

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021653.D
 Acq On : 26 Mar 2025 17:44
 Operator : SY/MD
 Sample : Q1642-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-1-032525

Quant Time: Mar 27 01:33:33 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)

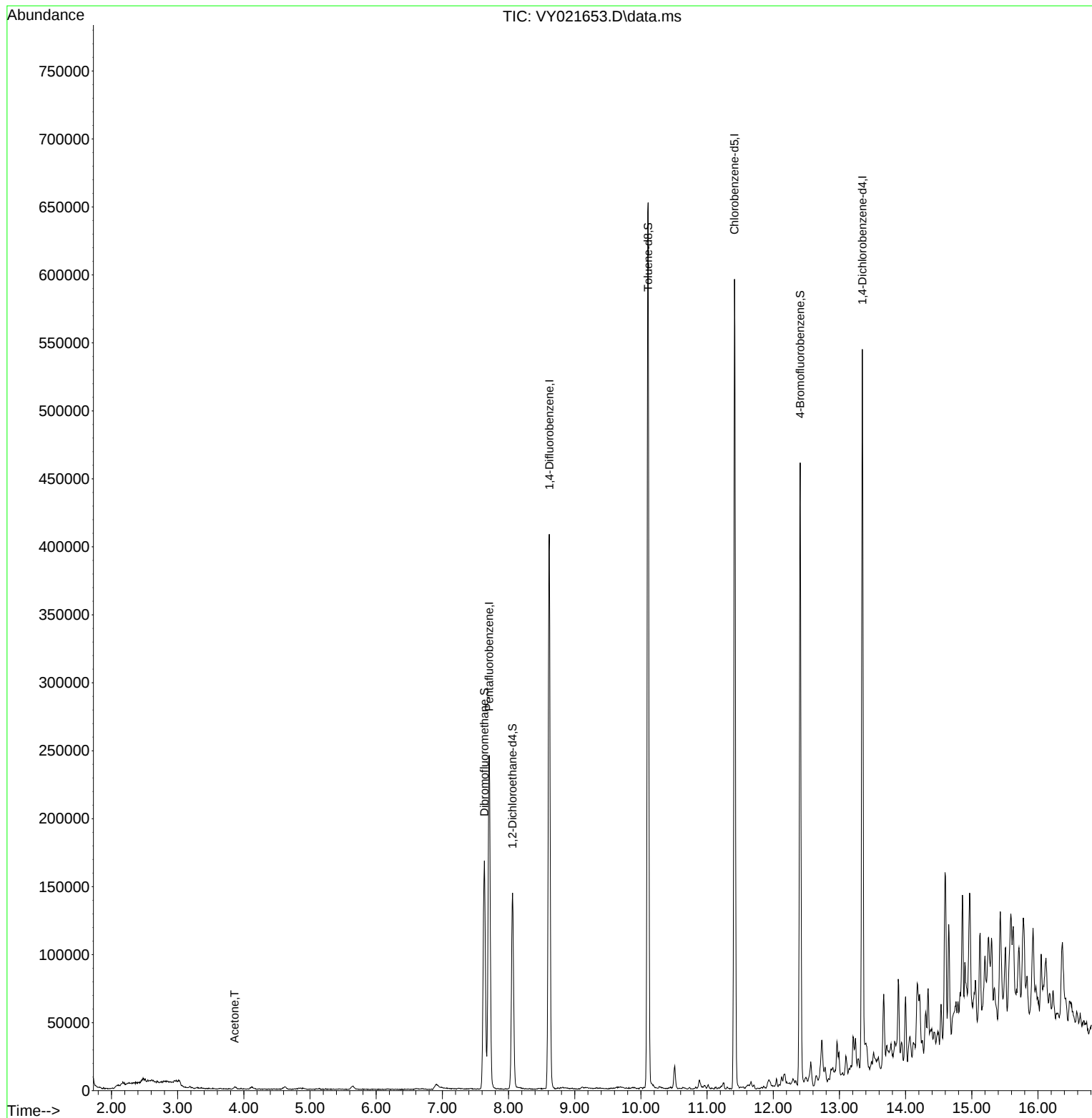
Internal Standards						
1) Pentafluorobenzene	7.707	168	182964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	305140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	128839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114805	59.367	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.740%
35) Dibromofluoromethane	7.634	113	116053	52.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.960%
50) Toluene-d8	10.109	98	413682	49.404	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.408	95	131008	45.995	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.980%
Target Compounds						Qvalue
16) Acetone	3.860	43	2585	6.129	ug/l	# 82

