

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063469.D
 Acq On : 10 Jul 2025 10:18
 Operator : MD/SY
 Sample : VU0710WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0710WBL01

Quant Time: Jul 11 04:45:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 11 04:42:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	125158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.242	114	219712	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	204489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.807	152	101767	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	77729	48.676	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.360%
35) Dibromofluoromethane	5.280	113	62022	46.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.660%
50) Toluene-d8	7.891	98	200240	46.383	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.760%
62) 4-Bromofluorobenzene	10.627	95	86116	45.605	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.200%

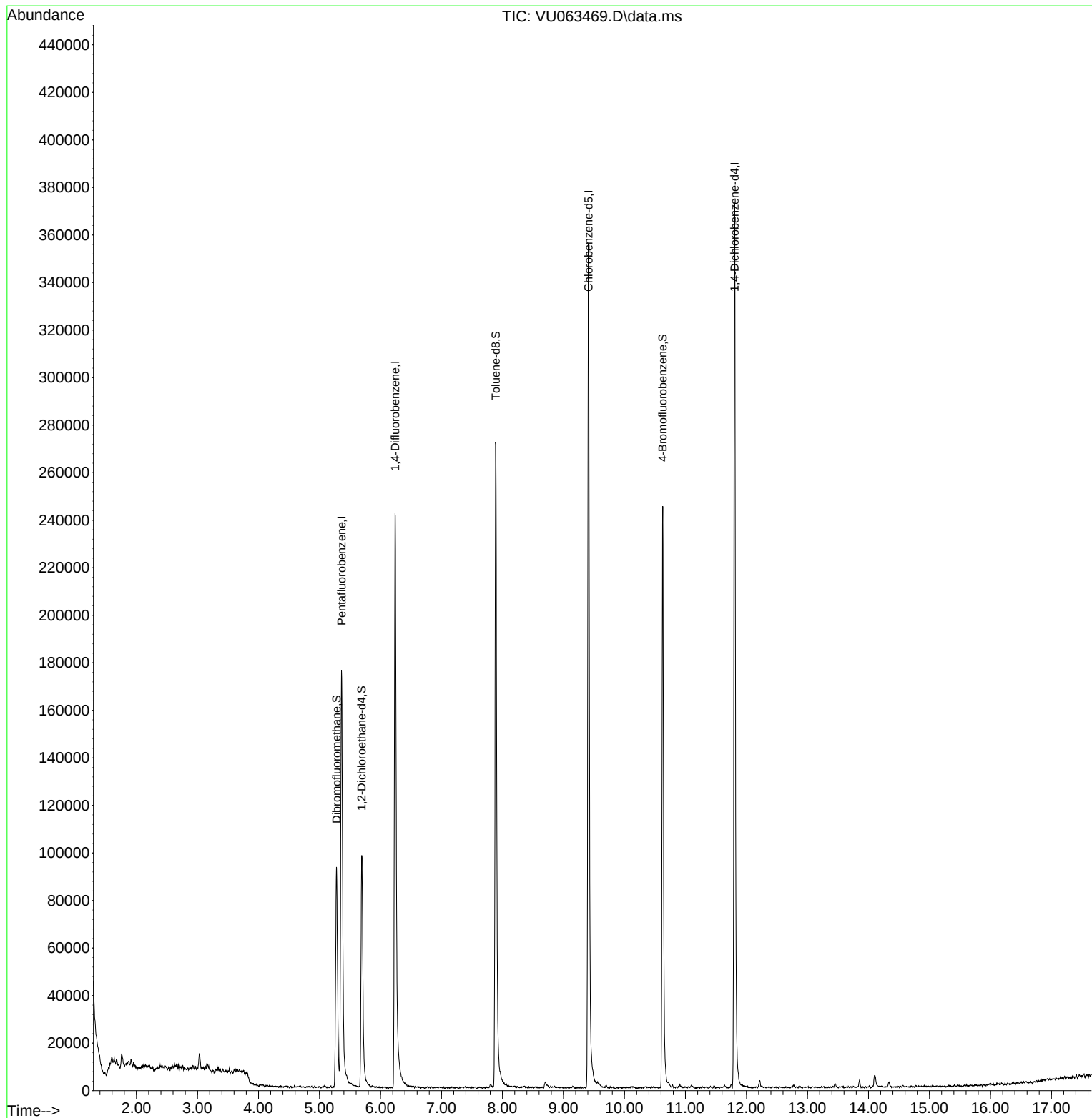
Target Compounds	Qvalue

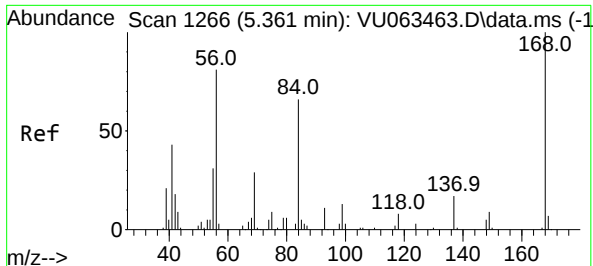
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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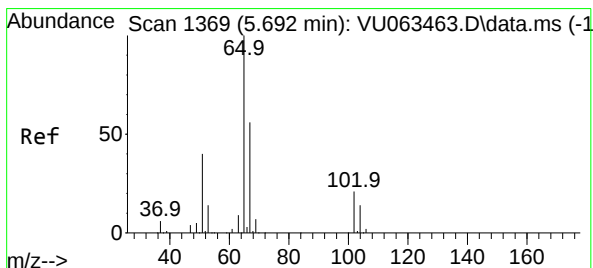
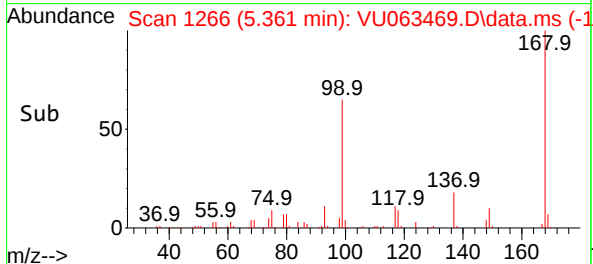
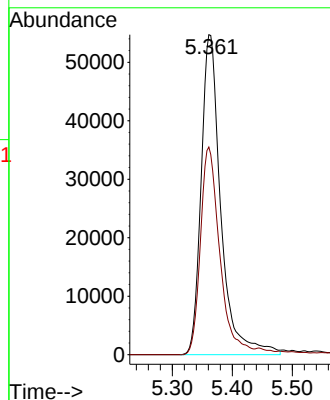
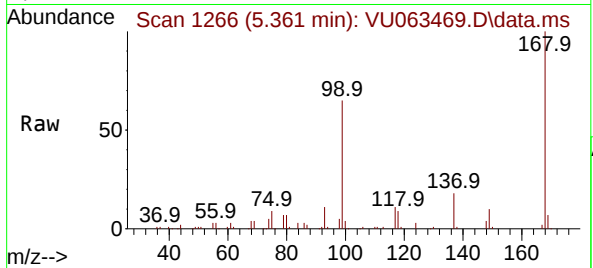




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.361 min Scan# 1266
Delta R.T. -0.000 min
Lab File: VU063469.D
Acq: 10 Jul 2025 10:18

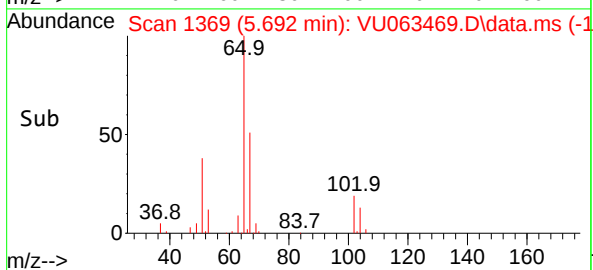
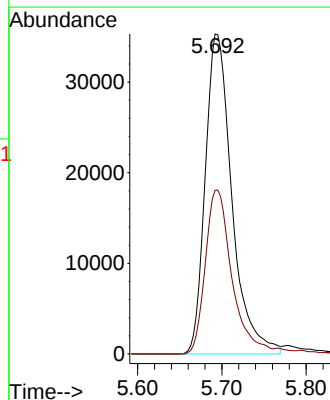
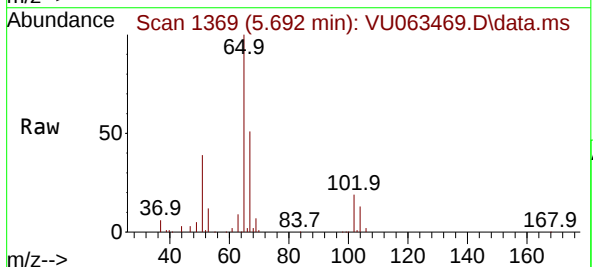
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL01

