

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072425\
 Data File : VW031919.D
 Acq On : 24 Jul 2025 10:40
 Operator : SY/MD
 Sample : Q2676-01
 Misc : 5.20g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-07222025

Quant Time: Jul 25 03:42:32 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	137483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	276584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	254272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	119666	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	102610	49.337	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.680%
35) Dibromofluoromethane	7.898	113	91540	48.706	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.420%
50) Toluene-d8	10.325	98	326121	45.848	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.700%
62) 4-Bromofluorobenzene	12.617	95	112758	41.284	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	82.560%

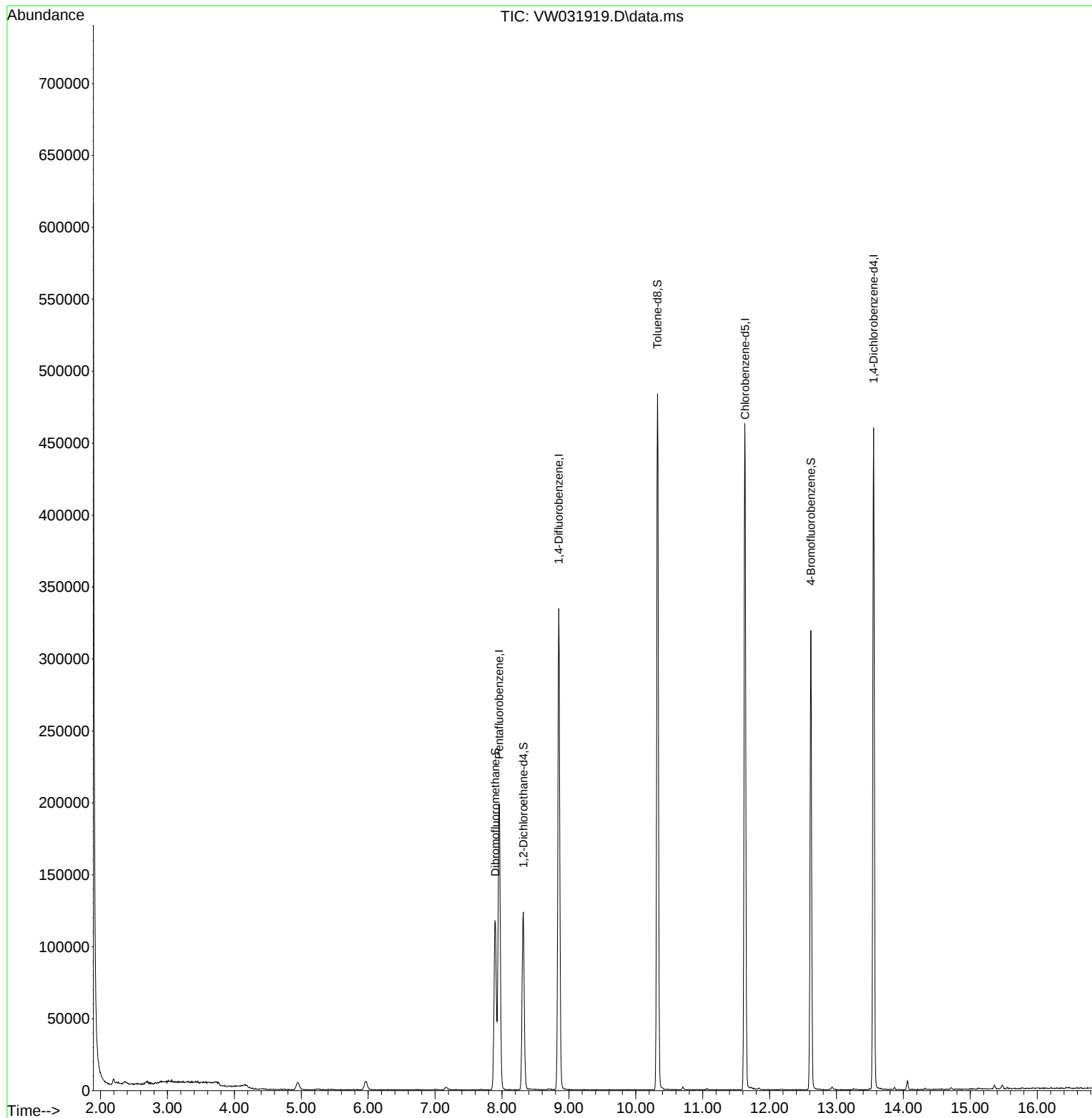
Target Compounds	Qvalue

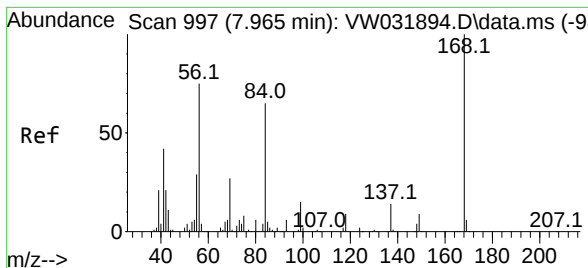
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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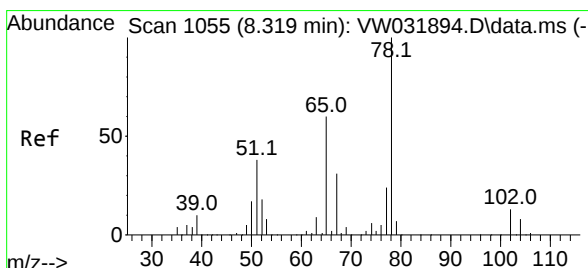
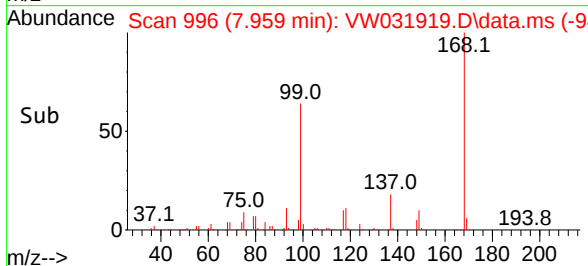
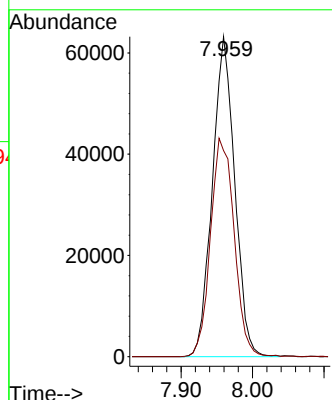
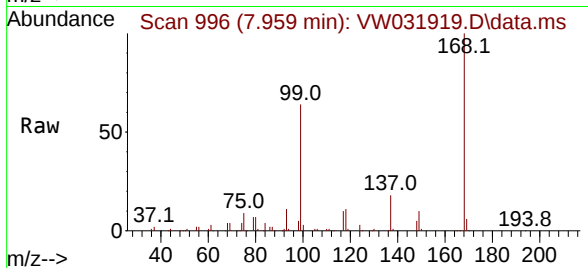




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031919.D
Acq: 24 Jul 2025 10:40

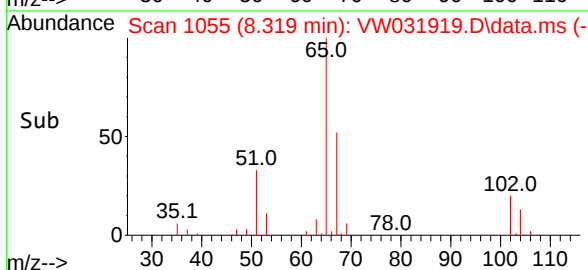
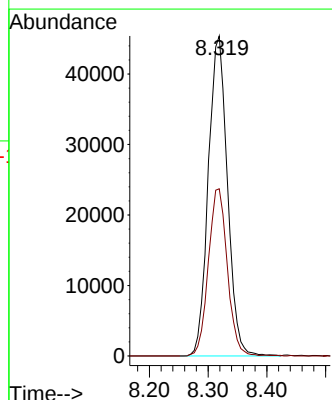
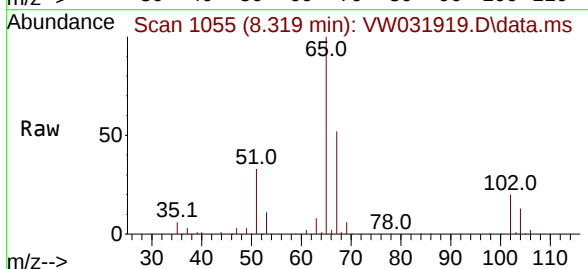
Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

