

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022751.D
 Acq On : 19 Jun 2025 13:25
 Operator : SY/MD
 Sample : Q2362-07
 Misc : 3.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-6-VOC

Quant Time: Jun 20 02:58:43 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	90441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	169103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	141679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	51236	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54809	54.184	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.360%
35) Dibromofluoromethane	7.634	113	54128	53.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.260%
50) Toluene-d8	10.103	98	207848	50.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.920%
62) 4-Bromofluorobenzene	12.402	95	52710	43.377	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.760%

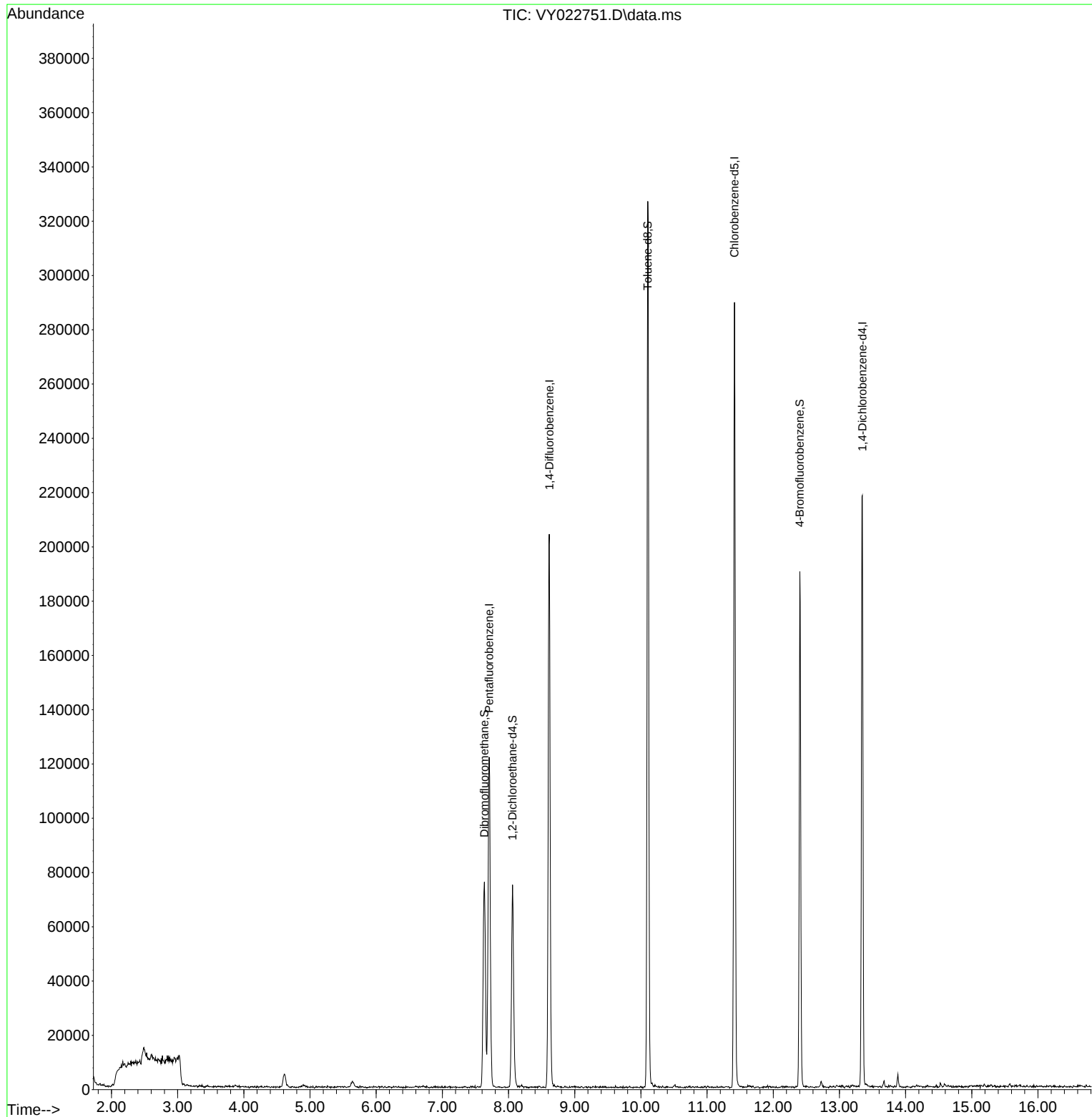
Target Compounds	Qvalue

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

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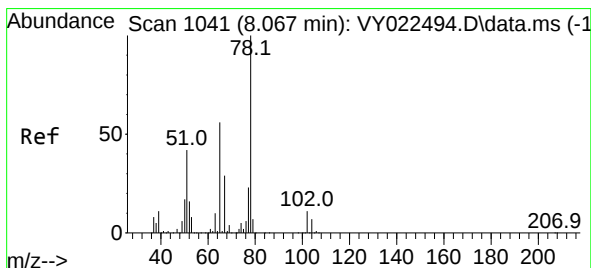
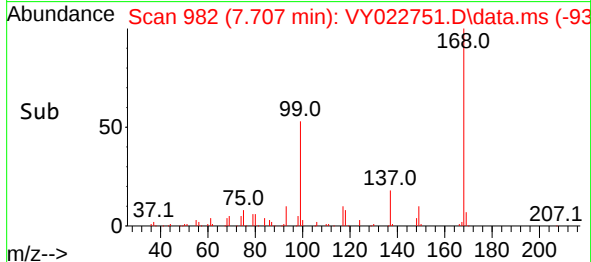
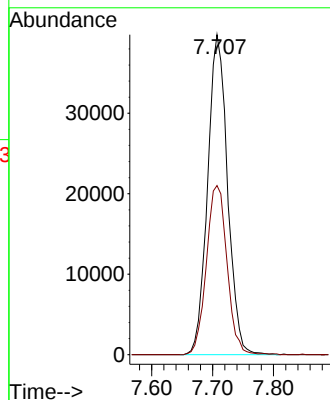
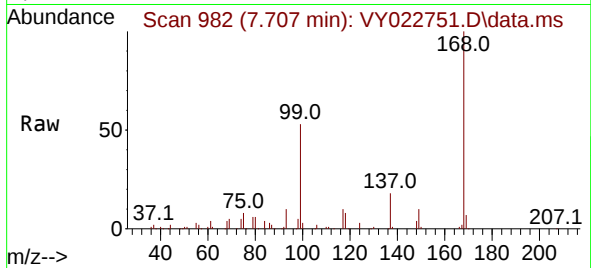




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

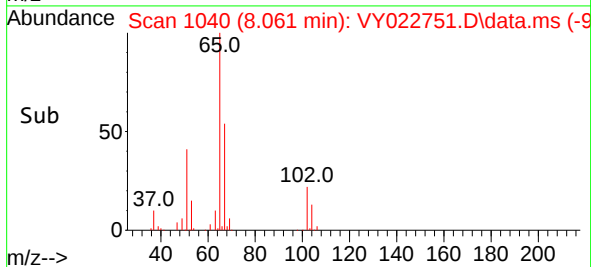
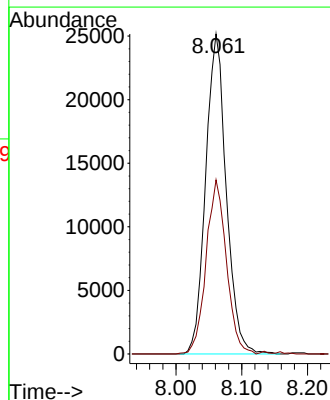
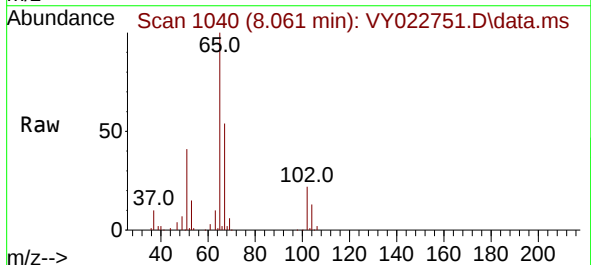
Instrument :
MSVOA_Y
ClientSampleId :
EP-6-VOC

