

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021606.D
 Acq On : 21 Mar 2025 17:46
 Operator : SY/MD
 Sample : Q1614-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-032025

Quant Time: Mar 21 23:13:04 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)

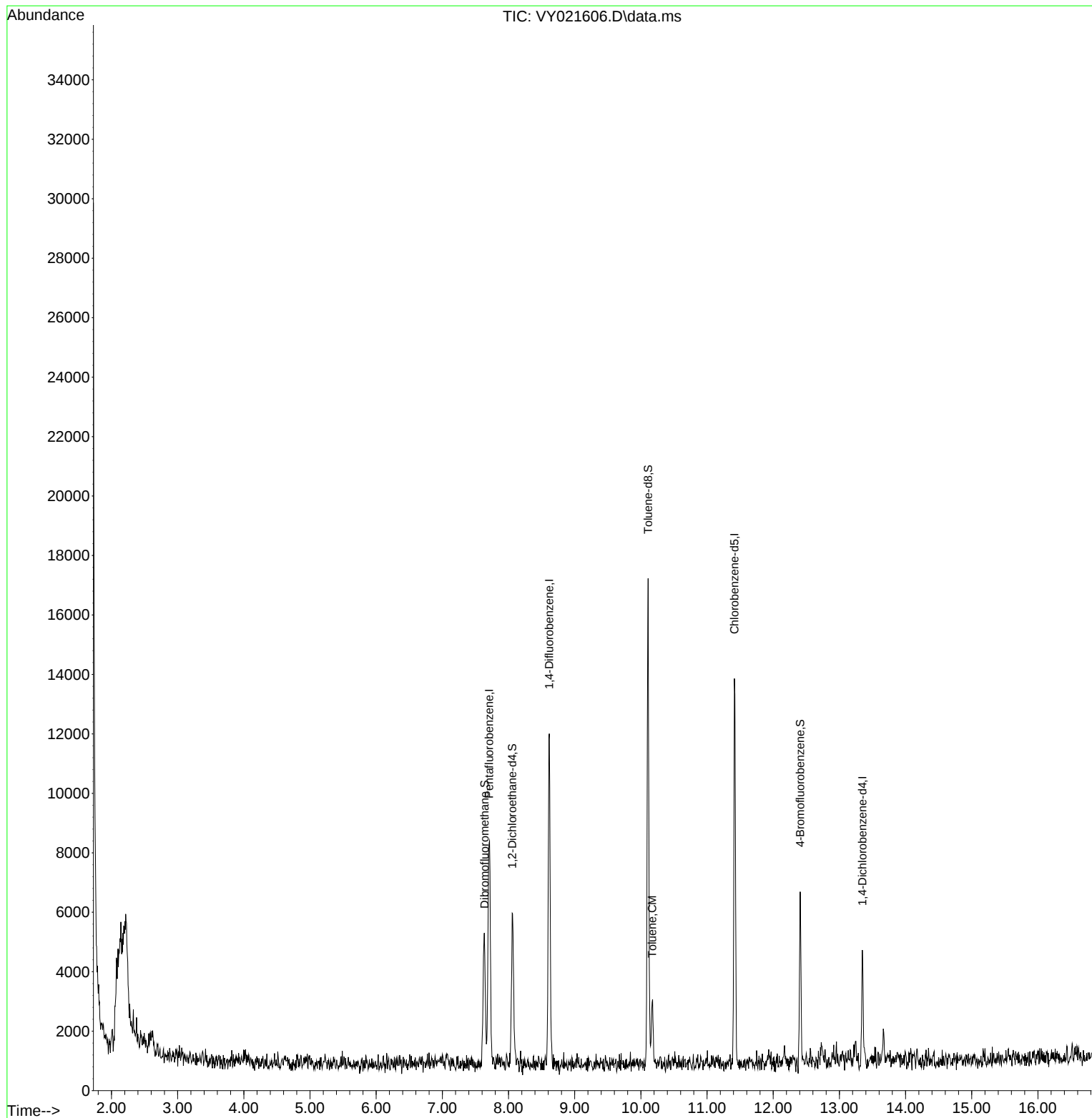
Internal Standards						
1) Pentafluorobenzene	7.707	168	6645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	9074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	7061	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	4217	60.042	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.080%
35) Dibromofluoromethane	7.640	113	3219	53.970	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.940%
50) Toluene-d8	10.109	98	10372	45.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.408	95	1736	22.598	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.200%
Target Compounds						
52) Toluene	10.170	92	1124	6.482	ug/l	Qvalue 94