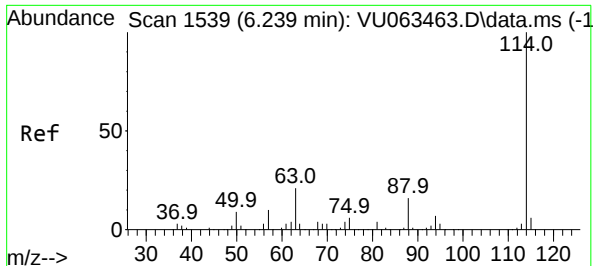
Tgt Ion:168 Resp: 125158
Ion Ratio Lower Upper
168 100
99 64.9 47.7 71.5



#33
1,2-Dichloroethane-d4
Concen: 48.676 ug/l
RT: 5.692 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VU063469.D
Acq: 10 Jul 2025 10:18

Tgt Ion: 65 Resp: 77729
Ion Ratio Lower Upper
65 100
67 50.9 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.242 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063469.D

Acq: 10 Jul 2025 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU0710WBL01

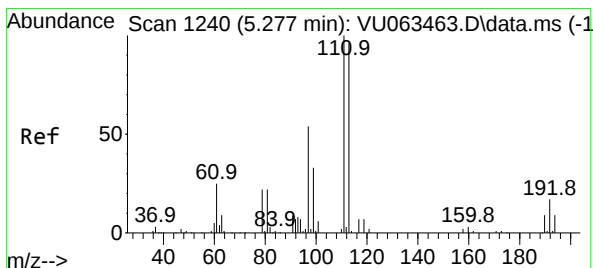
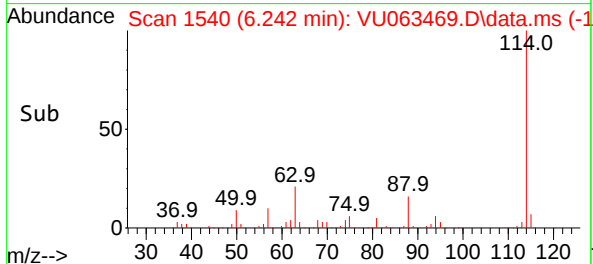
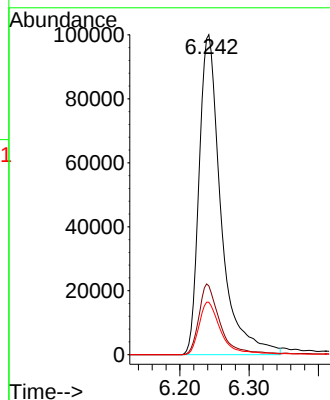
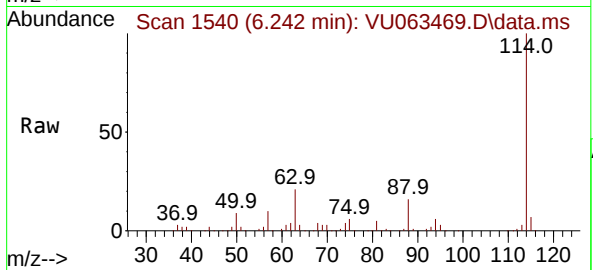
Tgt Ion:114 Resp: 219712

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

88 16.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.831 ug/l

RT: 5.280 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VU063469.D

Acq: 10 Jul 2025 10:18

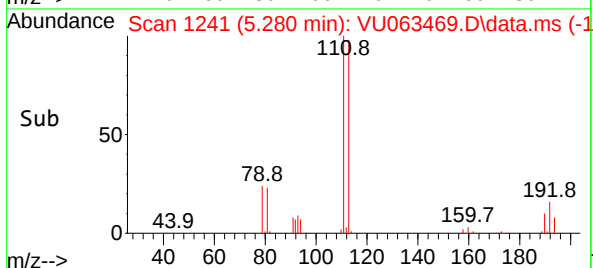
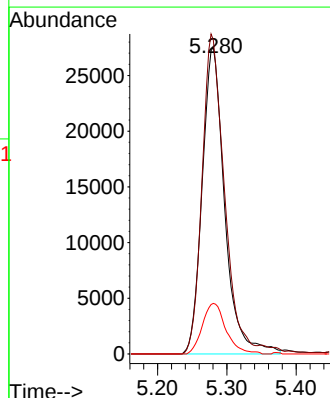
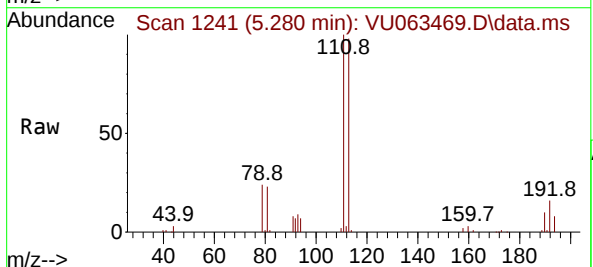
Tgt Ion:113 Resp: 62022

