

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022679.D
 Acq On : 12 Jun 2025 17:19
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 13 05:43:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	237942	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	440144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	363653	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.340	152	136251	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	130936	49.201	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.400%
35) Dibromofluoromethane	7.628	113	135219	51.470	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.940%
50) Toluene-d8	10.103	98	533362	50.245	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.480%
62) 4-Bromofluorobenzene	12.402	95	133206	42.116	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.240%

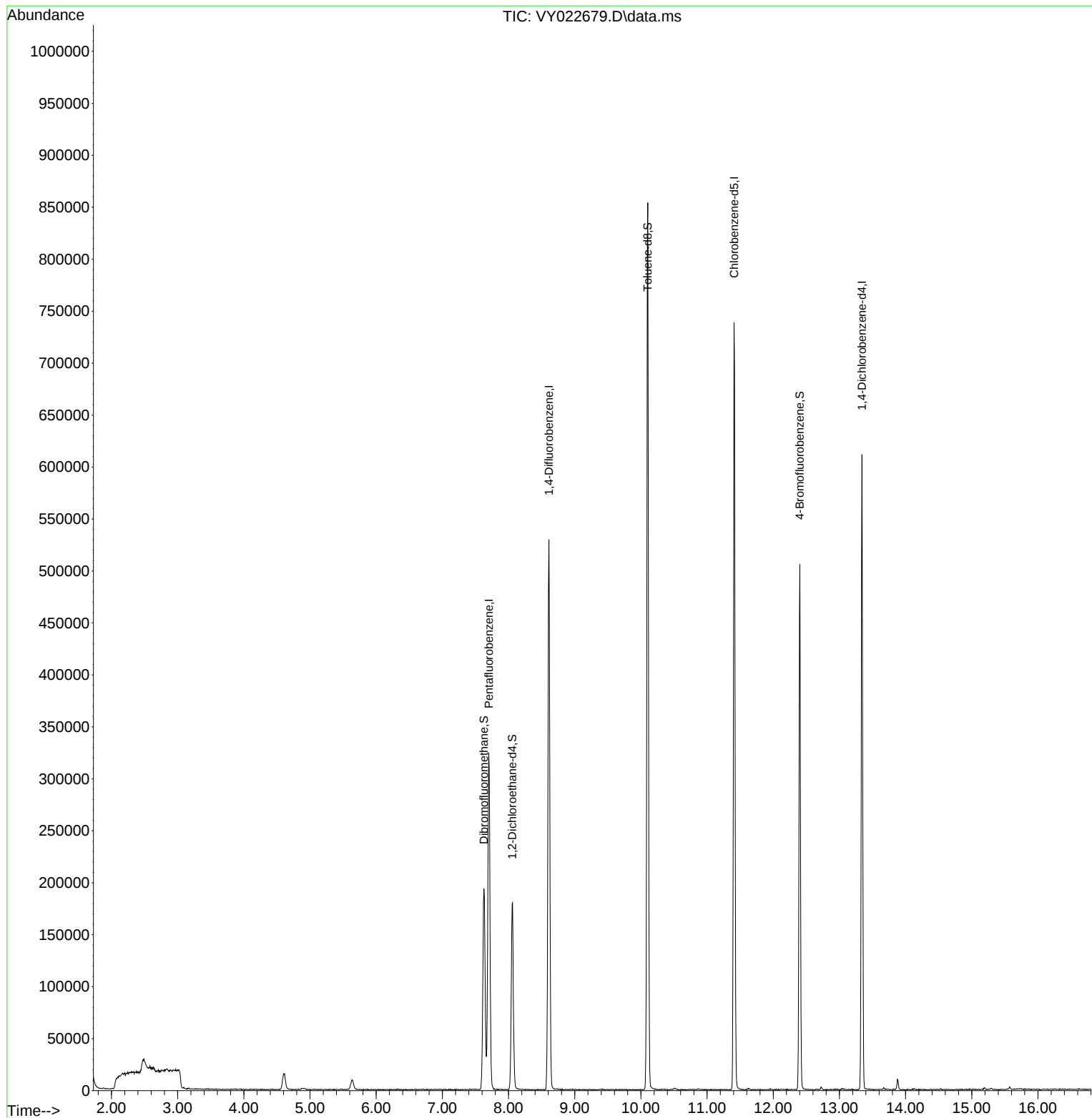
Target Compounds	Qvalue

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

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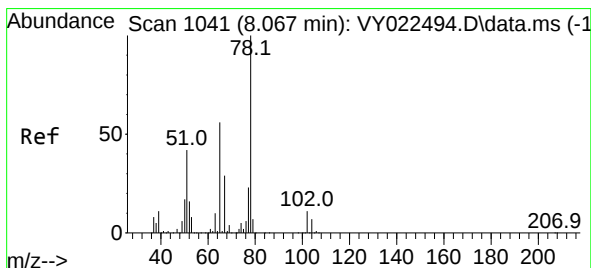
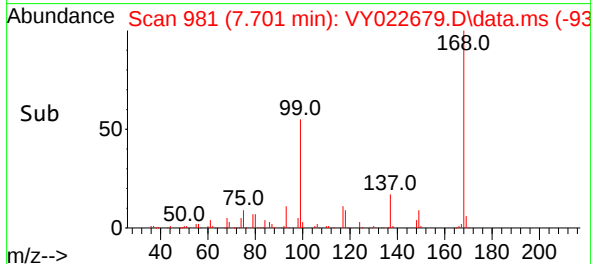
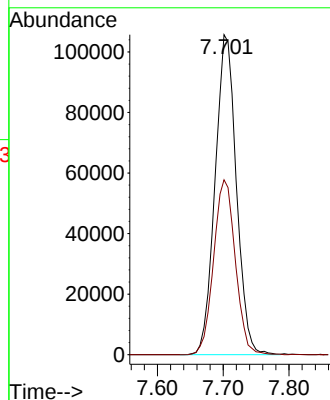
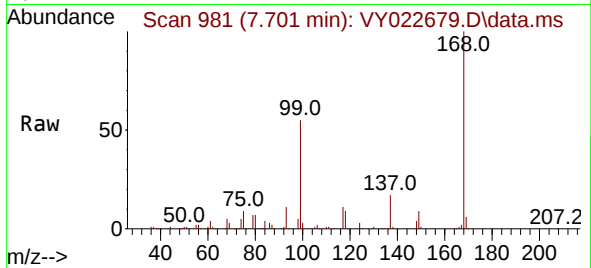




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

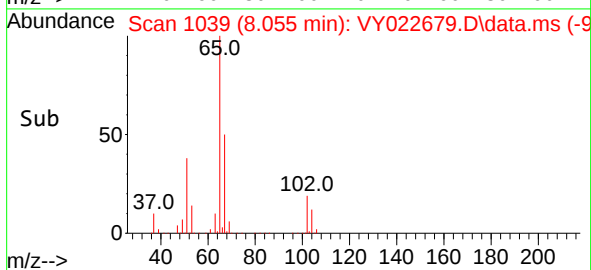
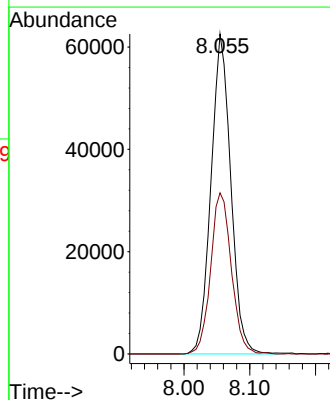
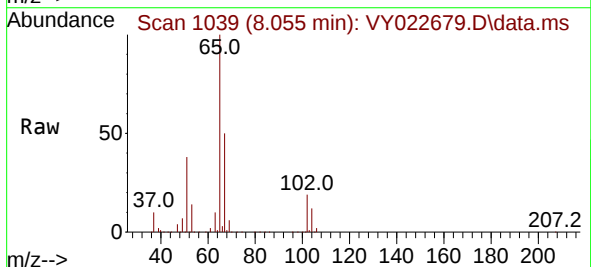
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

