

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022408.D
 Acq On : 23 May 2025 15:26
 Operator : SY/MD
 Sample : VY0523SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBL01

Quant Time: May 23 23:20:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	328707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	590839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	465211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	167300	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	201654	56.133	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.260%
35) Dibromofluoromethane	7.640	113	200071	56.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.460%
50) Toluene-d8	10.109	98	790680	54.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.500%
62) 4-Bromofluorobenzene	12.407	95	201473	44.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.020%

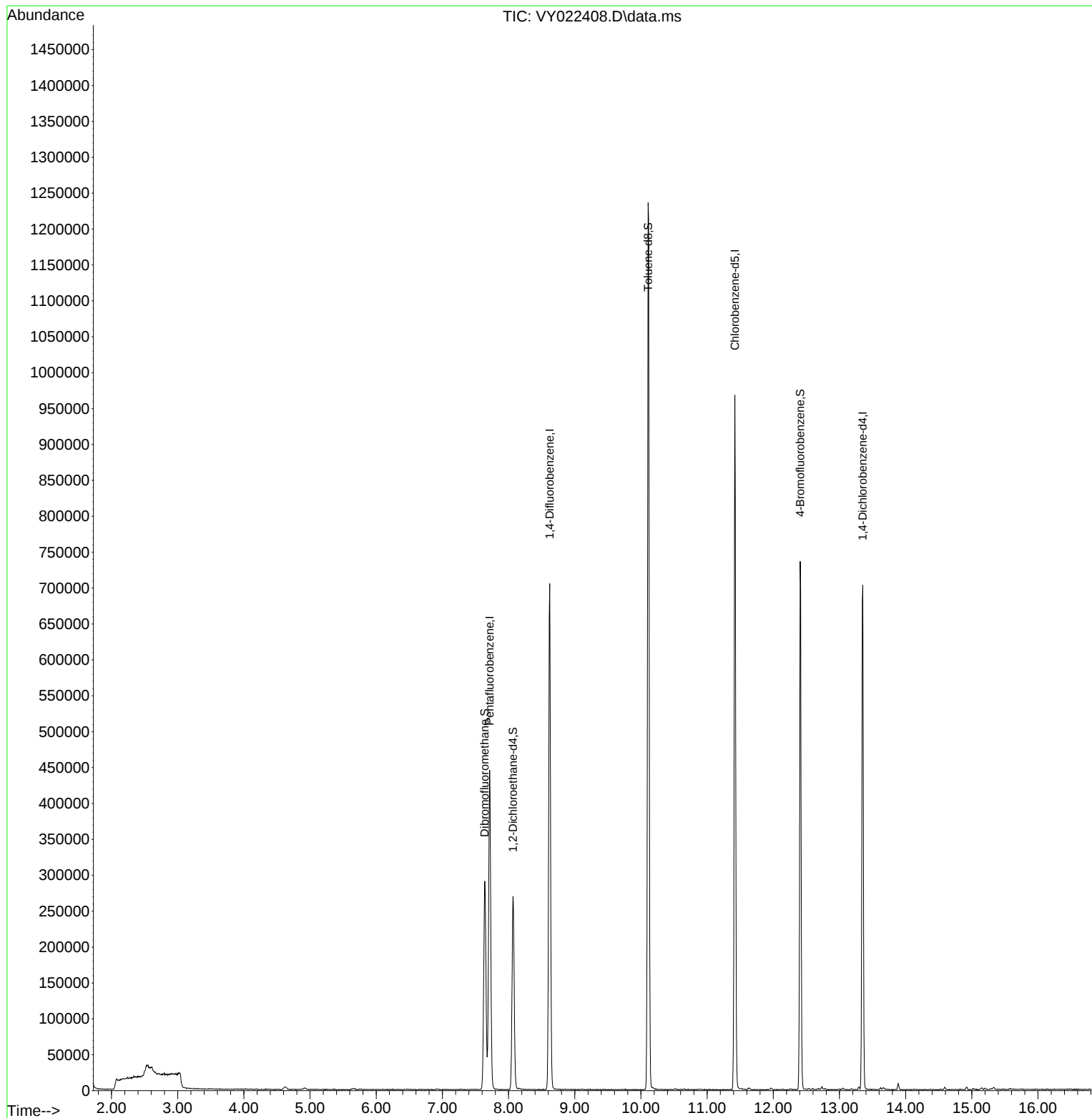
Target Compounds	Qvalue

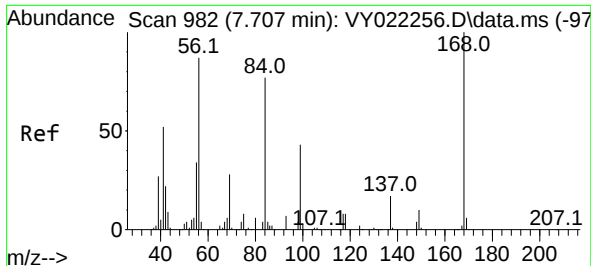
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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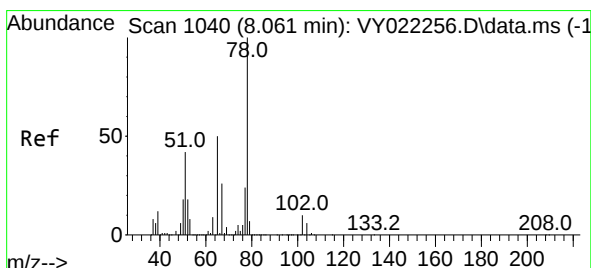
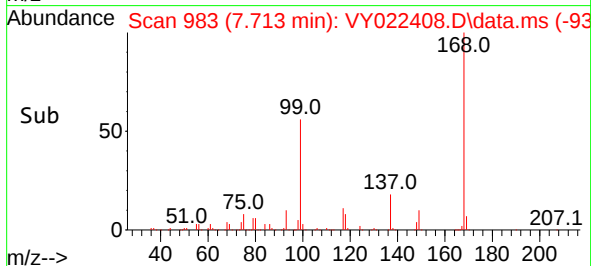
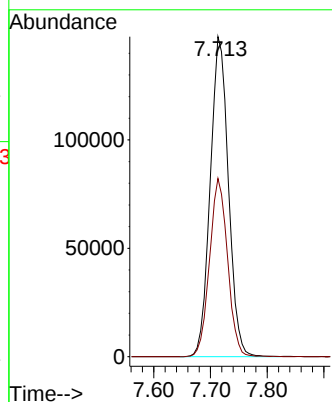
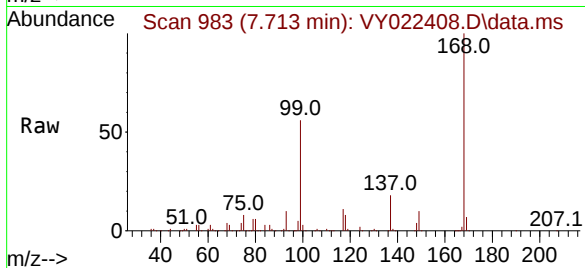




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

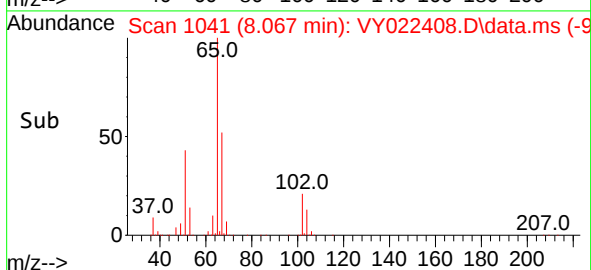
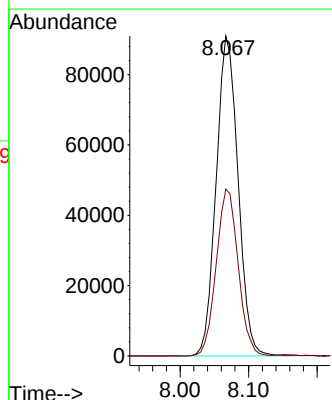
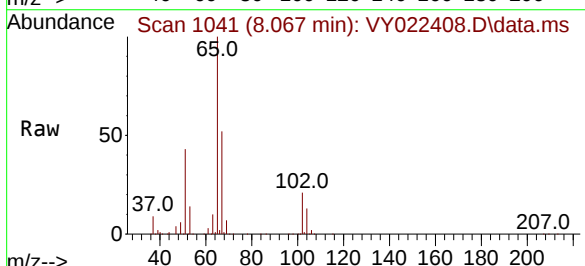
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

