

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063502.D
 Acq On : 14 Jul 2025 11:02
 Operator : MD/SY
 Sample : VU0714WBL02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0714WBL02

Quant Time: Jul 15 01:31:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 15 01:29:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	102635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	181957	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	167595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.807	152	85994	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	70611	53.922	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.840%
35) Dibromofluoromethane	5.280	113	54882	50.038	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.080%
50) Toluene-d8	7.888	98	168939	47.253	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.500%
62) 4-Bromofluorobenzene	10.627	95	76840	49.136	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.280%

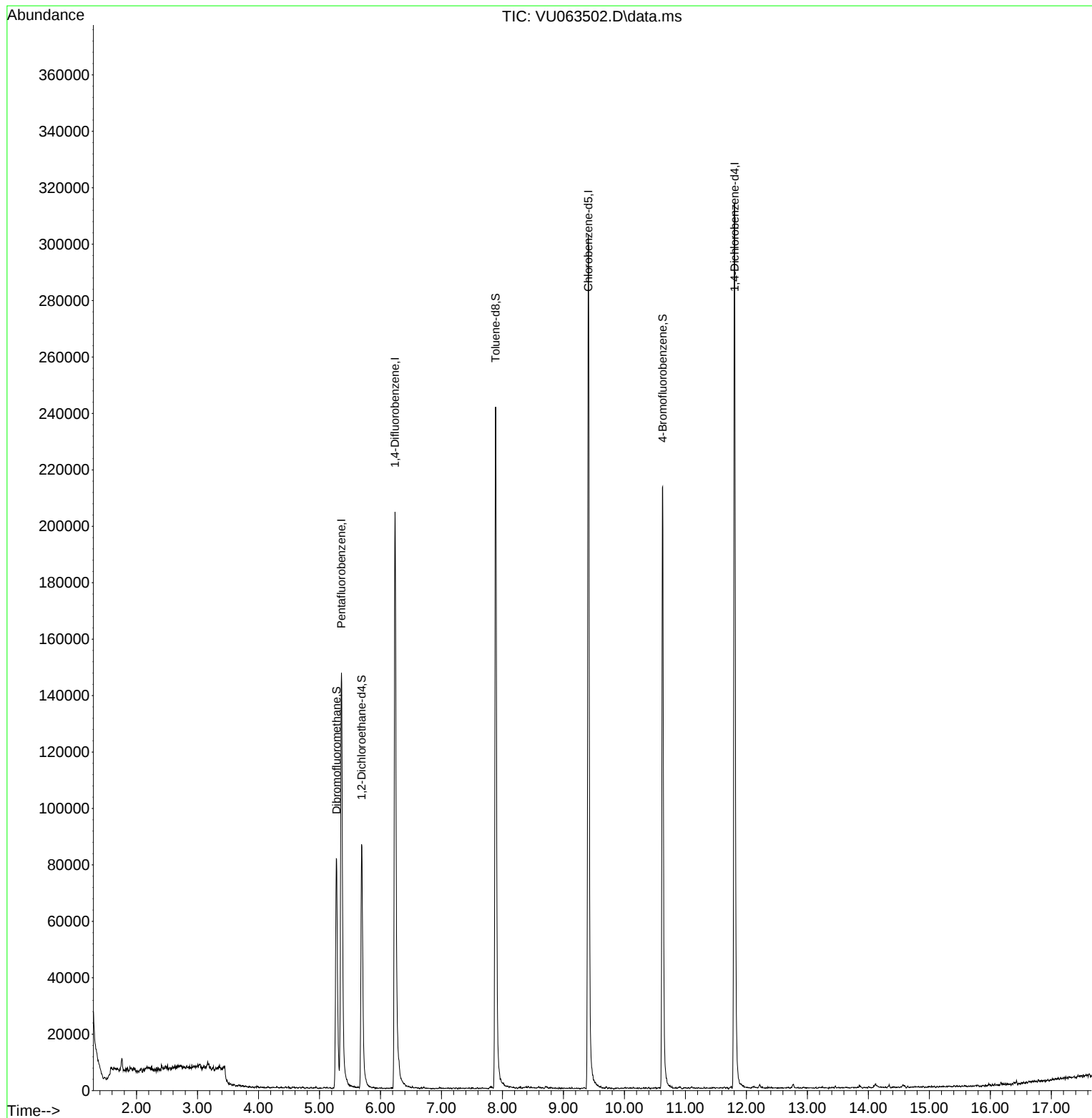
Target Compounds	Qvalue

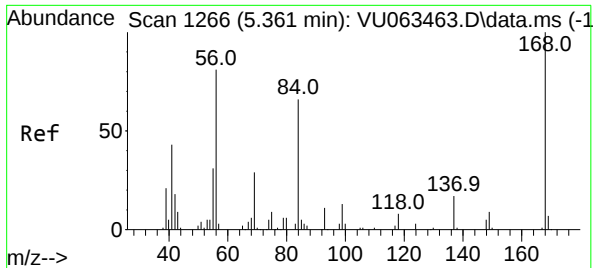
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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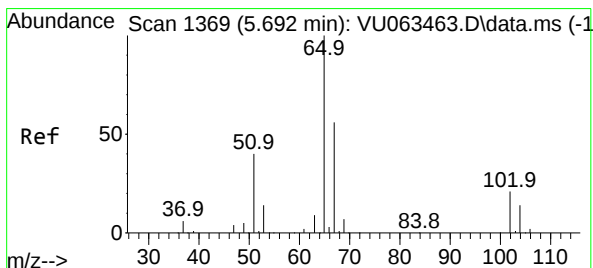
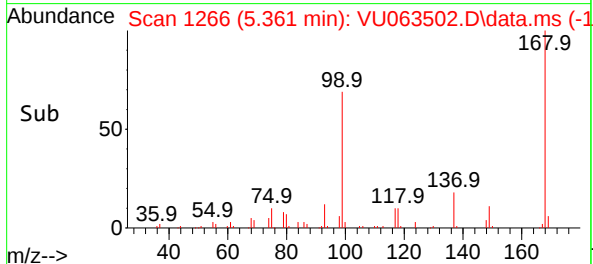
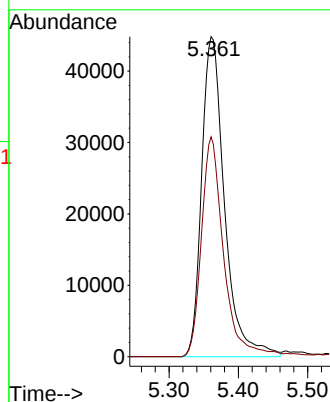
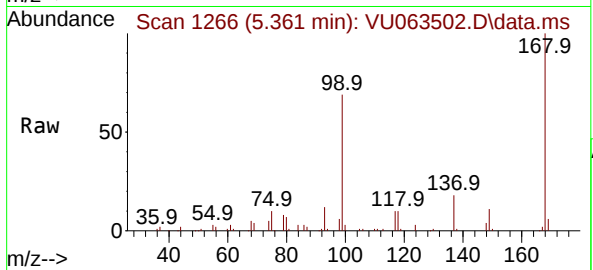




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.361 min Scan# 1266
Delta R.T. -0.000 min
Lab File: VU063502.D
Acq: 14 Jul 2025 11:02

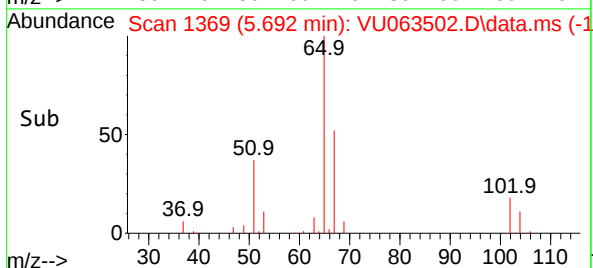
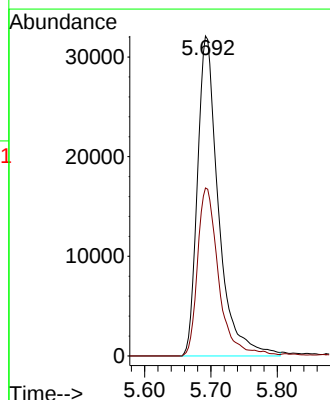
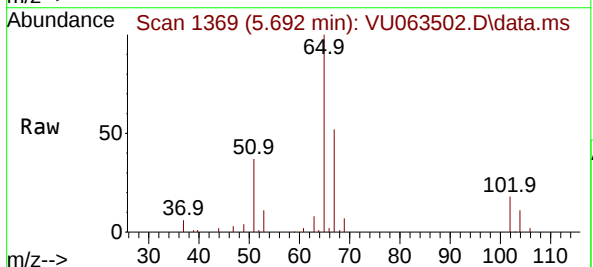
Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL02

