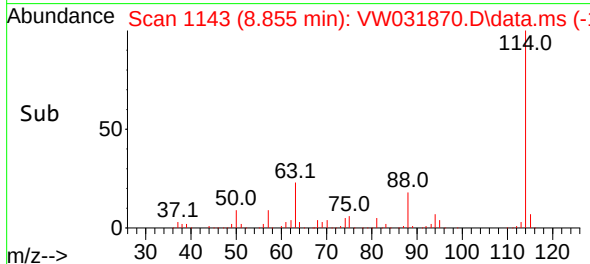
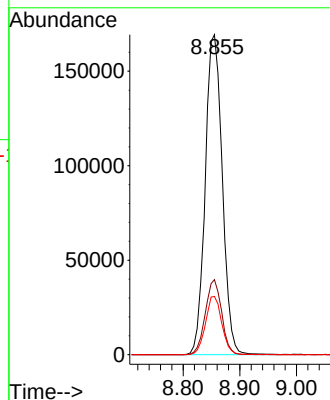
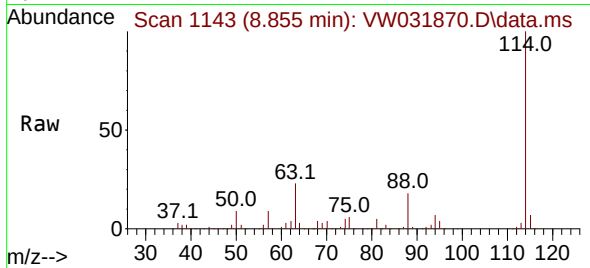




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1142
 Delta R.T. 0.006 min
 Lab File: VW031870.D
 Acq: 16 Jul 2025 12:07

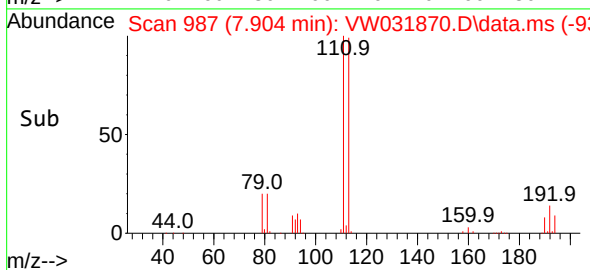
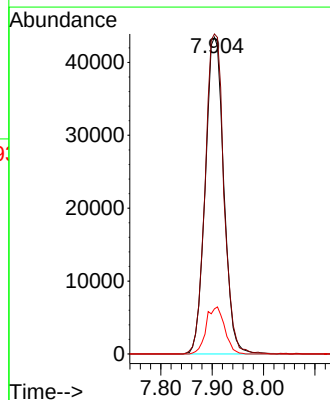
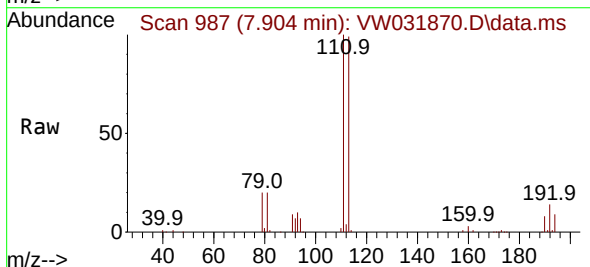
Instrument :
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 ClientSampleId :
 HR-MCN-VOC-01

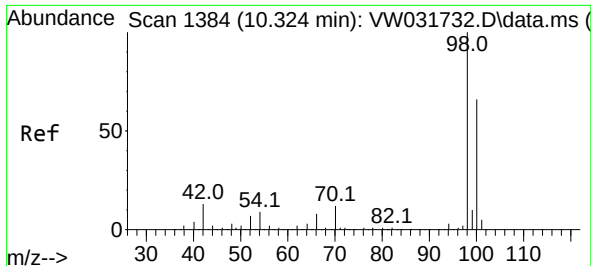
Tgt Ion:114 Resp: 353998
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 43.6
 88 18.2 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 46.988 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW031870.D
 Acq: 16 Jul 2025 12:07

Tgt Ion:113 Resp: 108542
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.1 123.1
 192 14.9 13.8 20.6

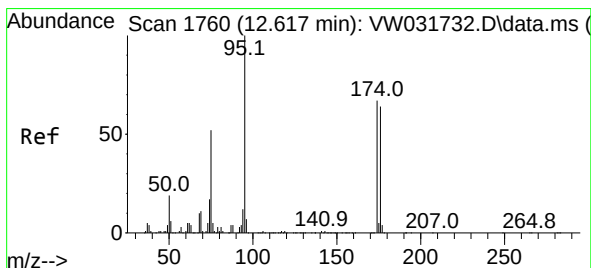
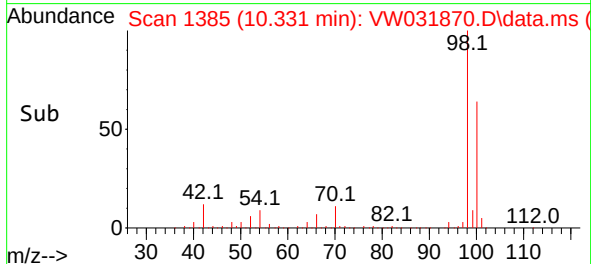
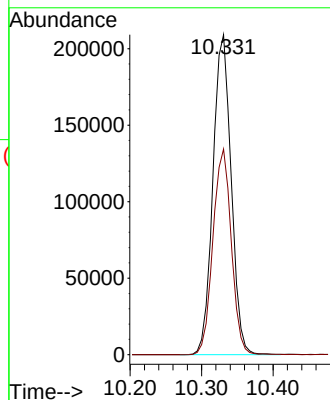
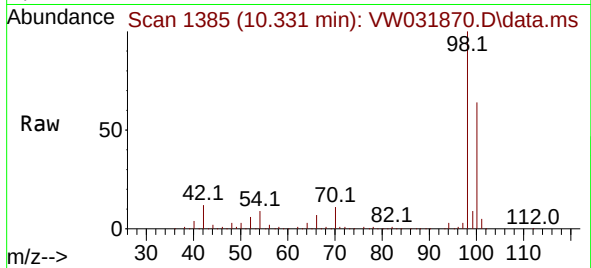