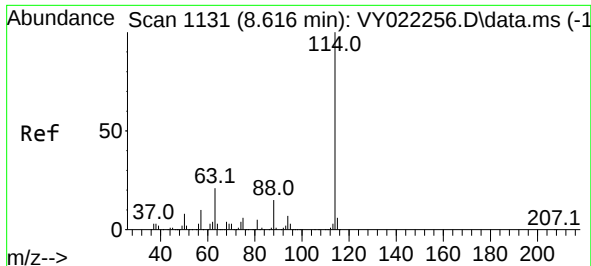
Tgt Ion:168 Resp: 328707
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 56.133 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

Tgt Ion: 65 Resp: 201654
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBL01

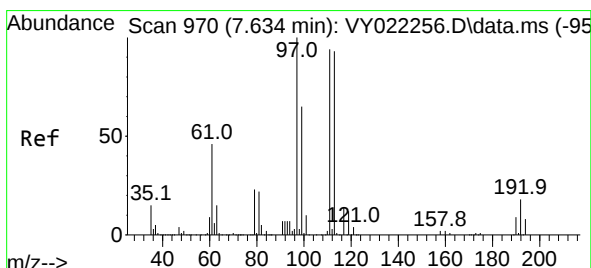
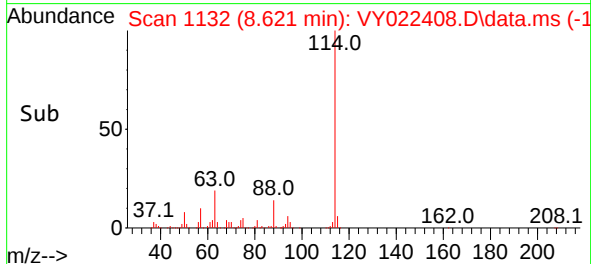
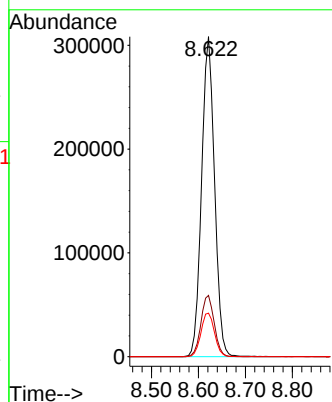
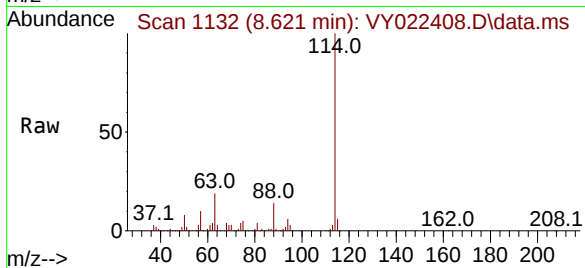
Tgt Ion:114 Resp: 590839

