

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031225\
 Data File : VY021511.D
 Acq On : 12 Mar 2025 15:57
 Operator : SY/MD
 Sample : Q1535-01
 Misc : 5.03g/5.5mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-03102025

Quant Time: Mar 13 01:38:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	90497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	142490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	111369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	35459	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	47381	49.536	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.634	113	49963	53.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.680%
50) Toluene-d8	10.109	98	166154	46.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.700%
62) 4-Bromofluorobenzene	12.407	95	38575	31.978	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.960%

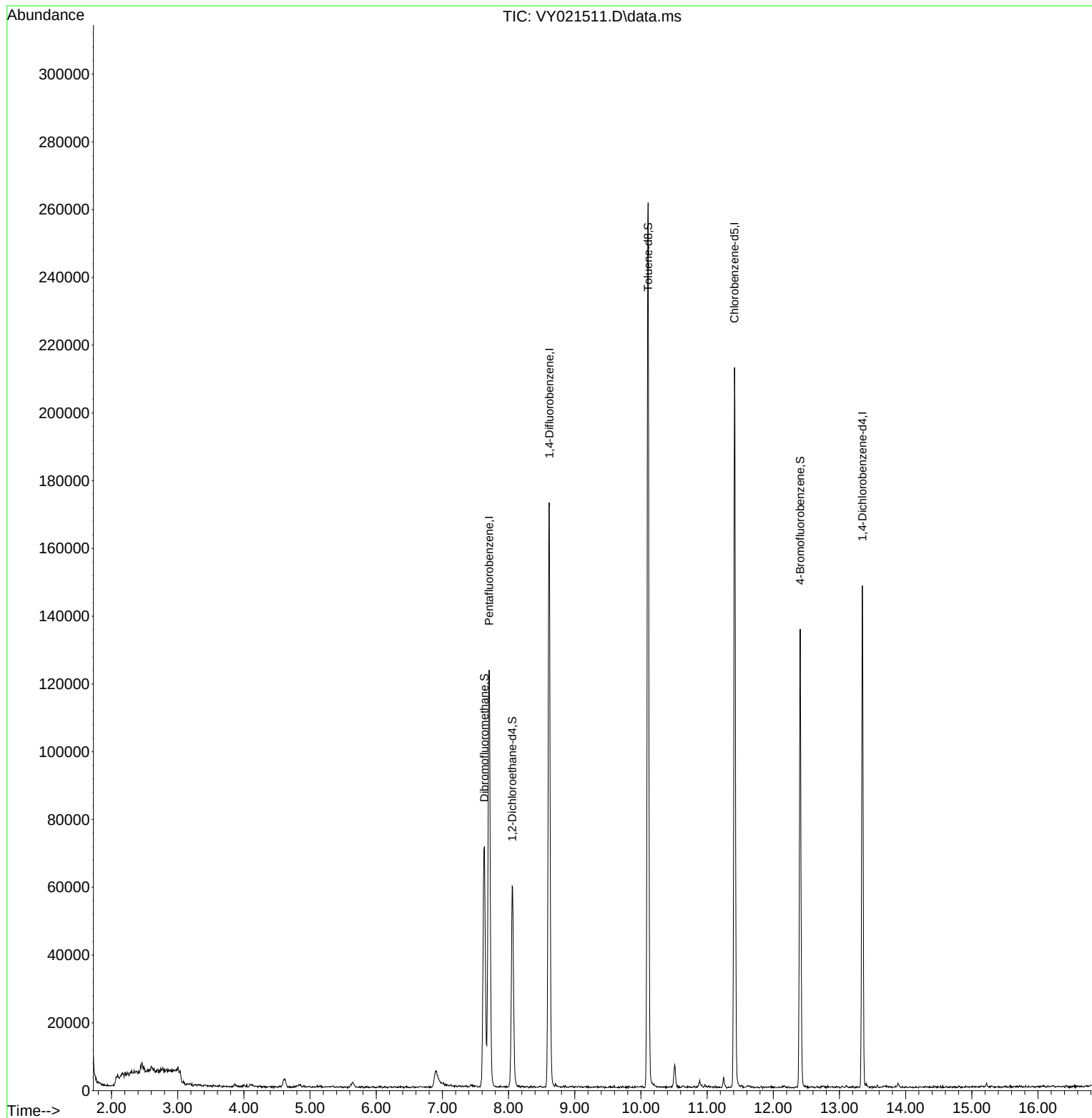
Target Compounds	Qvalue

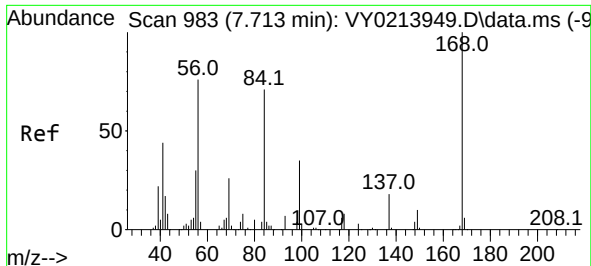
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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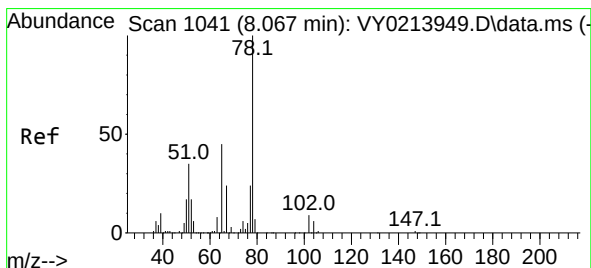
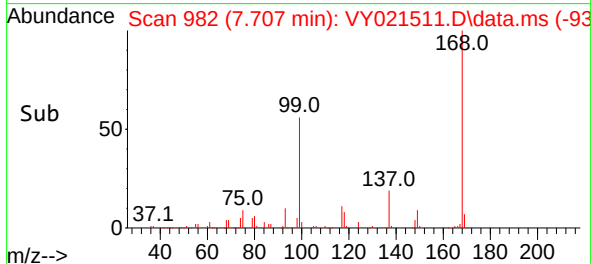
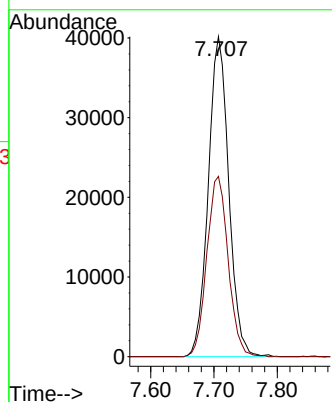
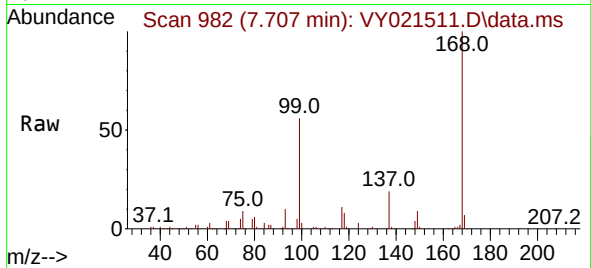




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

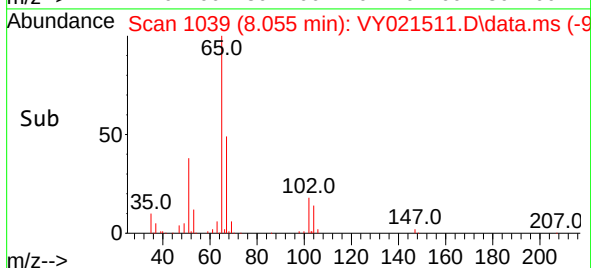
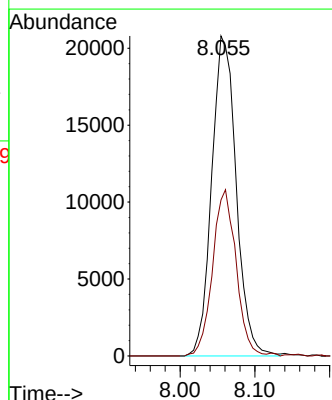
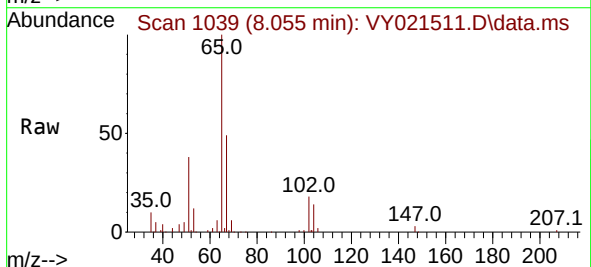
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-03102025