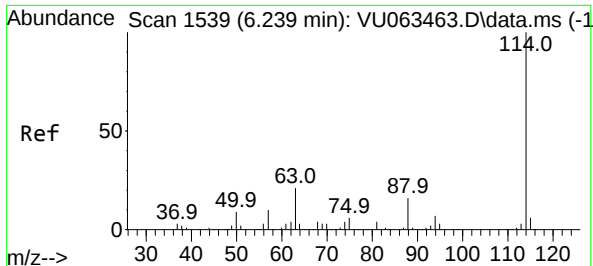
Tgt Ion:168 Resp: 102635
Ion Ratio Lower Upper
168 100
99 68.7 47.7 71.5



#33
1,2-Dichloroethane-d4
Concen: 53.922 ug/l
RT: 5.692 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VU063502.D
Acq: 14 Jul 2025 11:02

Tgt Ion: 65 Resp: 70611
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.238 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU063502.D

Acq: 14 Jul 2025 11:02

Instrument :

MSVOA_U

ClientSampleId :

VU0714WBL02

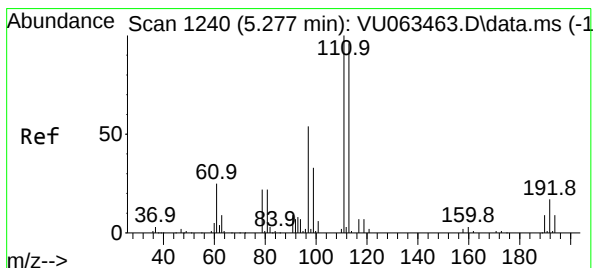
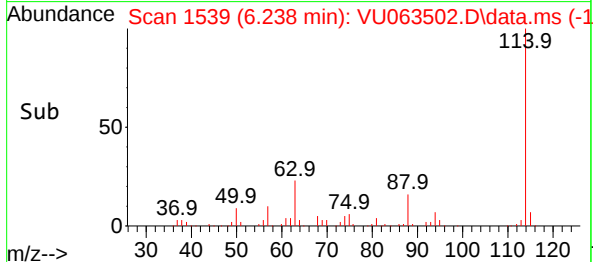
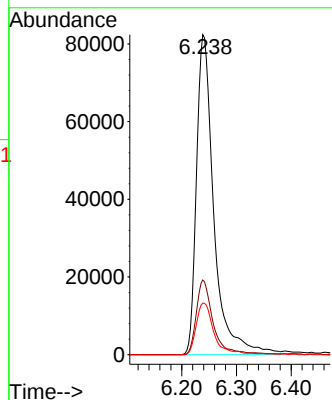
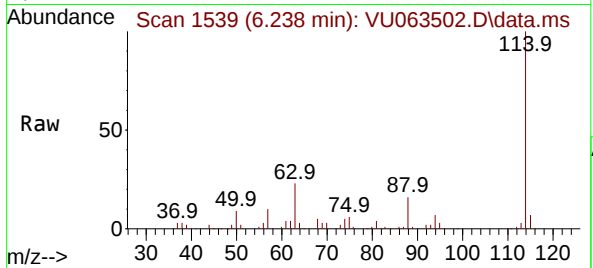
Tgt Ion:114 Resp: 181957

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.6

88 16.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.038 ug/l

RT: 5.280 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VU063502.D

Acq: 14 Jul 2025 11:02

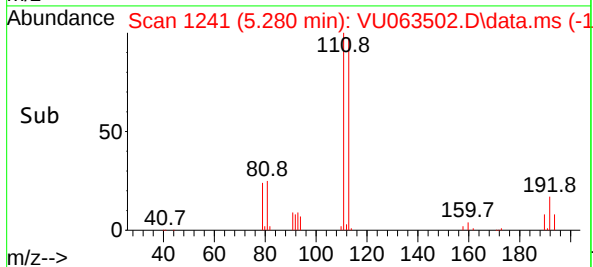
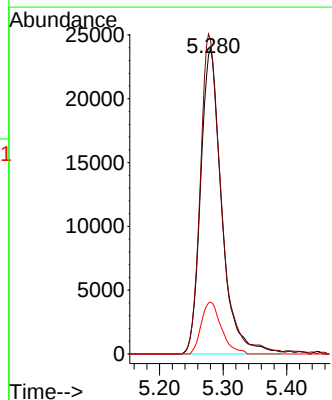
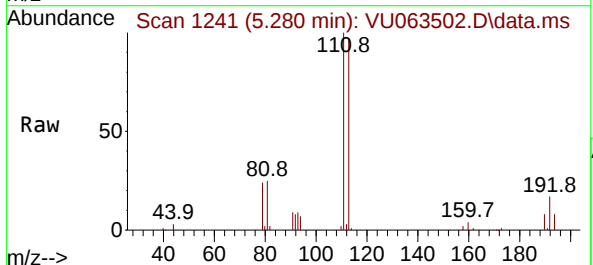
Tgt Ion:113 Resp: 54882

