

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021596.D
 Acq On : 21 Mar 2025 13:52
 Operator : SY/MD
 Sample : Q1619-11
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Mar 21 23:11:02 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)

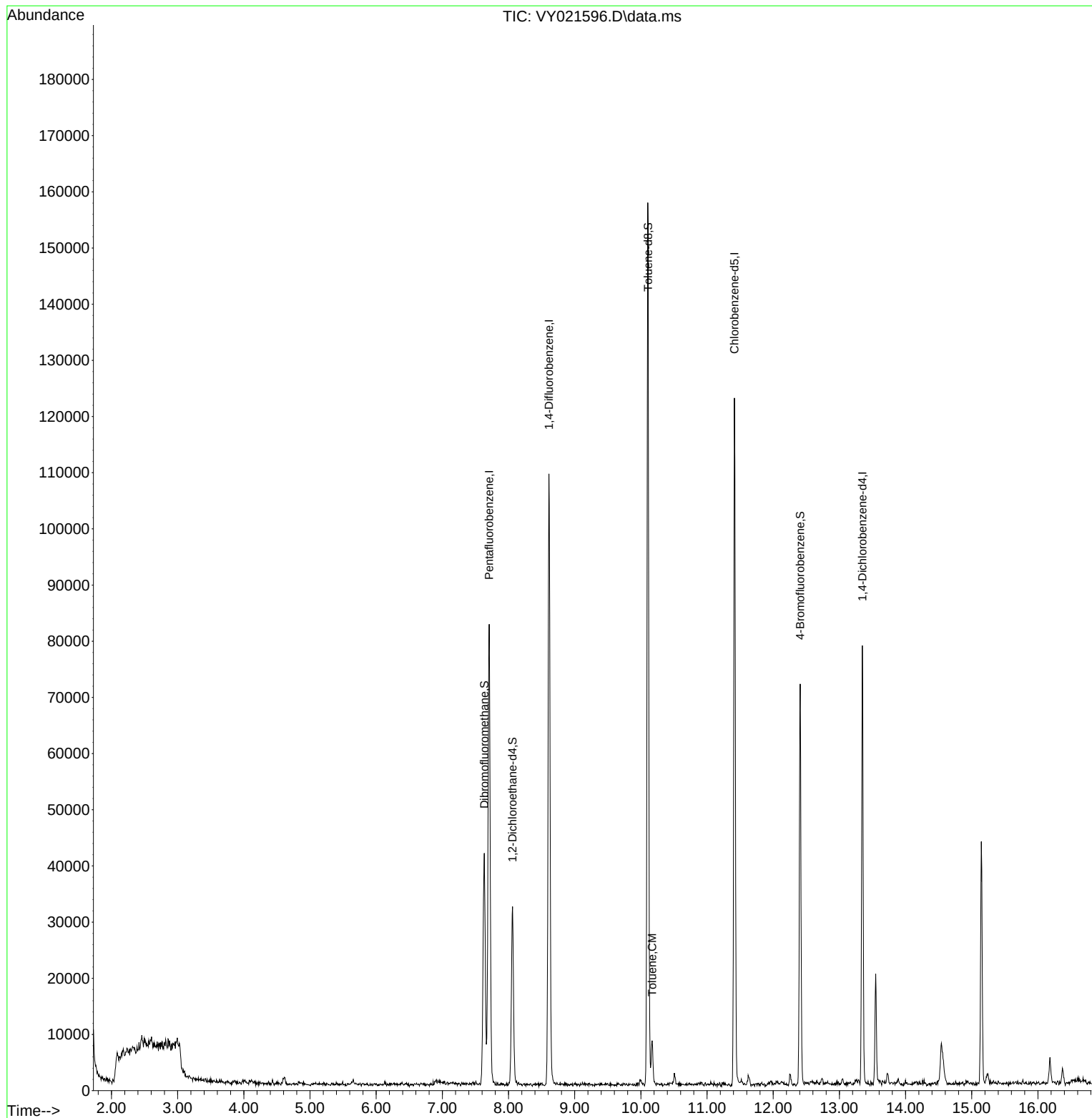
Internal Standards						
1) Pentafluorobenzene	7.707	168	59916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	89720	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	64224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	19200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25495	40.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.520%
35) Dibromofluoromethane	7.634	113	28196	47.811	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.620%
50) Toluene-d8	10.109	98	100542	45.026	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.060%
62) 4-Bromofluorobenzene	12.408	95	21168	27.869	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.740%
Target Compounds						
52) Toluene	10.170	92	2876	1.678	ug/l	Qvalue 94