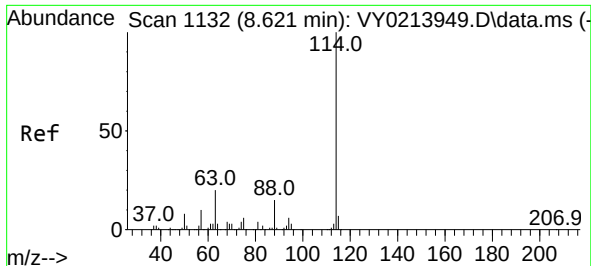
Tgt Ion:168 Resp: 90497
Ion Ratio Lower Upper
168 100
99 56.3 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 49.536 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion: 65 Resp: 47381
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021511.D

Acq: 12 Mar 2025 15:57

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-03102025

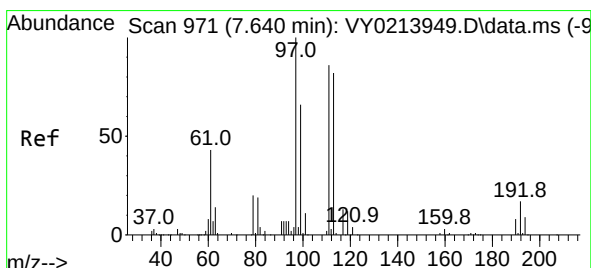
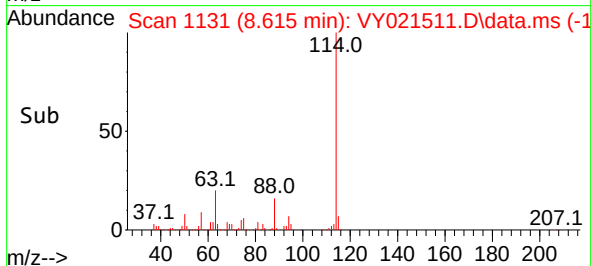
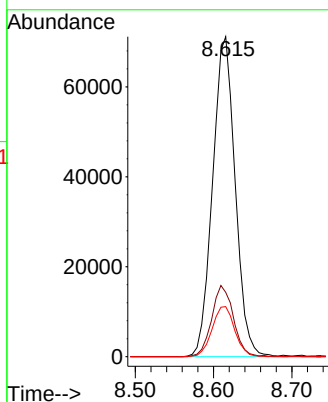
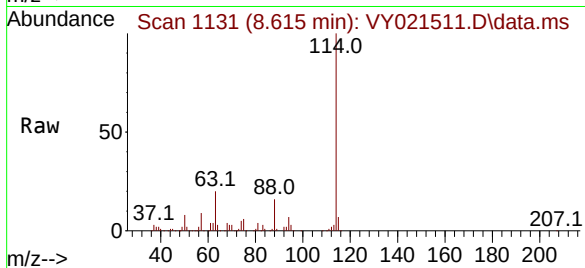
Tgt Ion:114 Resp: 142490

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.345 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021511.D

