

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022304.D
 Acq On : 19 May 2025 09:00
 Operator : SY/MD
 Sample : VY0519SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBL01

Quant Time: May 20 01:08:12 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	7.707	168	331048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	571469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	438659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	158015	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148693	41.098	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.200%
35) Dibromofluoromethane	7.634	113	161852	47.452	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.900%
50) Toluene-d8	10.109	98	681316	48.772	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.408	95	166911	37.696	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.400%

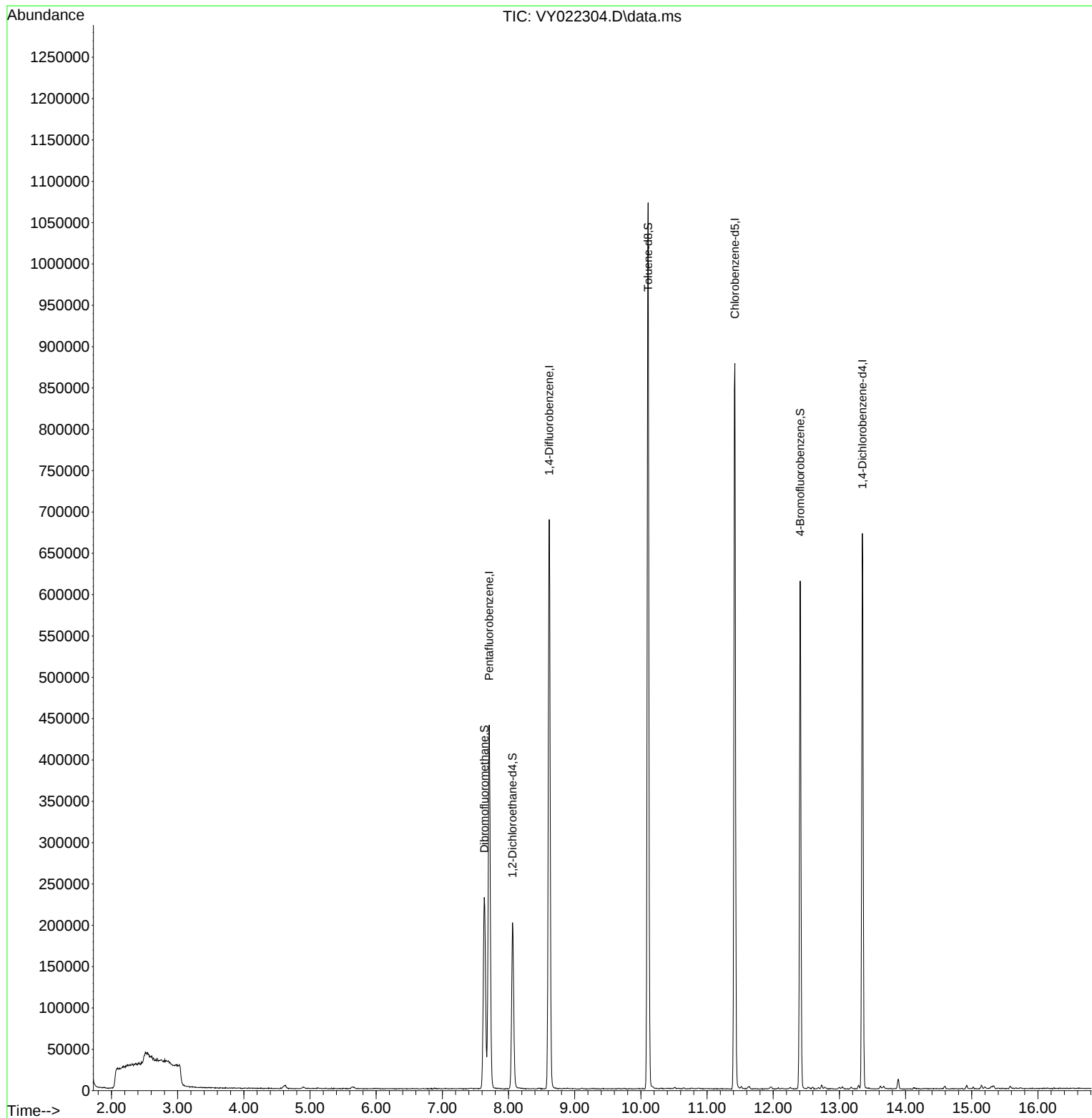
Target Compounds	Qvalue

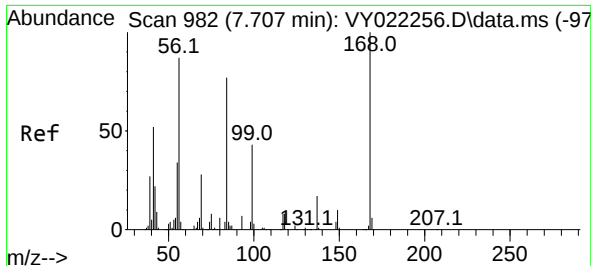
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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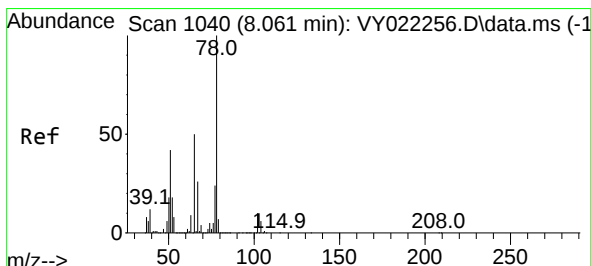
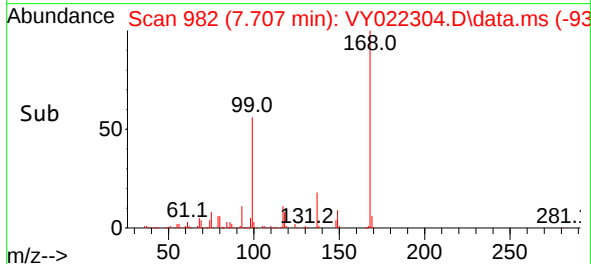
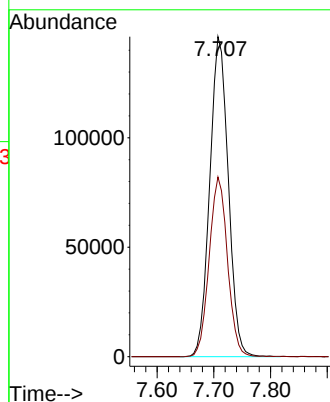
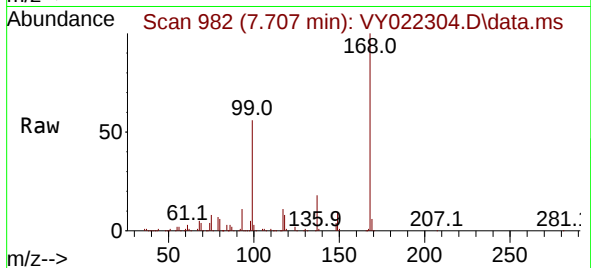




