

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021639.D
 Acq On : 25 Mar 2025 16:33
 Operator : SY/MD
 Sample : Q1634-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-032425

Quant Time: Mar 26 01:37:51 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	7.719	168	1462	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	2316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	228	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1360	88.012	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	176.020%#
35) Dibromofluoromethane	7.652	113	886	58.200	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.400%
50) Toluene-d8	10.115	98	2190	37.994	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.980%
62) 4-Bromofluorobenzene	12.408	95	353	18.004	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	36.000%

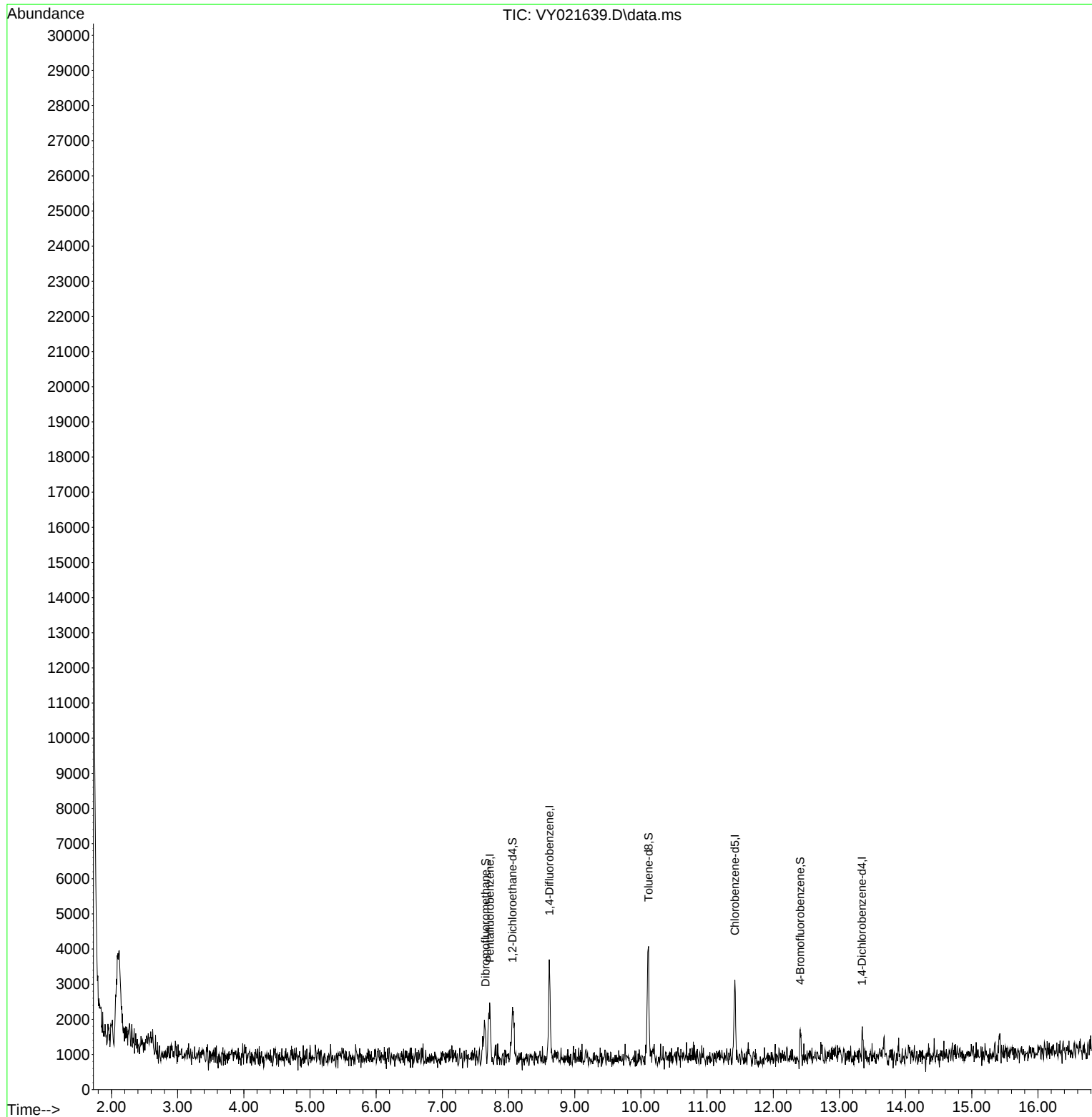
Target Compounds	Qvalue

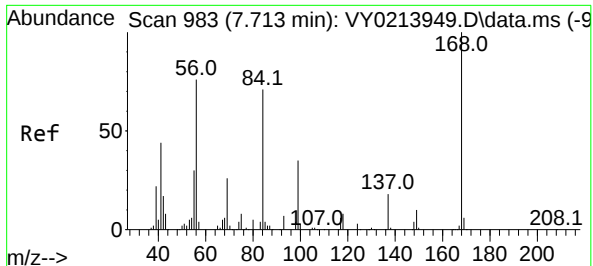
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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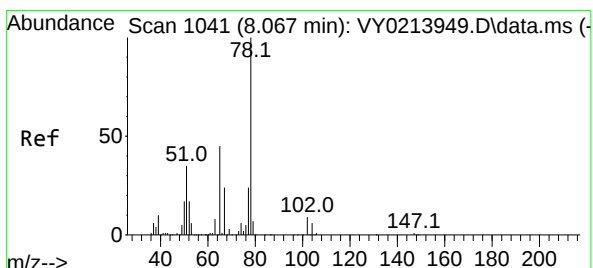
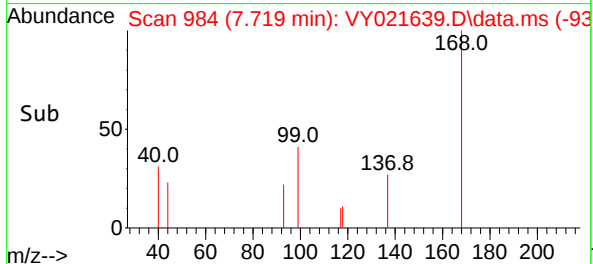
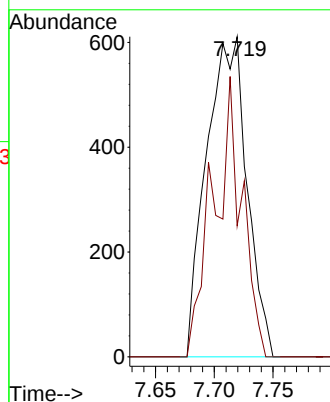
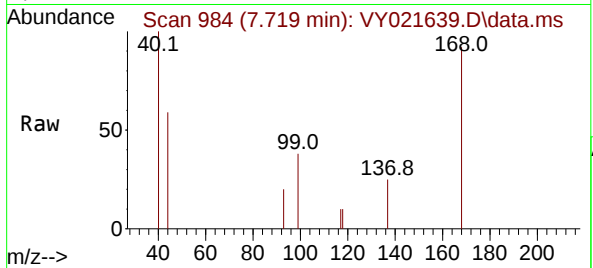




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY021639.D
Acq: 25 Mar 2025 16:33

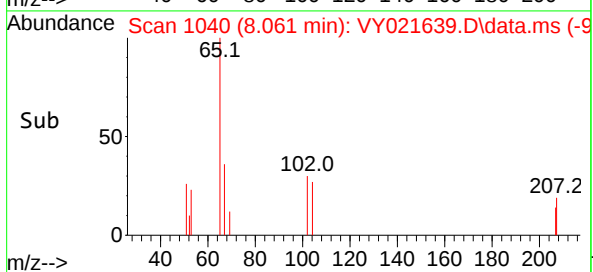
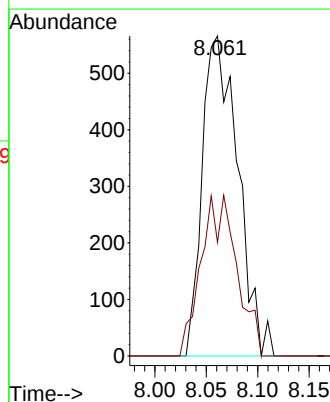
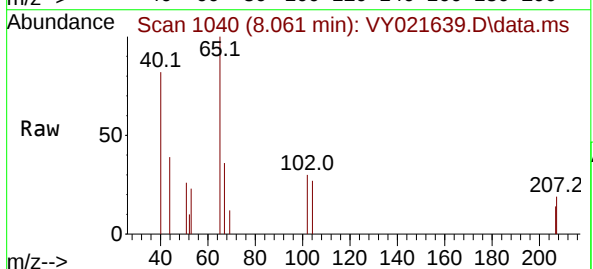
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-032425