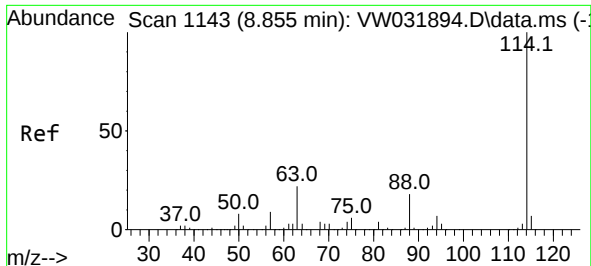
Tgt Ion:168 Resp: 137483
Ion Ratio Lower Upper
168 100
99 64.4 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 49.337 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031919.D
Acq: 24 Jul 2025 10:40

Tgt Ion: 65 Resp: 102610
Ion Ratio Lower Upper
65 100
67 51.9 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: VW031919.D

Acq: 24 Jul 2025 10:40

Instrument :

MSVOA_W

ClientSampleId :

HD-01-07222025

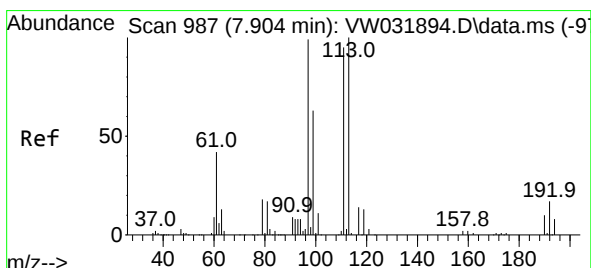
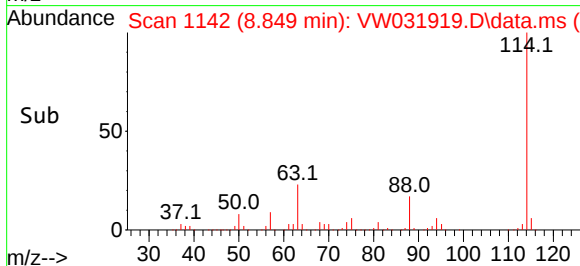
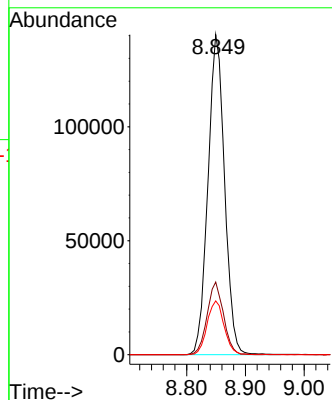
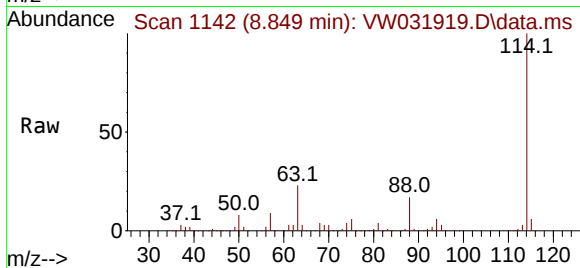
Tgt Ion:114 Resp: 276584

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.2

88 16.8 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.706 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031919.D

Acq: 24 Jul 2025 10:40

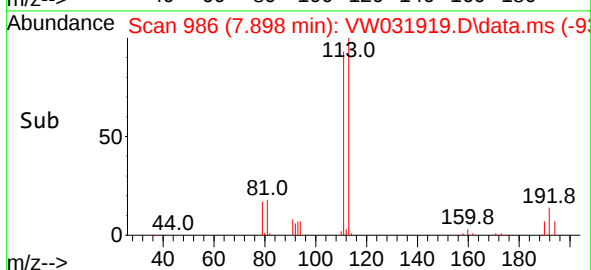
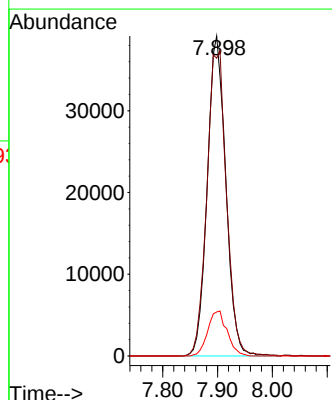
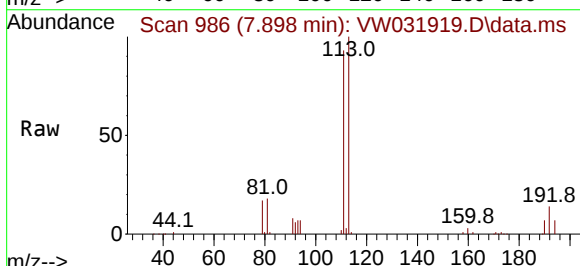
Tgt Ion:113 Resp: 91540