Acq: 12 Mar 2025 15:57

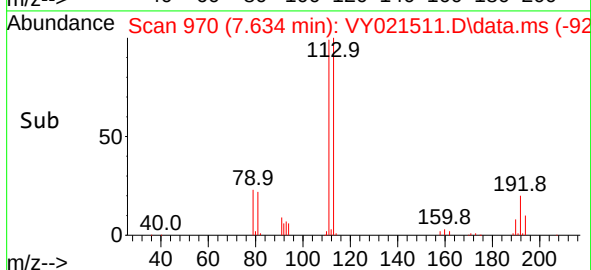
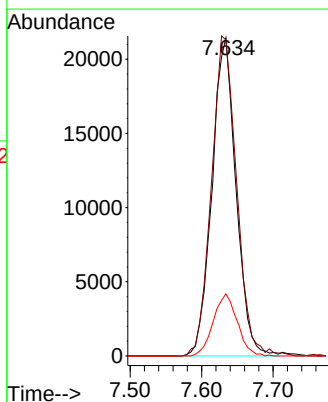
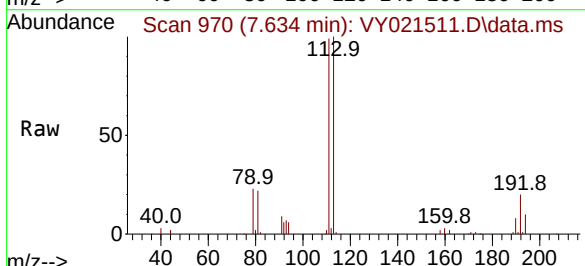
Tgt Ion:113 Resp: 49963

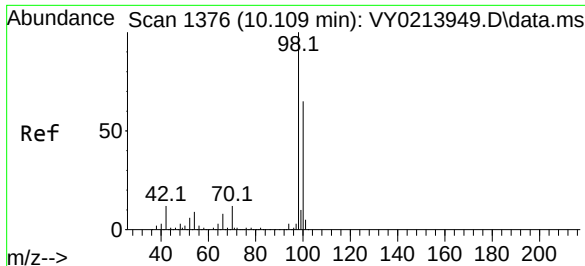
Ion Ratio Lower Upper

113 100

111 105.3 82.0 123.0

192 19.5 15.9 23.9

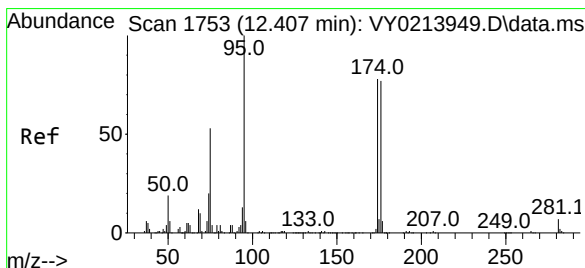
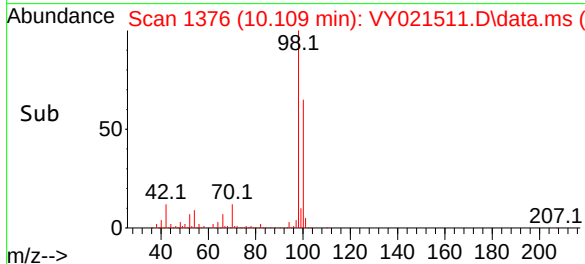
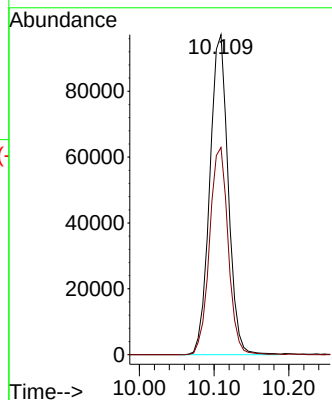
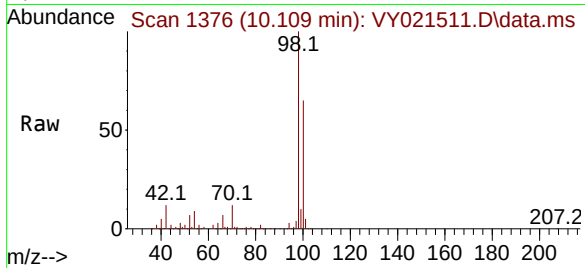




#50
Toluene-d8
Concen: 46.853 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