#50
Toluene-d8
Concen: 43.029 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

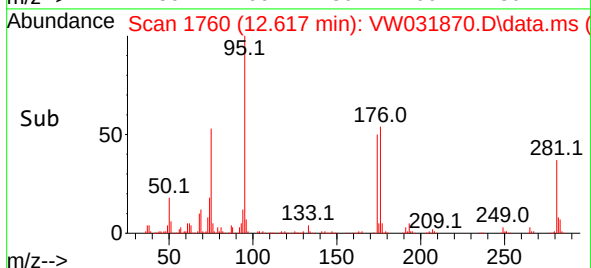
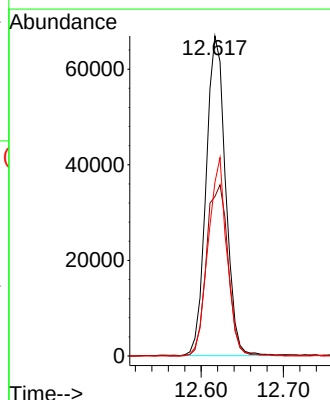
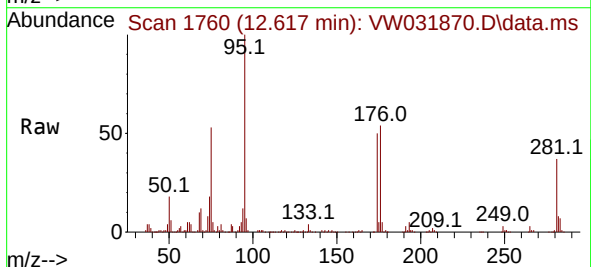
Instrument :
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HR-MCN-VOC-01

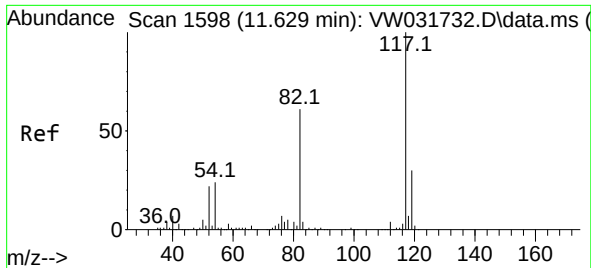
Tgt Ion: 98 Resp: 369898
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 34.825 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Tgt Ion: 95 Resp: 110170
Ion Ratio Lower Upper
95 100
174 59.5 0.0 133.8
176 59.7 0.0 126.0

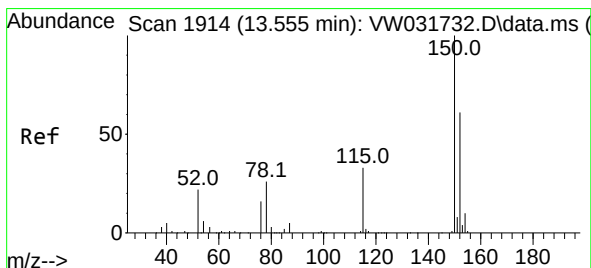
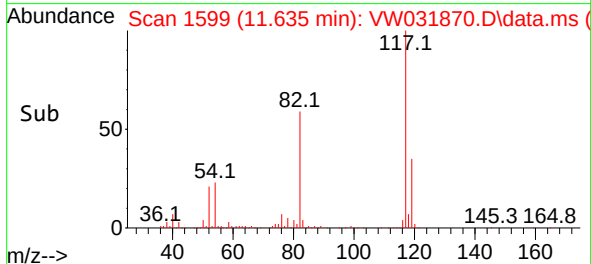
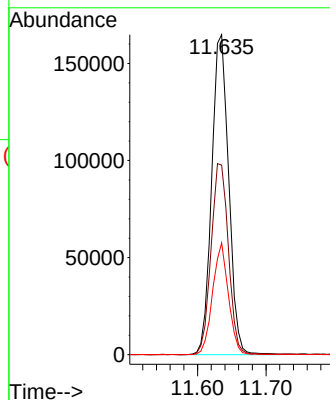
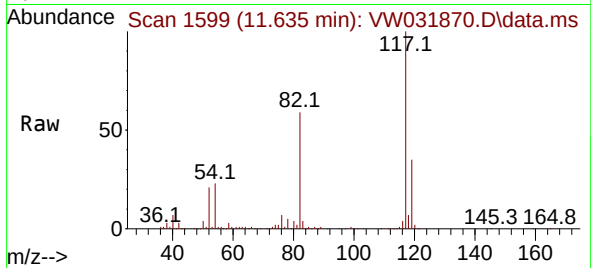




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Instrument :
MSVOA_W
ClientSampleId :
HR-MCN-VOC-01

Tgt Ion:117 Resp: 283463
Ion Ratio Lower Upper
117 100
82 59.2 48.6 72.8
119 35.0 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Tgt Ion:152 Resp: 88709
Ion Ratio Lower Upper
152 100
115 66.7 31.9 95.7
150 159.2 0.0 356.4