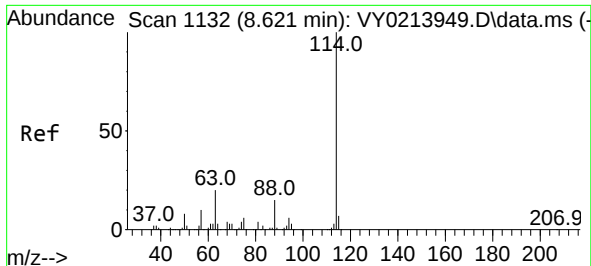
Tgt Ion:168 Resp: 1462
Ion Ratio Lower Upper
168 100
99 40.9 46.0 69.0#



#33
1,2-Dichloroethane-d4
Concen: 88.012 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021639.D
Acq: 25 Mar 2025 16:33

Tgt Ion: 65 Resp: 1360
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021639.D

Acq: 25 Mar 2025 16:33

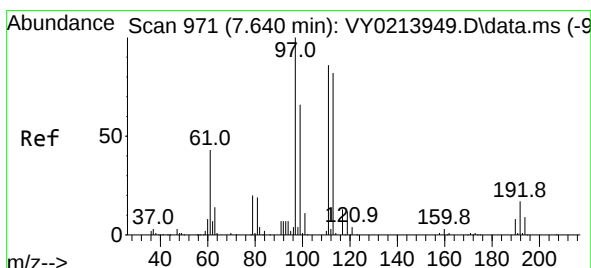
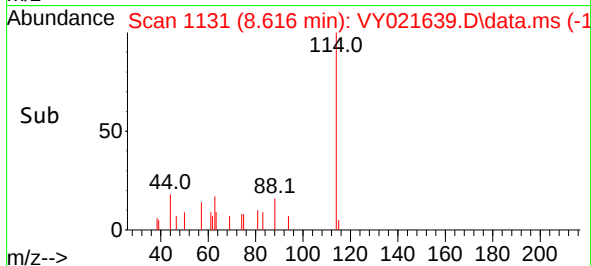
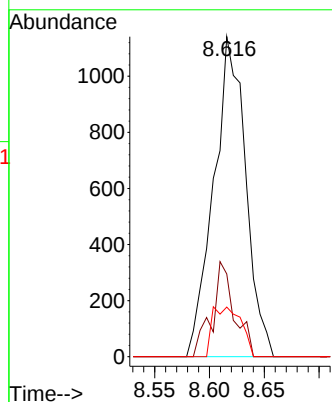
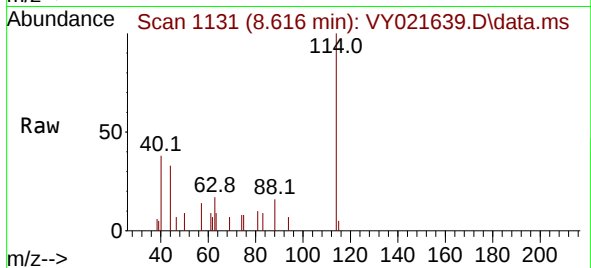
Instrument :

MSVOA_Y

ClientSampleId :

HR-01-032425

Tgt Ion:114	Resp:	2316
Ion	Ratio	Lower Upper
114	100	
63	25.9	0.0 40.8
88	15.5	0.0 30.8



#35

Dibromofluoromethane

Concen: 58.200 ug/l

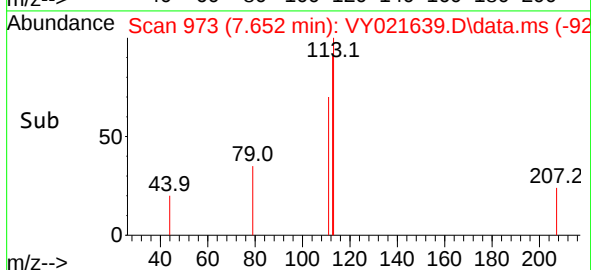
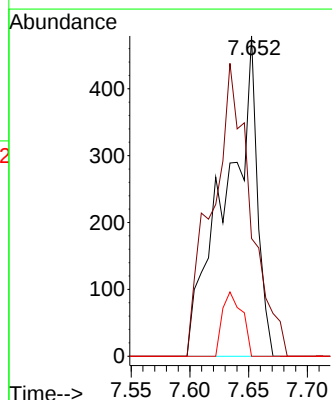
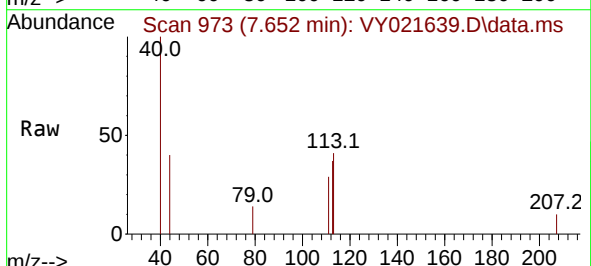
RT: 7.652 min Scan# 973

