

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022674.D
 Acq On : 12 Jun 2025 15:20
 Operator : SY/MD
 Sample : Q2296-19
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

Quant Time: Jun 13 05:41:59 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	7.707	168	179465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	325580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	271663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	100308	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100920	50.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.560%
35) Dibromofluoromethane	7.628	113	100345	51.636	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.280%
50) Toluene-d8	10.103	98	393161	50.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.140%
62) 4-Bromofluorobenzene	12.402	95	100467	42.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.880%

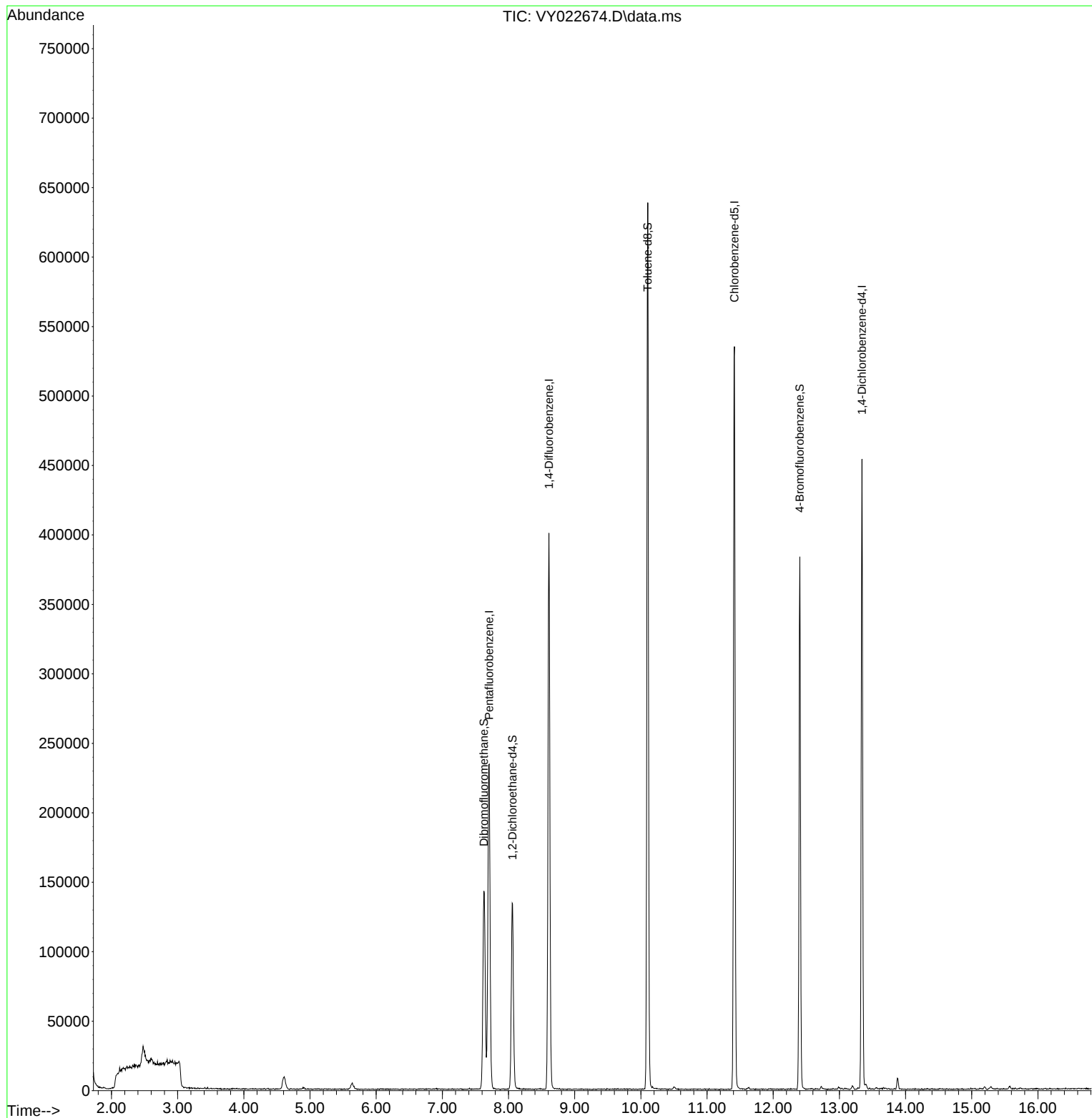
Target Compounds	Qvalue

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

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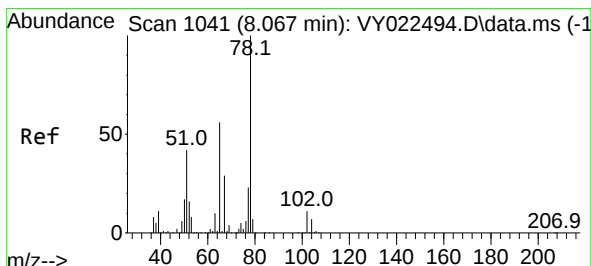
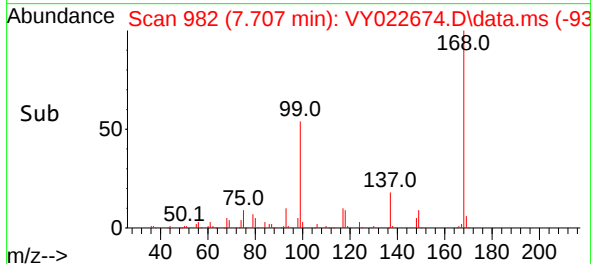
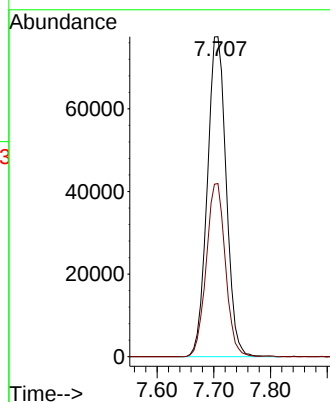
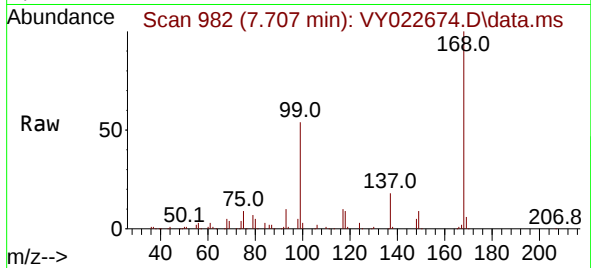




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

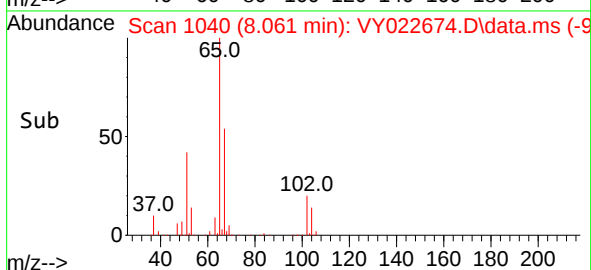
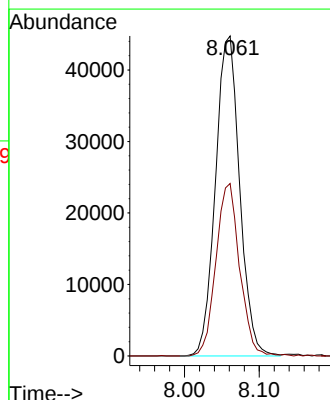
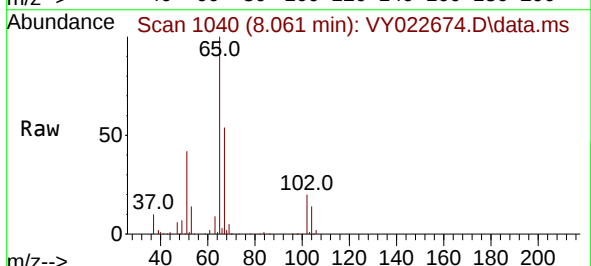
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

Tgt Ion:168 Resp: 179465
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.279 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion: 65 Resp: 100920
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: VY022674.D