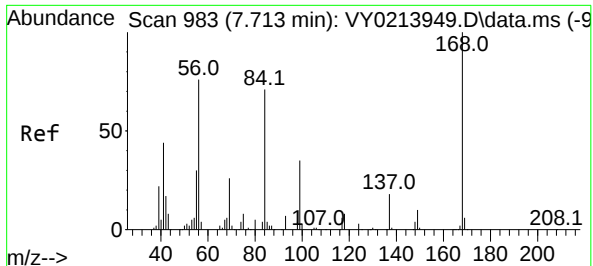
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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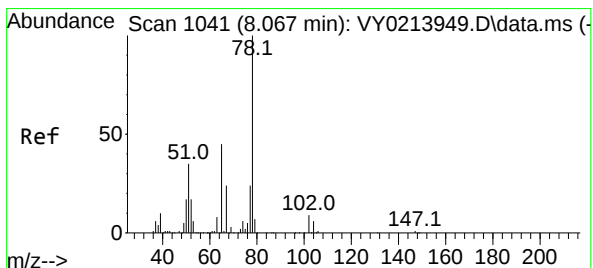
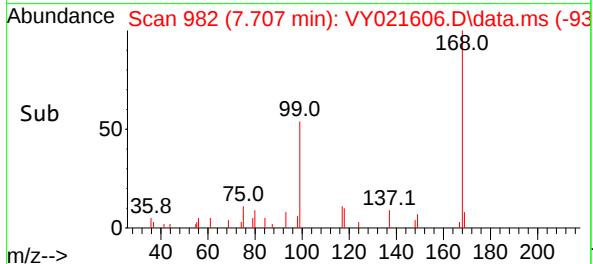
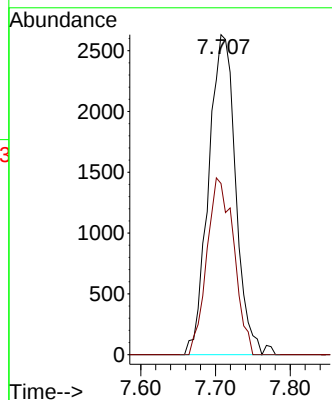
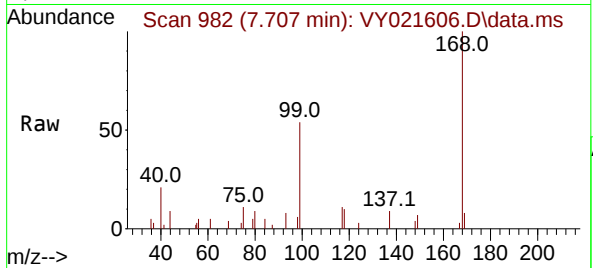




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021606.D
Acq: 21 Mar 2025 17:46

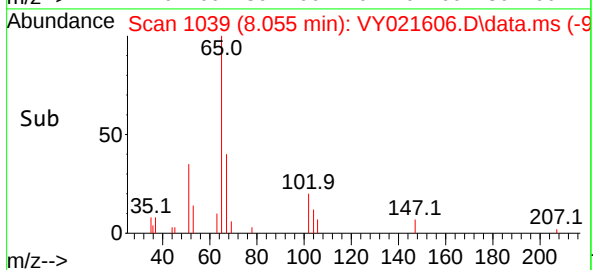
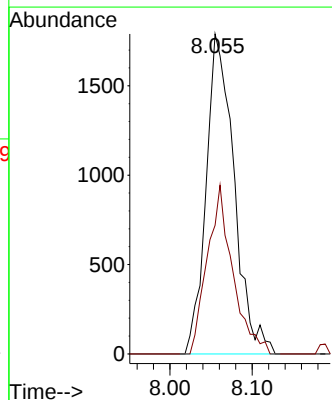
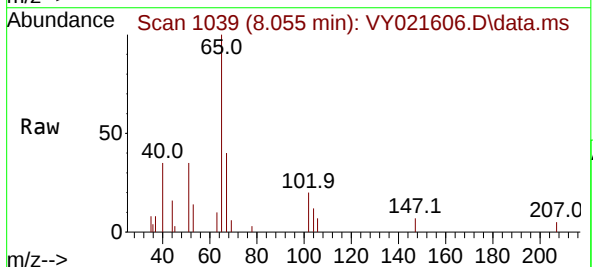
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-032025

