

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072425\
 Data File : VW031920.D
 Acq On : 24 Jul 2025 11:02
 Operator : SY/MD
 Sample : Q2675-01
 Misc : 5.26g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-07222025

Quant Time: Jul 25 03:42:54 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	188260	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	392694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	365304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	156727	55.033	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.060%
35) Dibromofluoromethane	7.904	113	133524	50.039	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.080%
50) Toluene-d8	10.325	98	493723	48.888	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.617	95	183610	47.348	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.700%

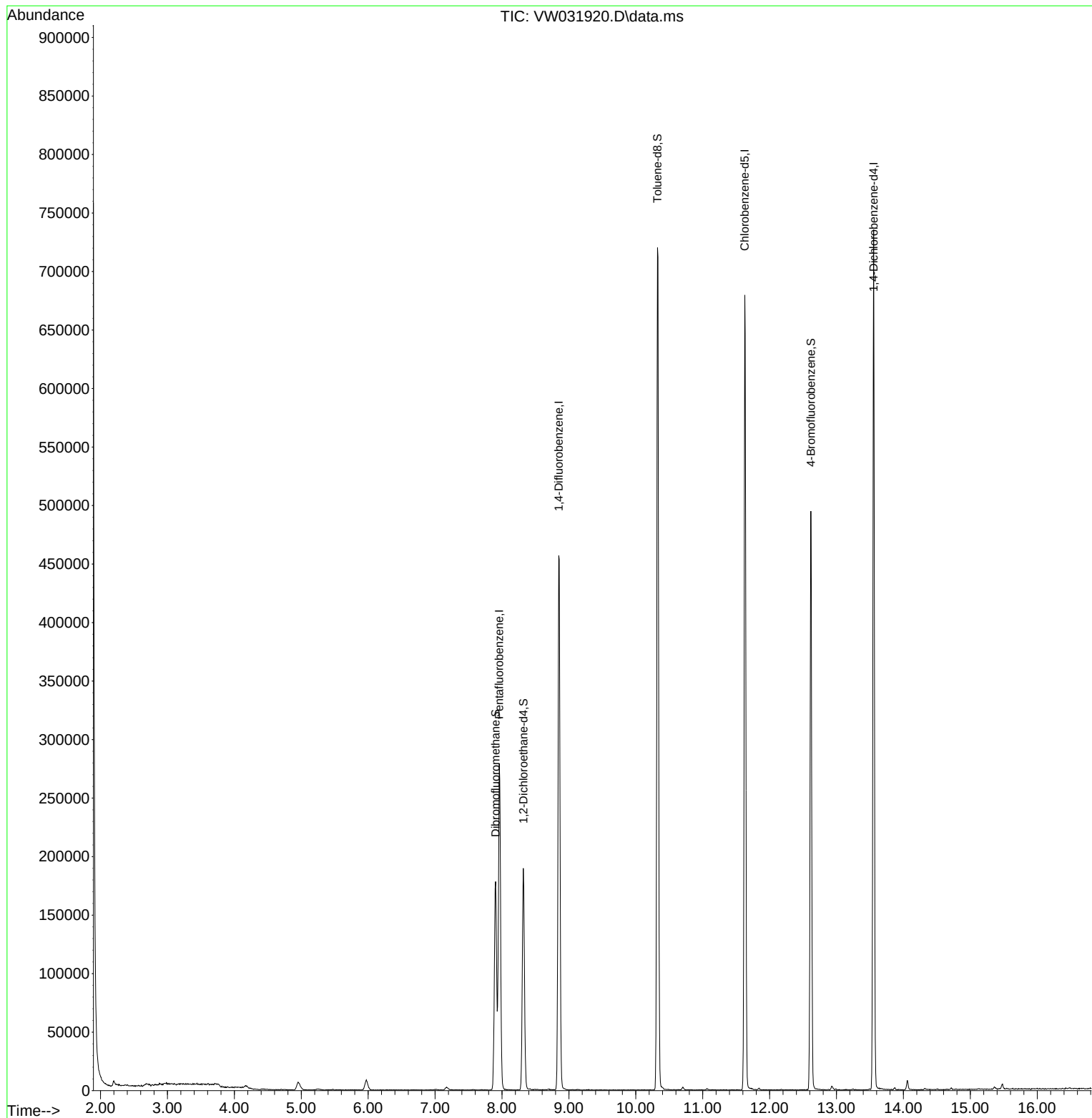
Target Compounds	Qvalue

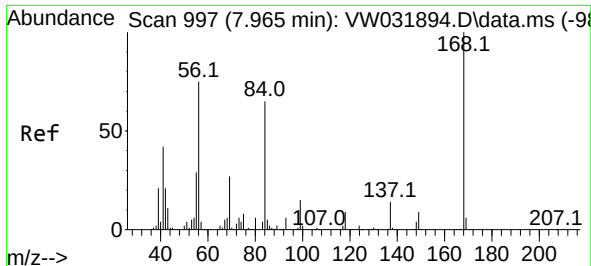
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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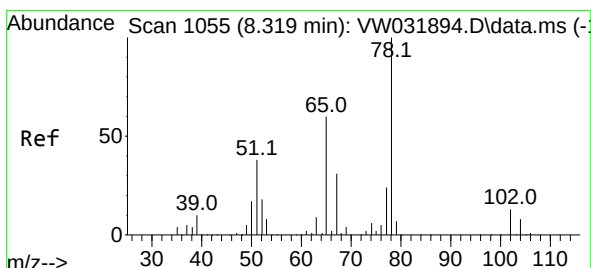
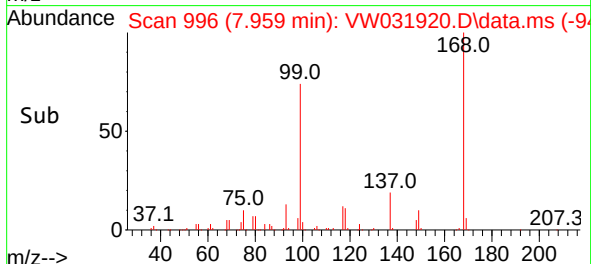
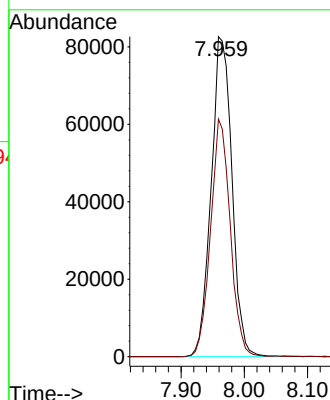
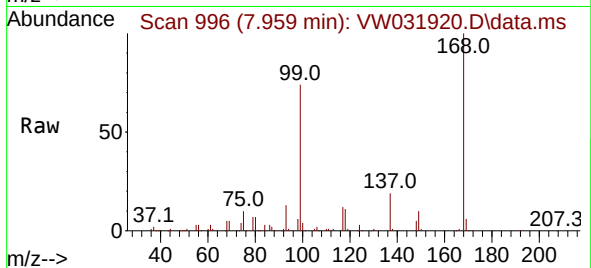




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031920.D
Acq: 24 Jul 2025 11:02

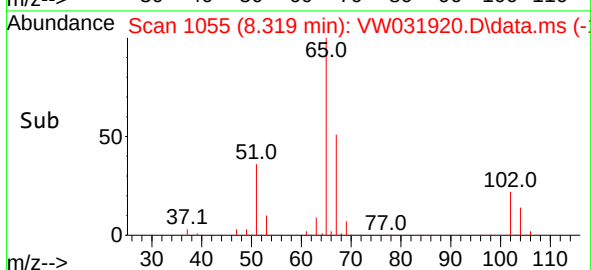
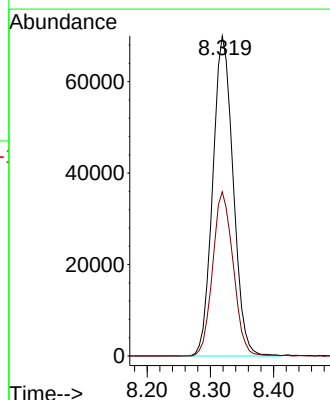
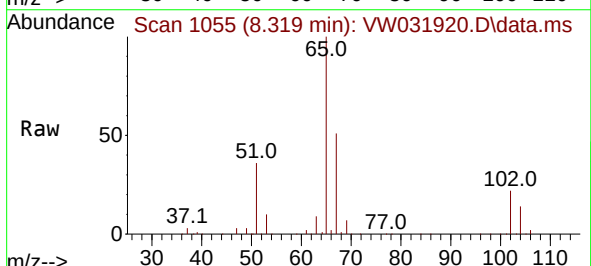
Instrument :
MSVOA_W
ClientSampleId :
SU-03-07222025

