

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080725\
 Data File : VR026724.D
 Acq On : 7 Aug 2025 13:34
 Operator : SY/MD
 Sample : VR0807MBL01
 Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_R/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0807MBL01

Quant Time: Aug 08 01:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.288	168	385989	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.315	114	686715	50.000	ug/l	-0.02
62) Chlorobenzene-d5	11.527	117	540477	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.738	152	248073	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.673	65	233387	47.773	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.540%
34) Dibromofluoromethane	7.186	113	193304	45.511	ug/l	-0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.020%
49) Toluene-d8	10.026	98	782353	51.414	ug/l	-0.01
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.820%
61) 4-Bromofluorobenzene	12.666	95	200885	46.414	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.820%

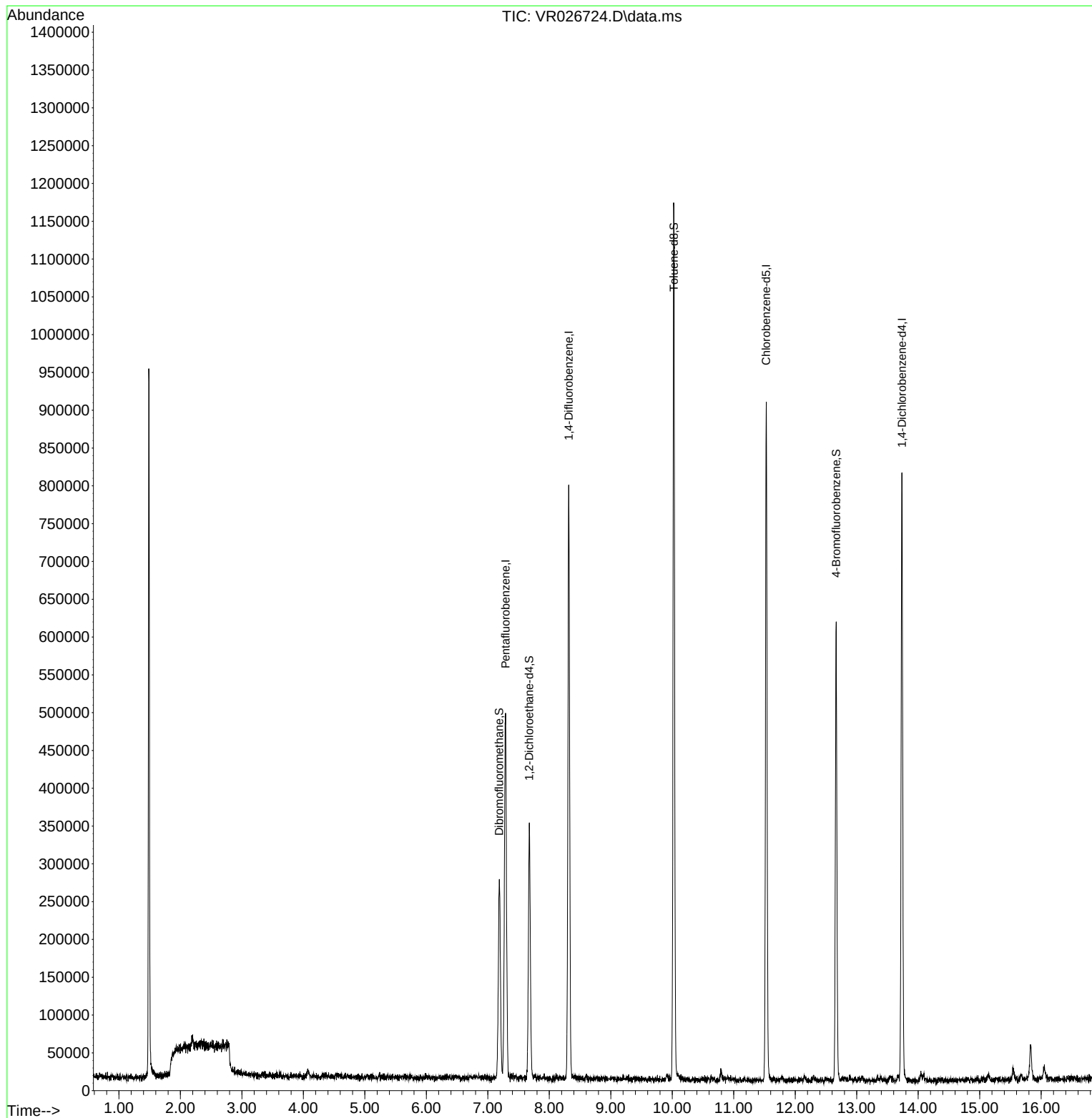
Target Compounds	Qvalue

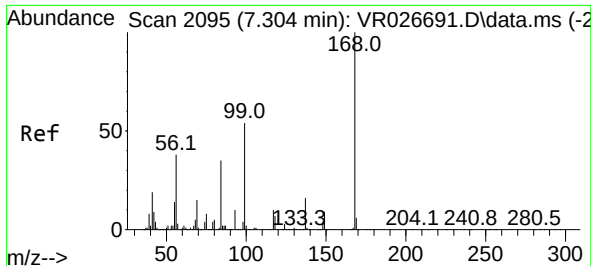
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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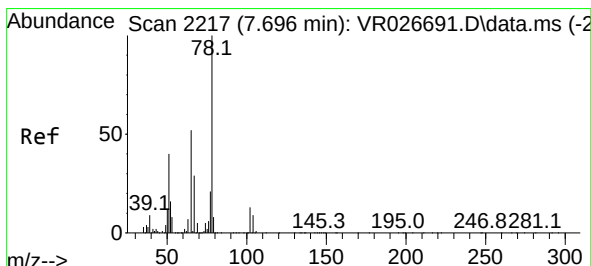
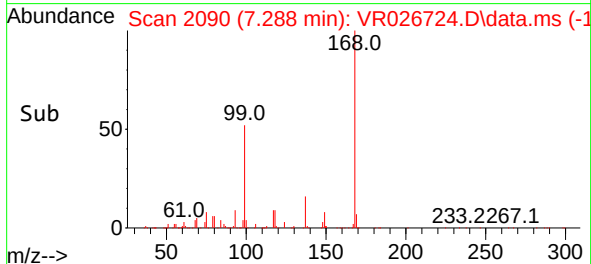
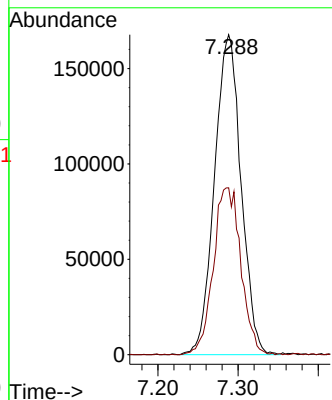
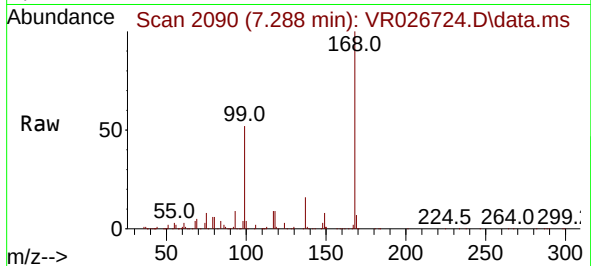




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.288 min Scan# 2095
Delta R.T. -0.016 min
Lab File: VR026724.D
Acq: 7 Aug 2025 13:34

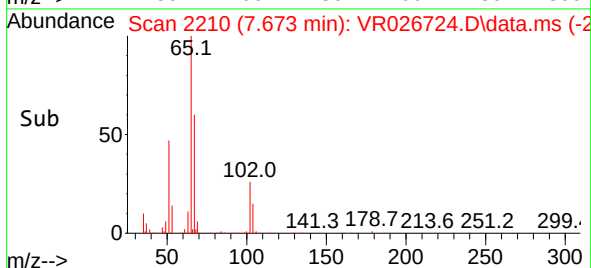
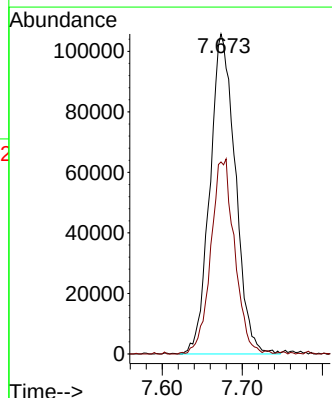
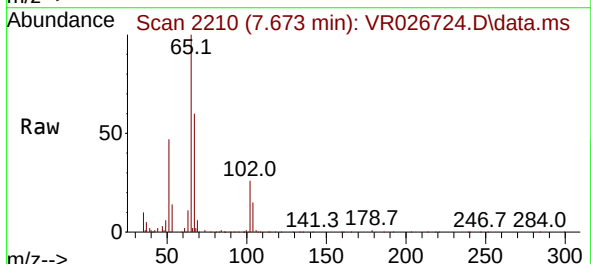
Instrument :
MSVOA_R
ClientSampleId :
VR0807MBL01