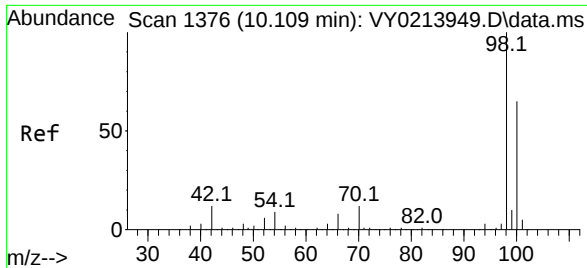
Delta R.T. 0.013 min

Lab File: VY021639.D

Acq: 25 Mar 2025 16:33

Tgt Ion:113	Resp:	886
Ion	Ratio	Lower Upper
113	100	
111	112.3	82.0 123.0
192	12.6	15.9 23.9

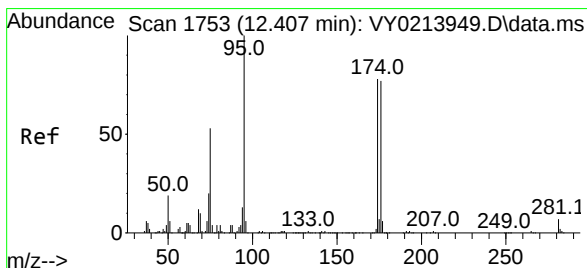
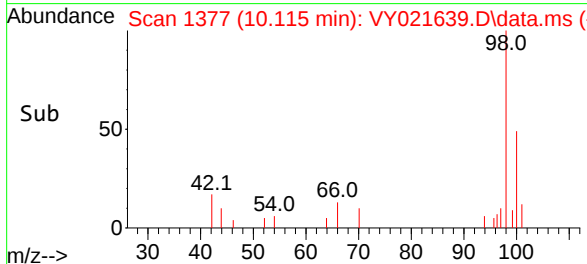
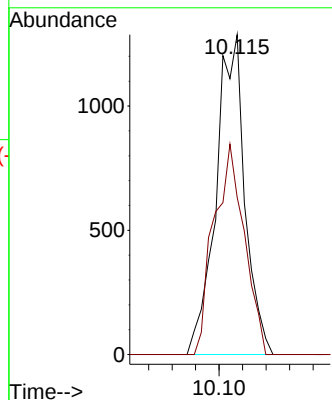
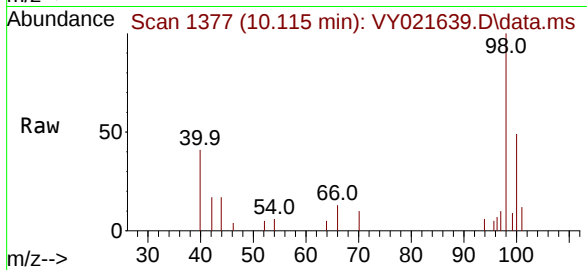




#50
Toluene-d8
Concen: 37.994 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021639.D
Acq: 25 Mar 2025 16:33