Tgt Ion:168 Resp: 90441
Ion Ratio Lower Upper
168 100
99 52.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.184 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion: 65 Resp: 54809
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022751.D

Acq: 19 Jun 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

EP-6-VOC

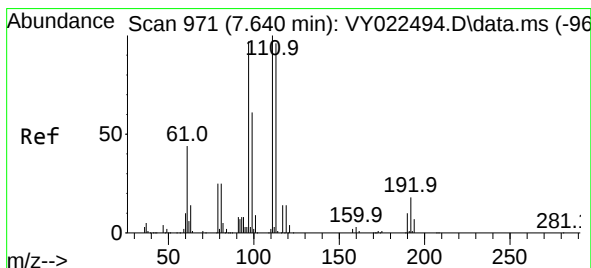
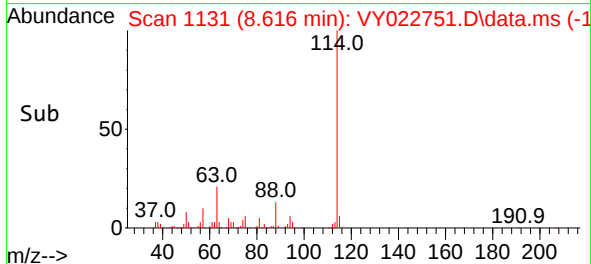
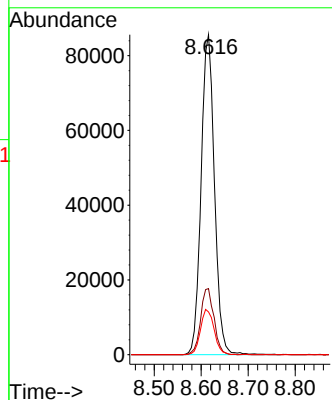
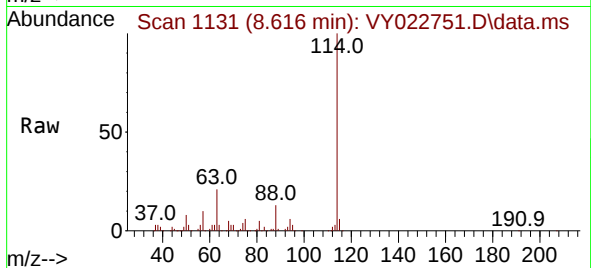
Tgt Ion:114 Resp: 169103

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 13.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.627 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022751.D

Acq: 19 Jun 2025 13:25

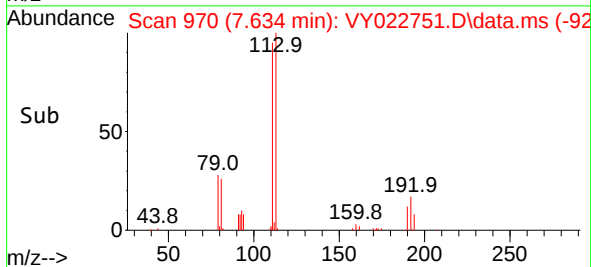
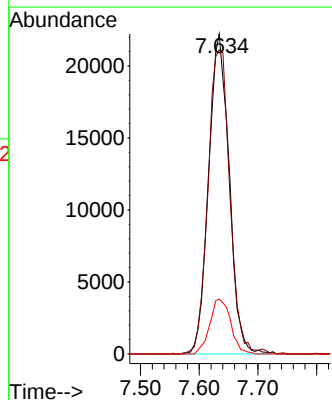
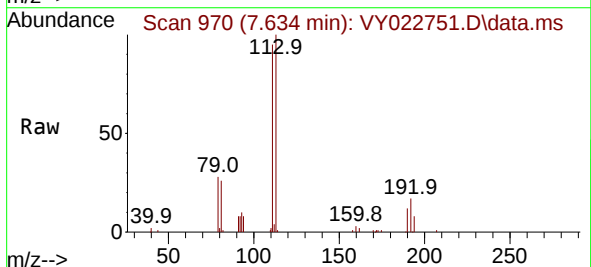
Tgt Ion:113 Resp: 54128

