

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026759.D
 Acq On : 25 Aug 2025 13:43
 Operator : SY/MD
 Sample : VR0825WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0825WBL01

Quant Time: Aug 25 22:48:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:59:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.401	168	1531647	50.000	ug/l	0.02
33) 1,4-Difluorobenzene	8.402	114	2610961	50.000	ug/l	0.01
62) Chlorobenzene-d5	11.572	117	1908342	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.774	152	552114	50.000	ug/l	0.02

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.779	65	908812	47.249	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.500%
34) Dibromofluoromethane	7.308	113	752513	44.190	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.380%
49) Toluene-d8	10.083	98	2910407	50.981	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.960%
61) 4-Bromofluorobenzene	12.705	95	777943	48.027	ug/l	0.01
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.060%

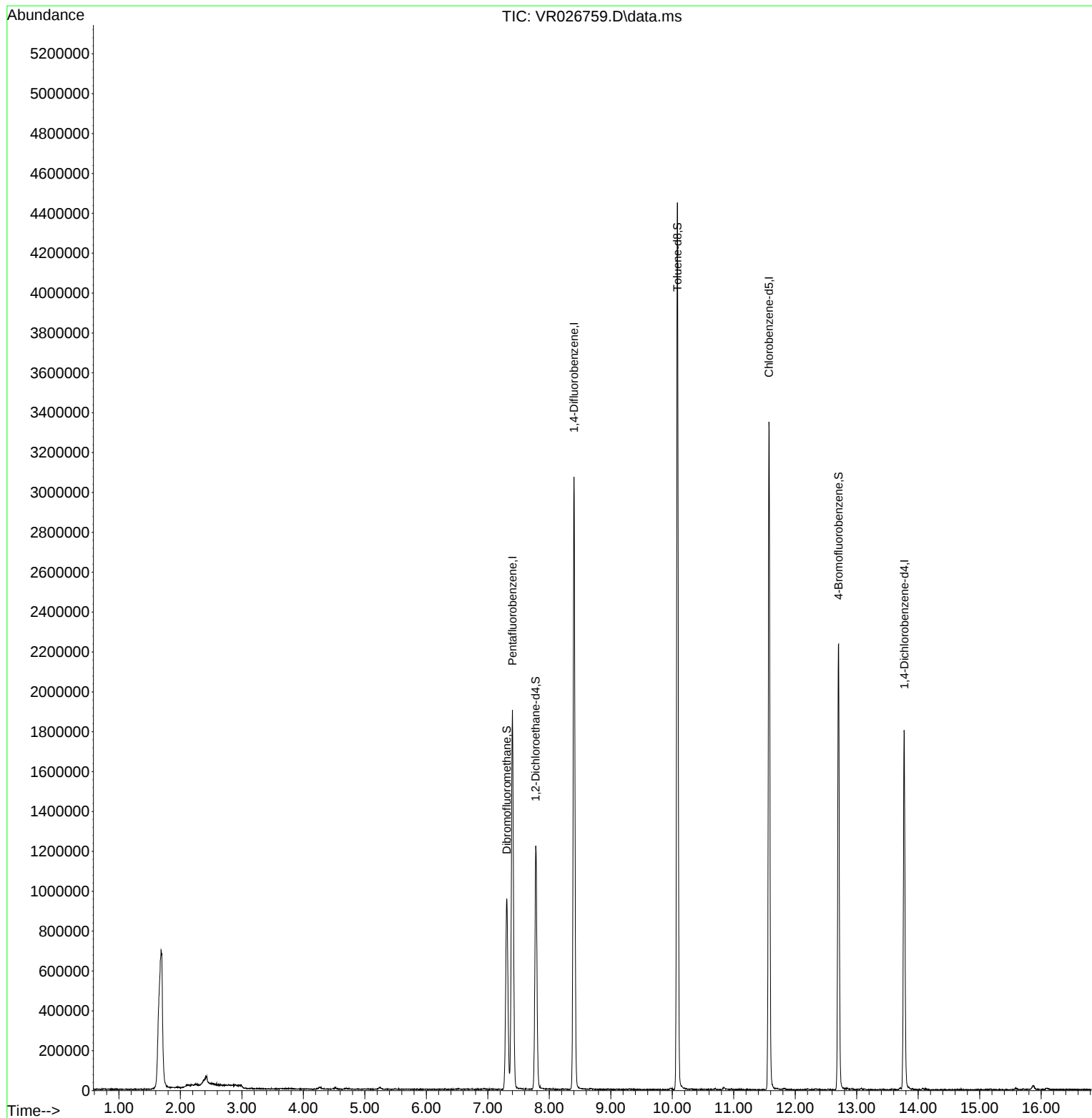
Target Compounds	Qvalue

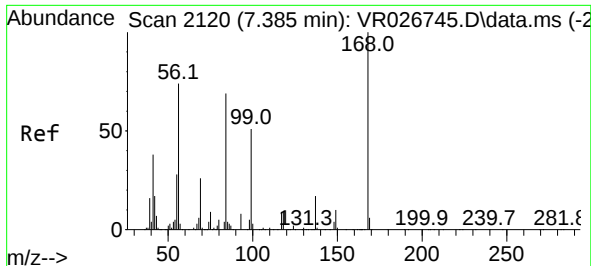
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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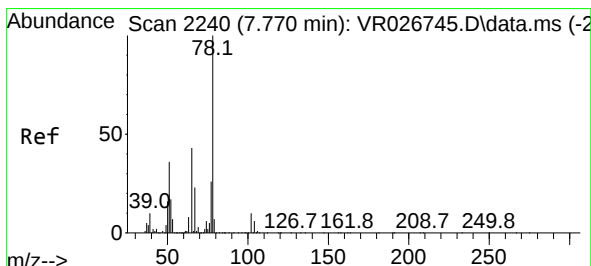
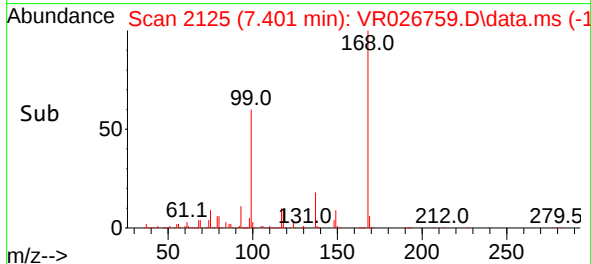
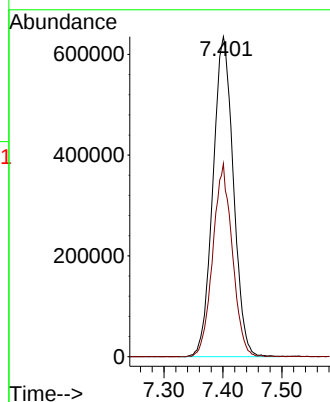
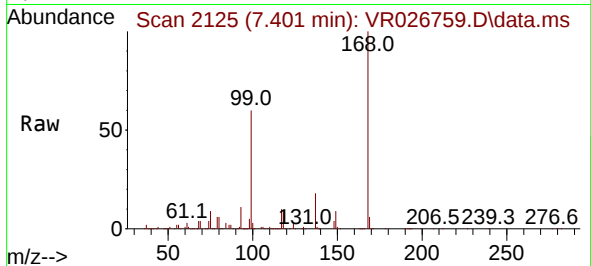




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.401 min Scan# 2120
Delta R.T. 0.016 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

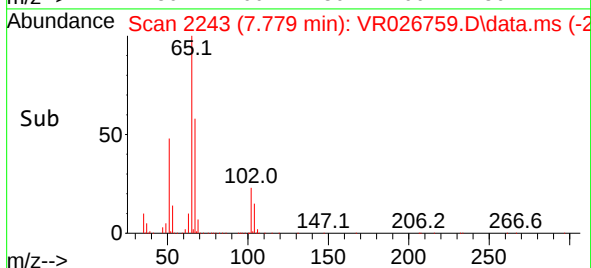
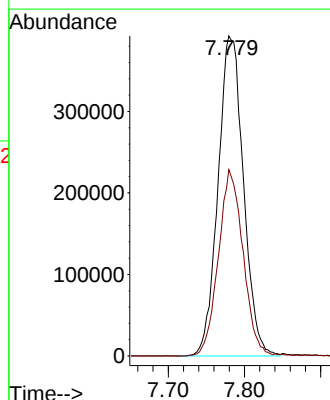
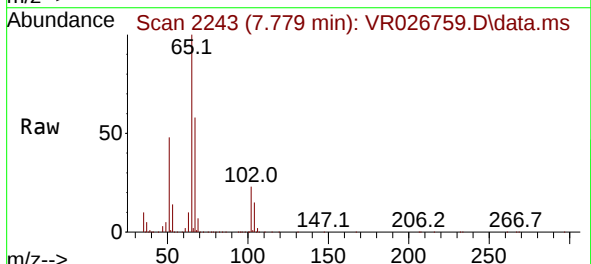
Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