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.0

88 13.6 0.0 29.4



#35

Dibromofluoromethane

Concen: 56.734 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022408.D

Acq: 23 May 2025 15:26

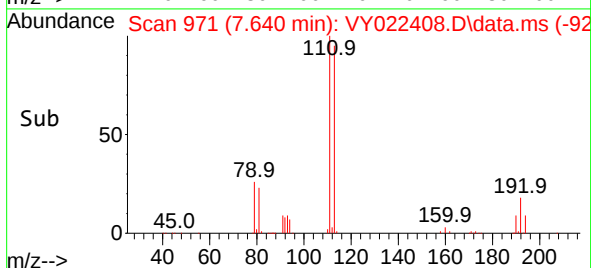
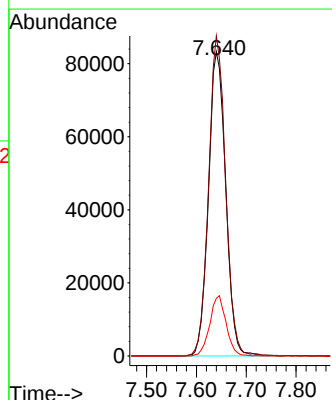
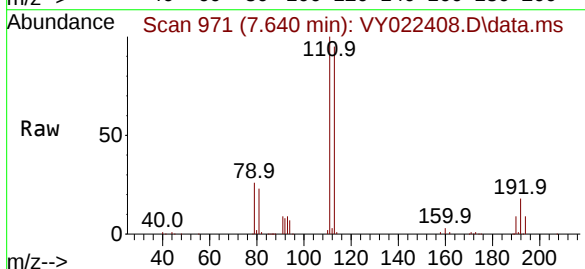
Tgt Ion:113 Resp: 200071

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.7 15.2 22.8

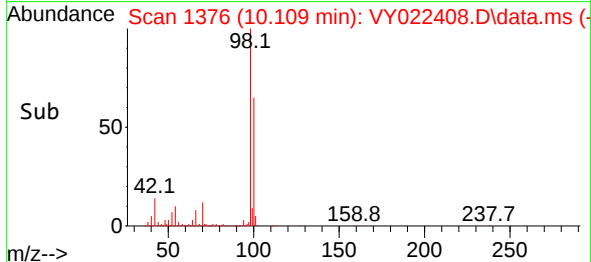
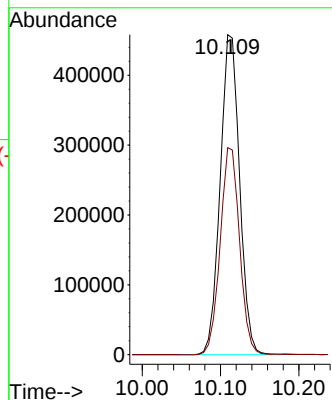
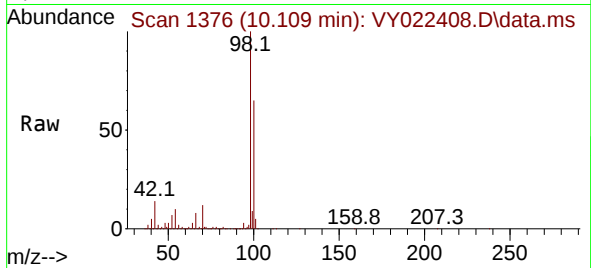




#50
Toluene-d8
Concen: 54.745 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