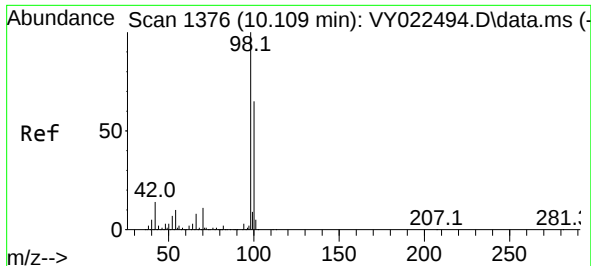
Ion Ratio Lower Upper

113 100

111 100.7 81.1 121.7

192 17.4 14.2 21.2

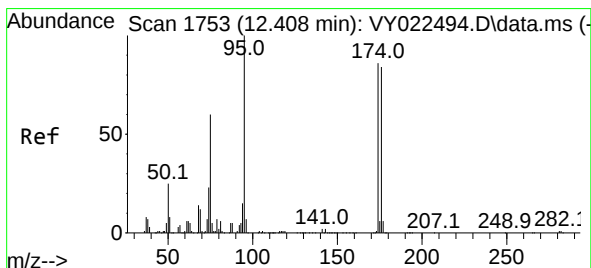
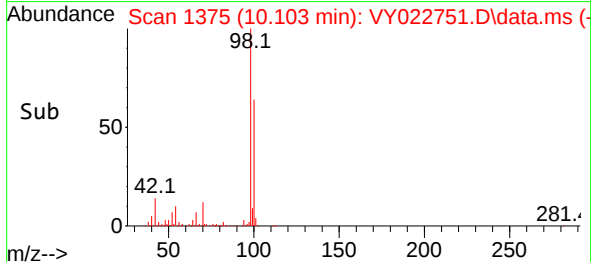
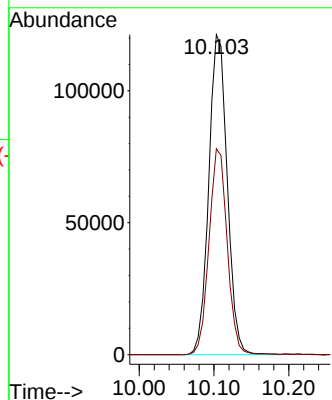
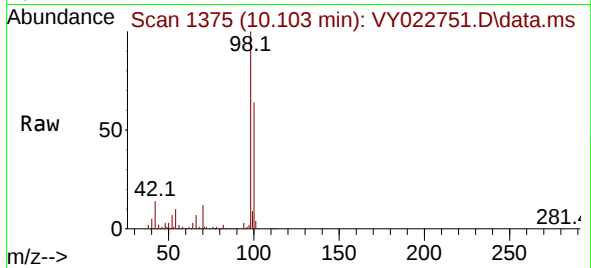




#50
Toluene-d8
Concen: 50.963 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