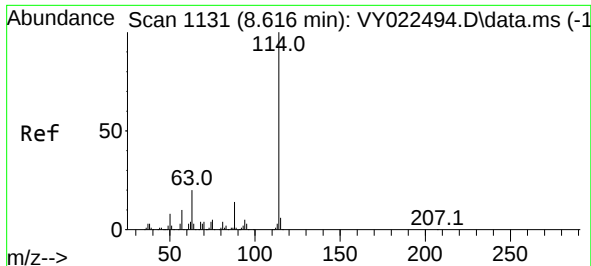
Tgt Ion:168 Resp: 237942
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.201 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion: 65 Resp: 130936
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022679.D

Acq: 12 Jun 2025 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

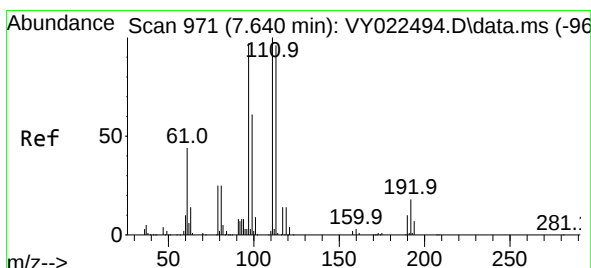
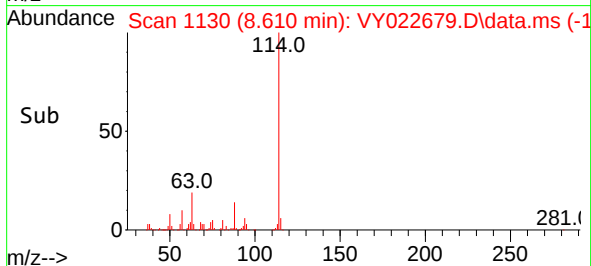
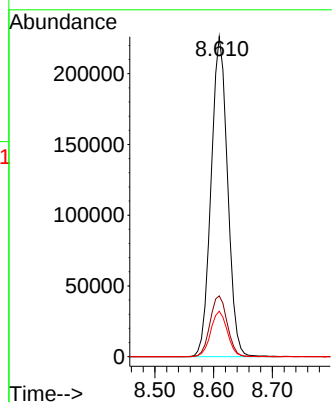
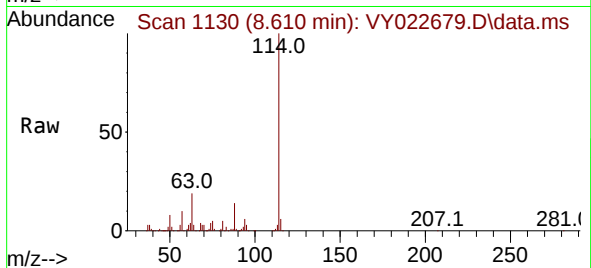
Tgt Ion:114 Resp: 440144

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.8

88 14.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.470 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022679.D

