

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022574.D
 Acq On : 05 Jun 2025 15:07
 Operator : SY/MD
 Sample : Q2208-20
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-08

Quant Time: Jun 06 01:25:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	427514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	799204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	670514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	253625	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	261458	54.681	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.360%
35) Dibromofluoromethane	7.628	113	243662	51.079	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.160%
50) Toluene-d8	10.103	98	988487	51.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.560%
62) 4-Bromofluorobenzene	12.402	95	253594	44.157	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.320%

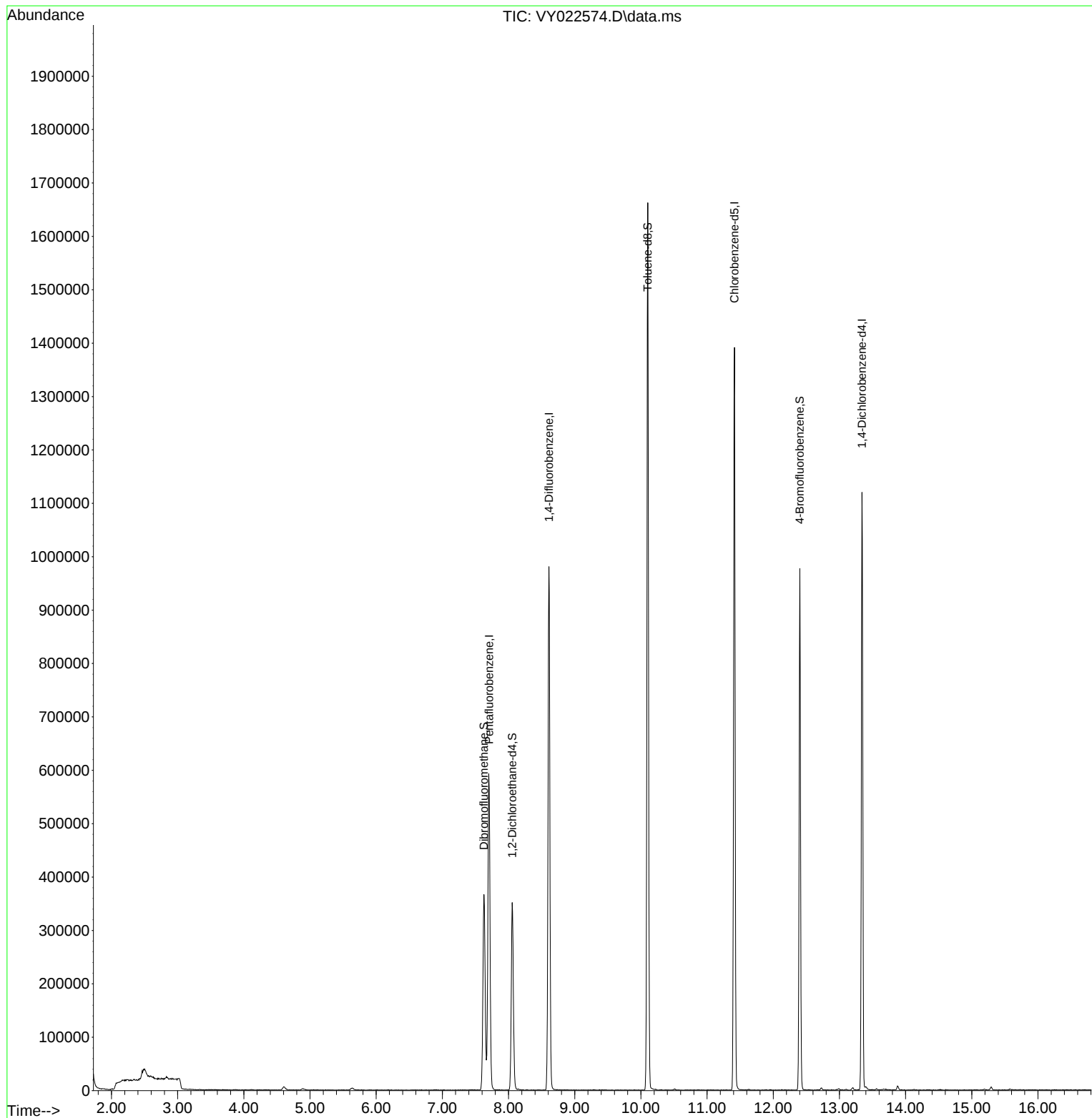
Target Compounds	Qvalue

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

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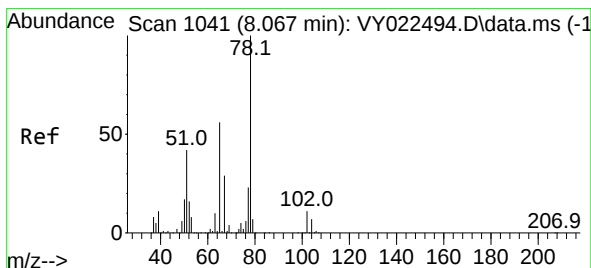
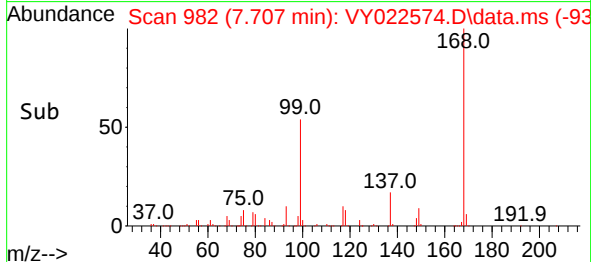
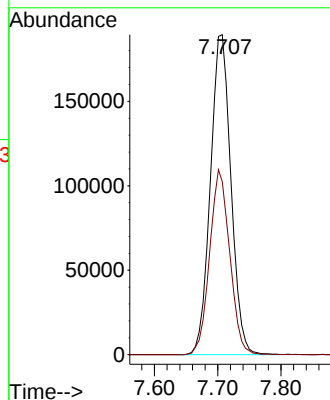
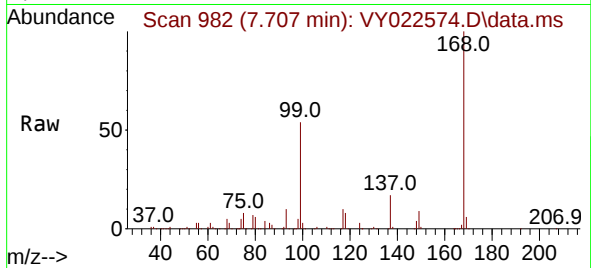




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

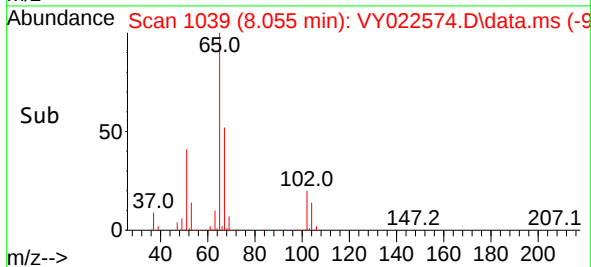
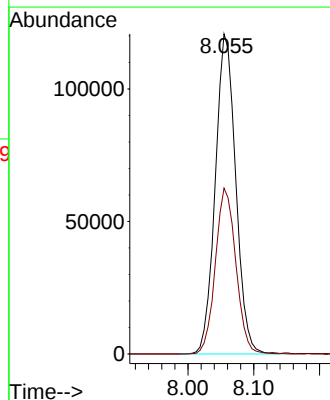
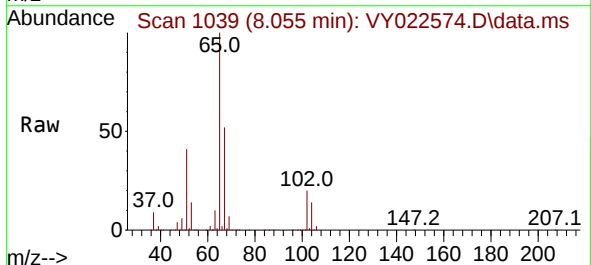
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-08