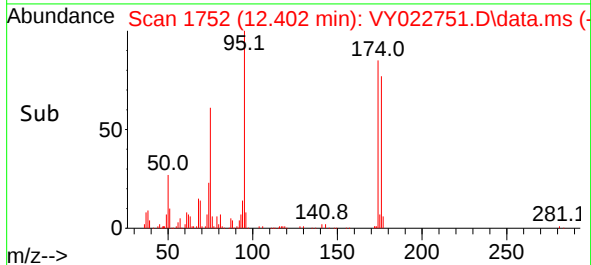
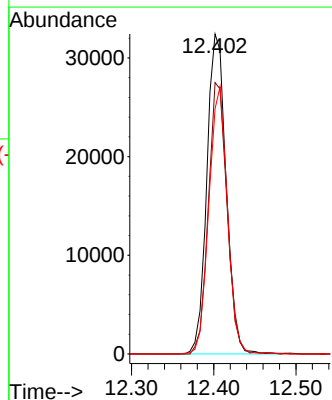
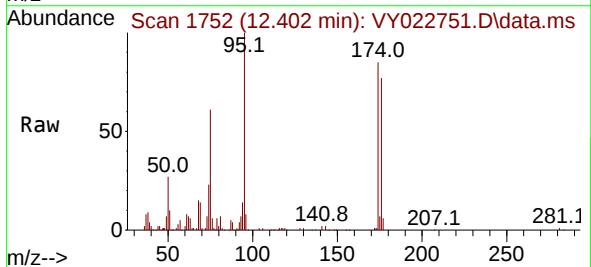
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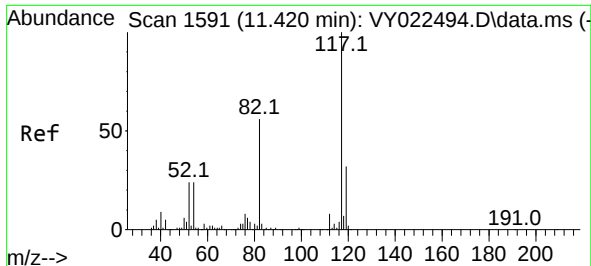
Tgt Ion: 98 Resp: 207848
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 43.377 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion: 95 Resp: 52710
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 80.0 0.0 166.2

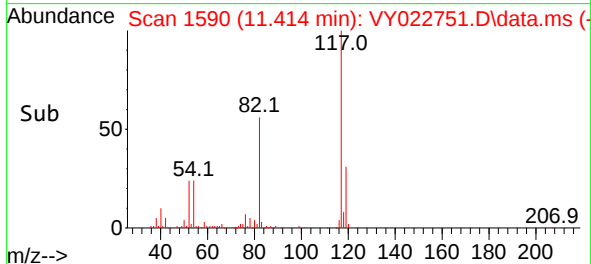
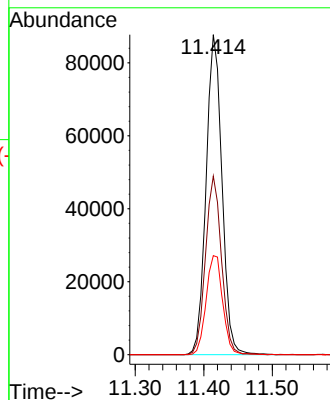
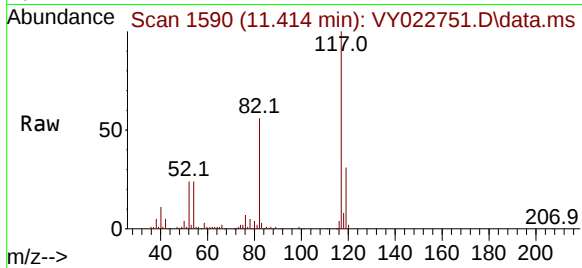




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
EP-6-VOC

Tgt Ion:117 Resp: 141679
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022751.D
Acq: 19 Jun 2025 13:25

Tgt Ion:152 Resp: 51236
Ion Ratio Lower Upper
152 100
115 58.7 28.9 86.7
150 160.1 0.0 349.6