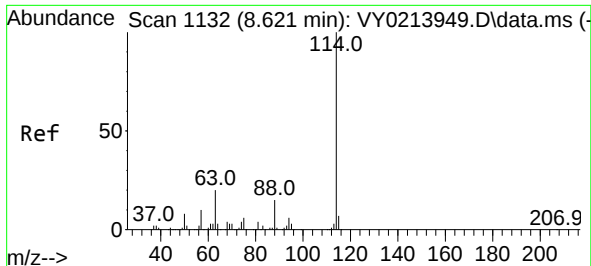
Tgt Ion:168 Resp: 6645
Ion Ratio Lower Upper
168 100
99 53.5 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 60.042 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021606.D
Acq: 21 Mar 2025 17:46

Tgt Ion: 65 Resp: 4217
Ion Ratio Lower Upper
65 100
67 48.2 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: VY021606.D

Acq: 21 Mar 2025 17:46

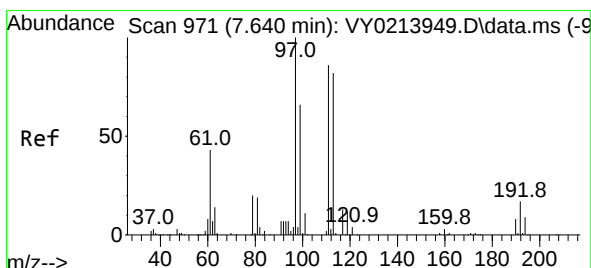
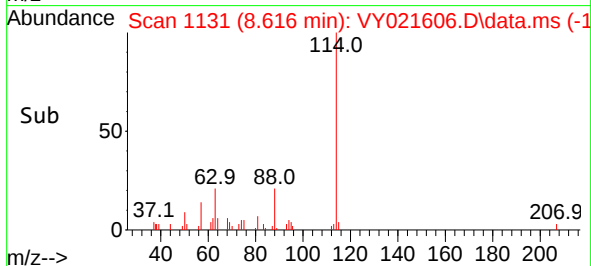
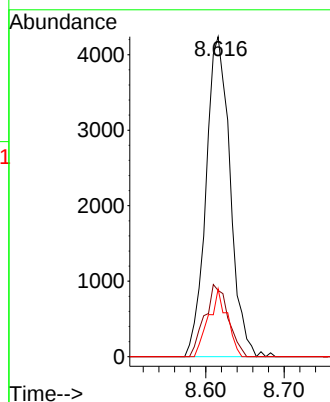
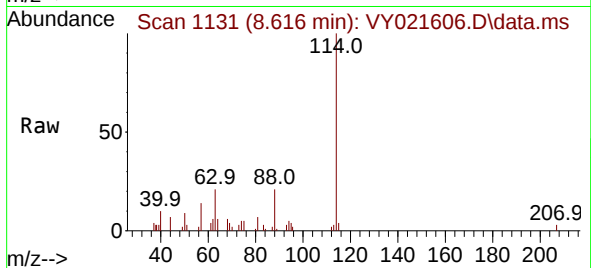
Instrument :

MSVOA_Y

ClientSampleId :

TR-04-032025

Tgt Ion:114	Resp:	9074
Ion	Ratio	Lower Upper
114	100	
63	20.7	0.0 40.8
88	21.2	0.0 30.8