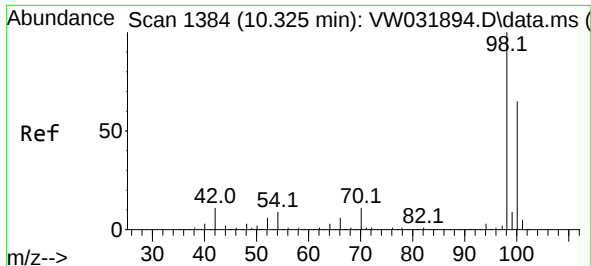
Ion Ratio Lower Upper

113 100

111 101.2 79.9 119.9

192 14.7 12.6 19.0

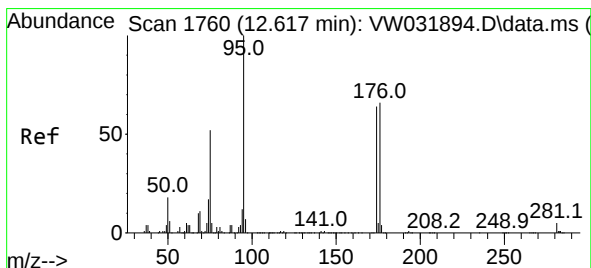
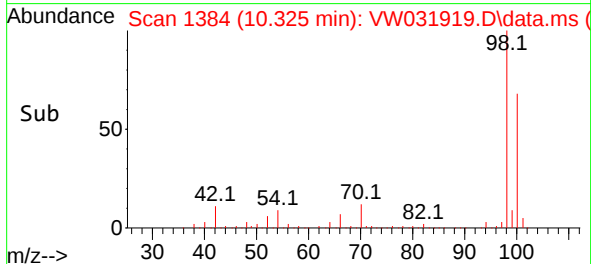
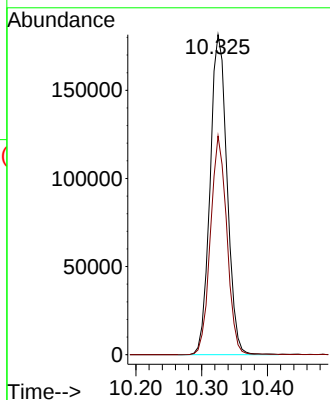
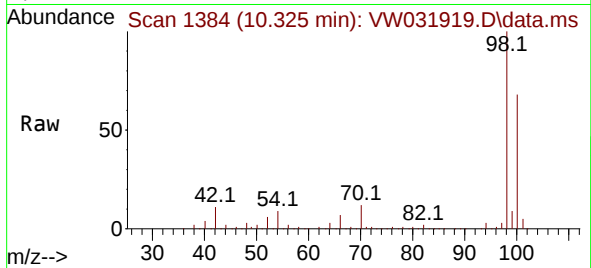




#50
Toluene-d8
Concen: 45.848 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031919.D
Acq: 24 Jul 2025 10:40