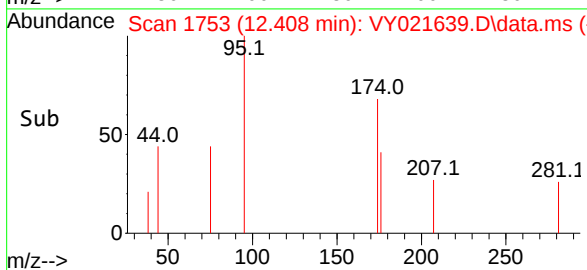
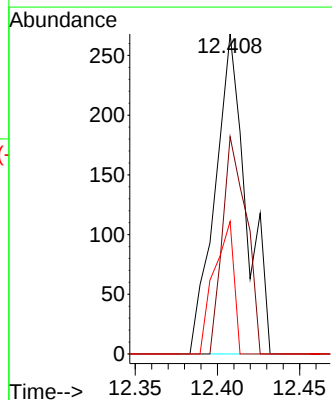
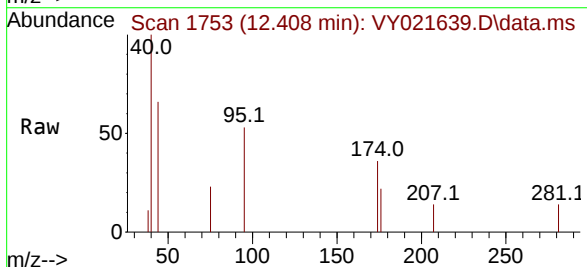
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-032425

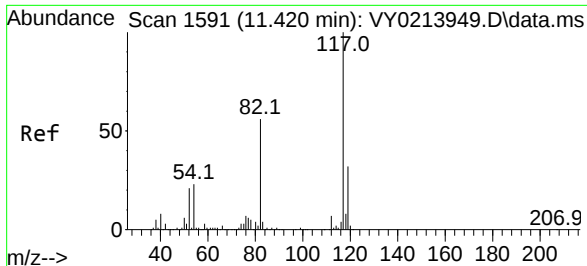
Tgt Ion: 98 Resp: 2190
Ion Ratio Lower Upper
98 100
100 69.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 18.004 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021639.D
Acq: 25 Mar 2025 16:33

Tgt Ion: 95 Resp: 353
Ion Ratio Lower Upper
95 100
174 52.1 0.0 165.0
176 26.3 0.0 160.0

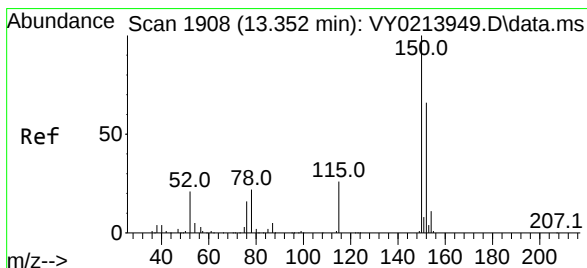
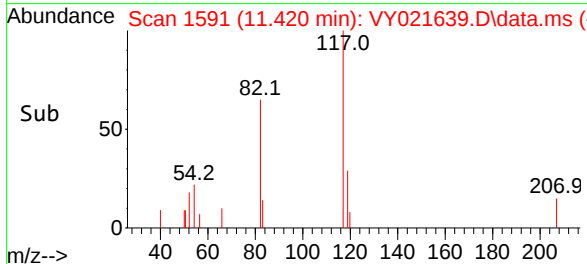
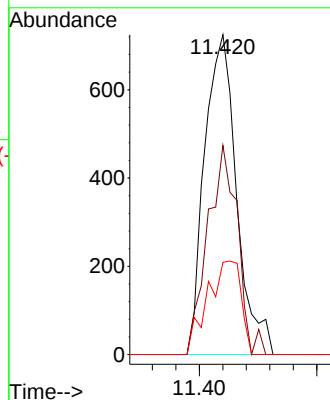
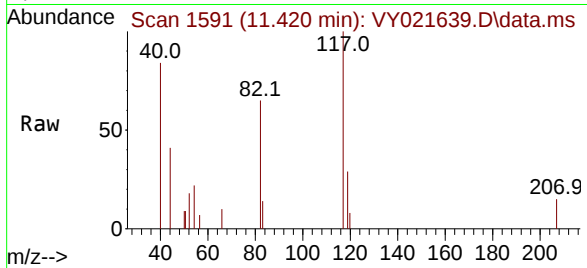




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021639.D
Acq: 25 Mar 2025 16:33

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-032425

Tgt Ion:	117	Resp:	1373
Ion	Ratio	Lower	Upper
117	100		
82	65.4	44.6	67.0
119	28.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.012 min
Lab File: VY021639.D
Acq: 25 Mar 2025 16:33

Tgt Ion:	152	Resp:	228
Ion	Ratio	Lower	Upper
152	100		
115	64.5	29.0	87.0
150	150.0	0.0	347.2