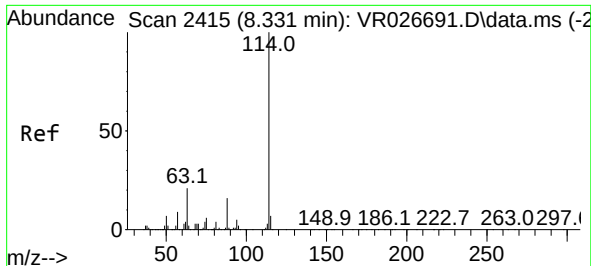
Tgt Ion:168 Resp: 385989
Ion Ratio Lower Upper
168 100
99 52.1 43.8 65.8



#32
1,2-Dichloroethane-d4
Concen: 47.773 ug/l
RT: 7.673 min Scan# 2210
Delta R.T. -0.023 min
Lab File: VR026724.D
Acq: 7 Aug 2025 13:34

Tgt Ion: 65 Resp: 233387
Ion Ratio Lower Upper
65 100
67 56.9 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.315 min Scan# 2415

Delta R.T. -0.016 min

Lab File: VR026724.D

Acq: 7 Aug 2025 13:34

Instrument :

MSVOA_R

ClientSampleId :

VR0807MBL01

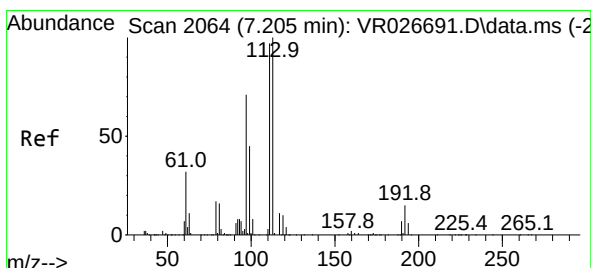
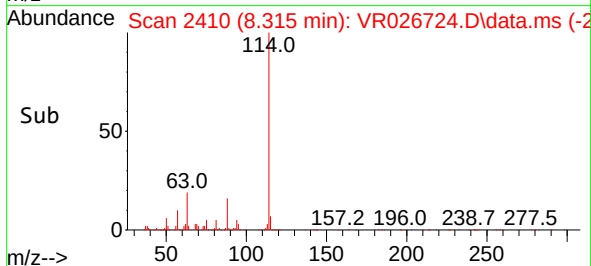
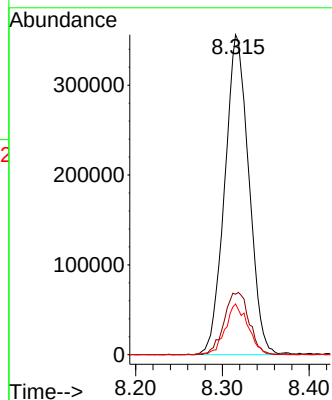
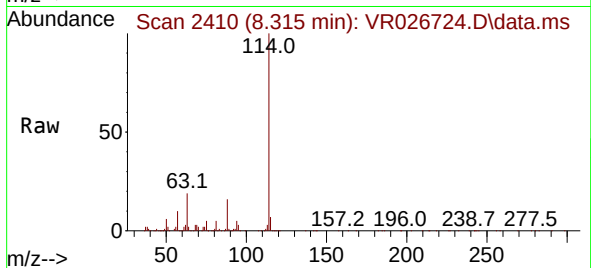
Tgt Ion:114 Resp: 686715

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.6

88 15.8 0.0 32.6



#34

Dibromofluoromethane

Concen: 45.511 ug/l

RT: 7.186 min Scan# 2058

Delta R.T. -0.019 min

Lab File: VR026724.D

Acq: 7 Aug 2025 13:34

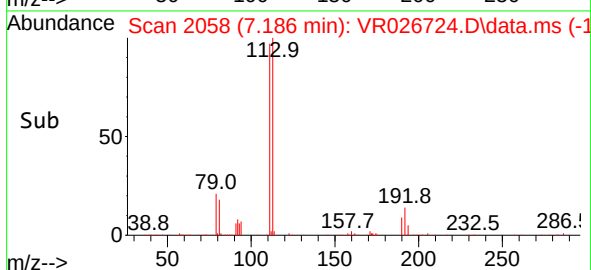
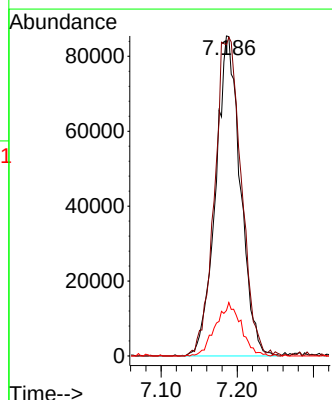
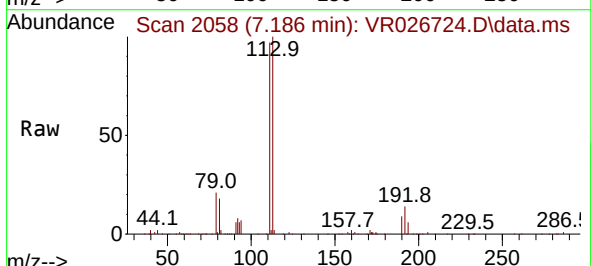
Tgt Ion:113 Resp: 193304