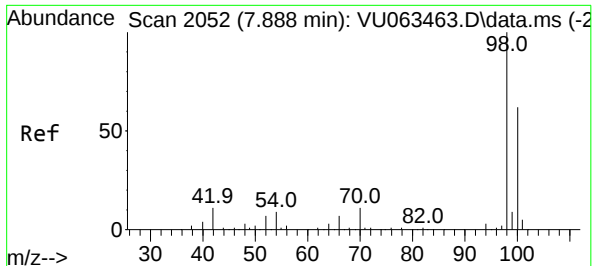
Ion Ratio Lower Upper

113 100

111 104.1 82.1 123.1

192 16.2 14.3 21.5

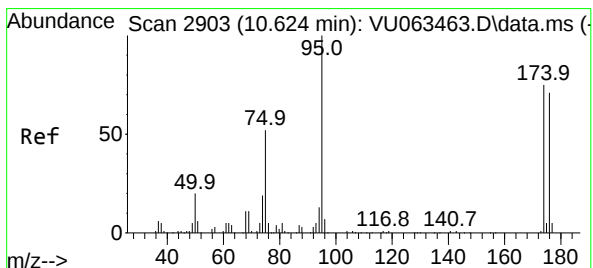
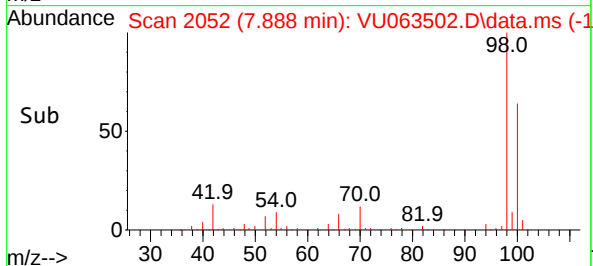
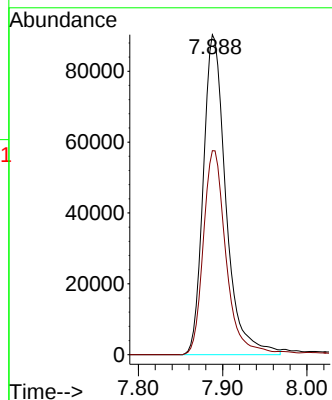
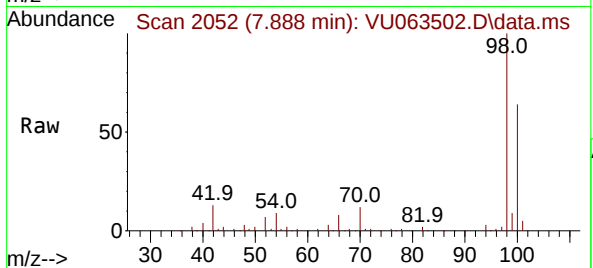




#50
Toluene-d8
Concen: 47.253 ug/l
RT: 7.888 min Scan# 2052
Delta R.T. -0.000 min
Lab File: VU063502.D
Acq: 14 Jul 2025 11:02

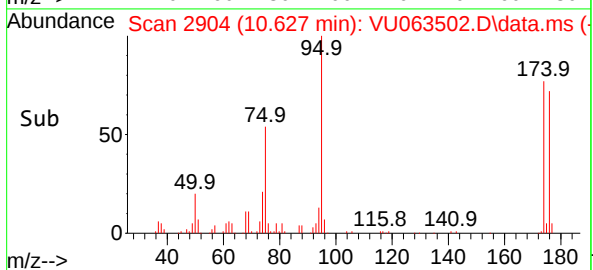
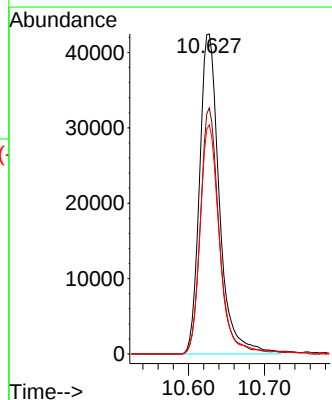
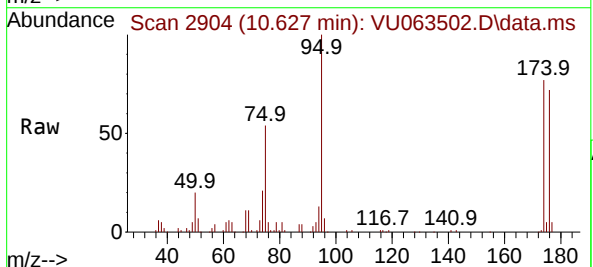
Instrument :
MSVOA_U
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VU0714WBL02

