

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021580.D
 Acq On : 20 Mar 2025 14:24
 Operator : SY/MD
 Sample : Q1606-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4534

Quant Time: Mar 21 01:33:34 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)

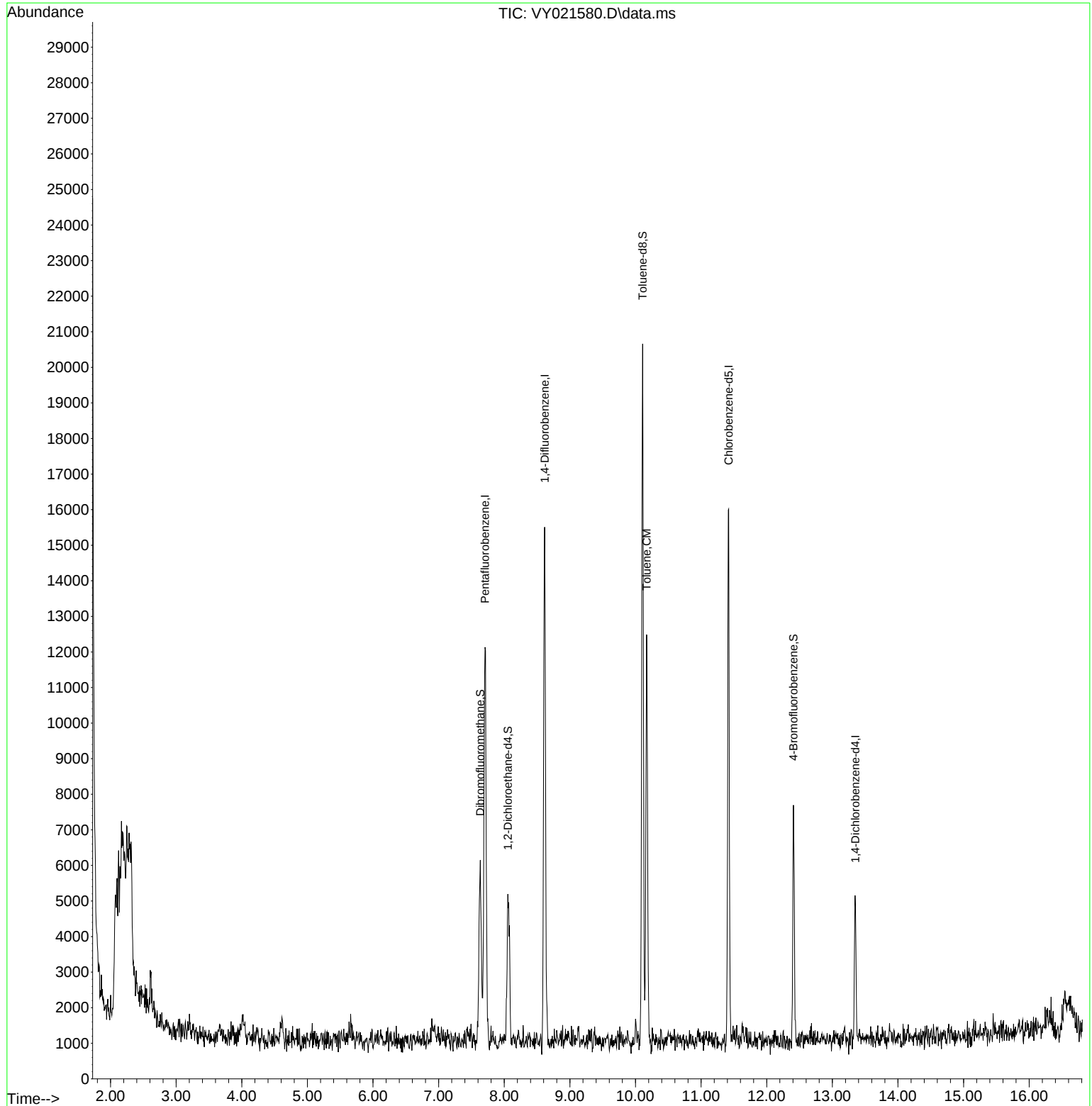
Internal Standards						
1) Pentafluorobenzene	7.707	168	8725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	11826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	7821	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	1092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	3736	40.513	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.020%
35) Dibromofluoromethane	7.634	113	3692	47.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.000%
50) Toluene-d8	10.109	98	12690	43.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.240%
62) 4-Bromofluorobenzene	12.408	95	2094	20.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.840%
Target Compounds						
52) Toluene	10.170	92	4759	21.059	ug/l	Qvalue 92