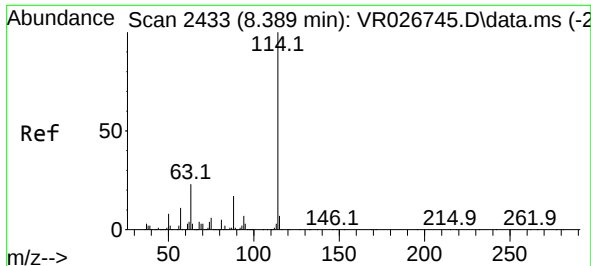
Tgt Ion:168 Resp: 1531647
Ion Ratio Lower Upper
168 100
99 60.3 47.1 70.7



#32
1,2-Dichloroethane-d4
Concen: 47.249 ug/l
RT: 7.779 min Scan# 2243
Delta R.T. 0.010 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 65 Resp: 908812
Ion Ratio Lower Upper
65 100
67 56.7 0.0 111.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.402 min Scan# 2433

Delta R.T. 0.013 min

Lab File: VR026759.D

Acq: 25 Aug 2025 13:43

Instrument :

MSVOA_R

ClientSampleId :

VR0825WBL01

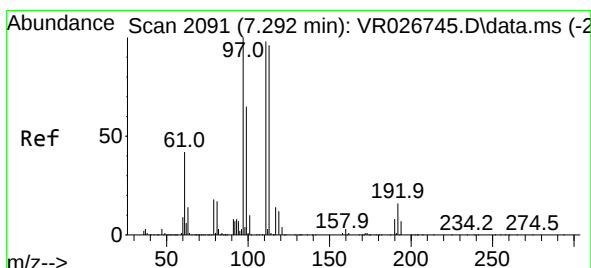
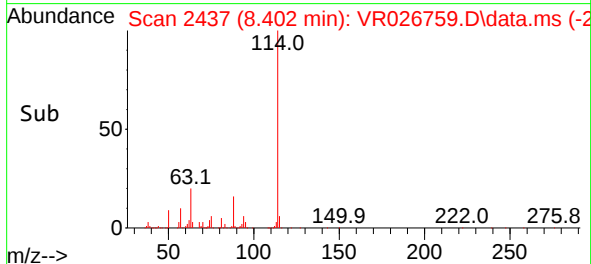
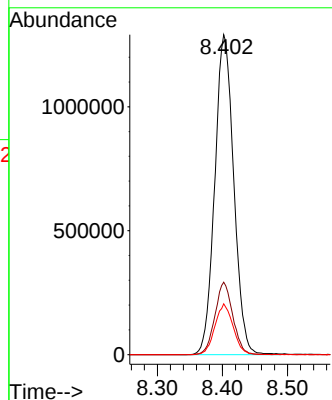
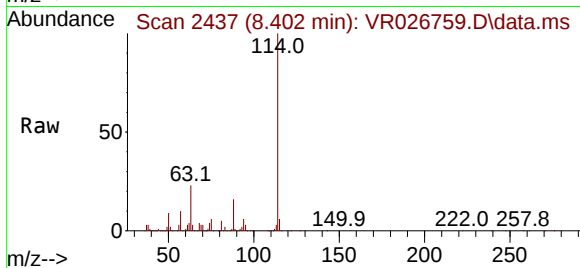
Tgt Ion:114 Resp: 2610961

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.8

88 15.9 0.0 34.8



#34

Dibromofluoromethane

Concen: 44.190 ug/l

RT: 7.308 min Scan# 2096

Delta R.T. 0.016 min

Lab File: VR026759.D

Acq: 25 Aug 2025 13:43

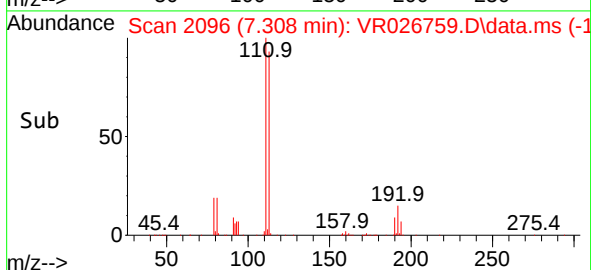
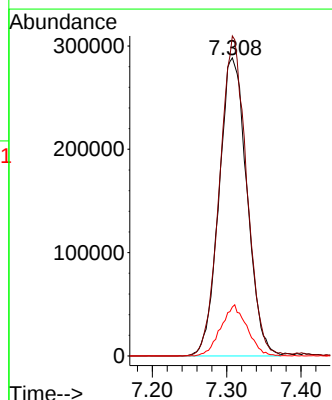
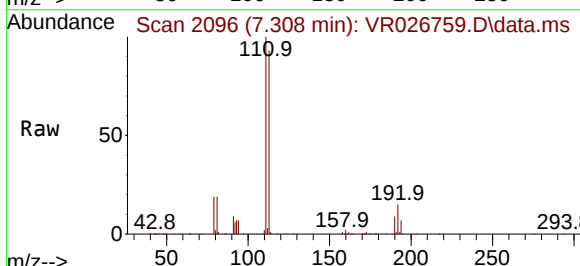
Tgt Ion:113 Resp: 752513

