

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021677.D
 Acq On : 27 Mar 2025 19:19
 Operator : SY/MD
 Sample : Q1648-05
 Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Mar 28 04:05:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	218088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	397479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163298	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145128	61.419	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.840%
35) Dibromofluoromethane	7.634	113	147677	53.116	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.240%
50) Toluene-d8	10.109	98	525670	49.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.408	95	167072	46.699	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.400%

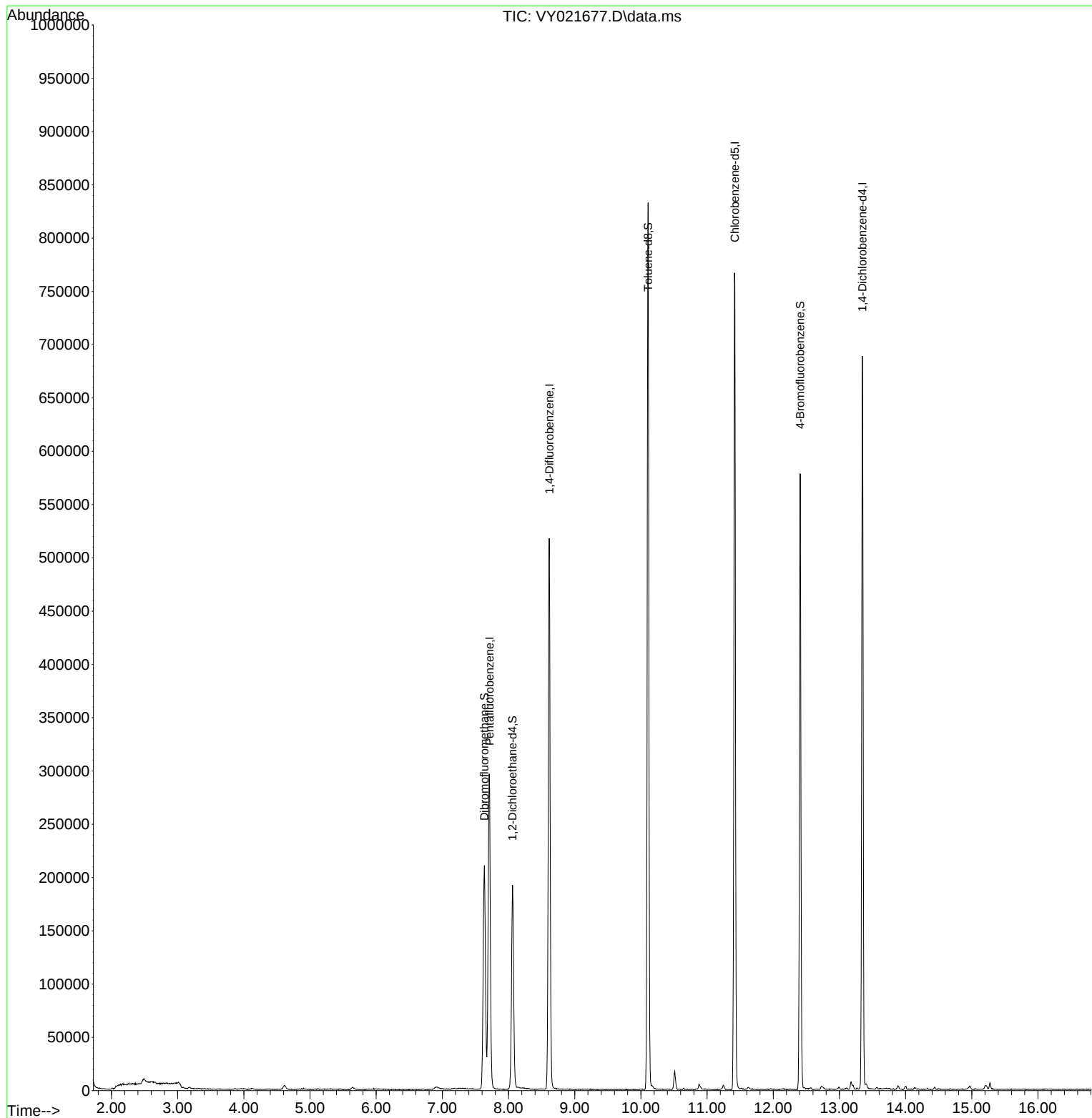
Target Compounds	Qvalue