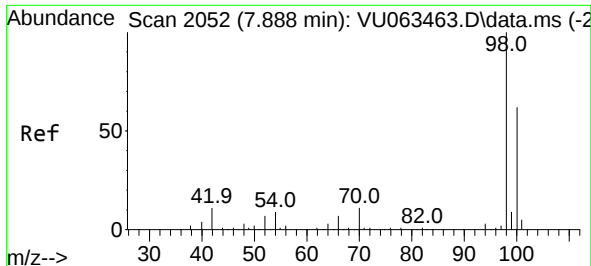
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 17.3 14.3 21.5

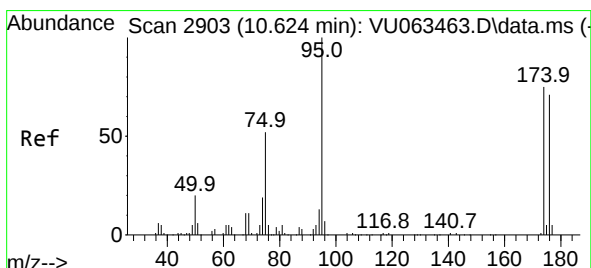
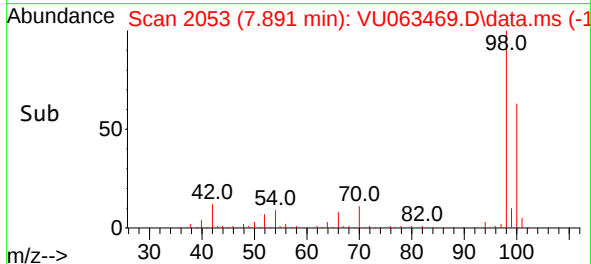
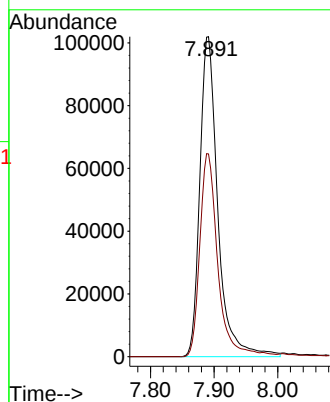
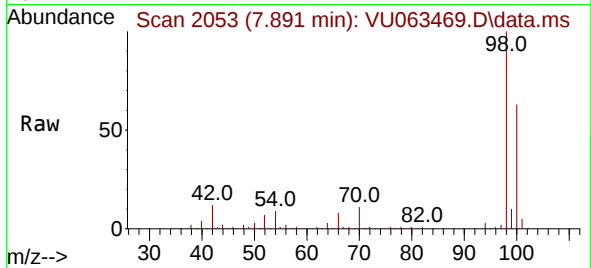




#50
Toluene-d8
Concen: 46.383 ug/l
RT: 7.891 min Scan# 2053
Delta R.T. 0.003 min
Lab File: VU063469.D
Acq: 10 Jul 2025 10:18

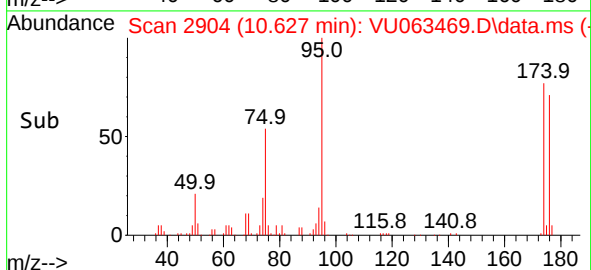
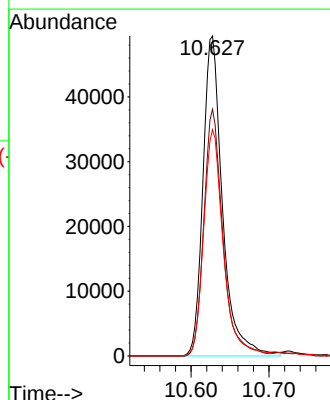
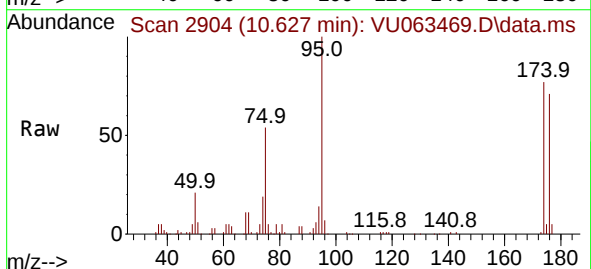
Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL01

