

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063485.D
 Acq On : 11 Jul 2025 10:02
 Operator : MD/SY
 Sample : VU0711WBL02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBL02

Quant Time: Jul 12 03:45:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 12 03:41:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	105828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	195916	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	181318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	88560	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	74688	55.315	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.620%
35) Dibromofluoromethane	5.277	113	58876	49.855	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.700%
50) Toluene-d8	7.888	98	186873	48.545	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.080%
62) 4-Bromofluorobenzene	10.624	95	82356	48.911	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.820%

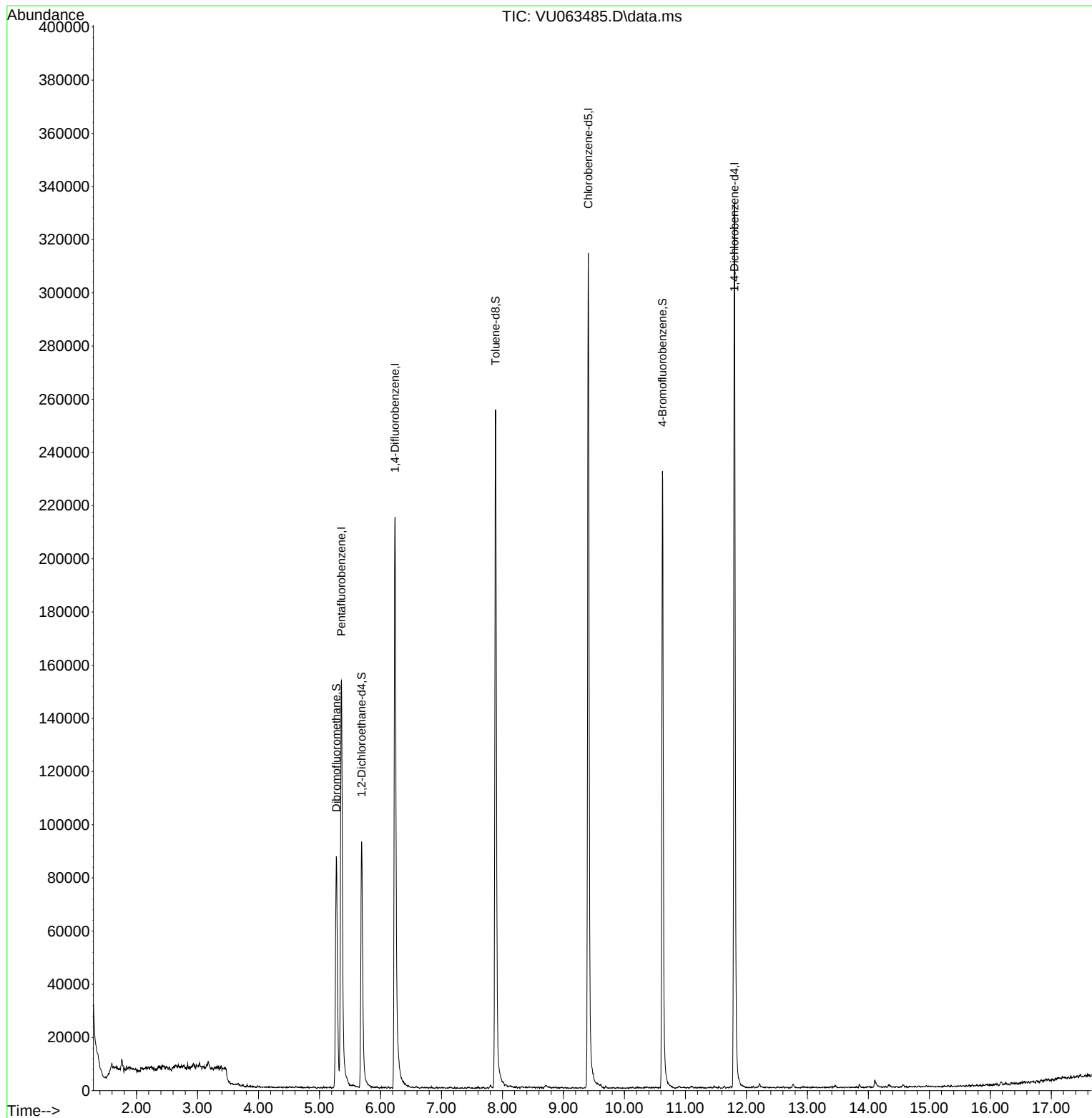
Target Compounds	Qvalue

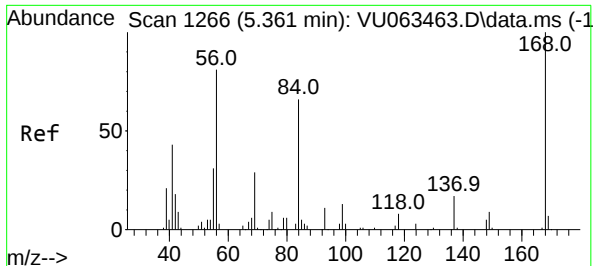
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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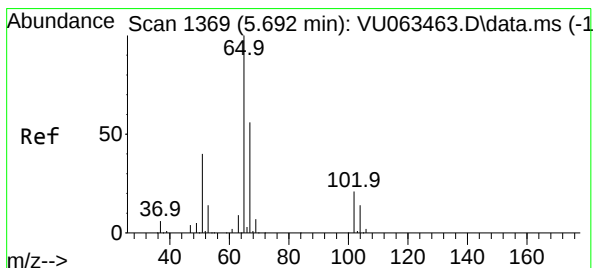
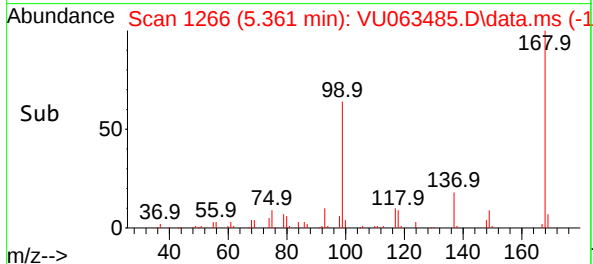
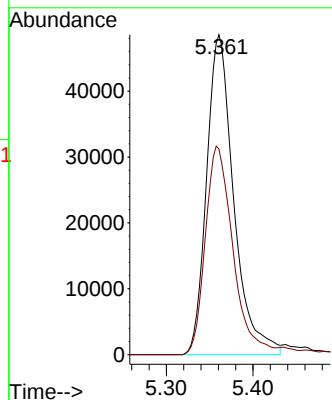
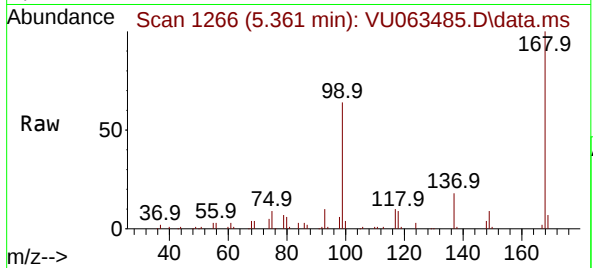




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.361 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063485.D
Acq: 11 Jul 2025 10:02

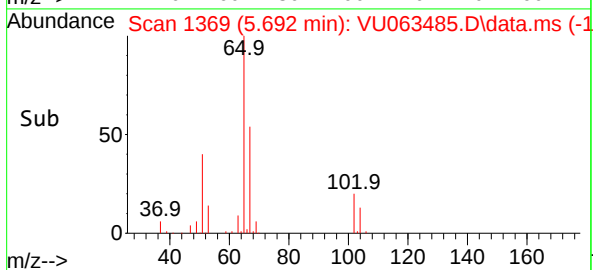
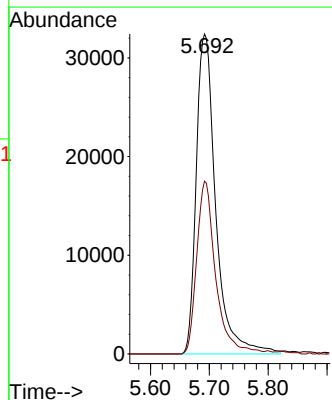
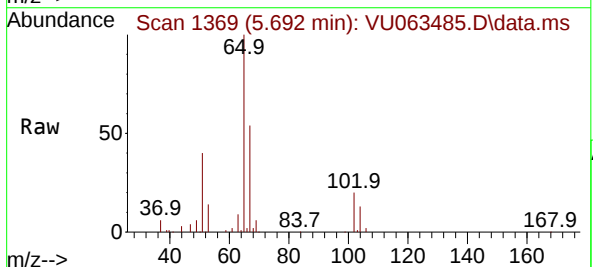
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL02