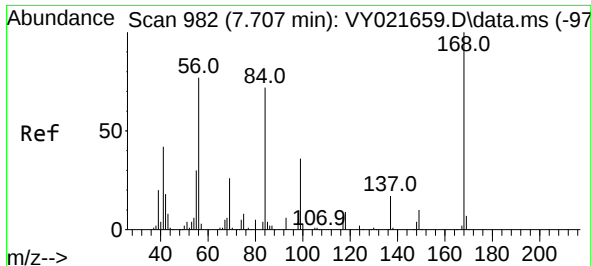
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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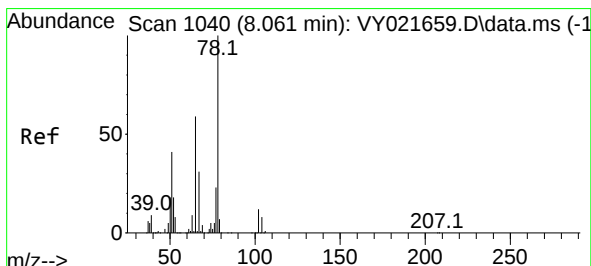
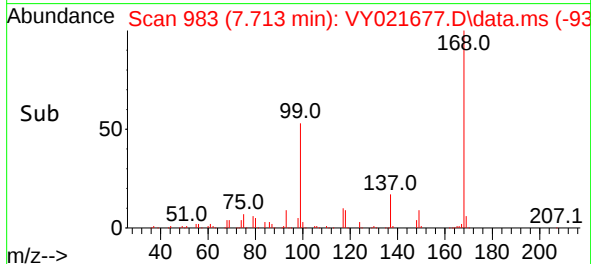
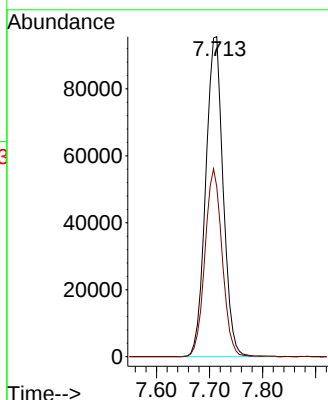
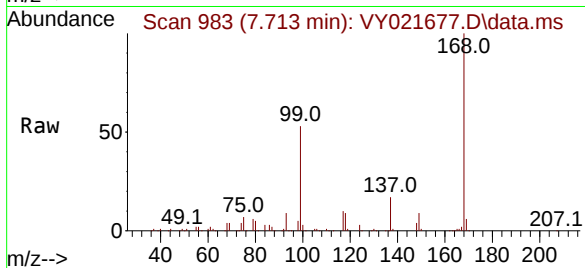




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

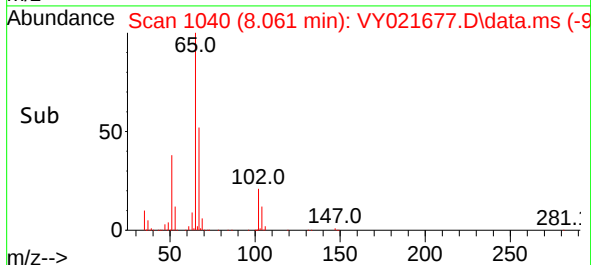
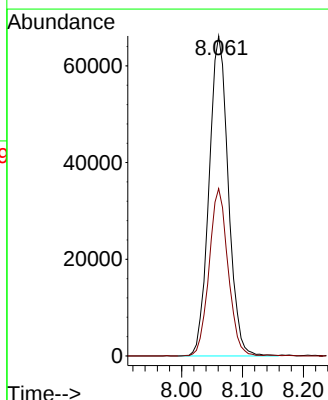
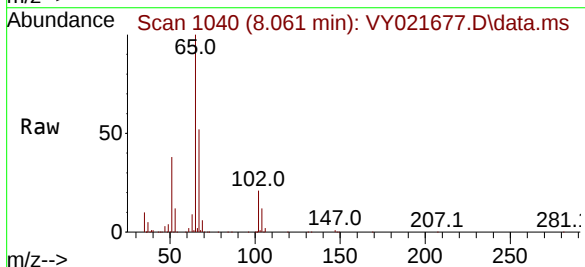
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

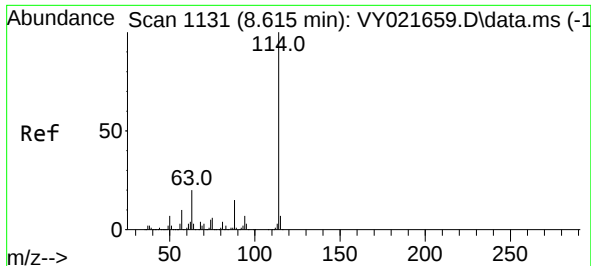
Tgt Ion:168 Resp: 218088
Ion Ratio Lower Upper
168 100
99 53.1 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 61.419 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion: 65 Resp: 145128
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021677.D