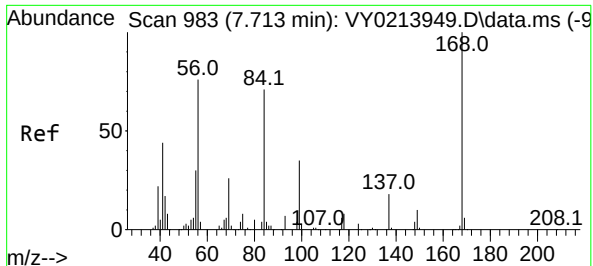
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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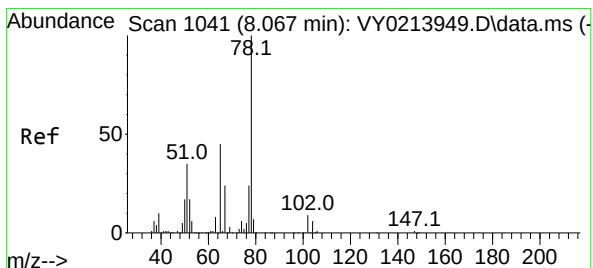
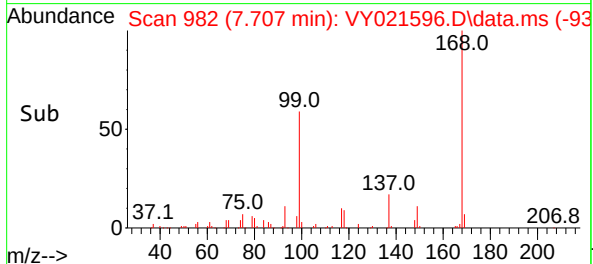
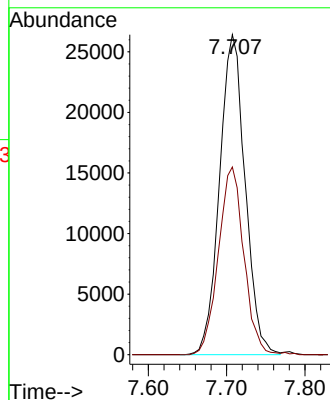
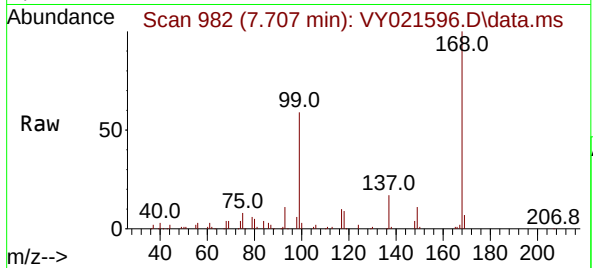




