

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026704.D
 Acq On : 5 Aug 2025 10:18
 Operator : SY/MD
 Sample : VR0805WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0805WBL01

Quant Time: Aug 06 01:19:14 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	7.295	168	460994	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.322	114	839454	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.534	117	639224	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.738	152	288536	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	296423	50.804	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.600%
34) Dibromofluoromethane	7.202	113	244270	47.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.100%
49) Toluene-d8	10.029	98	975048	52.418	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
61) 4-Bromofluorobenzene	12.667	95	257300	48.632	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.260%

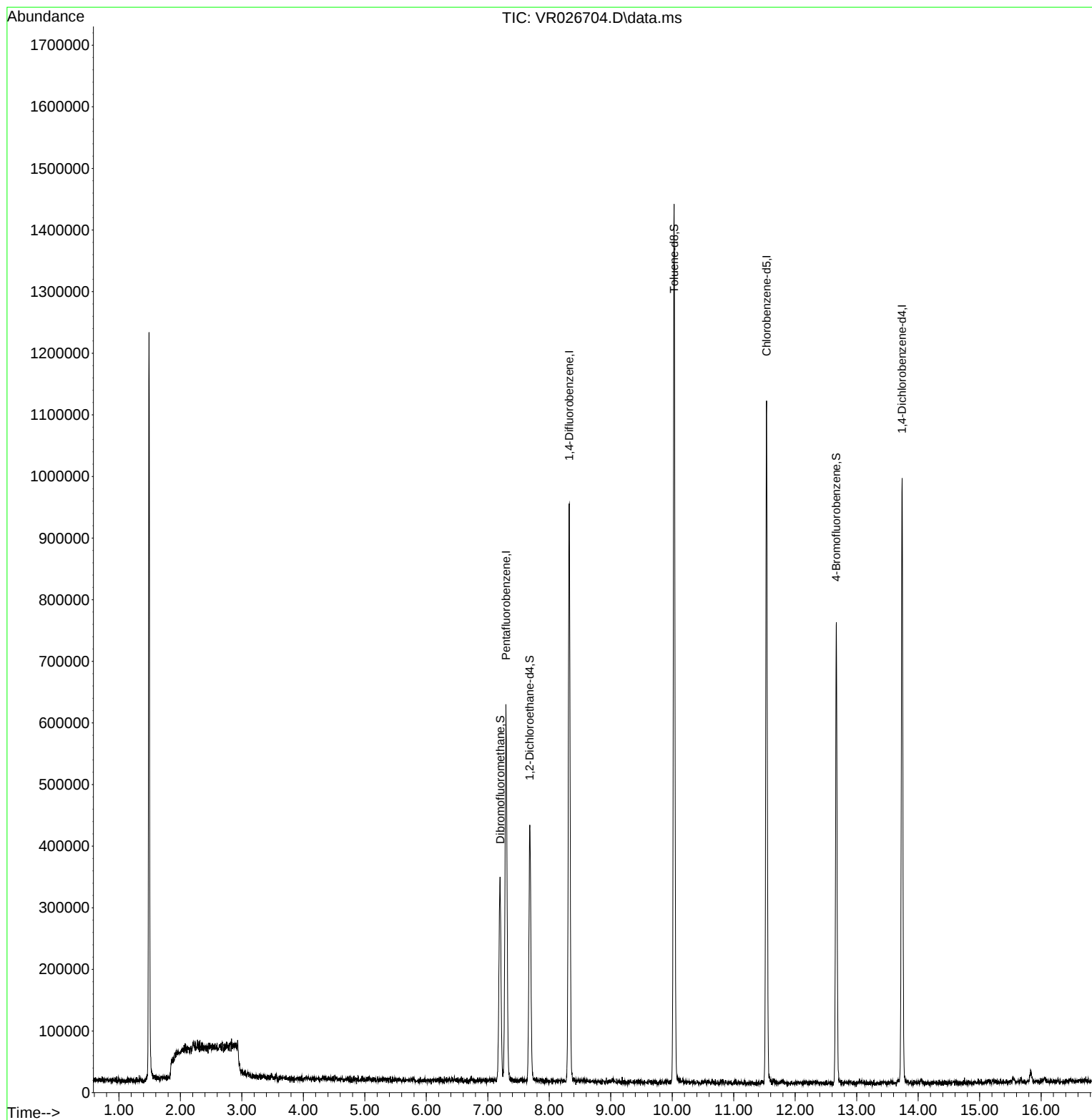
Target Compounds	Qvalue

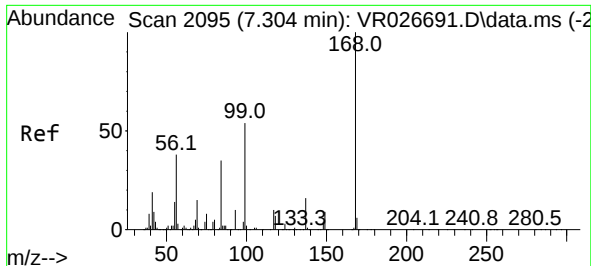
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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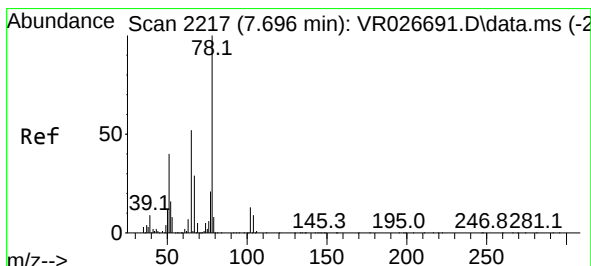
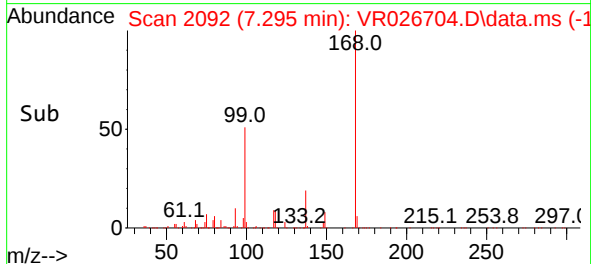
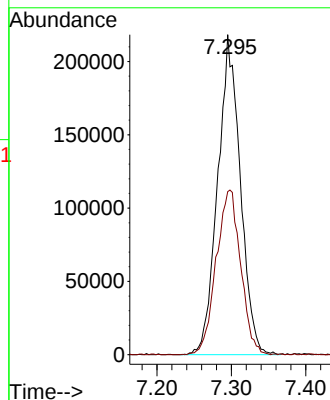
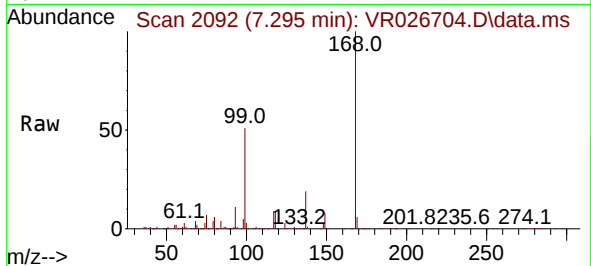




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.295 min Scan# 2095
Delta R.T. -0.009 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

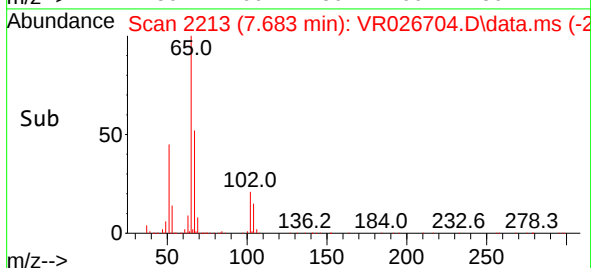
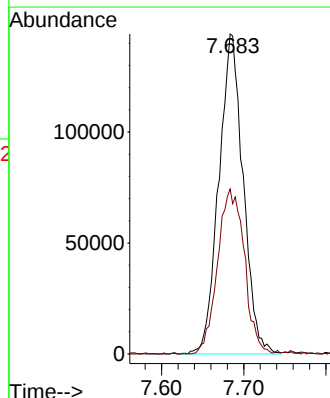
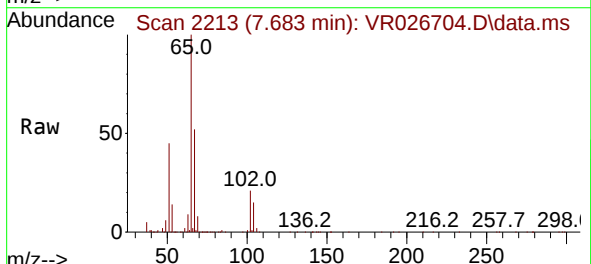
Instrument :
MSVOA_R
ClientSampleId :
VR0805WBL01