Acq: 12 Jun 2025 17:19

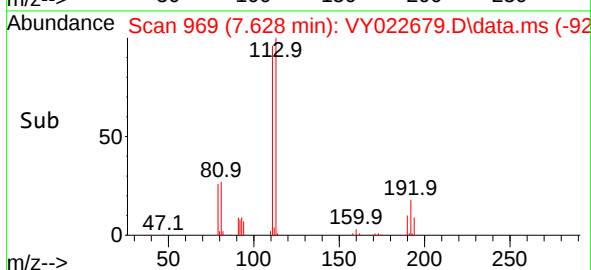
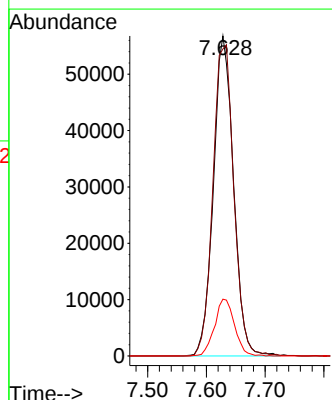
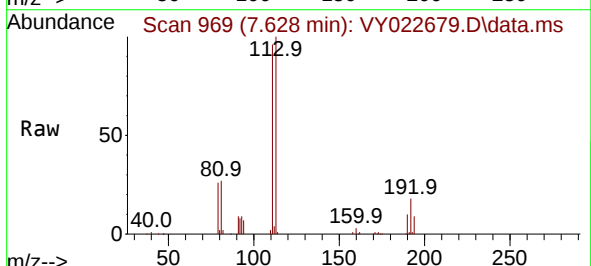
Tgt Ion:113 Resp: 135219

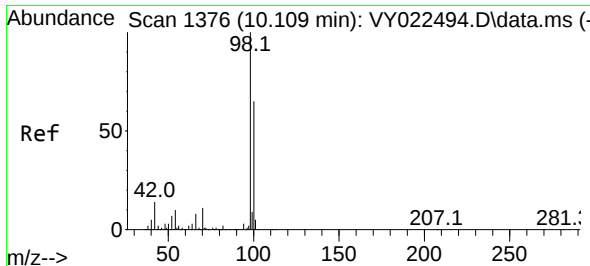
Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

192 17.6 14.2 21.2

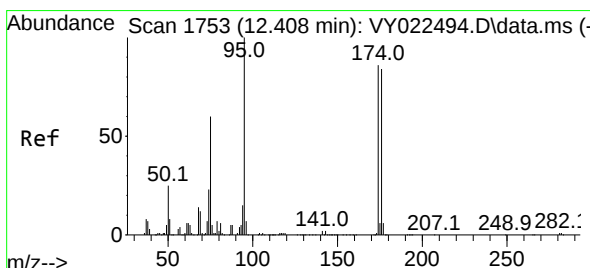
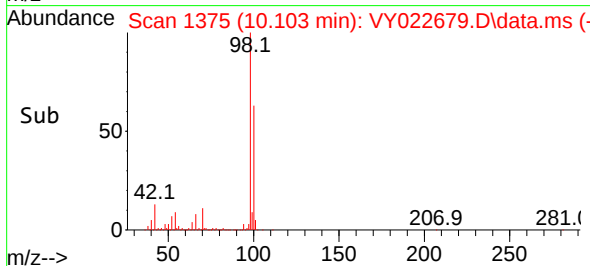
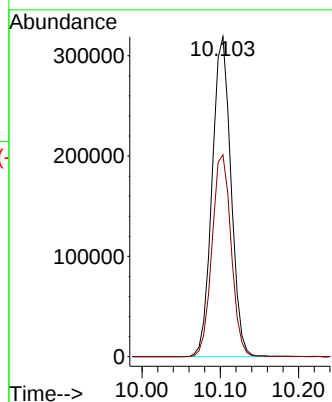
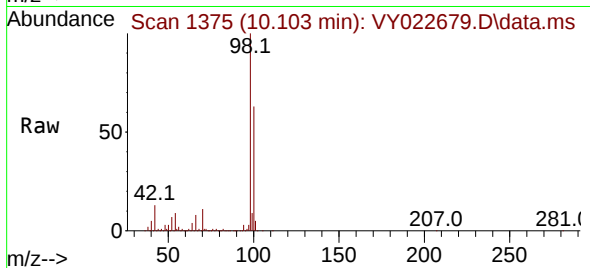




#50
Toluene-d8
Concen: 50.245 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