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

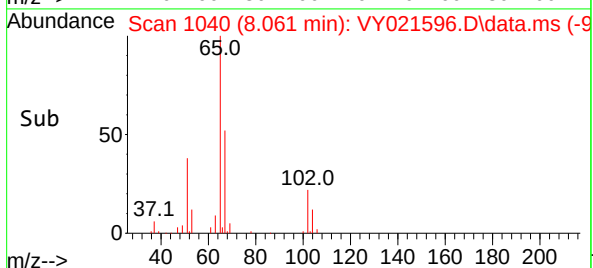
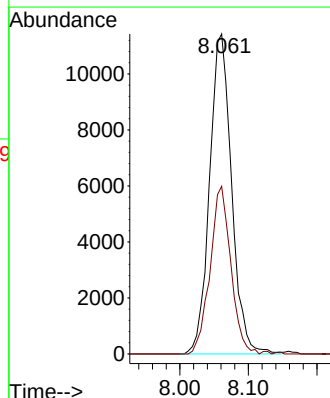
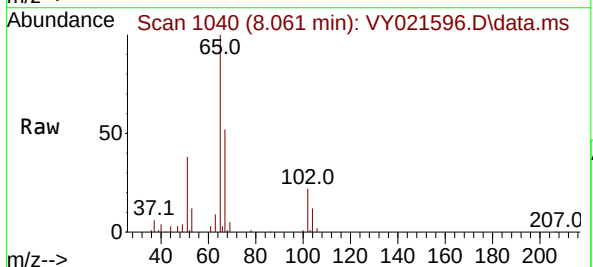
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

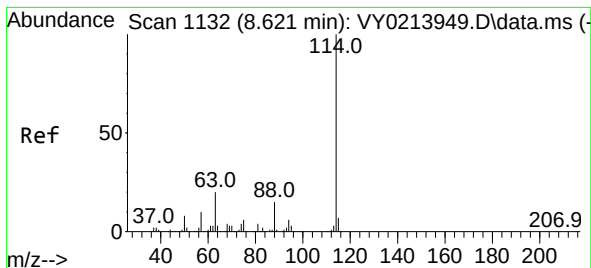
Tgt Ion:168 Resp: 59916
Ion Ratio Lower Upper
168 100
99 58.7 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 40.259 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 65 Resp: 25495
Ion Ratio Lower Upper
65 100
67 49.3 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

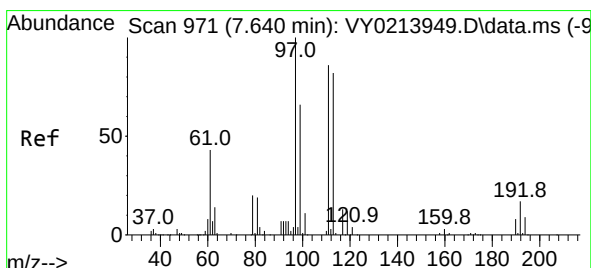
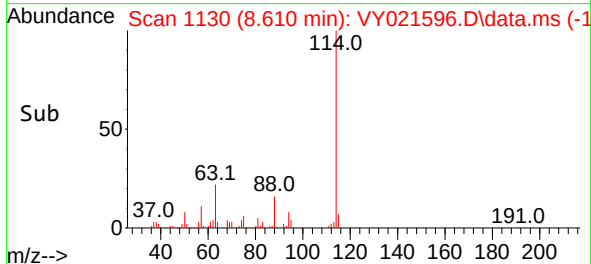
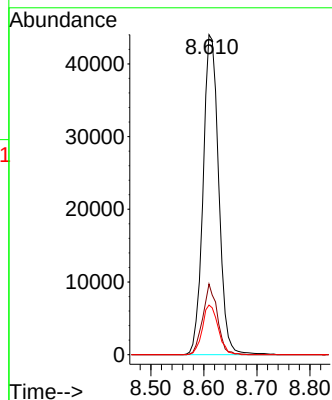
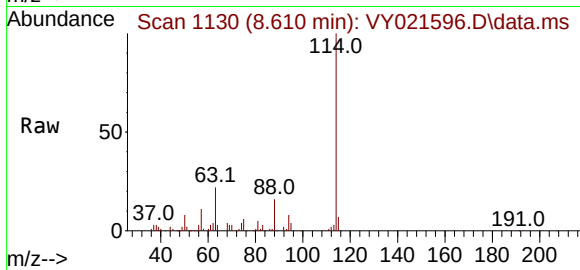
Tgt Ion:114 Resp: 89720

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.8

88 15.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 47.811 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