Acq: 12 Jun 2025 15:20

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

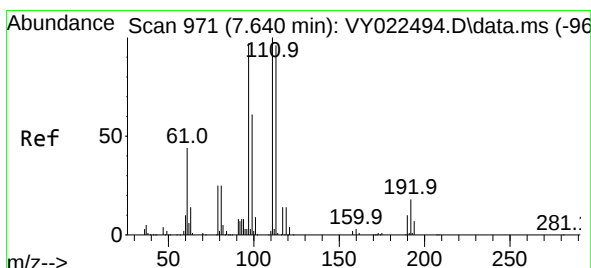
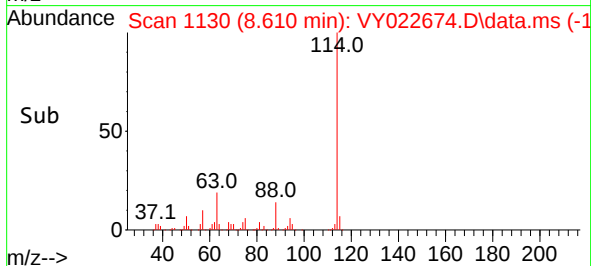
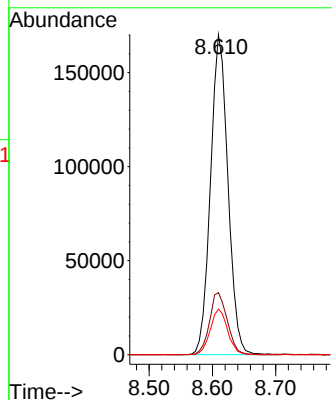
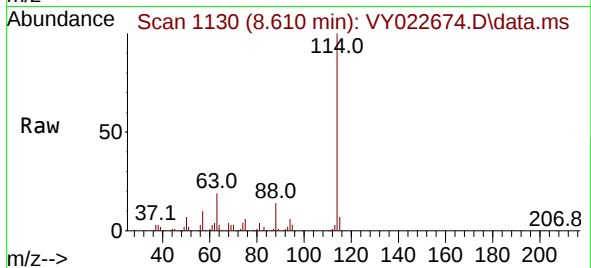
Tgt Ion:114 Resp: 325580

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 14.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.636 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022674.D

Acq: 12 Jun 2025 15:20

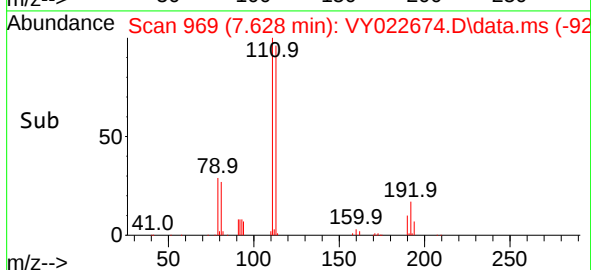
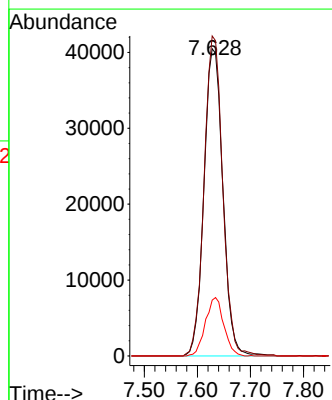
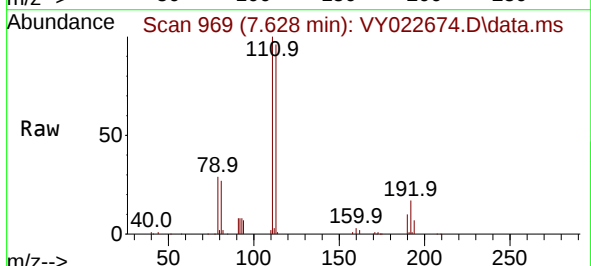
Tgt Ion:113 Resp: 100345

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

192 18.4 14.2 21.2

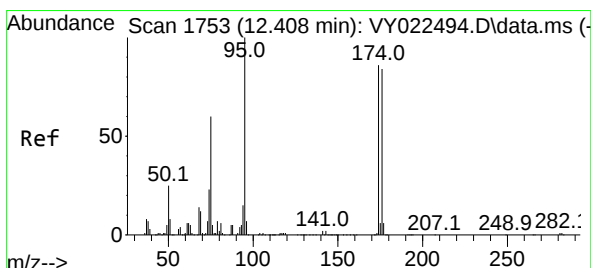
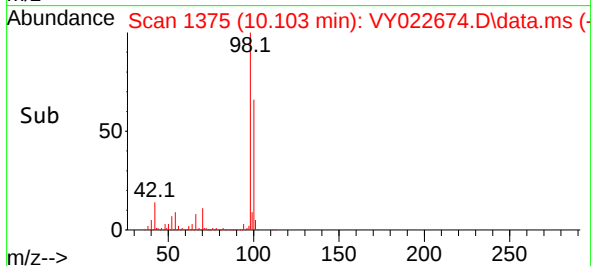
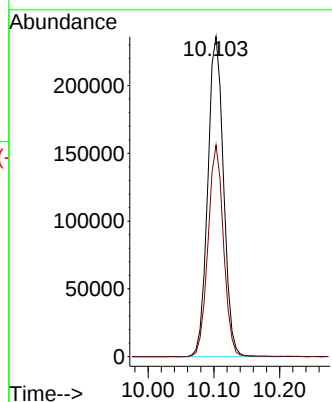
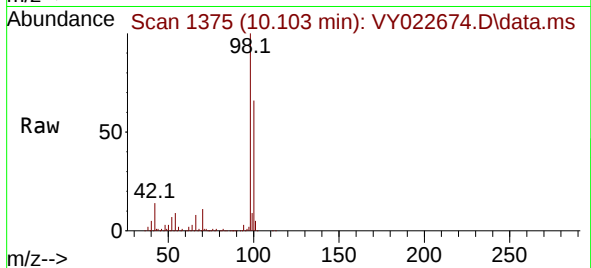