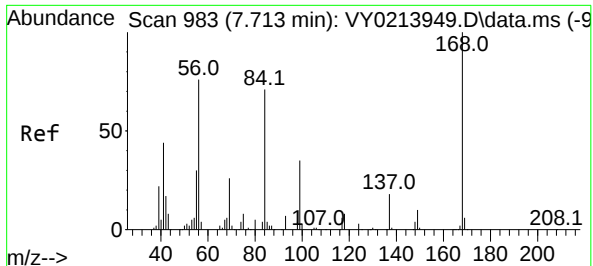
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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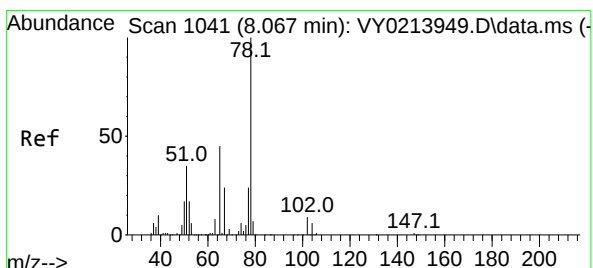
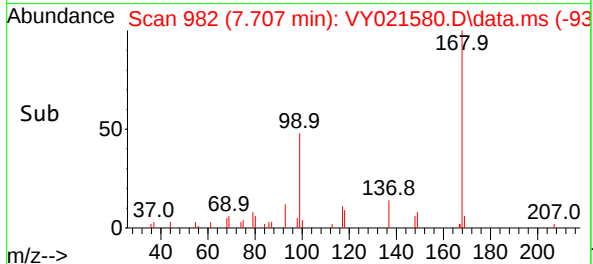
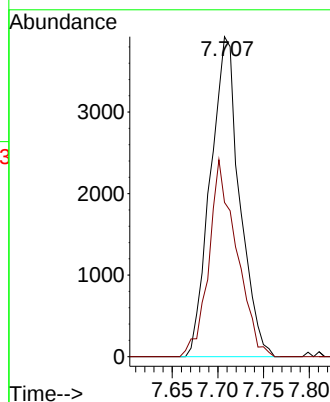
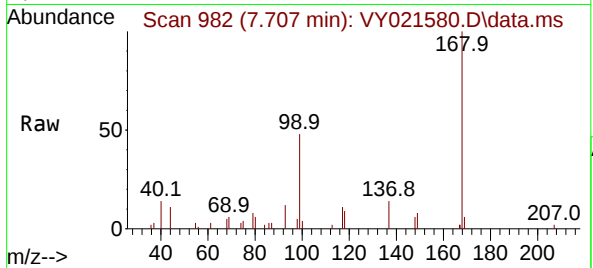




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021580.D
Acq: 20 Mar 2025 14:24

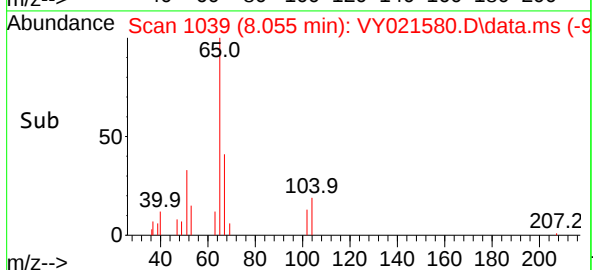
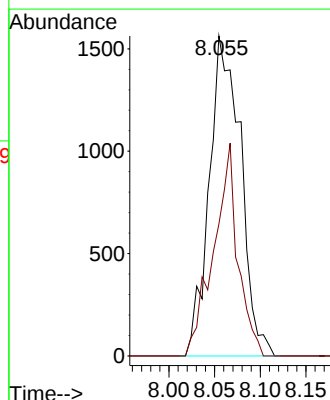
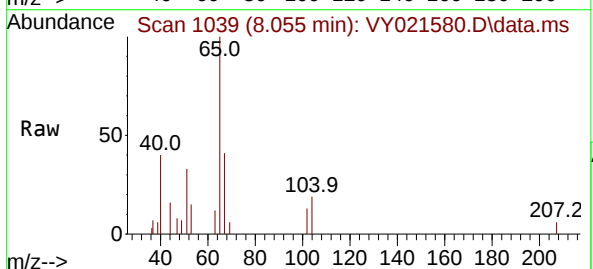
Instrument :
MSVOA_Y
ClientSampleId :
RT4534