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

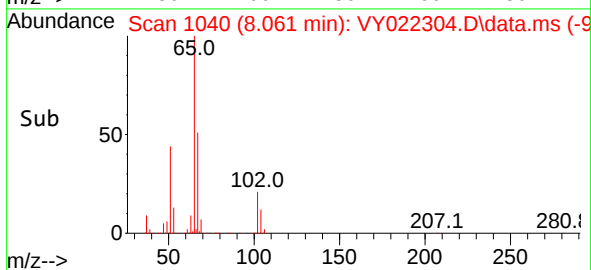
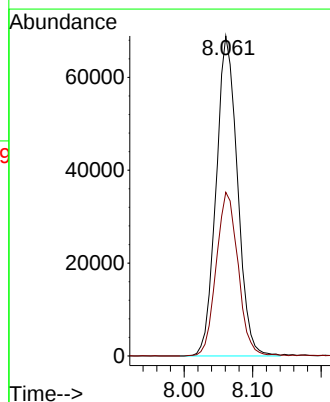
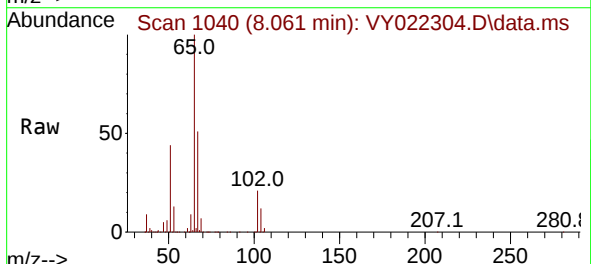
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Tgt Ion:168 Resp: 331048
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 41.098 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion: 65 Resp: 148693
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022304.D

Acq: 19 May 2025 09:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBL01

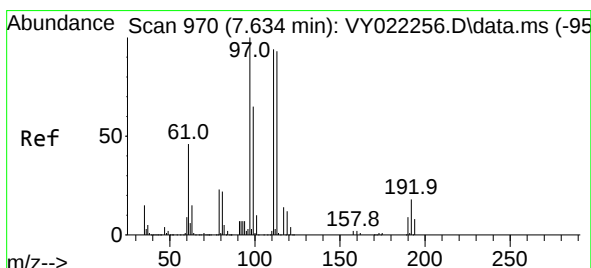
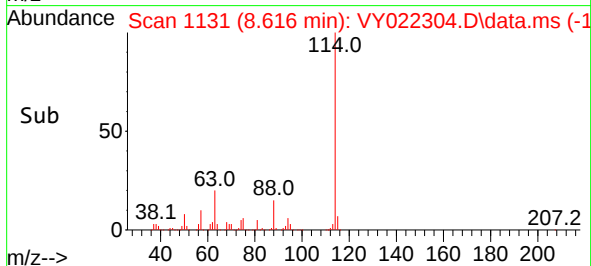
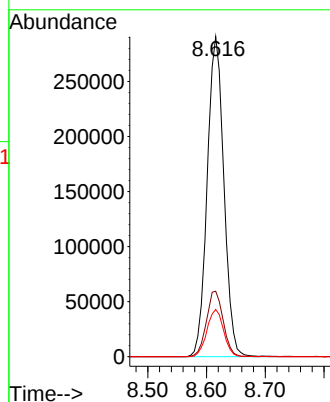
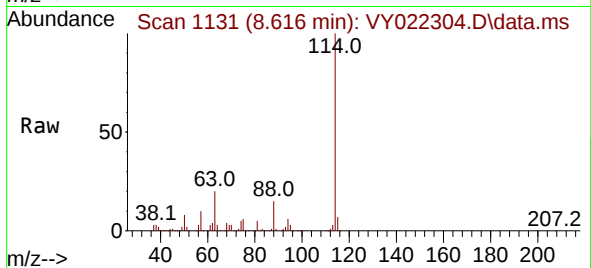
Tgt Ion:114 Resp: 571469

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 47.452 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022304.D