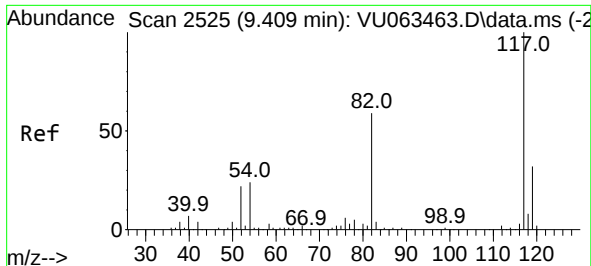
Tgt Ion: 98 Resp: 200240
Ion Ratio Lower Upper
98 100
100 62.7 48.1 72.1



#62
4-Bromofluorobenzene
Concen: 45.605 ug/l
RT: 10.627 min Scan# 2904
Delta R.T. 0.003 min
Lab File: VU063469.D
Acq: 10 Jul 2025 10:18

Tgt Ion: 95 Resp: 86116
Ion Ratio Lower Upper
95 100
174 74.9 0.0 153.6
176 71.1 0.0 145.8

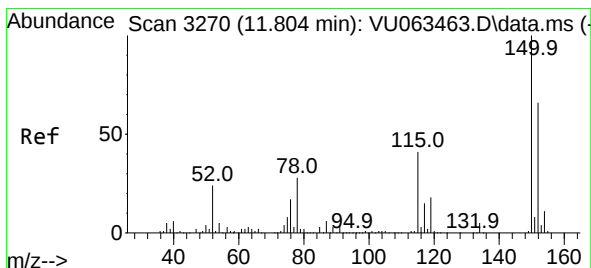
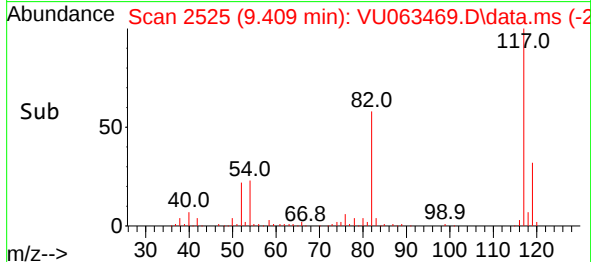
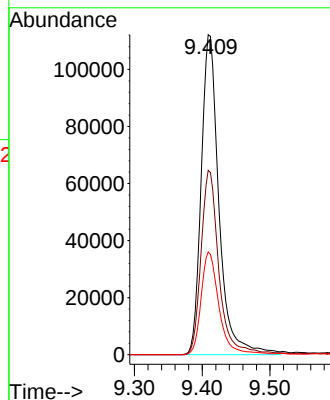
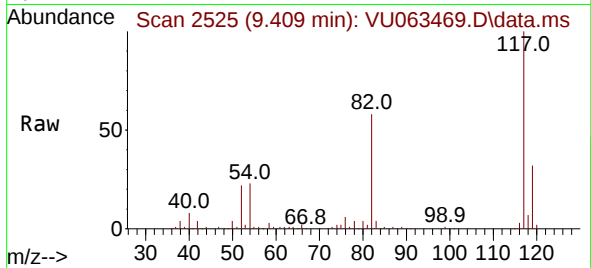




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.409 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063469.D
Acq: 10 Jul 2025 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU0710WBL01

Tgt Ion:117 Resp: 204489
Ion Ratio Lower Upper
117 100
82 57.6 47.1 70.7
119 32.1 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: VU063469.D
Acq: 10 Jul 2025 10:18

Tgt Ion:152 Resp: 101767
Ion Ratio Lower Upper
152 100
115 61.8 43.4 130.2
150 158.3 0.0 341.4