Tgt Ion:168 Resp: 427514
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.681 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Tgt Ion: 65 Resp: 261458
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4

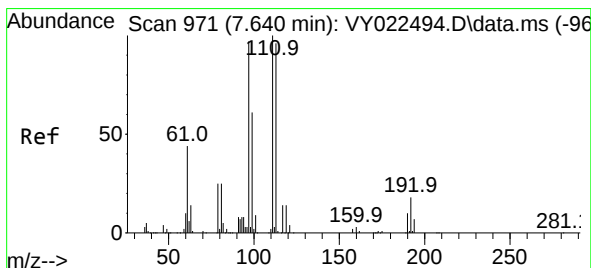
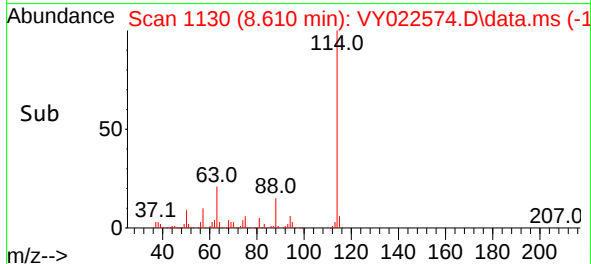
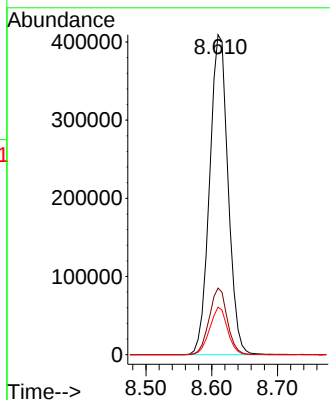
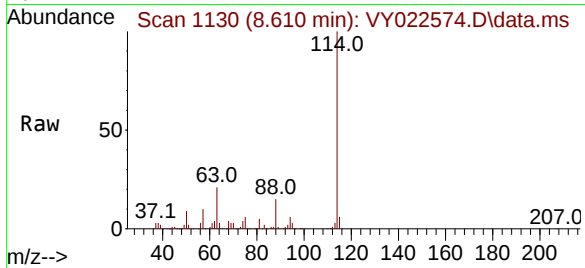




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY022574.D
 Acq: 05 Jun 2025 15:07

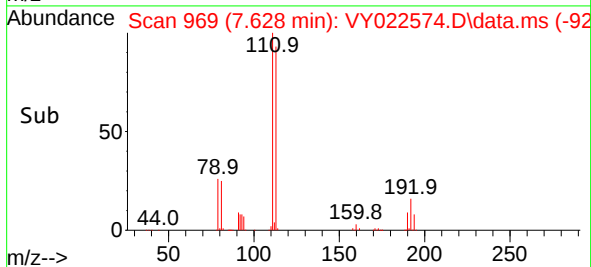
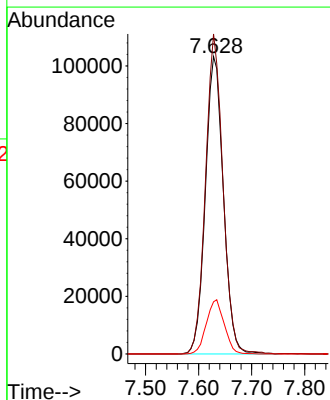
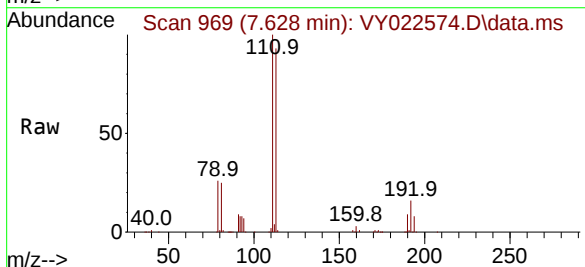
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-08