#50
Toluene-d8
Concen: 50.070 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

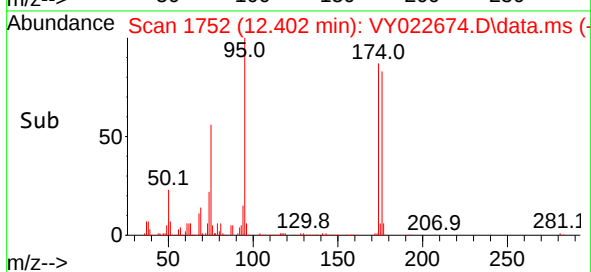
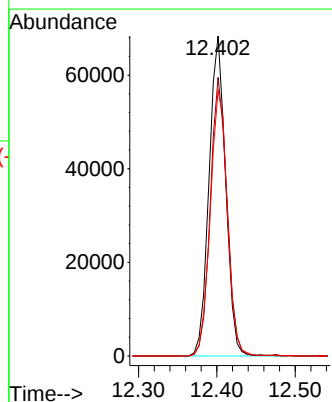
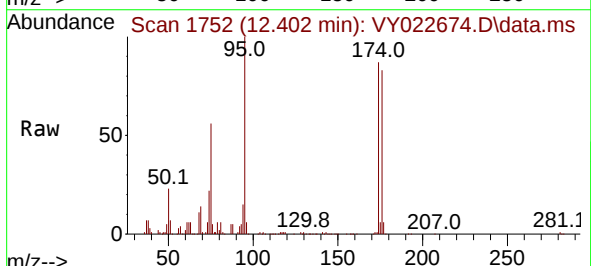
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WC-5-VOC

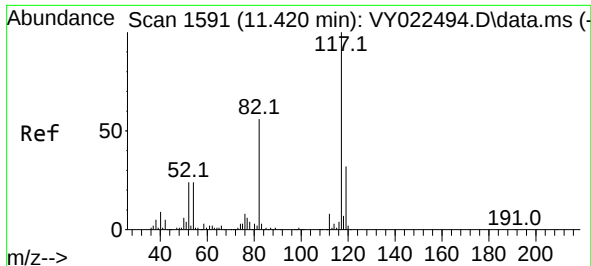
Tgt Ion: 98 Resp: 393161
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.942 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion: 95 Resp: 100467
Ion Ratio Lower Upper
95 100
174 87.3 0.0 170.0
176 85.6 0.0 166.2

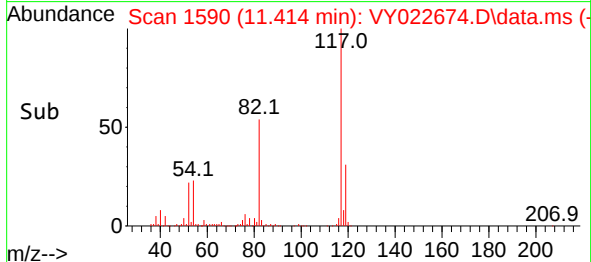
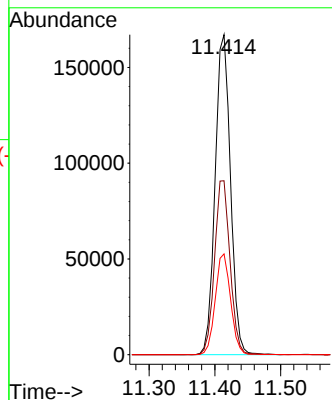
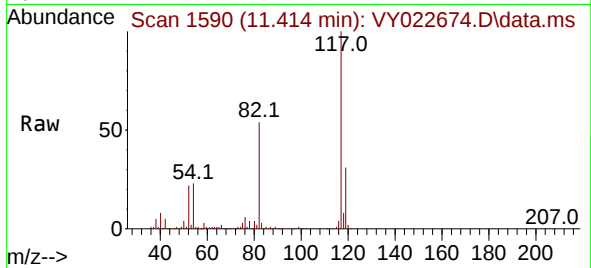




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022674.D
Acq: 12 Jun 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

Tgt Ion:117 Resp: 271663
Ion Ratio Lower Upper
117 100
82 54.4 44.6 66.8
119 31.5 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: VY022674.D
Acq: 12 Jun 2025 15:20

Tgt Ion:152 Resp: 100308
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 160.1 0.0 349.6