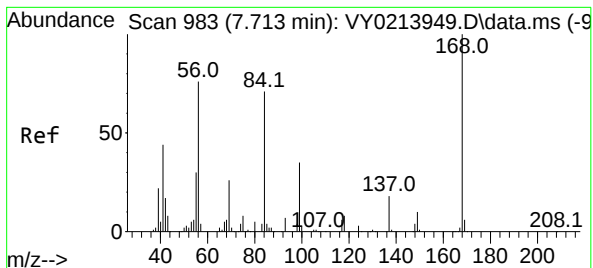
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY021653.D

Acq: 26 Mar 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

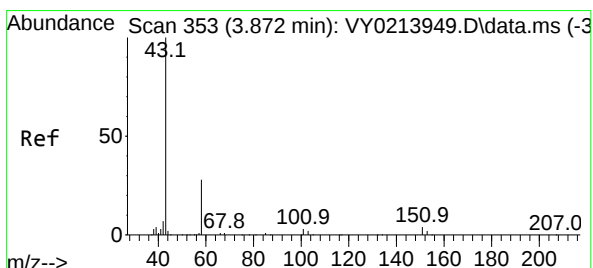
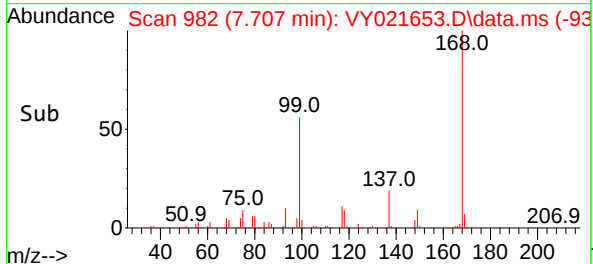
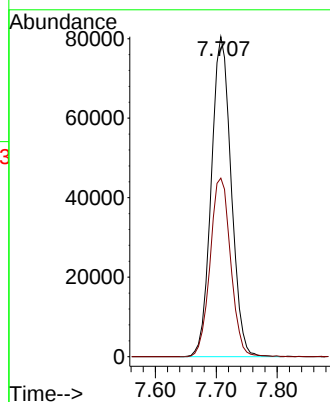
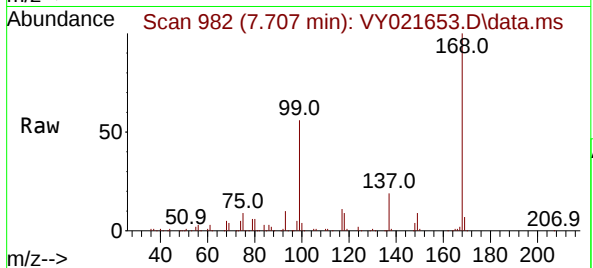
PAT-1-032525