#35

Dibromofluoromethane

Concen: 53.970 ug/l

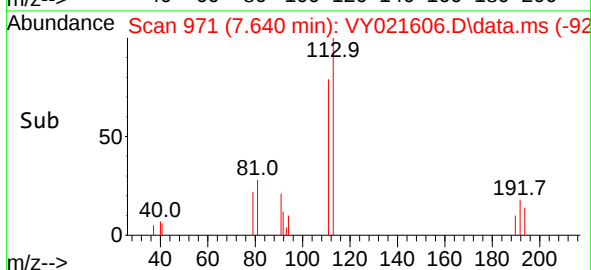
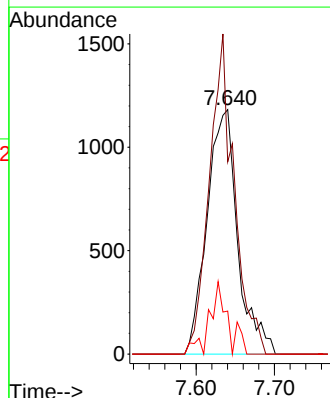
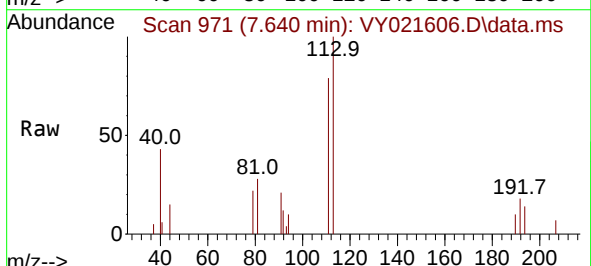
RT: 7.640 min Scan# 971

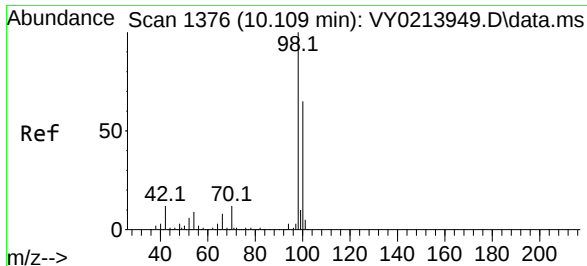
Delta R.T. 0.000 min

Lab File: VY021606.D

Acq: 21 Mar 2025 17:46

Tgt Ion:113	Resp:	3219
Ion	Ratio	Lower Upper
113	100	
111	105.6	82.0 123.0
192	15.1	15.9 23.9

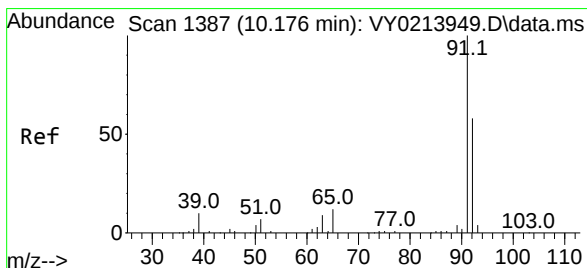
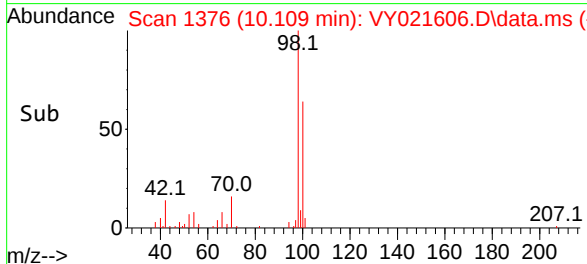
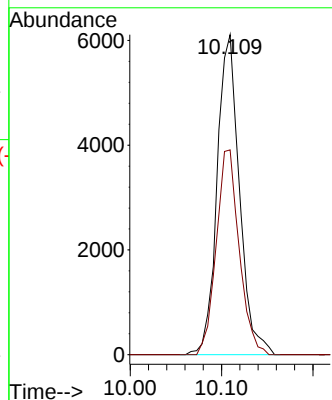
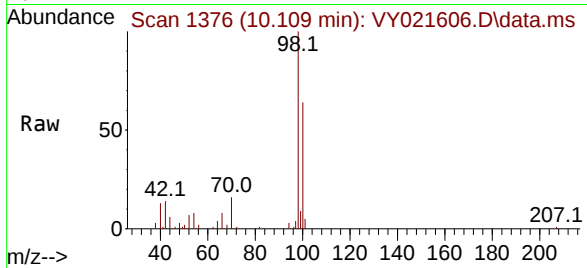