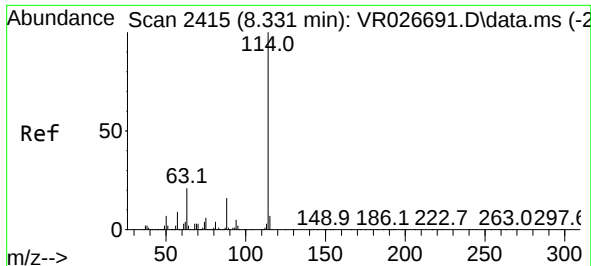
Tgt Ion:168 Resp: 460994
Ion Ratio Lower Upper
168 100
99 51.0 43.8 65.8



#32
1,2-Dichloroethane-d4
Concen: 50.804 ug/l
RT: 7.683 min Scan# 2213
Delta R.T. -0.013 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion: 65 Resp: 296423
Ion Ratio Lower Upper
65 100
67 56.6 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.322 min Scan# 2415

Delta R.T. -0.010 min

Lab File: VR026704.D

Acq: 5 Aug 2025 10:18

Instrument :

MSVOA_R

ClientSampleId :

VR0805WBL01

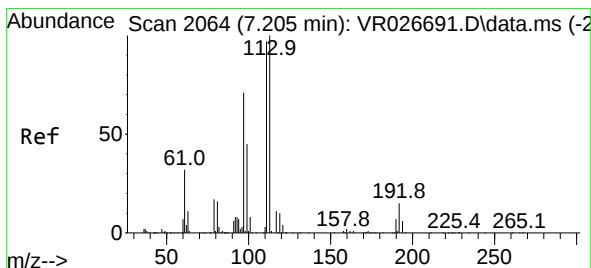
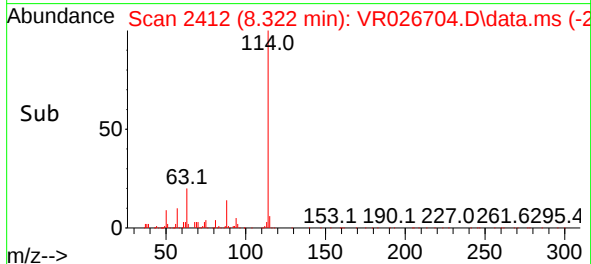
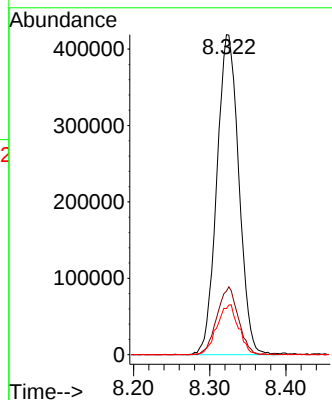
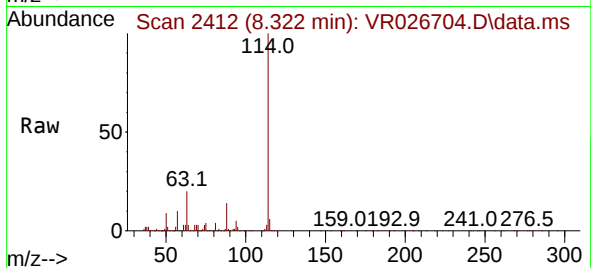
Tgt Ion:114 Resp: 839454