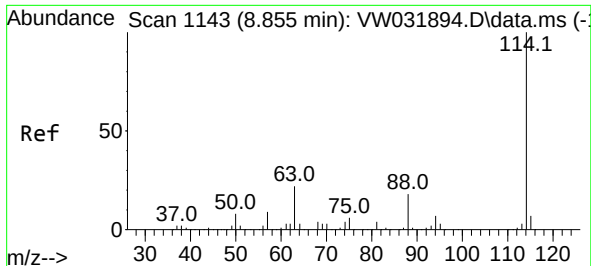
Tgt Ion:168 Resp: 188260
Ion Ratio Lower Upper
168 100
99 74.2 48.2 72.2#



#33
1,2-Dichloroethane-d4
Concen: 55.033 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031920.D
Acq: 24 Jul 2025 11:02

Tgt Ion: 65 Resp: 156727
Ion Ratio Lower Upper
65 100
67 51.5 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: VW031920.D

Acq: 24 Jul 2025 11:02

Instrument :

MSVOA_W

ClientSampleId :

SU-03-07222025

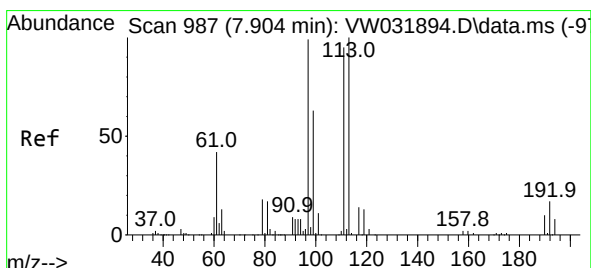
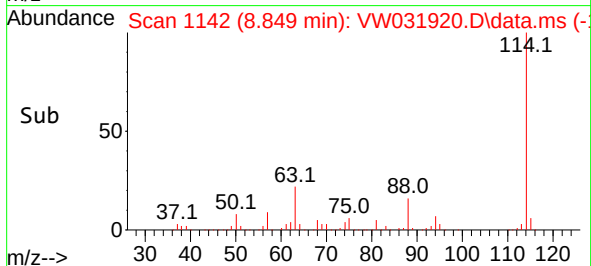
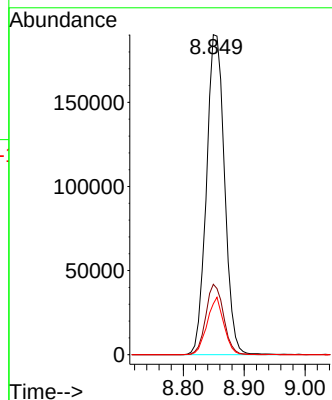
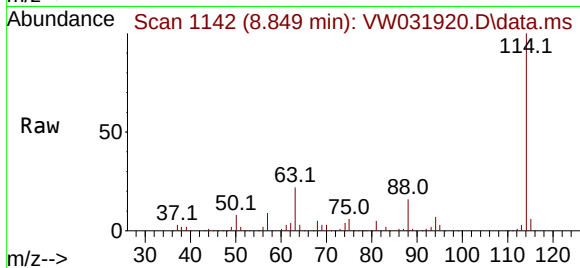
Tgt Ion:114 Resp: 392694

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

88 15.9 0.0 35.6



#35

Dibromofluoromethane

Concen: 50.039 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW031920.D

Acq: 24 Jul 2025 11:02

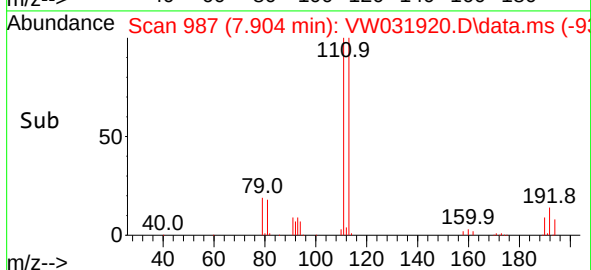
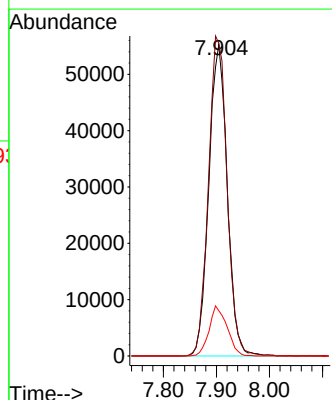
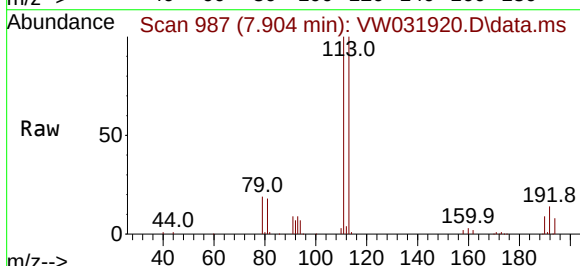
Tgt Ion:113 Resp: 133524