Tgt Ion:168 Resp: 182964

Ion Ratio Lower Upper

168 100

99 55.8 46.0 69.0



#16

Acetone

Concen: 6.129 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.012 min

Lab File: VY021653.D

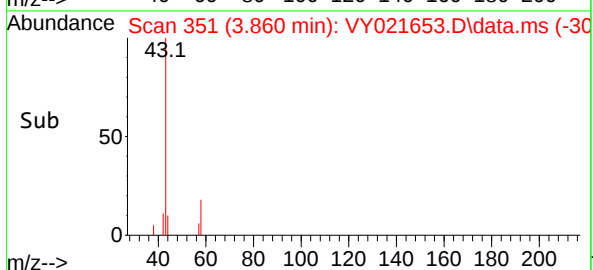
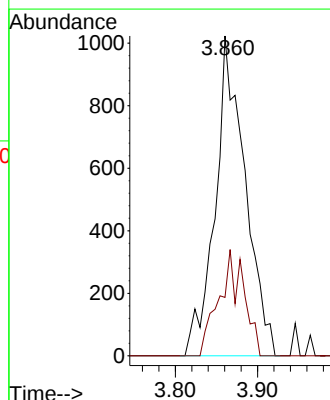
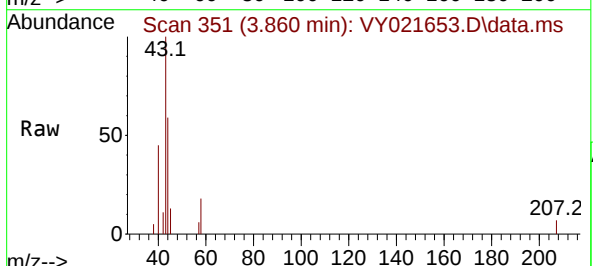
Acq: 26 Mar 2025 17:44

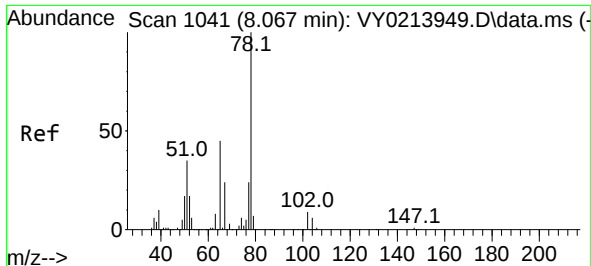
Tgt Ion: 43 Resp: 2585

Ion Ratio Lower Upper

43 100

58 18.3 22.1 33.1#





#33

1,2-Dichloroethane-d4

Concen: 59.367 ug/l

RT: 8.061 min Scan# 114805

Delta R.T. -0.006 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

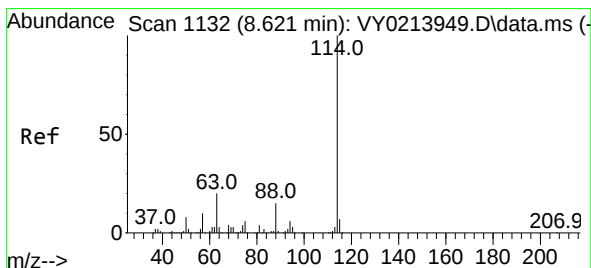
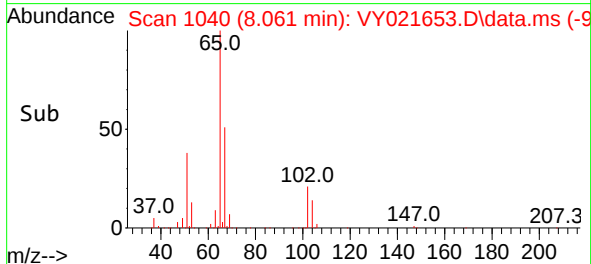
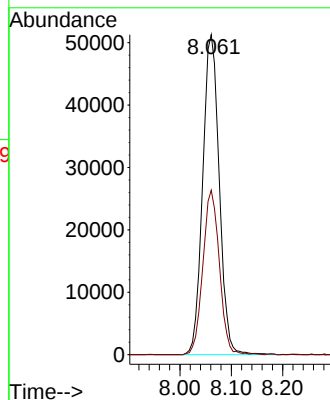
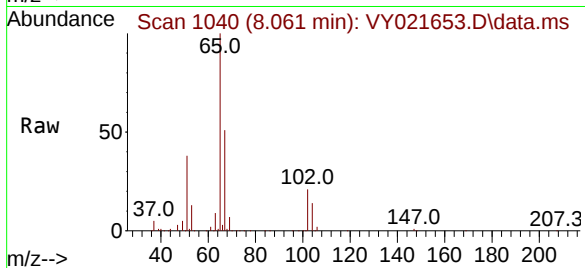
PAT-1-032525