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 14.4 0.0 32.6



#34

Dibromofluoromethane

Concen: 47.047 ug/l

RT: 7.202 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VR026704.D

Acq: 5 Aug 2025 10:18

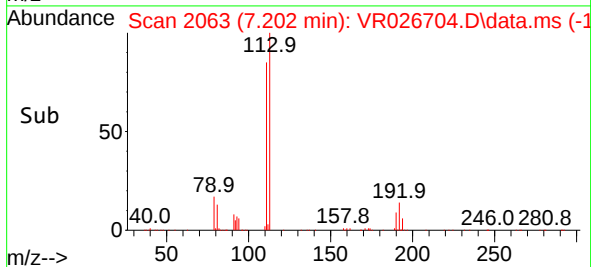
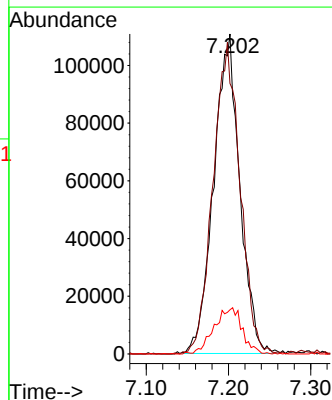
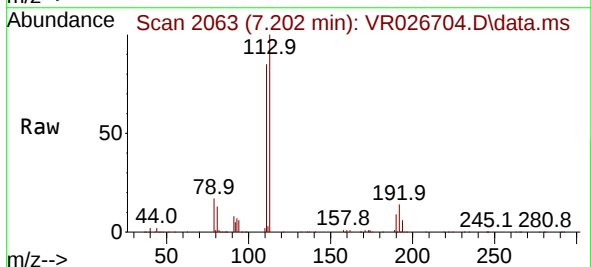
Tgt Ion:113 Resp: 244270

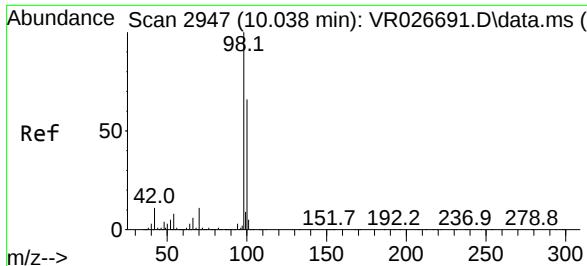
Ion Ratio Lower Upper

113 100

111 100.9 81.7 122.5

192 15.6 12.3 18.5

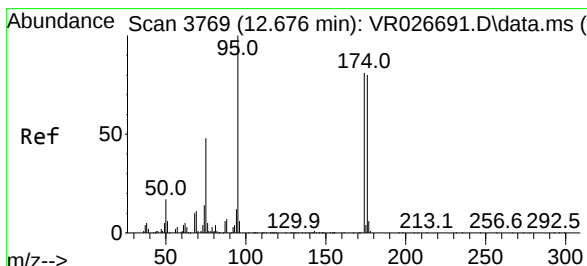
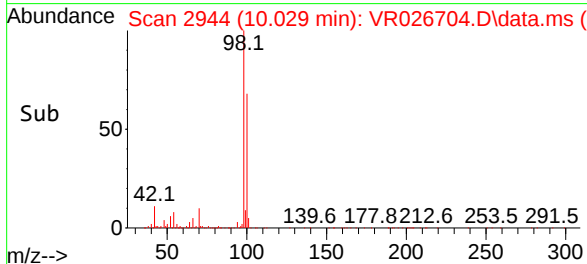
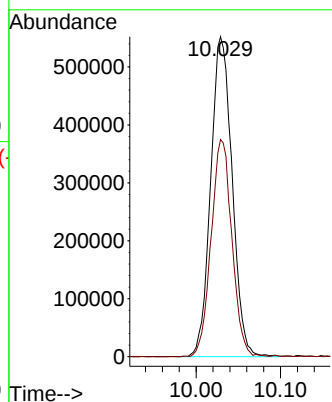
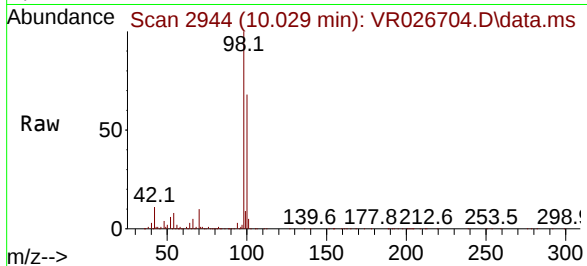




#49
Toluene-d8
Concen: 52.418 ug/l
RT: 10.029 min Scan# 2944
Delta R.T. -0.010 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