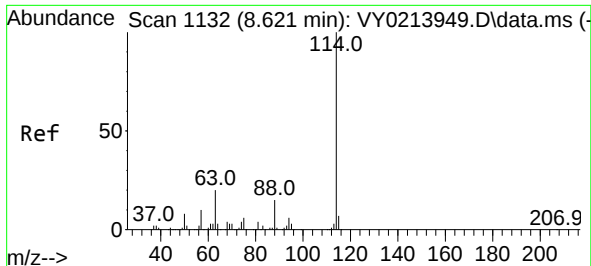
Tgt Ion:168 Resp: 8725
Ion Ratio Lower Upper
168 100
99 48.2 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 40.513 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021580.D
Acq: 20 Mar 2025 14:24

Tgt Ion: 65 Resp: 3736
Ion Ratio Lower Upper
65 100
67 51.4 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: VY021580.D

Acq: 20 Mar 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

RT4534

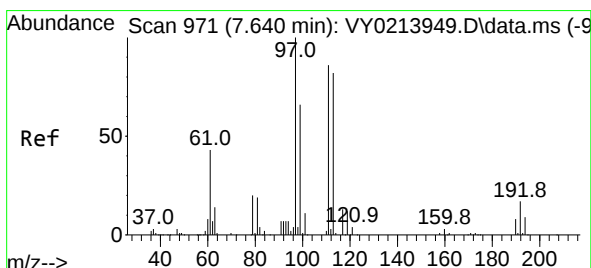
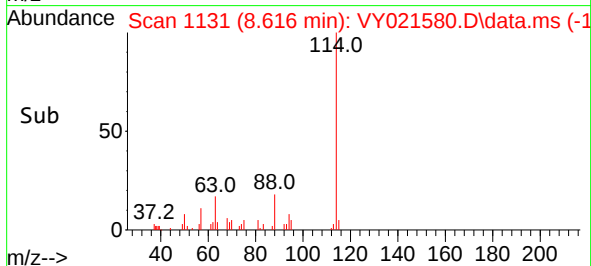
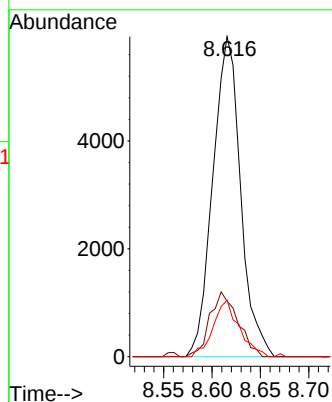
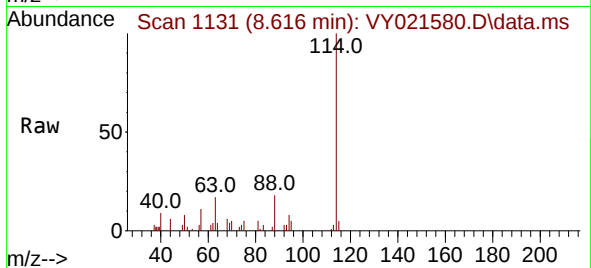
Tgt Ion:114 Resp: 11826

Ion Ratio Lower Upper

114 100

63 17.3 0.0 40.8

88 17.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 47.495 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021580.D