Tgt Ion: 65 Resp: 114805

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

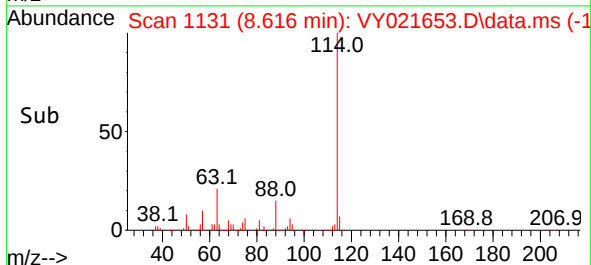
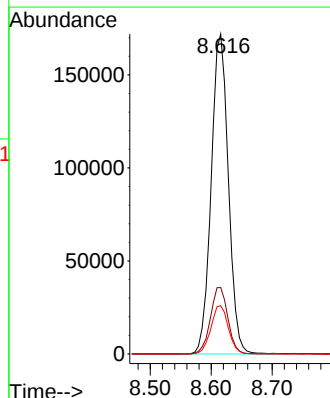
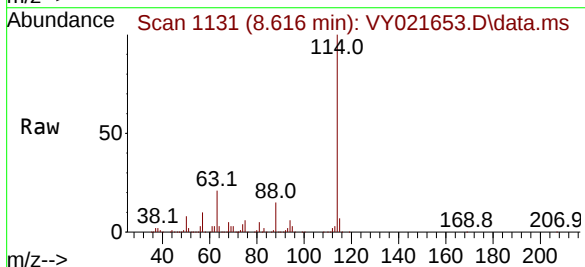
Tgt Ion: 114 Resp: 336446

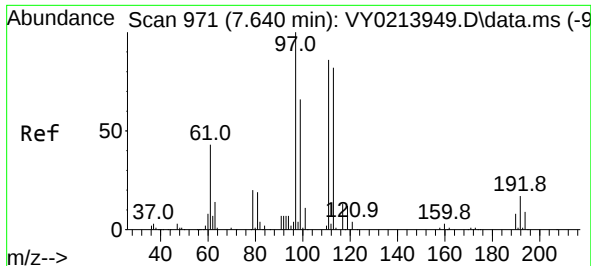
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.1 0.0 30.8

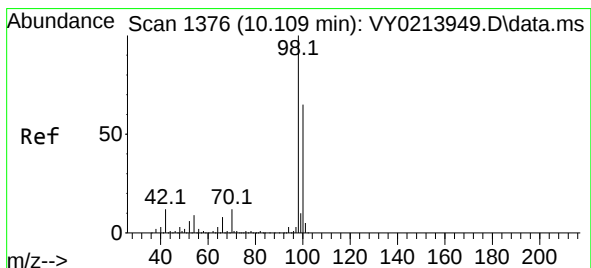
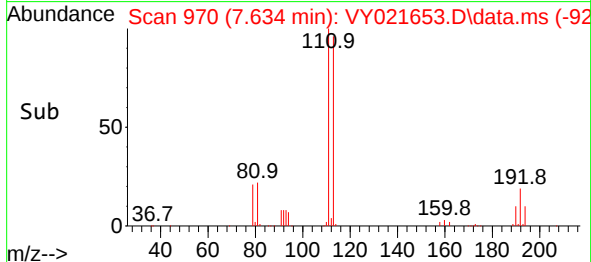
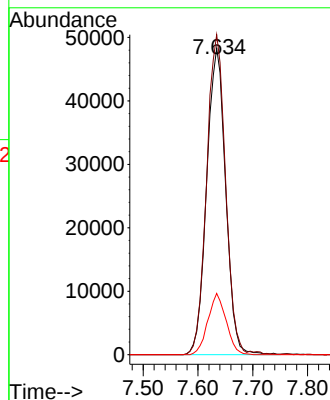
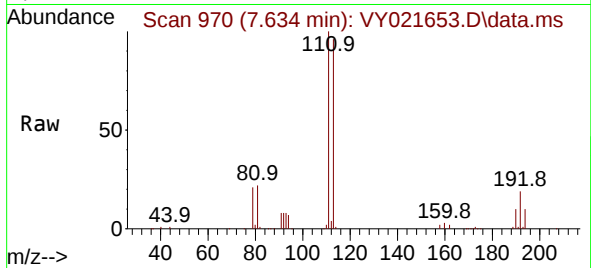