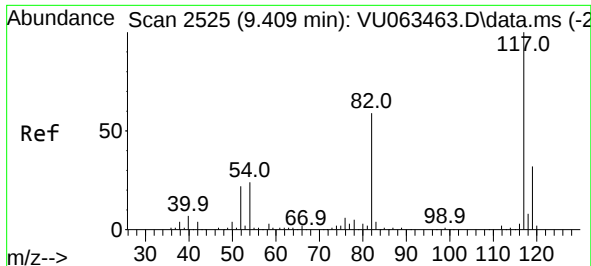
Tgt Ion: 98 Resp: 168939
Ion Ratio Lower Upper
98 100
100 63.7 48.1 72.1



#62
4-Bromofluorobenzene
Concen: 49.136 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.003 min
Lab File: VU063502.D
Acq: 14 Jul 2025 11:02

Tgt Ion: 95 Resp: 76840
Ion Ratio Lower Upper
95 100
174 72.3 0.0 153.6
176 70.2 0.0 145.8

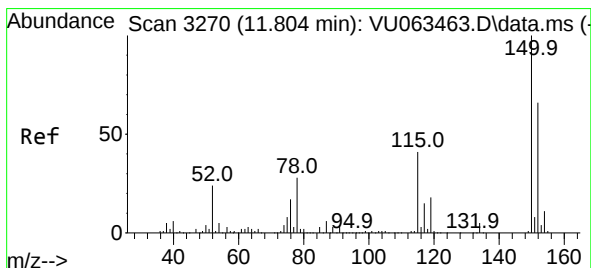
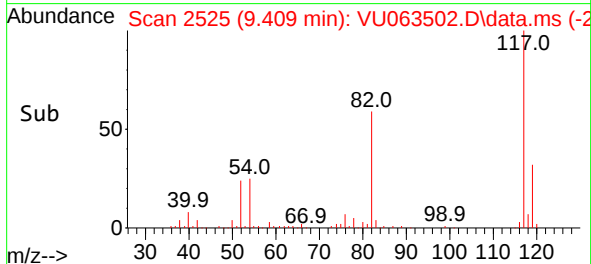
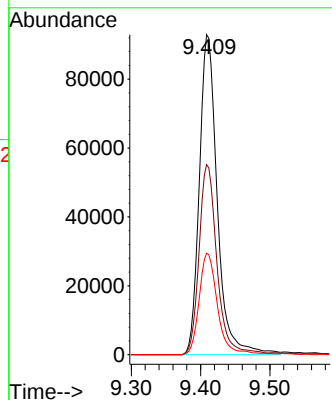
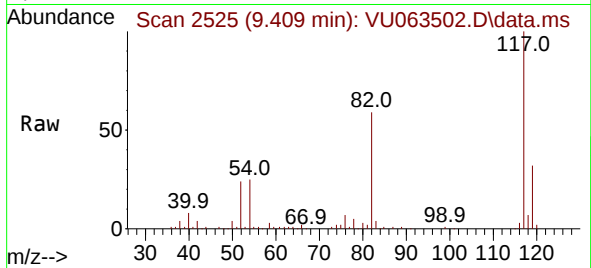




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.409 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063502.D
Acq: 14 Jul 2025 11:02

Instrument :
MSVOA_U
ClientSampleId :
VU0714WBL02

Tgt Ion:117 Resp: 167595
Ion Ratio Lower Upper
117 100
82 59.4 47.1 70.7
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.807 min Scan# 3271
Delta R.T. 0.003 min
Lab File: VU063502.D
Acq: 14 Jul 2025 11:02

Tgt Ion:152 Resp: 85994
Ion Ratio Lower Upper
152 100
115 62.4 43.4 130.2
150 156.0 0.0 341.4