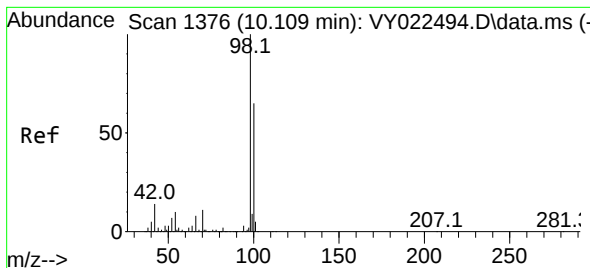
Tgt Ion:114 Resp: 799204
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 14.9 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 51.079 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.012 min
 Lab File: VY022574.D
 Acq: 05 Jun 2025 15:07

Tgt Ion:113 Resp: 243662
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.1 121.7
 192 18.1 14.2 21.2





#50

Toluene-d8

Concen: 51.283 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022574.D

Acq: 05 Jun 2025 15:07

Instrument :

MSVOA_Y

ClientSampleId :

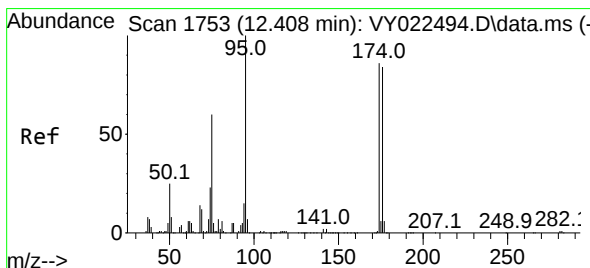
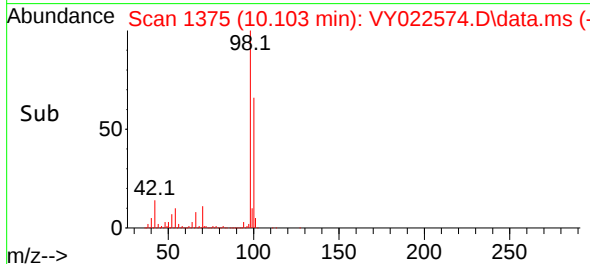
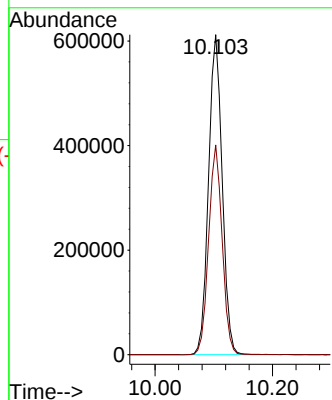
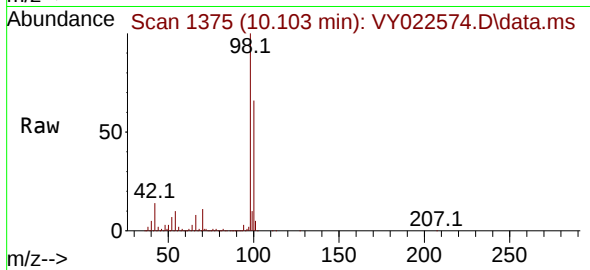
BU-703-VOC-08

Tgt Ion: 98 Resp: 988487

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 44.157 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022574.D