#35
Dibromofluoromethane
Concen: 52.477 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

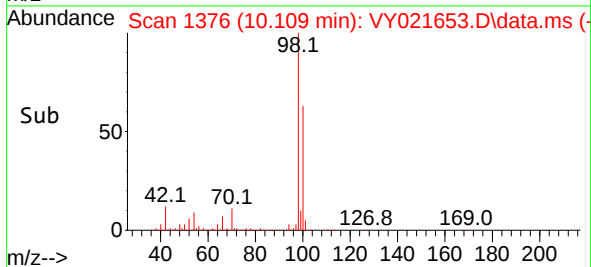
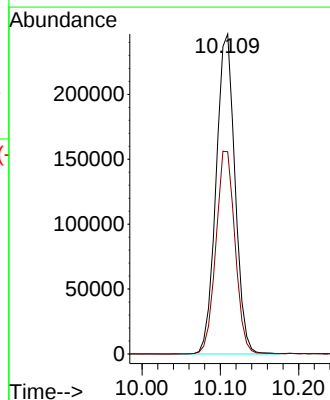
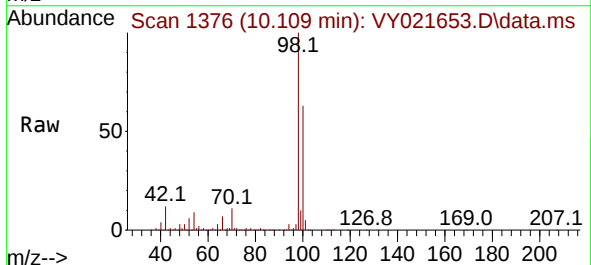
Instrument :
MSVOA_Y
ClientSampleId :
PAT-1-032525

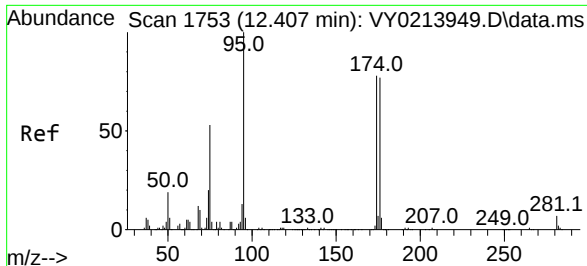
Tgt Ion:113 Resp: 116053
Ion Ratio Lower Upper
113 100
111 104.3 82.0 123.0
192 19.2 15.9 23.9



#50
Toluene-d8
Concen: 49.404 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021653.D
Acq: 26 Mar 2025 17:44

Tgt Ion: 98 Resp: 413682
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 45.995 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021653.D

Acq: 26 Mar 2025 17:44

Instrument :

MSVOA_Y

ClientSampleId :