Acq: 19 May 2025 09:00

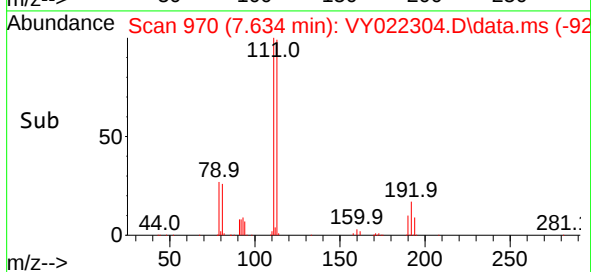
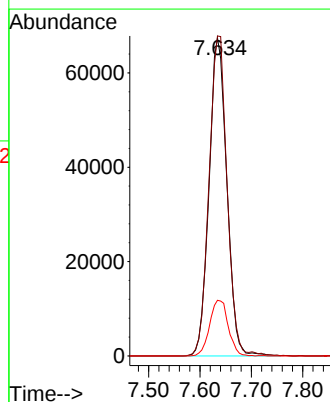
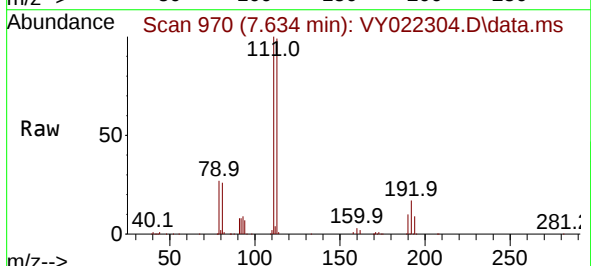
Tgt Ion:113 Resp: 161852

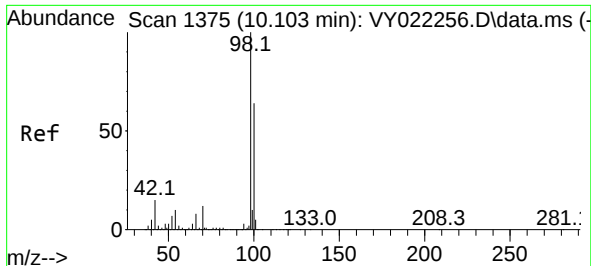
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.3 15.2 22.8

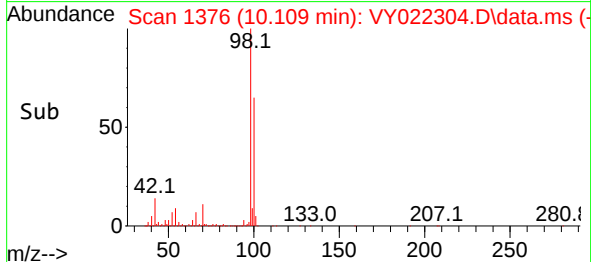
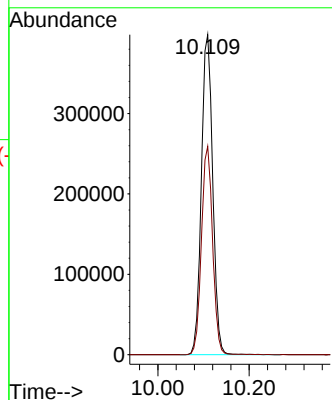
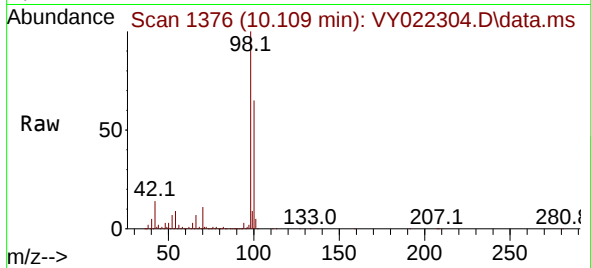




#50
Toluene-d8
Concen: 48.772 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

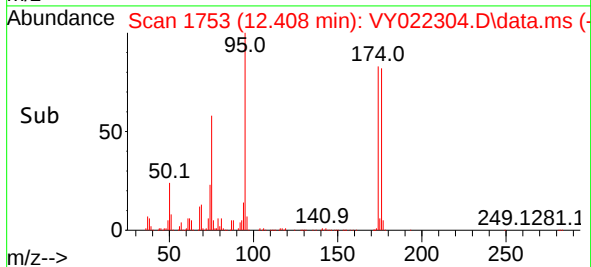
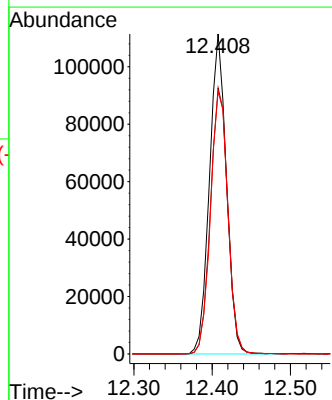
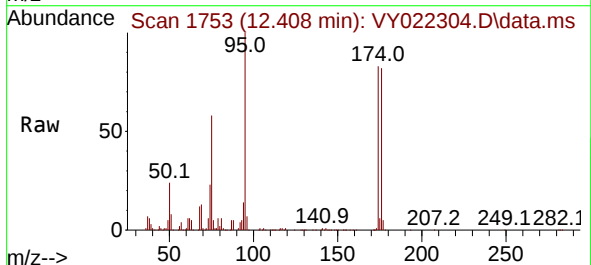
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VY0519SBL01