Acq: 20 Mar 2025 14:24

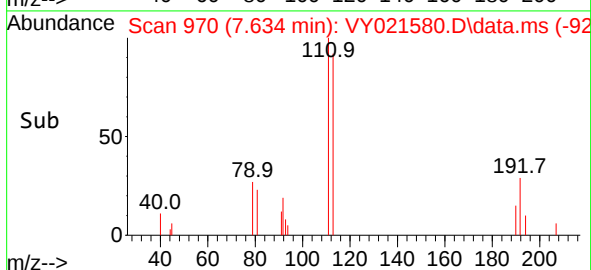
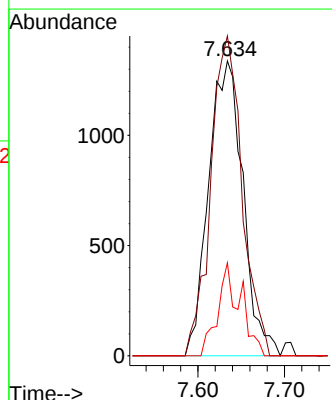
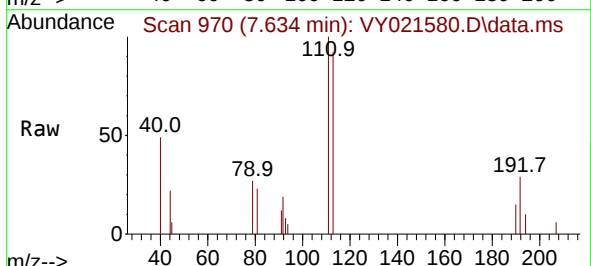
Tgt Ion:113 Resp: 3692

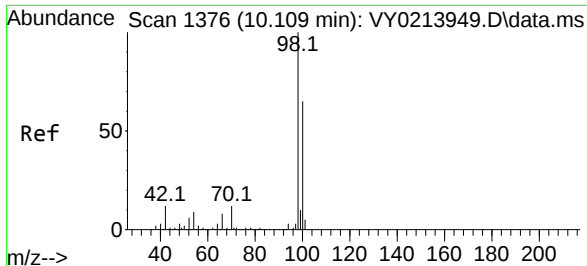
Ion Ratio Lower Upper

113 100

111 98.9 82.0 123.0

192 21.0 15.9 23.9

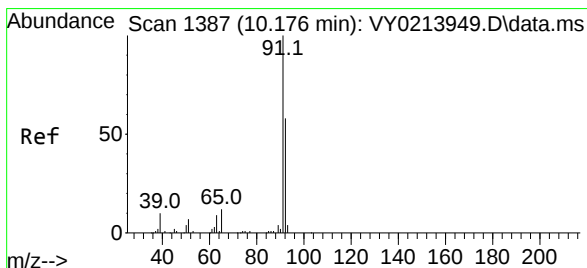
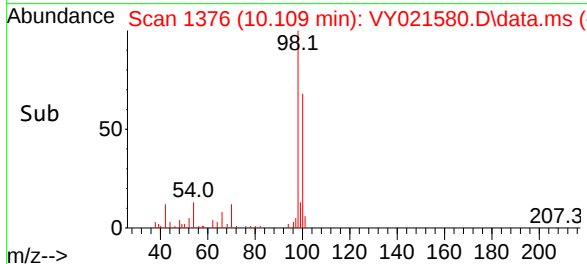
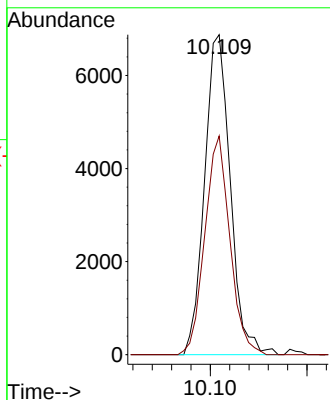
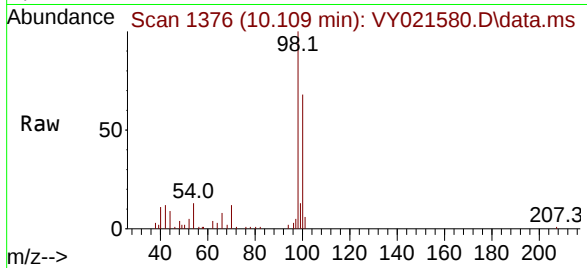