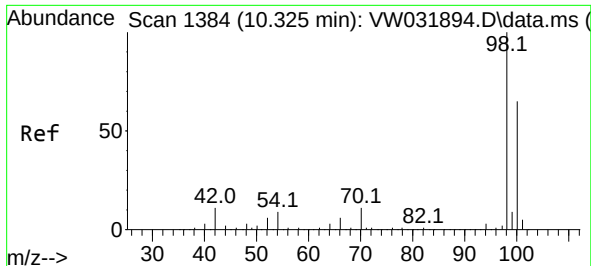
Ion Ratio Lower Upper

113 100

111 103.8 79.9 119.9

192 15.6 12.6 19.0

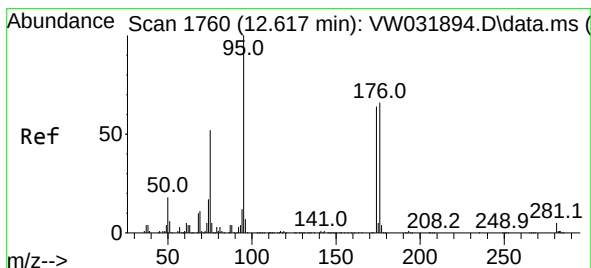
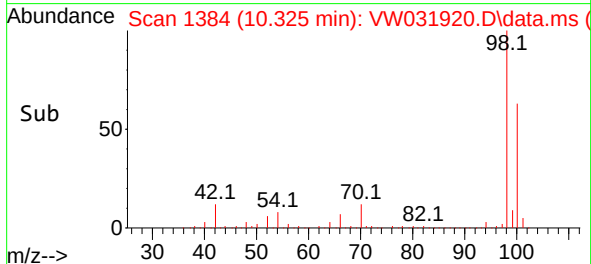
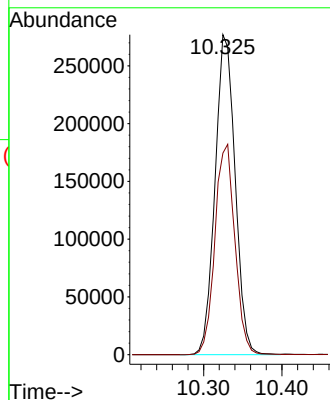
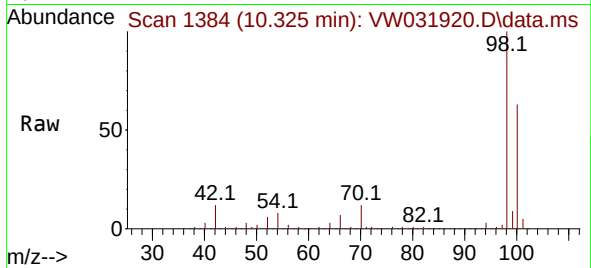




#50
Toluene-d8
Concen: 48.888 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031920.D
Acq: 24 Jul 2025 11:02