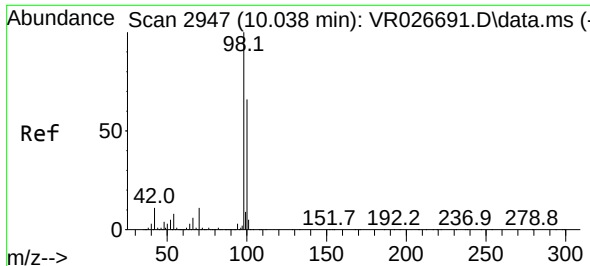
Ion Ratio Lower Upper

113 100

111 106.8 81.7 122.5

192 17.1 12.3 18.5

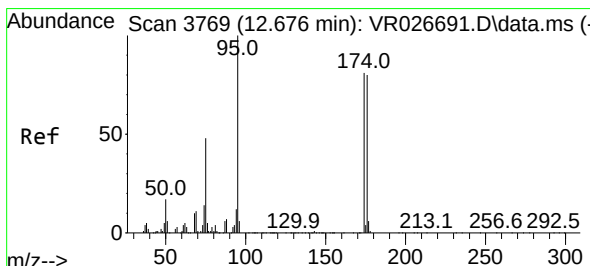
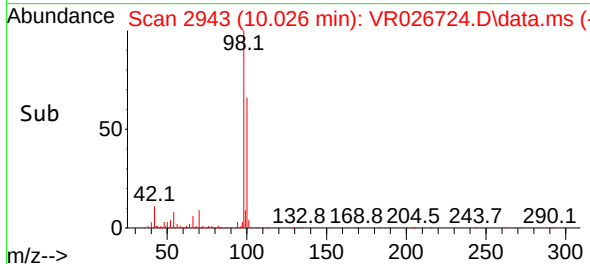
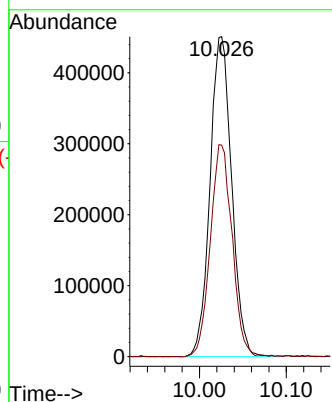
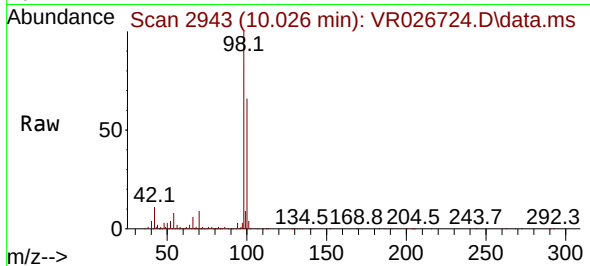




#49
Toluene-d8
Concen: 51.414 ug/l
RT: 10.026 min Scan# 2943
Delta R.T. -0.013 min
Lab File: VR026724.D
Acq: 7 Aug 2025 13:34

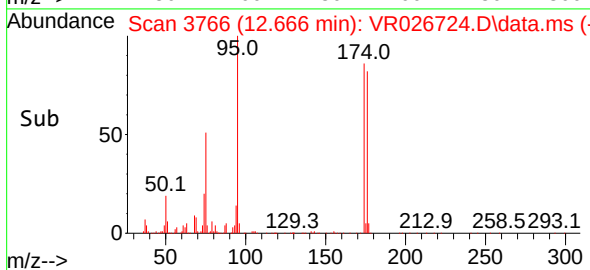
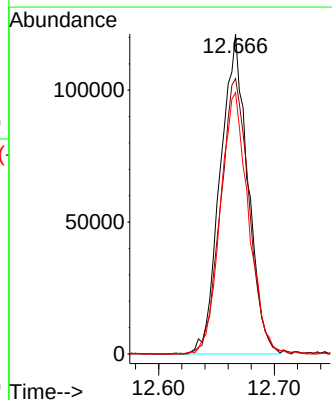
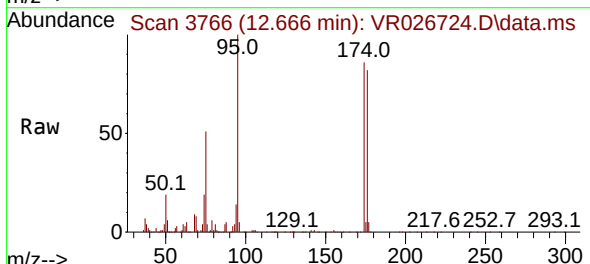
Instrument :
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VR0807MBL01