#50
Toluene-d8
Concen: 43.115 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021580.D
Acq: 20 Mar 2025 14:24

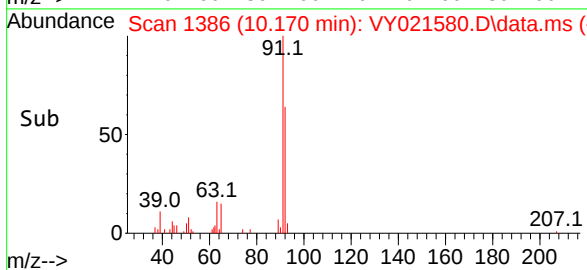
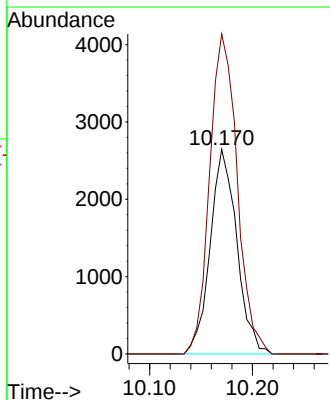
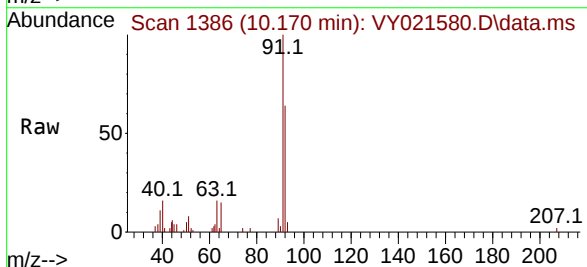
Instrument :
MSVOA_Y
ClientSampleId :
RT4534

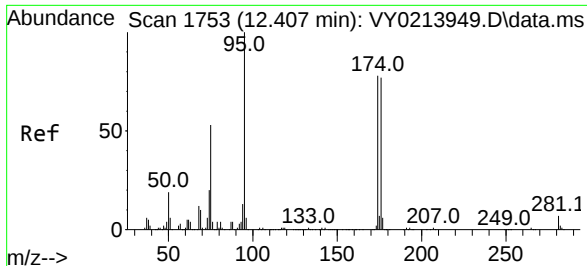
Tgt Ion: 98 Resp: 12690
Ion Ratio Lower Upper
98 100
100 66.6 52.1 78.1



#52
Toluene
Concen: 21.059 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021580.D
Acq: 20 Mar 2025 14:24

Tgt Ion: 92 Resp: 4759
Ion Ratio Lower Upper
92 100
91 161.9 138.2 207.2

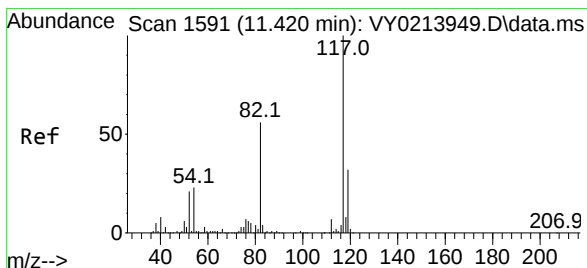
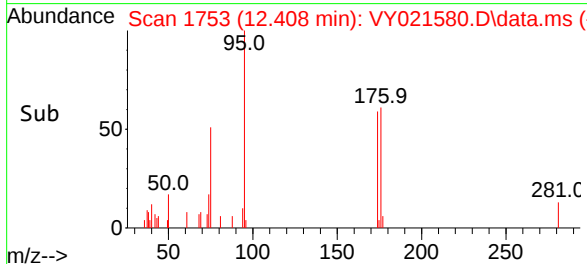
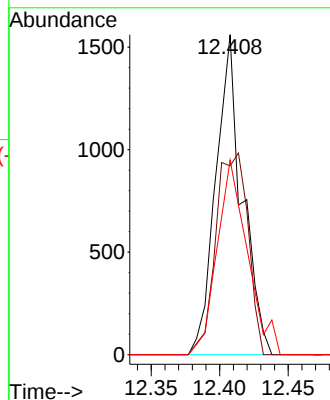
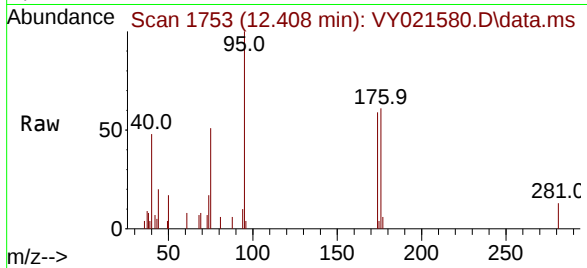