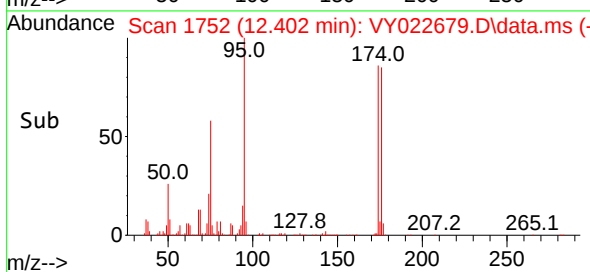
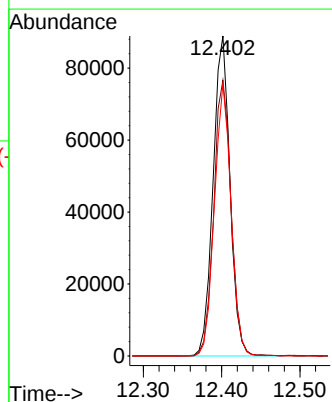
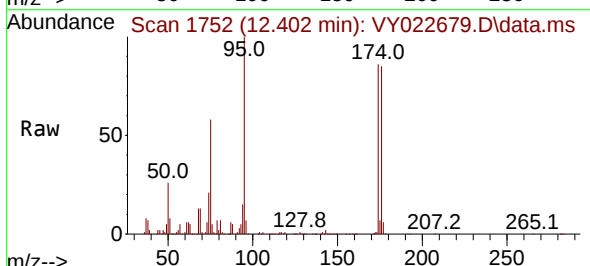
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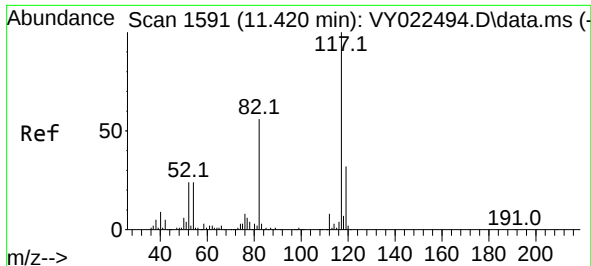
Tgt Ion: 98 Resp: 533362
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.116 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion: 95 Resp: 133206
Ion Ratio Lower Upper
95 100
174 88.1 0.0 170.0
176 83.7 0.0 166.2

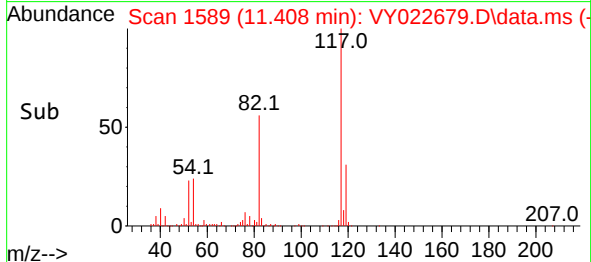
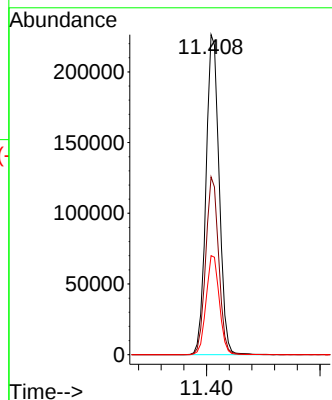
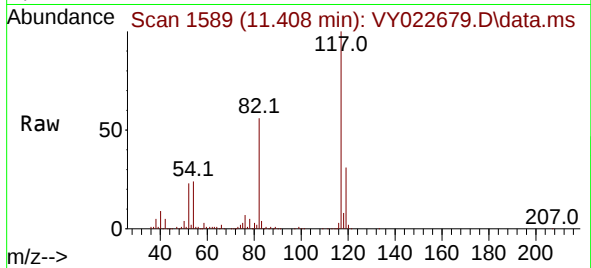




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 363653
Ion Ratio Lower Upper
117 100
82 55.5 44.6 66.8
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022679.D
Acq: 12 Jun 2025 17:19

Tgt Ion:152 Resp: 136251
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 156.6 0.0 349.6