PAT-1-032525

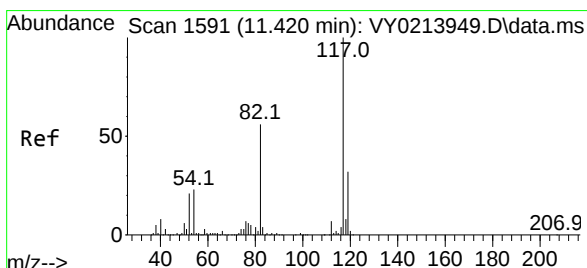
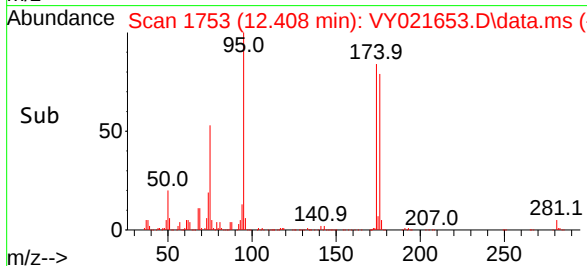
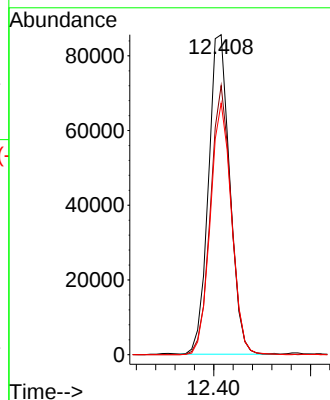
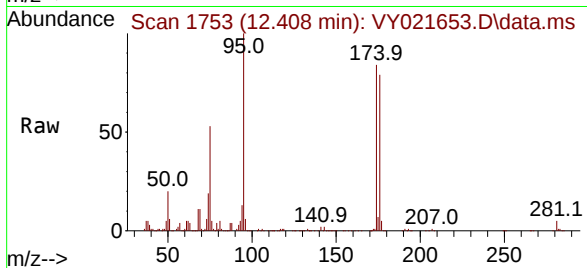
Tgt Ion: 95 Resp: 131008

Ion Ratio Lower Upper

95 100

174 82.0 0.0 165.0

176 78.3 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: VY021653.D

Acq: 26 Mar 2025 17:44

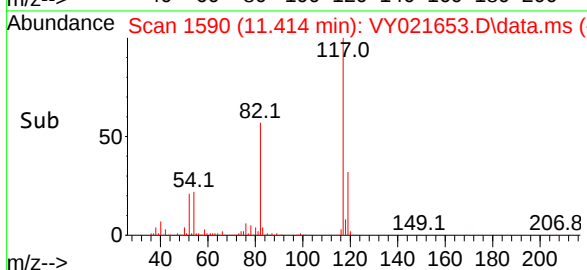
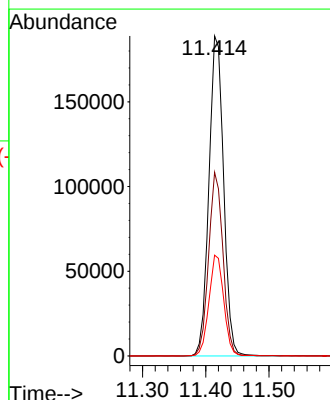
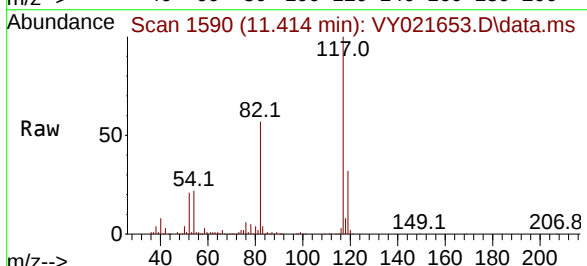
Tgt Ion: 117 Resp: 305140

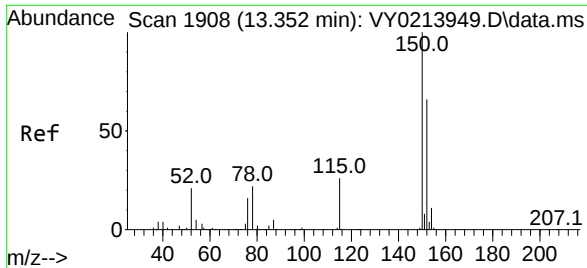
Ion Ratio Lower Upper

117 100

82 57.4 44.6 67.0

119 31.5 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY021653.D
 Acq: 26 Mar 2025 17:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAT-1-032525

Tgt Ion:152 Resp: 128839
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.0 87.0
 150 155.3 0.0 347.2