#62
4-Bromofluorobenzene
Concen: 20.915 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021580.D
Acq: 20 Mar 2025 14:24

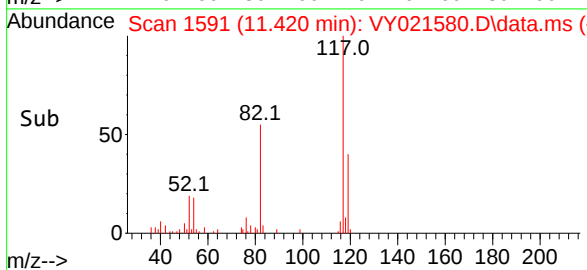
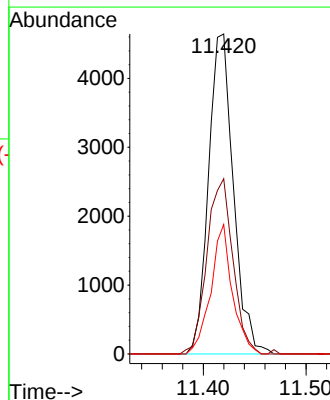
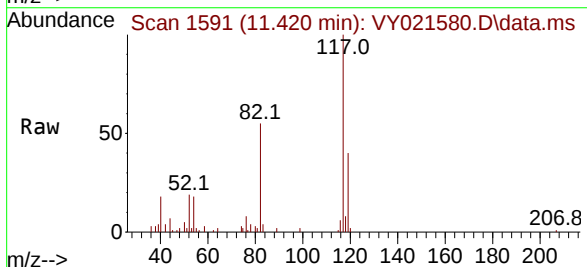
Instrument :
MSVOA_Y
ClientSampleId :
RT4534

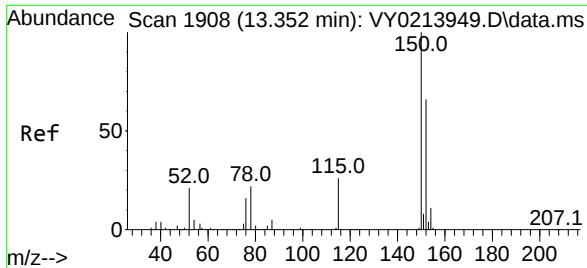
Tgt Ion:	95	Resp:	2094
Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	165.0
176	70.0	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021580.D
Acq: 20 Mar 2025 14:24

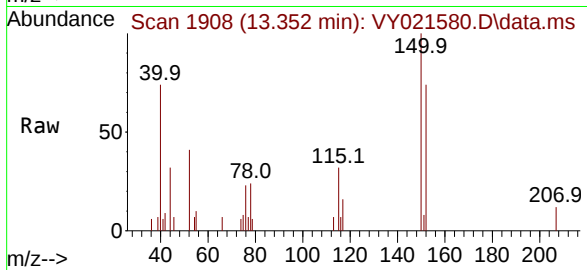
Tgt Ion:	117	Resp:	7821
Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	40.5	25.4	38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VY021580.D
 Acq: 20 Mar 2025 14:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4534



Tgt Ion:	152	Resp:	1092
Ion Ratio	Lower	Upper	
152	100		
115	68.4	29.0	87.0
150	174.5	0.0	347.2