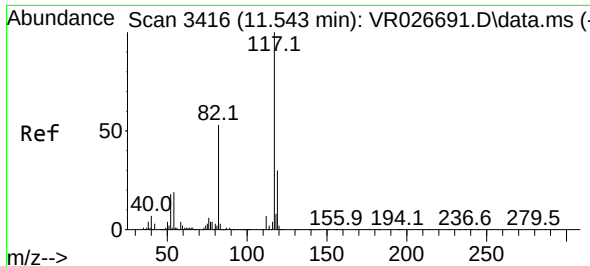
Tgt Ion: 98 Resp: 782353
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 46.414 ug/l
RT: 12.666 min Scan# 3766
Delta R.T. -0.010 min
Lab File: VR026724.D
Acq: 7 Aug 2025 13:34

Tgt Ion: 95 Resp: 200885
Ion Ratio Lower Upper
95 100
174 88.5 0.0 158.4
176 83.4 0.0 149.0

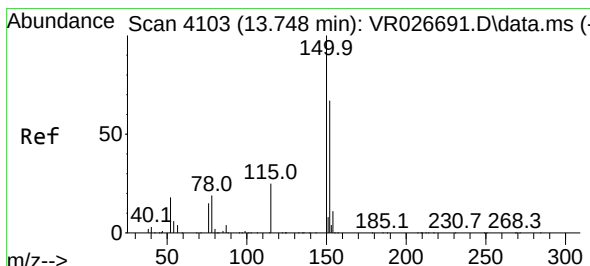
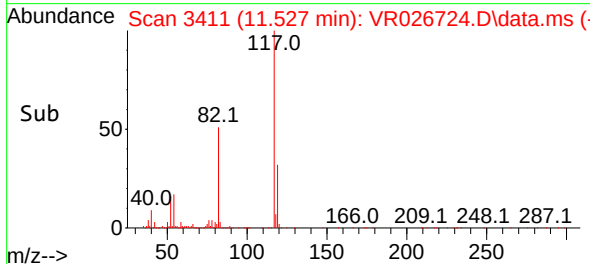
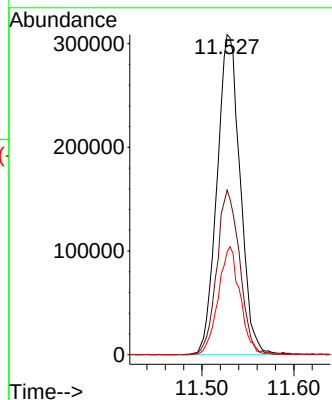
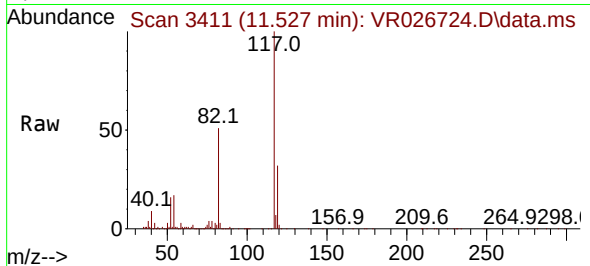




#62
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.527 min Scan# 3411
Delta R.T. -0.016 min
Lab File: VR026724.D
Acq: 7 Aug 2025 13:34

Instrument :
MSVOA_R
ClientSampleId :
VR0807MBL01

Tgt Ion:117 Resp: 540477
Ion Ratio Lower Upper
117 100
82 51.3 42.0 63.0
119 31.9 23.9 35.9



#71
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.738 min Scan# 4100
Delta R.T. -0.010 min
Lab File: VR026724.D
Acq: 7 Aug 2025 13:34

Tgt Ion:152 Resp: 248073
Ion Ratio Lower Upper
152 100
115 52.1 27.8 83.4
150 160.4 0.0 350.4