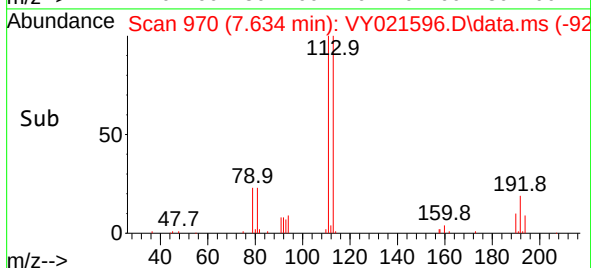
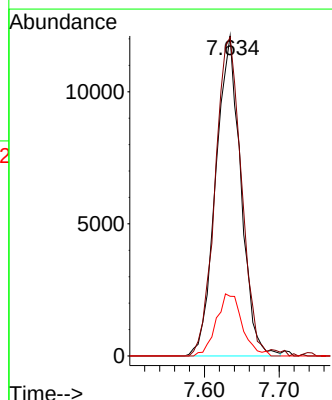
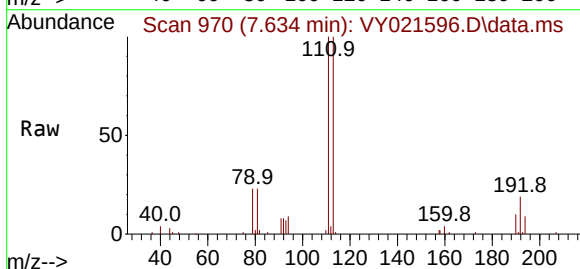
Tgt Ion:113 Resp: 28196

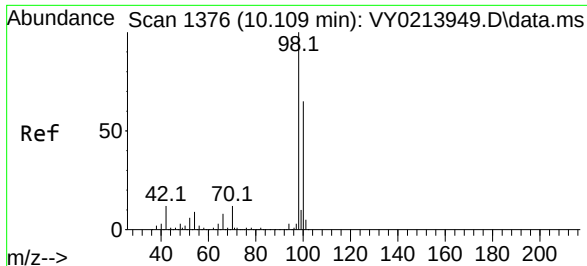
Ion Ratio Lower Upper

113 100

111 105.3 82.0 123.0

192 20.1 15.9 23.9

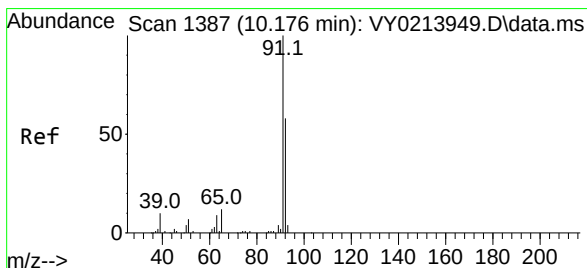
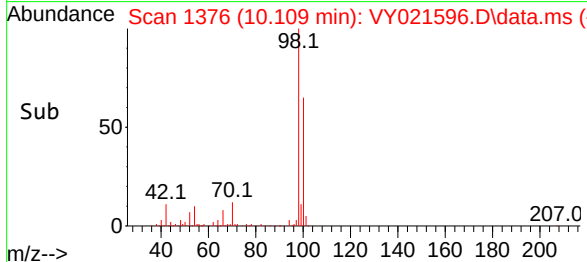
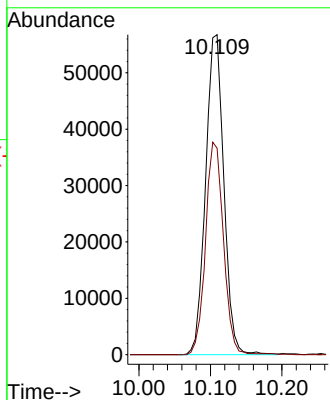
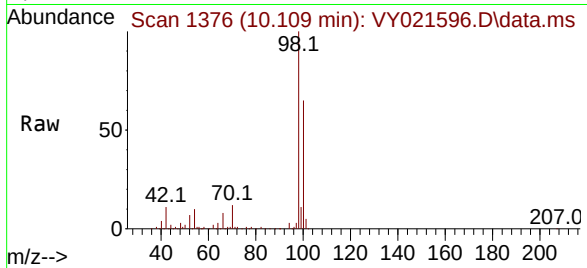