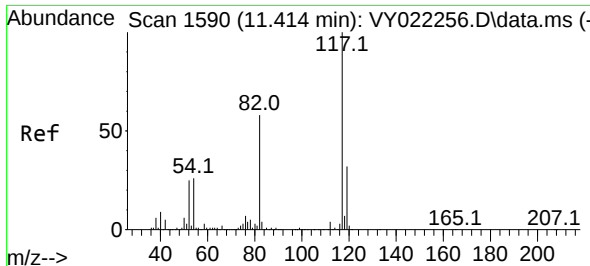
Tgt Ion: 98 Resp: 681316
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.696 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion: 95 Resp: 166911
Ion Ratio Lower Upper
95 100
174 85.5 0.0 166.8
176 84.4 0.0 160.8

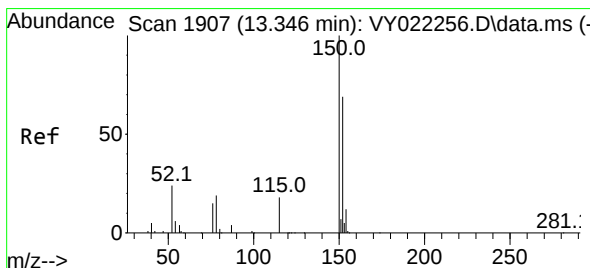
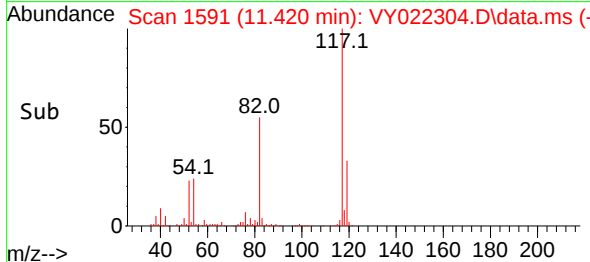
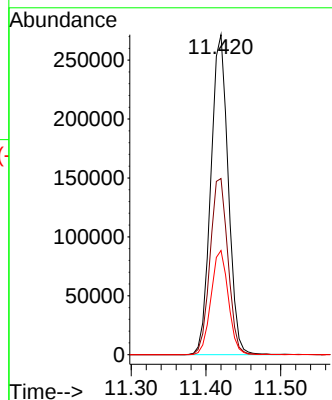
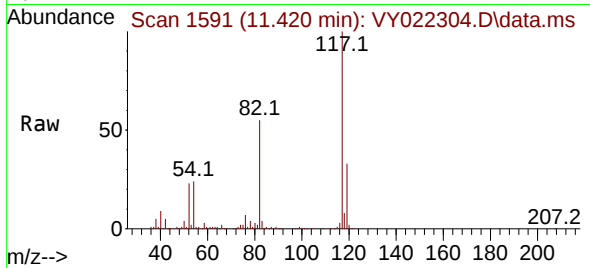




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Tgt Ion:117 Resp: 438659
Ion Ratio Lower Upper
117 100
82 55.1 46.6 70.0
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion:152 Resp: 158015
Ion Ratio Lower Upper
152 100
115 56.4 29.4 88.2
150 156.2 0.0 353.8