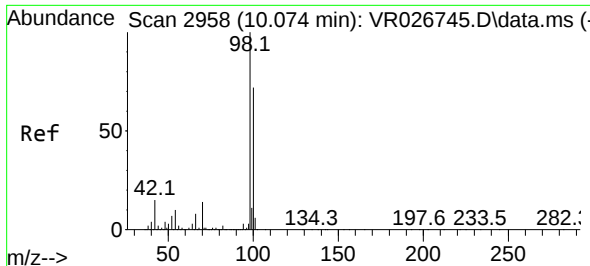
Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 16.2 12.9 19.3

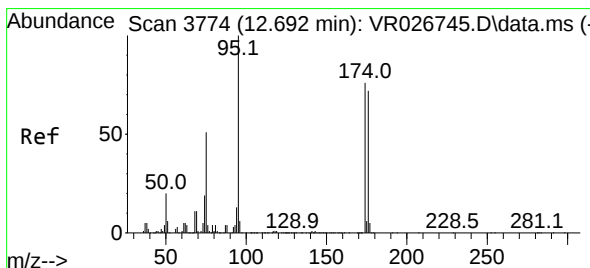
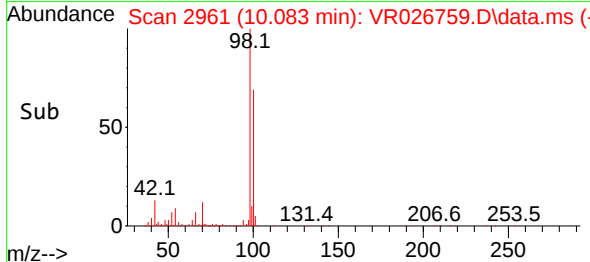
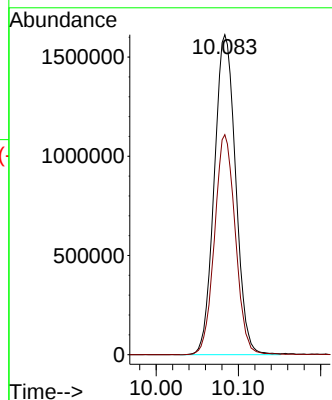
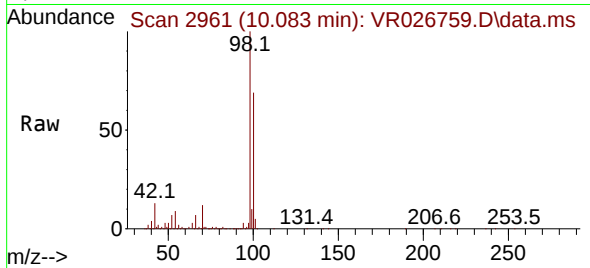




#49
Toluene-d8
Concen: 50.981 ug/l
RT: 10.083 min Scan# 2958
Delta R.T. 0.010 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