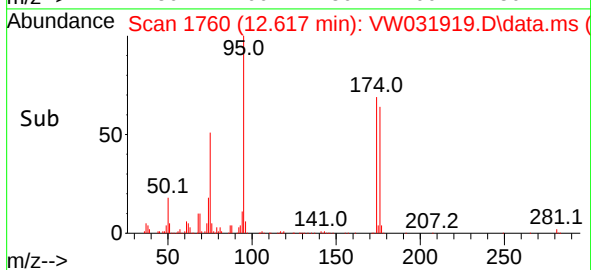
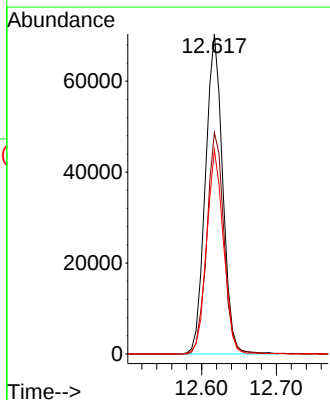
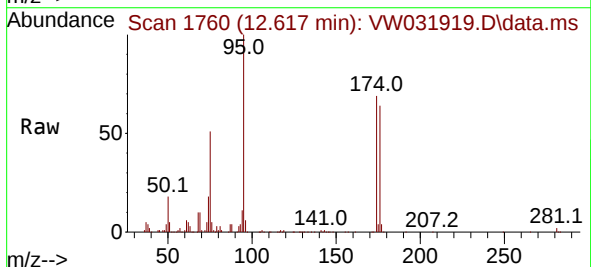
Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

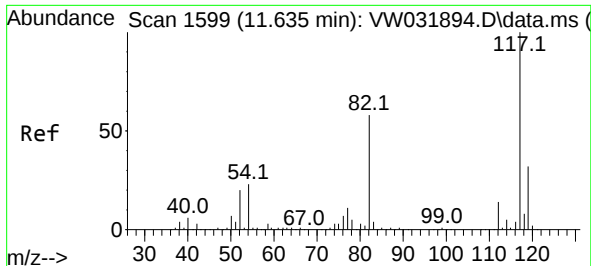
Tgt Ion: 98 Resp: 326121
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.284 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031919.D
Acq: 24 Jul 2025 10:40

Tgt Ion: 95 Resp: 112758
Ion Ratio Lower Upper
95 100
174 68.2 0.0 129.8
176 62.4 0.0 130.4

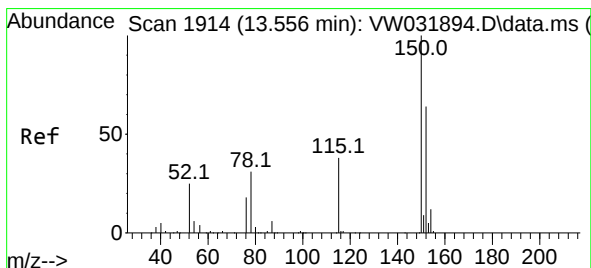
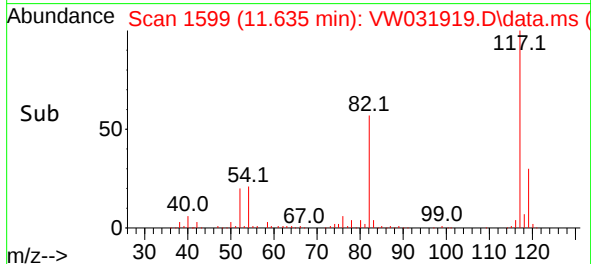
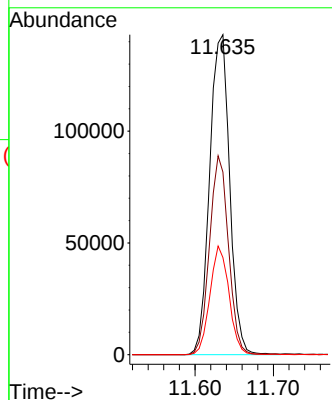
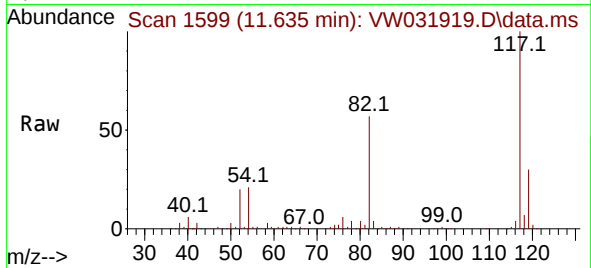




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031919.D
Acq: 24 Jul 2025 10:40

Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

Tgt Ion:117 Resp: 254272
Ion Ratio Lower Upper
117 100
82 57.1 46.5 69.7
119 30.4 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: VW031919.D
Acq: 24 Jul 2025 10:40

Tgt Ion:152 Resp: 119666
Ion Ratio Lower Upper
152 100
115 63.5 33.4 100.1
150 148.2 0.0 352.2