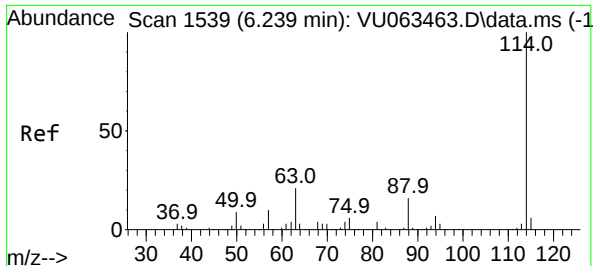
Tgt Ion:168 Resp: 105828
Ion Ratio Lower Upper
168 100
99 64.3 47.7 71.5



#33
1,2-Dichloroethane-d4
Concen: 55.315 ug/l
RT: 5.692 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VU063485.D
Acq: 11 Jul 2025 10:02

Tgt Ion: 65 Resp: 74688
Ion Ratio Lower Upper
65 100
67 52.5 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: VU063485.D

Acq: 11 Jul 2025 10:02

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBL02

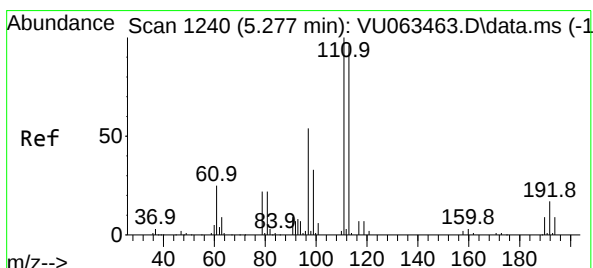
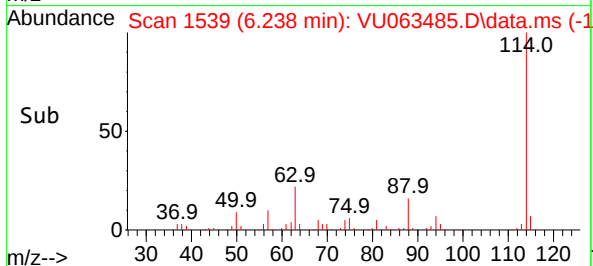
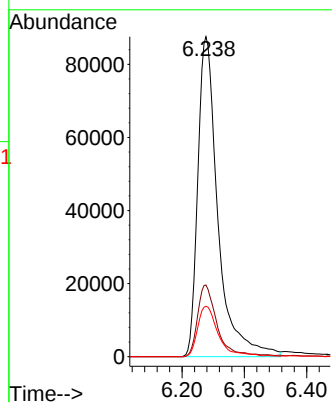
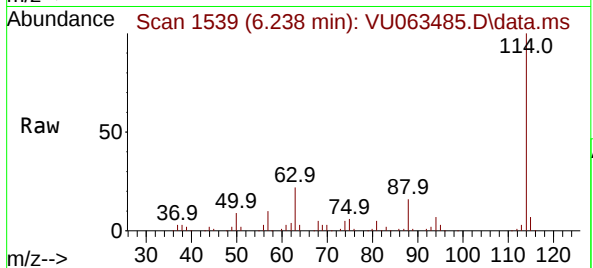
Tgt Ion:114 Resp: 195916

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.6

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.855 ug/l

RT: 5.277 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VU063485.D

Acq: 11 Jul 2025 10:02

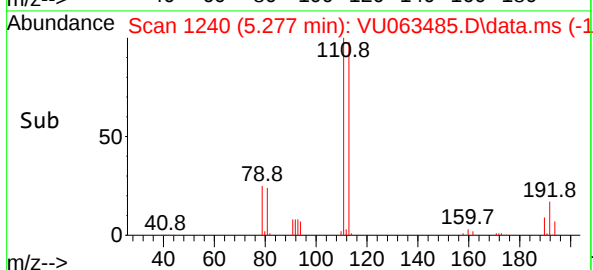
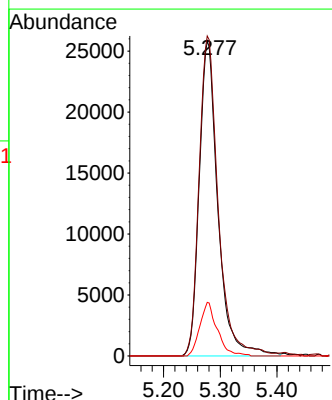
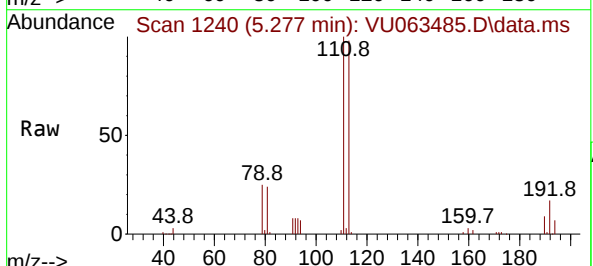
Tgt Ion:113 Resp: 58876