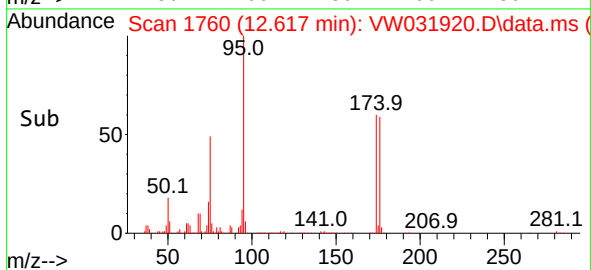
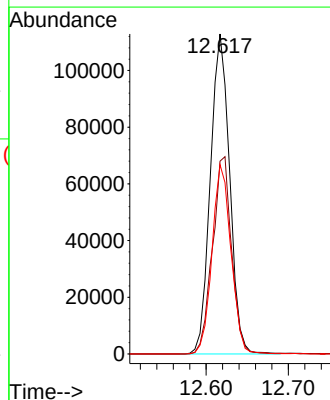
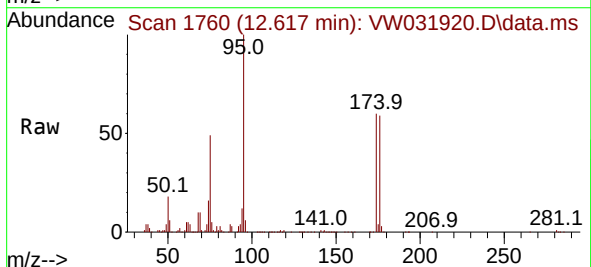
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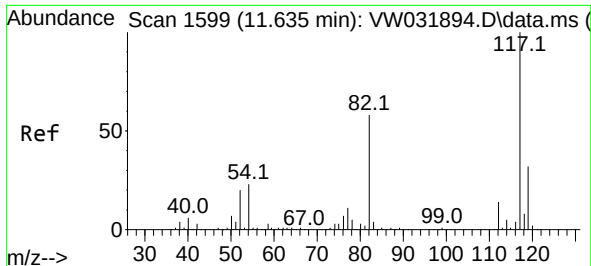
Tgt Ion: 98 Resp: 493723
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.348 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031920.D
Acq: 24 Jul 2025 11:02

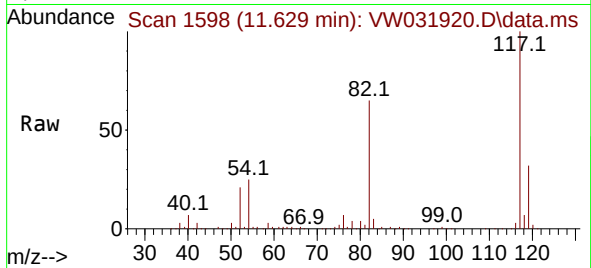
Tgt Ion: 95 Resp: 183610
Ion Ratio Lower Upper
95 100
174 61.5 0.0 129.8
176 58.4 0.0 130.4



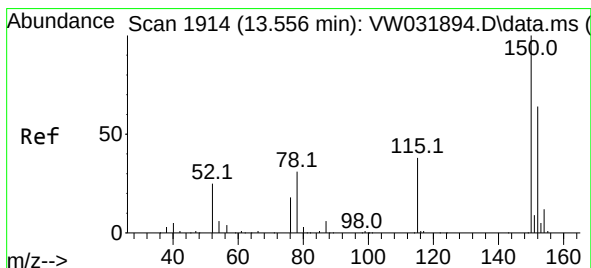
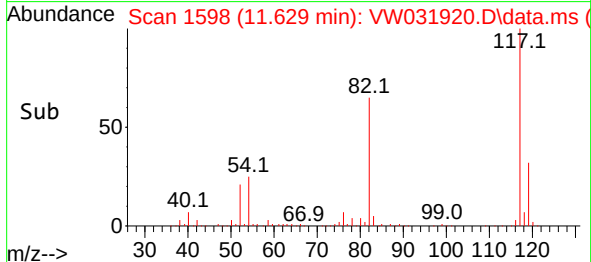
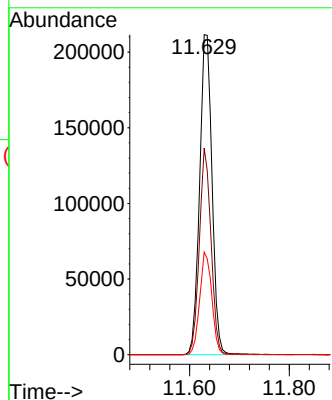


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031920.D
Acq: 24 Jul 2025 11:02

Instrument :
MSVOA_W
ClientSampleId :
SU-03-07222025



Tgt Ion:117 Resp: 365304
Ion Ratio Lower Upper
117 100
82 64.6 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: VW031920.D
Acq: 24 Jul 2025 11:02

Tgt Ion:152 Resp: 179014
Ion Ratio Lower Upper
152 100
115 63.0 33.4 100.1
150 156.1 0.0 352.2