#50
Toluene-d8
Concen: 45.026 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

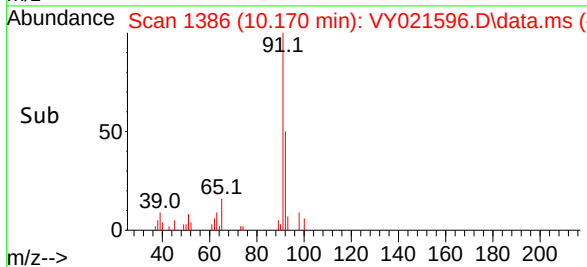
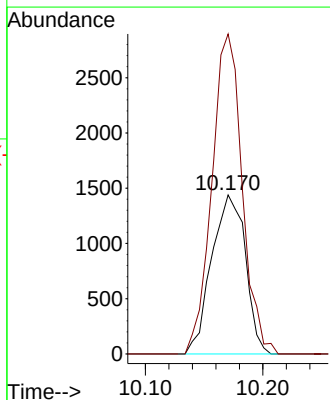
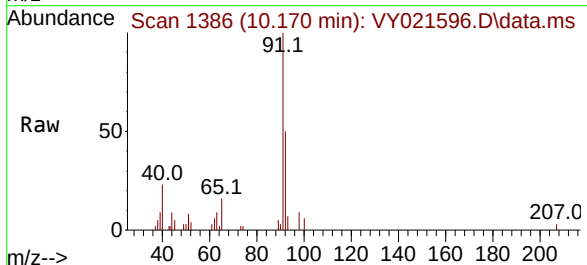
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

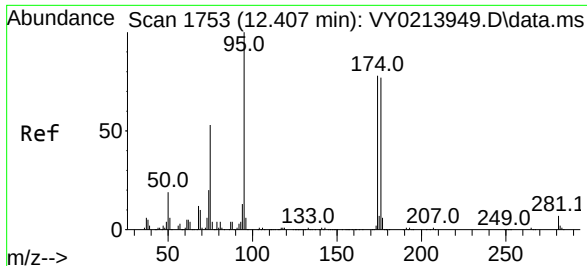
Tgt Ion: 98 Resp: 100542
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#52
Toluene
Concen: 1.678 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021596.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 92 Resp: 2876
Ion Ratio Lower Upper
92 100
91 180.6 138.2 207.2





#62

4-Bromofluorobenzene

Concen: 27.869 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021596.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

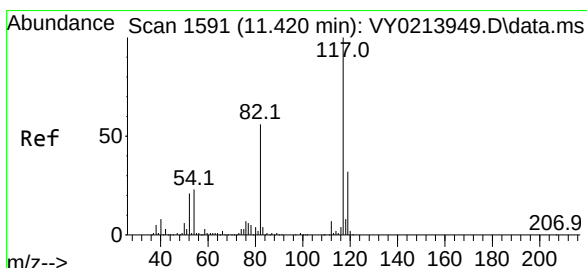
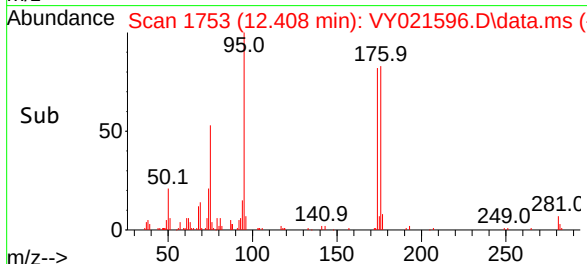
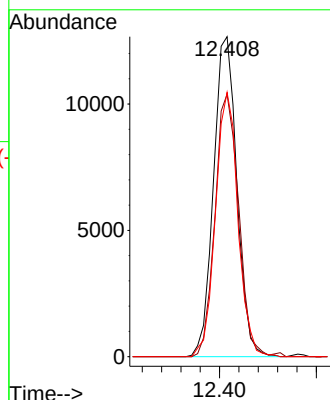
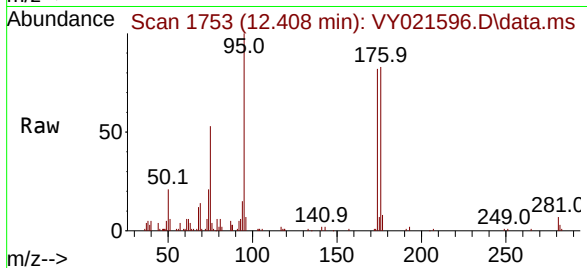
Tgt Ion: 95 Resp: 21168