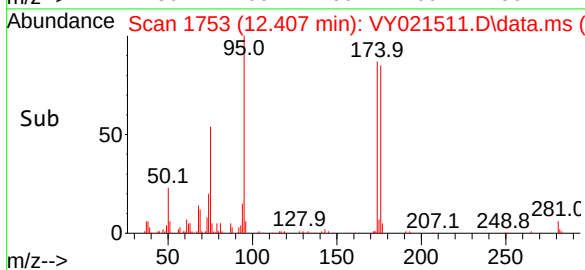
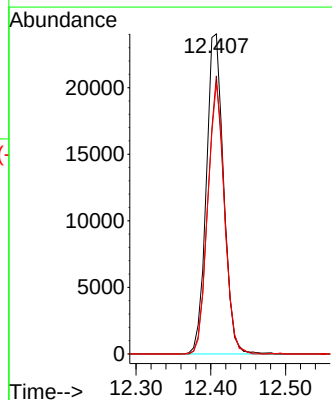
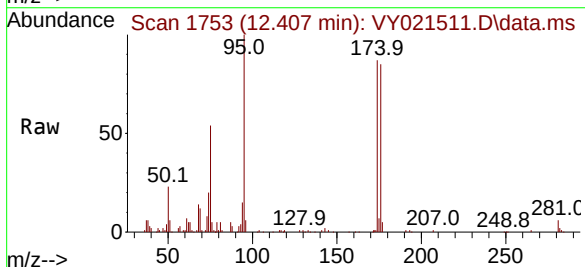
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-03102025

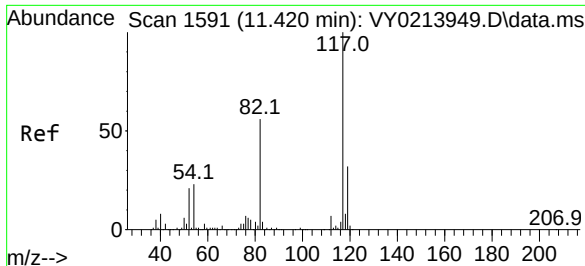
Tgt Ion: 98 Resp: 166154
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 31.978 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion: 95 Resp: 38575
Ion Ratio Lower Upper
95 100
174 82.6 0.0 165.0
176 81.8 0.0 160.0

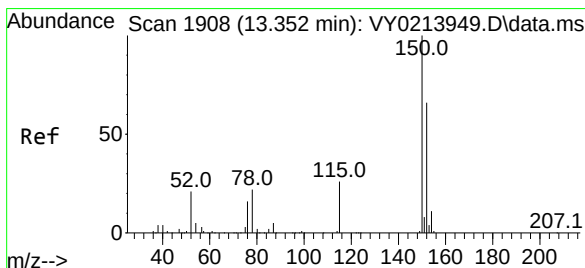
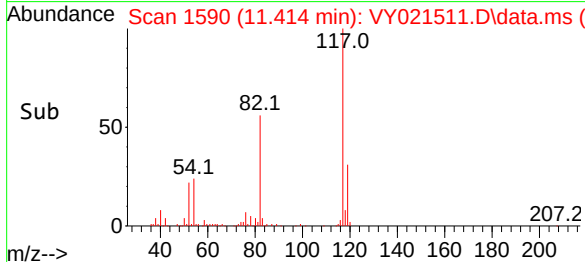
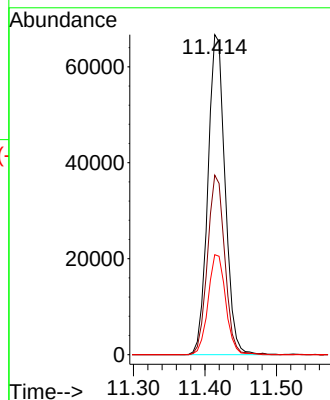
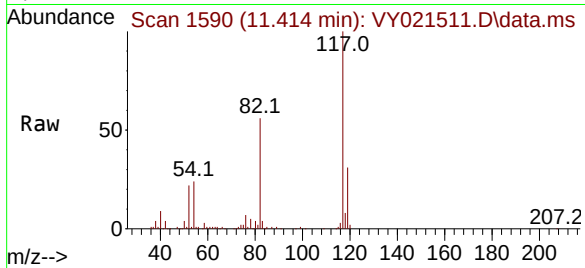




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-03102025

Tgt Ion:117 Resp: 111369
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021511.D
Acq: 12 Mar 2025 15:57

Tgt Ion:152 Resp: 35459
Ion Ratio Lower Upper
152 100
115 57.8 29.0 87.0
150 155.5 0.0 347.2