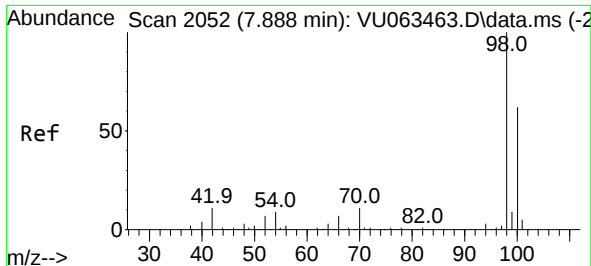
Ion Ratio Lower Upper

113 100

111 104.0 82.1 123.1

192 16.0 14.3 21.5

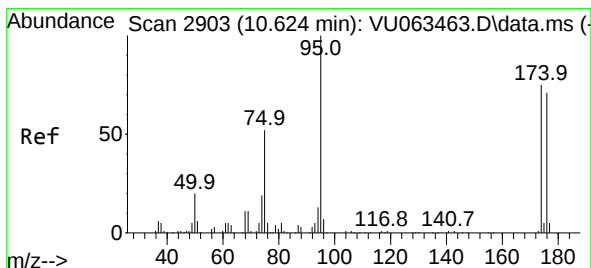
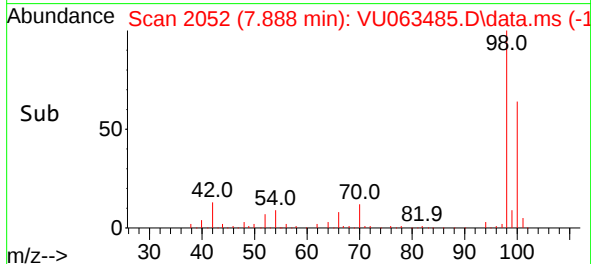
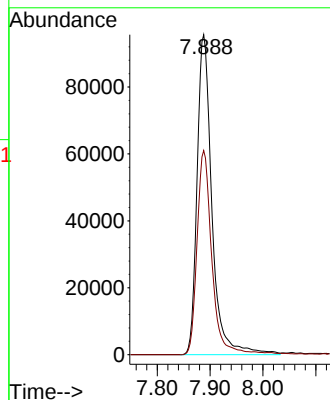
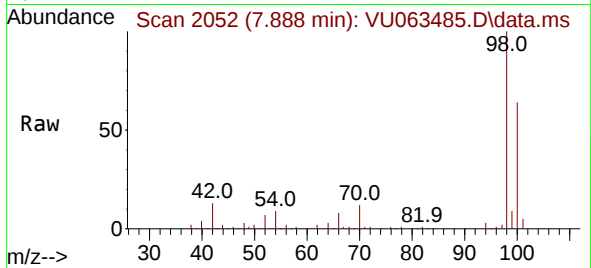




#50
Toluene-d8
Concen: 48.545 ug/l
RT: 7.888 min Scan# 2052
Delta R.T. -0.000 min
Lab File: VU063485.D
Acq: 11 Jul 2025 10:02