Ion Ratio Lower Upper

95 100

174 83.4 0.0 165.0

176 79.7 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: VY021596.D

Acq: 21 Mar 2025 13:52

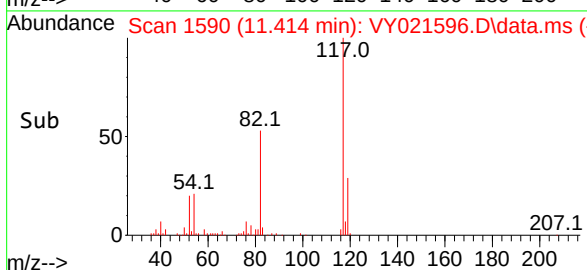
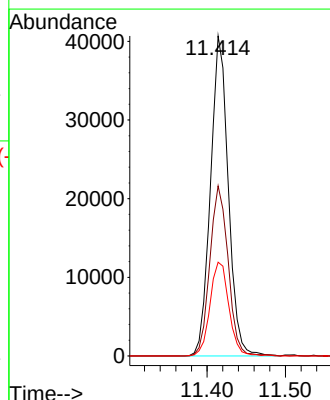
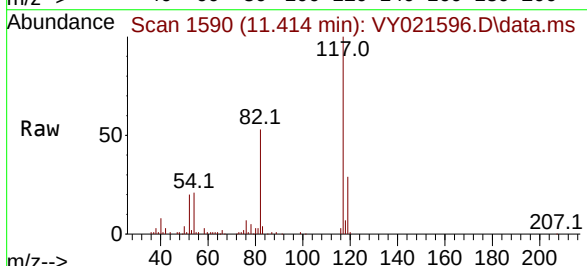
Tgt Ion: 117 Resp: 64224

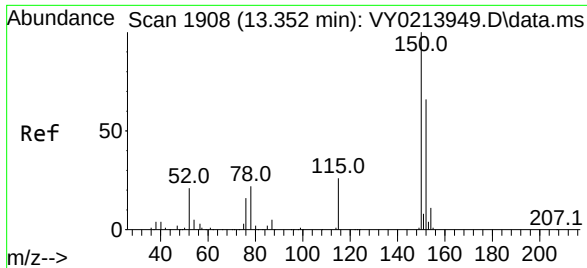
Ion Ratio Lower Upper

117 100

82 53.1 44.6 67.0

119 29.3 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: VY021596.D

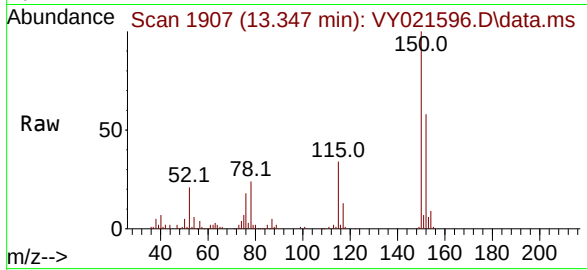
Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4



Tgt Ion:152 Resp: 19200

Ion Ratio Lower Upper

152 100

115 57.6 29.0 87.0

150 156.5 0.0 347.2