#50
Toluene-d8
Concen: 45.928 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021606.D
Acq: 21 Mar 2025 17:46

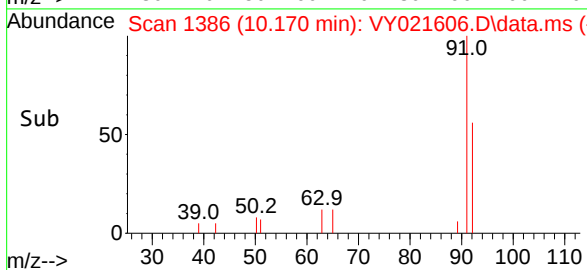
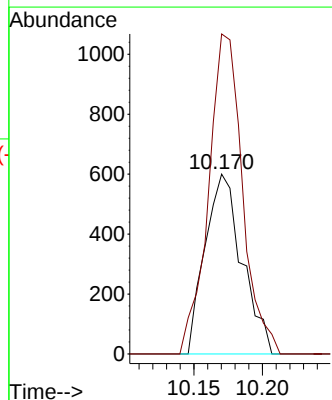
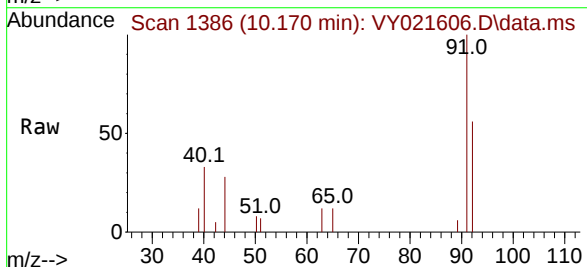
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-032025

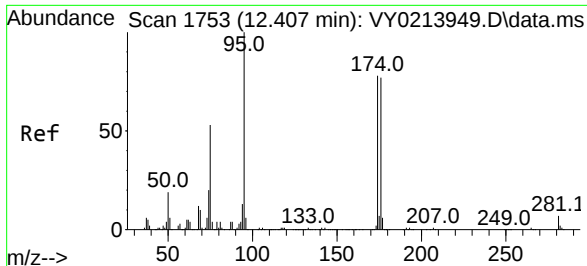
Tgt Ion: 98 Resp: 10372
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#52
Toluene
Concen: 6.482 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021606.D
Acq: 21 Mar 2025 17:46

Tgt Ion: 92 Resp: 1124
Ion Ratio Lower Upper
92 100
91 164.1 138.2 207.2





#62

4-Bromofluorobenzene

Concen: 22.598 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021606.D

Acq: 21 Mar 2025 17:46

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-032025

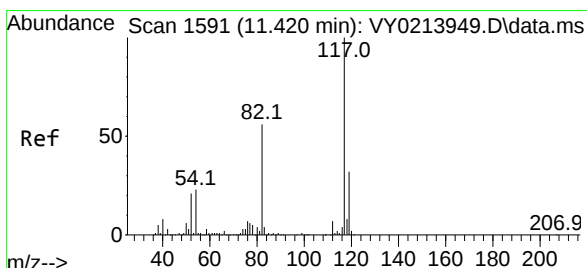
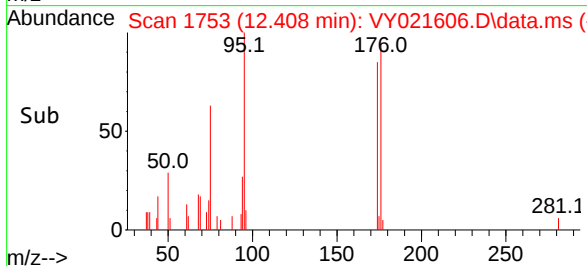
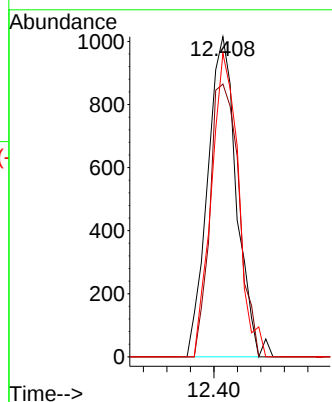
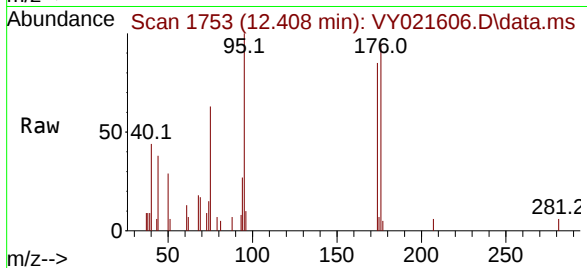
Tgt Ion: 95 Resp: 1736

Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.0

176 88.1 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021606.D

Acq: 21 Mar 2025 17:46

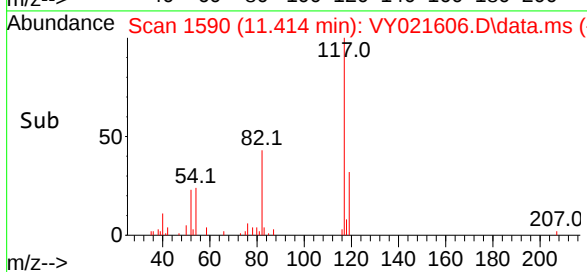
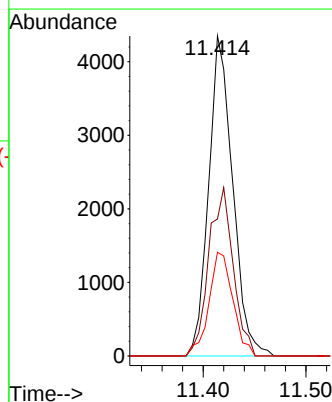
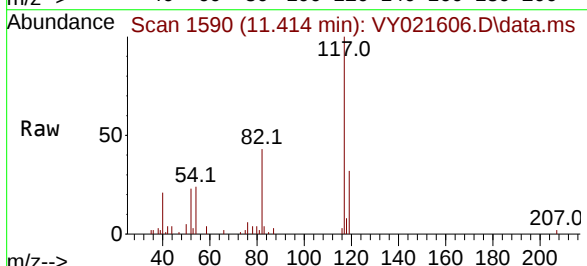
Tgt Ion: 117 Resp: 7061

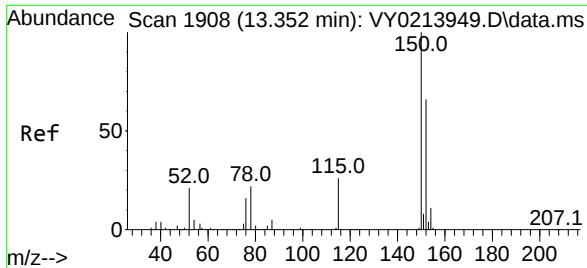
Ion Ratio Lower Upper

117 100

82 42.8 44.6 67.0#

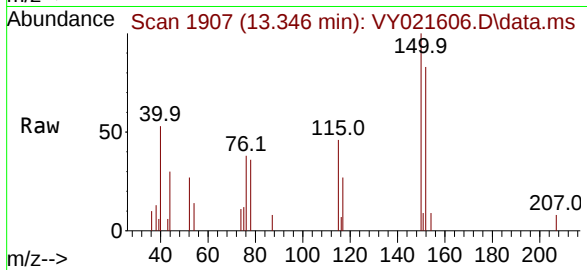
119 32.4 25.4 38.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021606.D
Acq: 21 Mar 2025 17:46

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-032025



Tgt Ion:	152	Resp:	1068
Ion	Ratio	Lower	Upper
152	100		
115	73.6	29.0	87.0
150	130.8	0.0	347.2