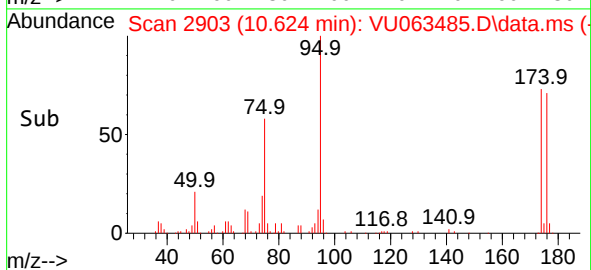
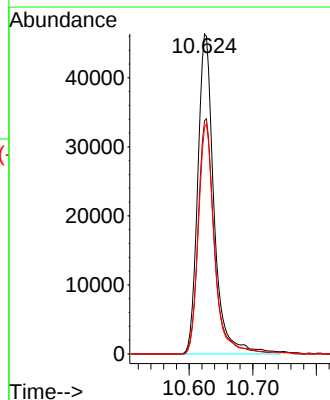
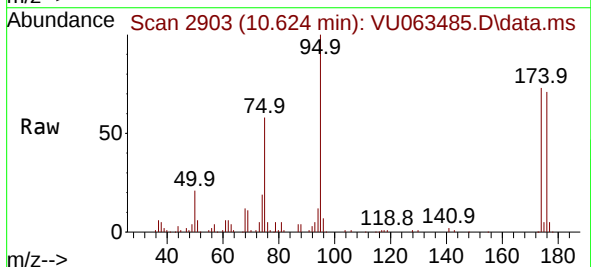
Instrument :
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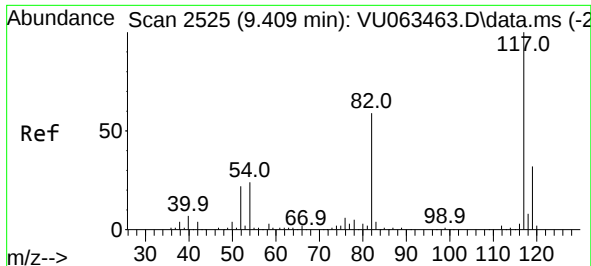
Tgt Ion: 98 Resp: 186873
Ion Ratio Lower Upper
98 100
100 62.8 48.1 72.1



#62
4-Bromofluorobenzene
Concen: 48.911 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VU063485.D
Acq: 11 Jul 2025 10:02

Tgt Ion: 95 Resp: 82356
Ion Ratio Lower Upper
95 100
174 72.9 0.0 153.6
176 70.9 0.0 145.8

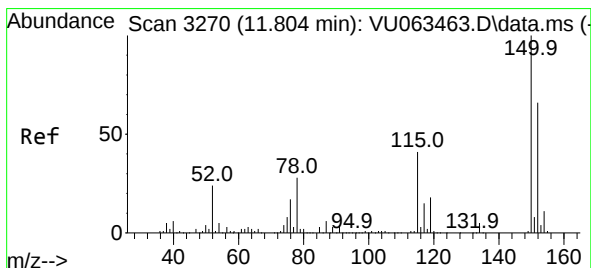
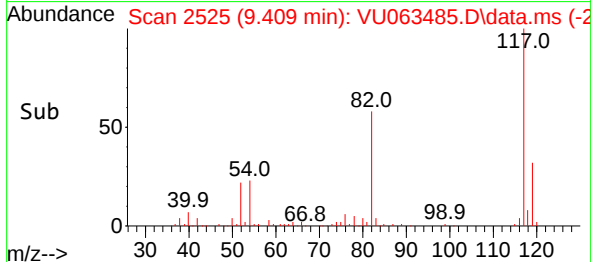
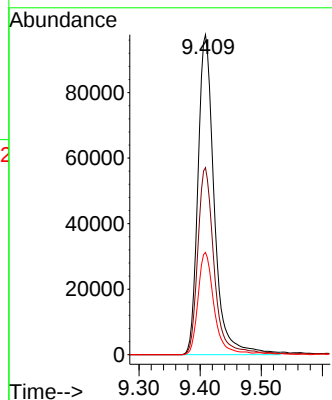
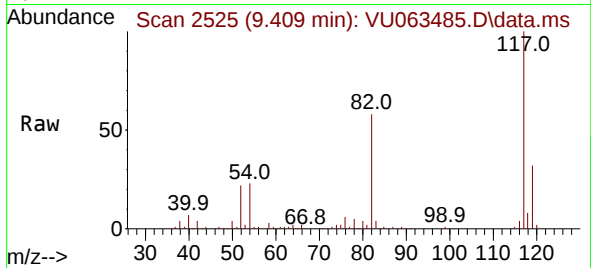




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.409 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063485.D
Acq: 11 Jul 2025 10:02

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBL02

Tgt Ion:117 Resp: 181318
Ion Ratio Lower Upper
117 100
82 58.4 47.1 70.7
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.804 min Scan# 3270
Delta R.T. -0.000 min
Lab File: VU063485.D
Acq: 11 Jul 2025 10:02

Tgt Ion:152 Resp: 88560
Ion Ratio Lower Upper
152 100
115 63.1 43.4 130.2
150 157.1 0.0 341.4