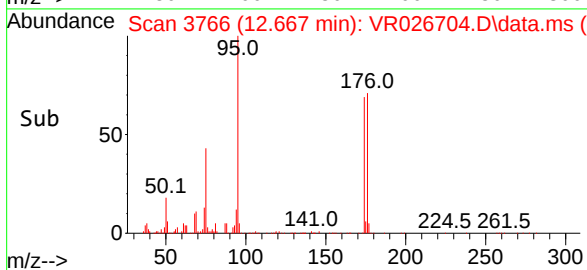
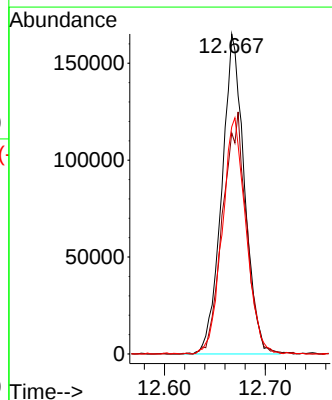
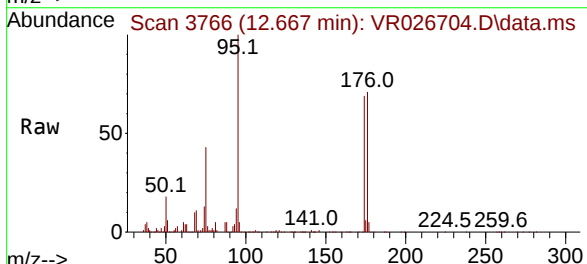
Instrument :
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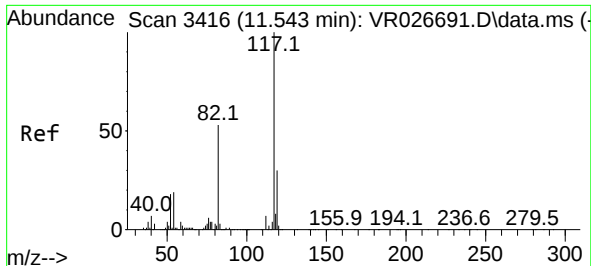
Tgt Ion: 98 Resp: 975048
Ion Ratio Lower Upper
98 100
100 65.7 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 48.632 ug/l
RT: 12.667 min Scan# 3766
Delta R.T. -0.009 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion: 95 Resp: 257300
Ion Ratio Lower Upper
95 100
174 79.6 0.0 158.4
176 77.2 0.0 149.0

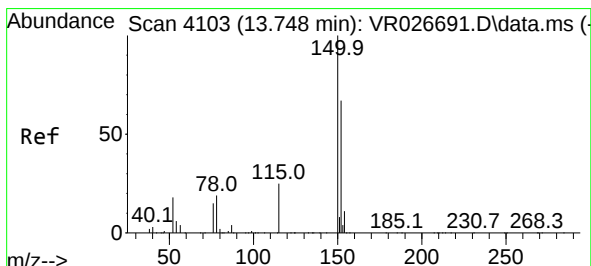
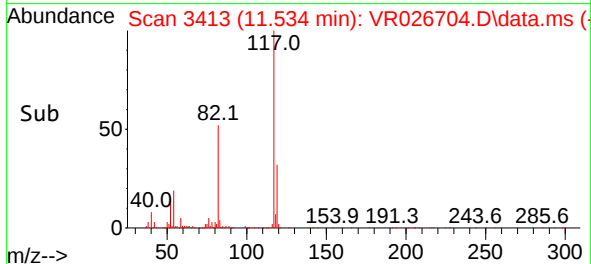
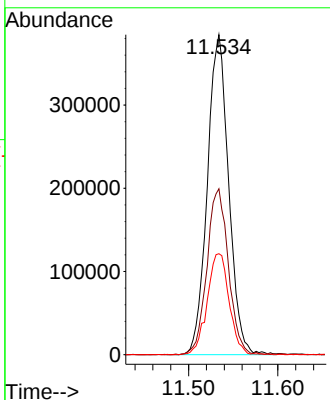
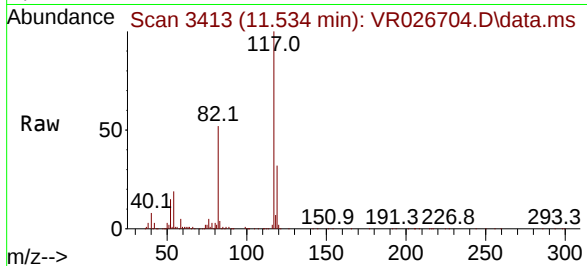




#62
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.534 min Scan# 3416
Delta R.T. -0.010 min
Lab File: VR026704.D
Acq: 5 Aug 2025 10:18

Instrument :
MSVOA_R
ClientSampleId :
VR0805WBL01

Tgt Ion:117 Resp: 639224
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 31.5 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: VR026704.D
Acq: 5 Aug 2025 10:18

Tgt Ion:152 Resp: 288536
Ion Ratio Lower Upper
152 100
115 53.0 27.8 83.4
150 160.6 0.0 350.4