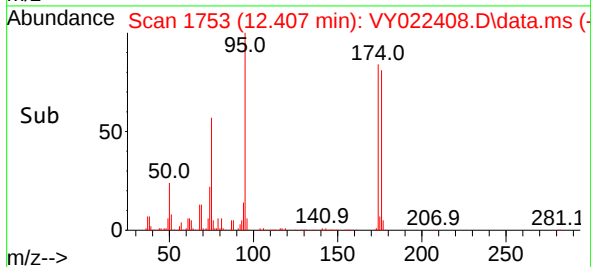
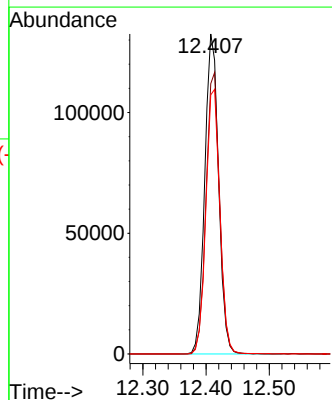
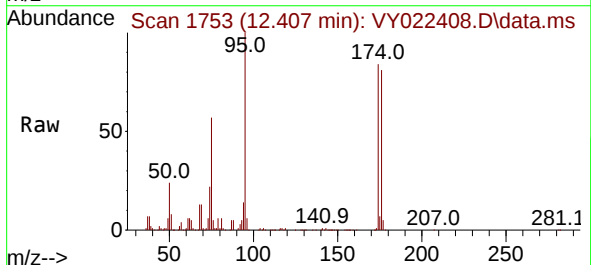
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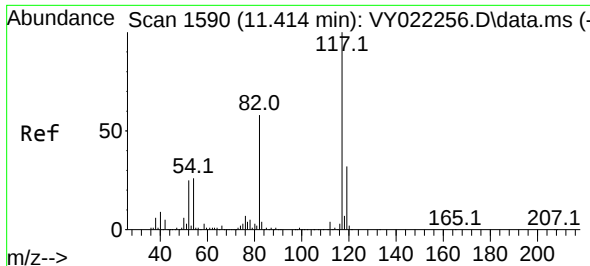
Tgt Ion: 98 Resp: 790680
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 44.010 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

Tgt Ion: 95 Resp: 201473
Ion Ratio Lower Upper
95 100
174 87.0 0.0 166.8
176 84.0 0.0 160.8

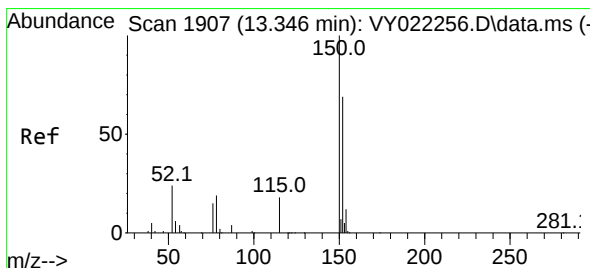
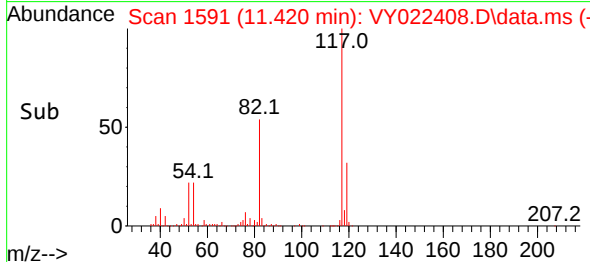
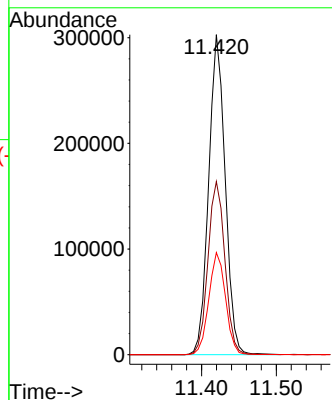
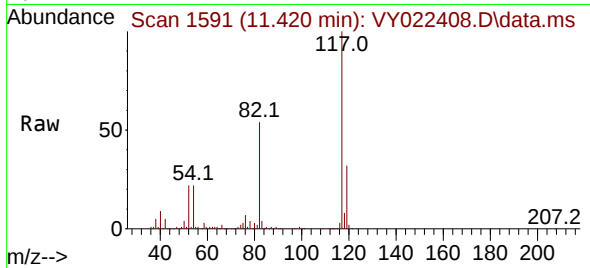




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBL01

Tgt Ion:117 Resp: 465211
Ion Ratio Lower Upper
117 100
82 54.1 46.6 70.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022408.D
Acq: 23 May 2025 15:26

Tgt Ion:152 Resp: 167300
Ion Ratio Lower Upper
152 100
115 58.0 29.4 88.2
150 158.2 0.0 353.8