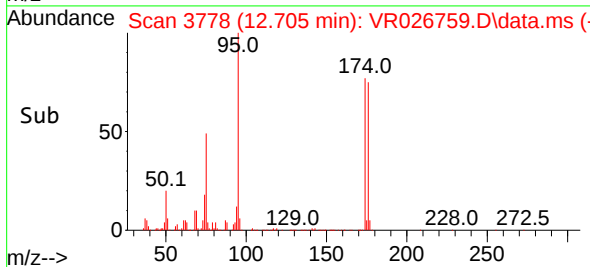
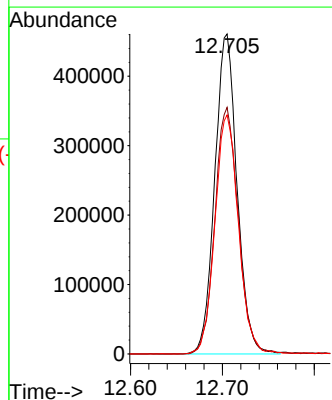
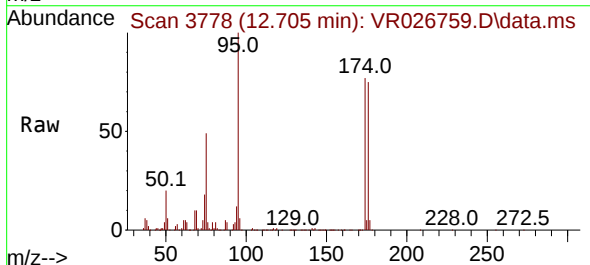
Instrument :
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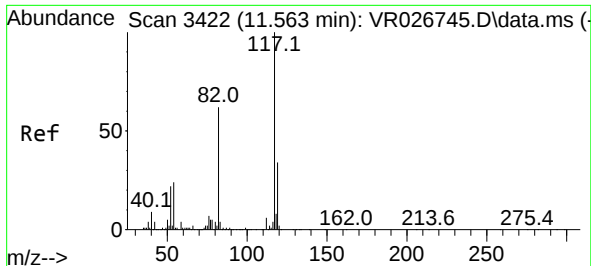
Tgt Ion: 98 Resp: 2910407
Ion Ratio Lower Upper
98 100
100 67.0 55.7 83.5



#61
4-Bromofluorobenzene
Concen: 48.027 ug/l
RT: 12.705 min Scan# 3778
Delta R.T. 0.013 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion: 95 Resp: 777943
Ion Ratio Lower Upper
95 100
174 81.1 0.0 156.6
176 78.9 0.0 150.2

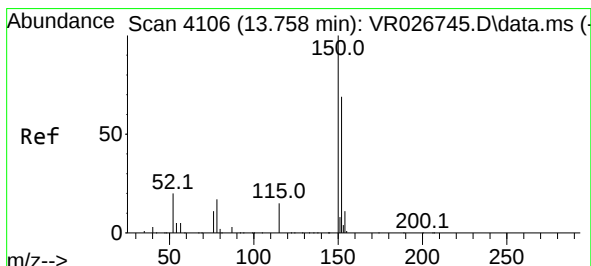
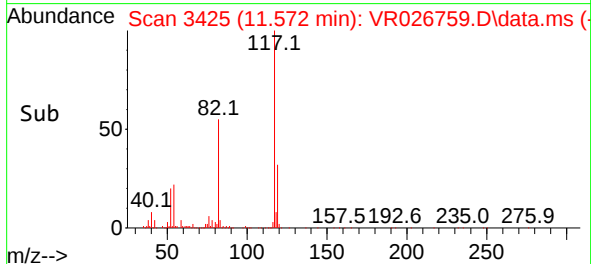
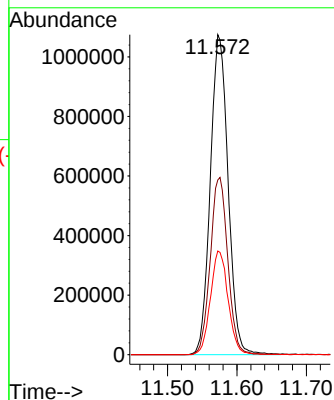
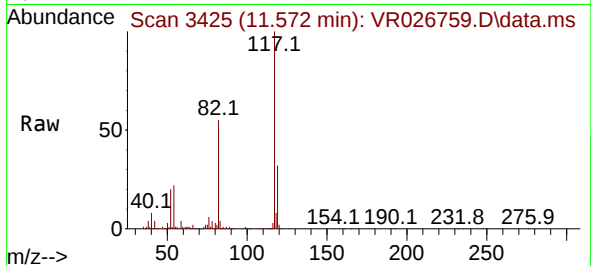




#62
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.572 min Scan# 3411
Delta R.T. 0.009 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Instrument :
MSVOA_R
ClientSampleId :
VR0825WBL01

Tgt Ion:117 Resp: 1908342
Ion Ratio Lower Upper
117 100
82 54.6 49.9 74.9
119 32.4 27.4 41.2



#71
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.774 min Scan# 4111
Delta R.T. 0.016 min
Lab File: VR026759.D
Acq: 25 Aug 2025 13:43

Tgt Ion:152 Resp: 552114
Ion Ratio Lower Upper
152 100
115 54.3 28.5 85.5
150 155.8 0.0 352.0