Acq: 05 Jun 2025 15:07

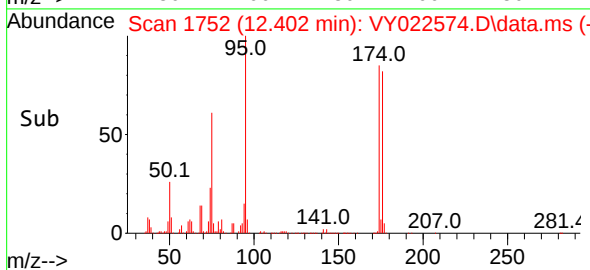
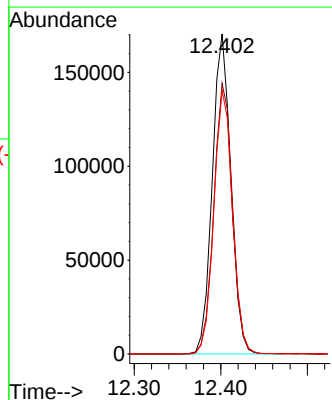
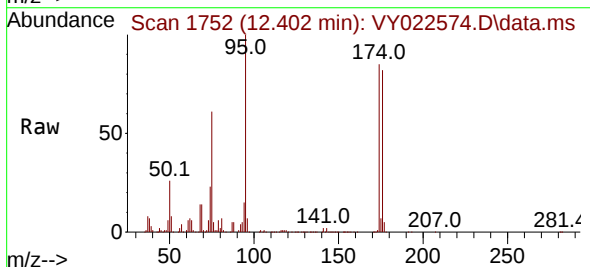
Tgt Ion: 95 Resp: 253594

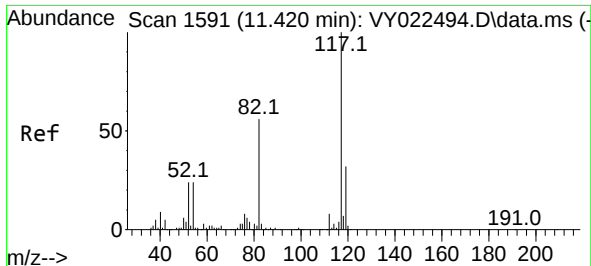
Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.0

176 82.4 0.0 166.2

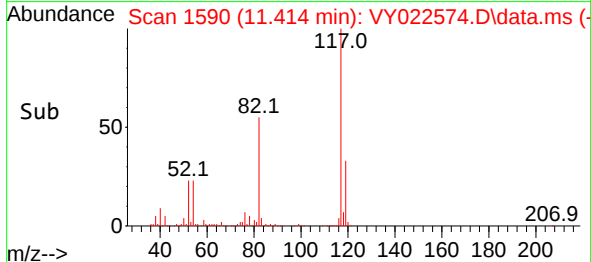
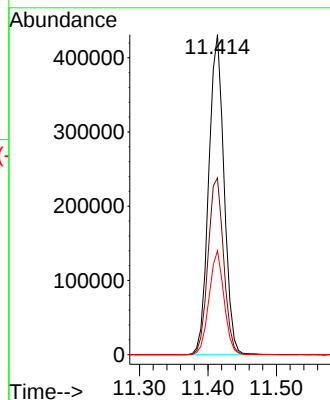
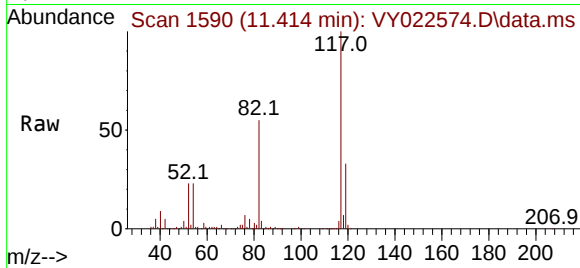




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY022574.D
Acq: 05 Jun 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.6	66.8
119	32.5	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: VY022574.D
Acq: 05 Jun 2025 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	158.6	0.0	349.6