Acq: 27 Mar 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

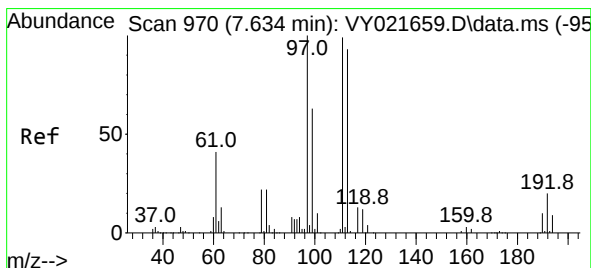
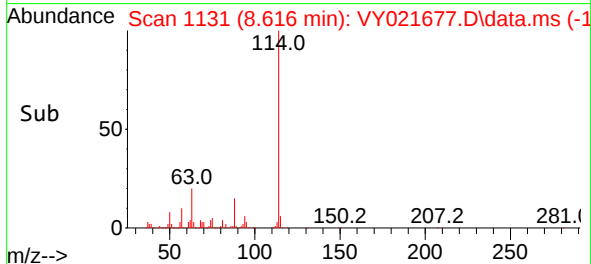
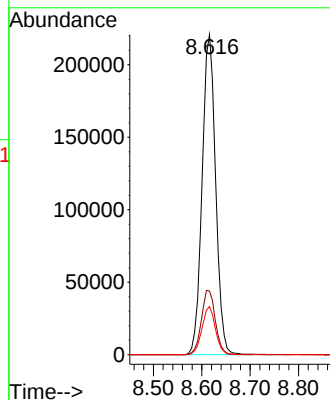
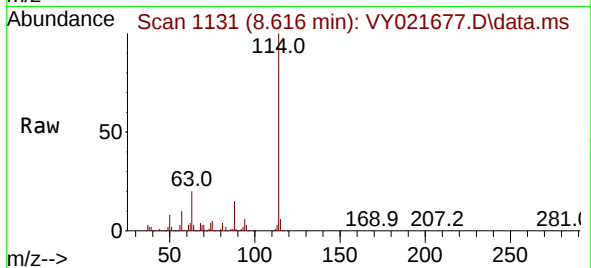
Tgt Ion:114 Resp: 428599

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.116 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021677.D

Acq: 27 Mar 2025 19:19

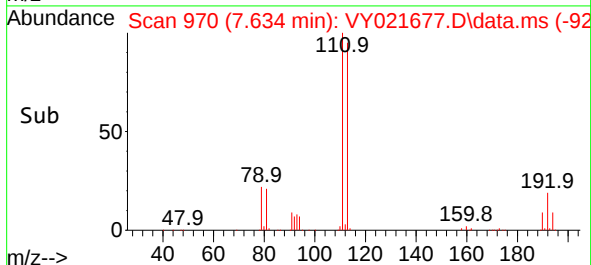
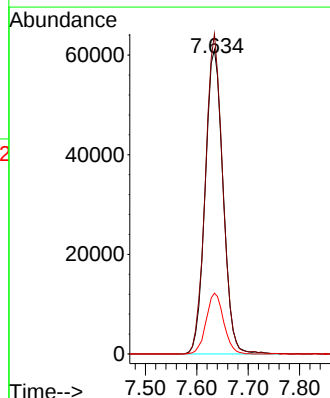
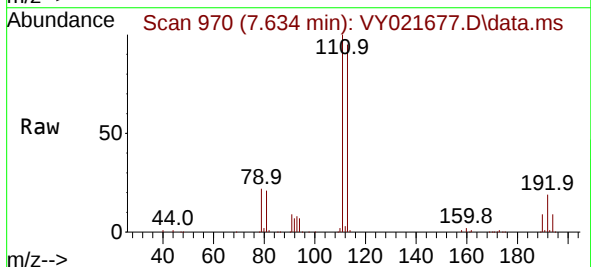
Tgt Ion:113 Resp: 147677

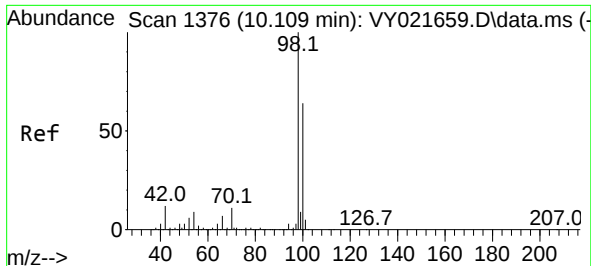
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 19.6 16.2 24.4

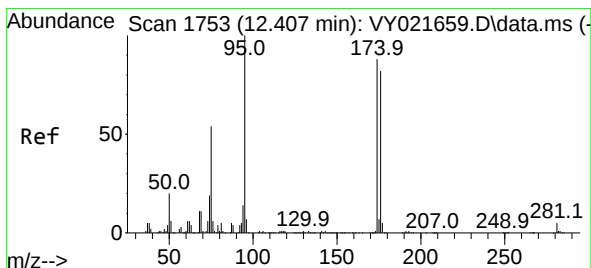
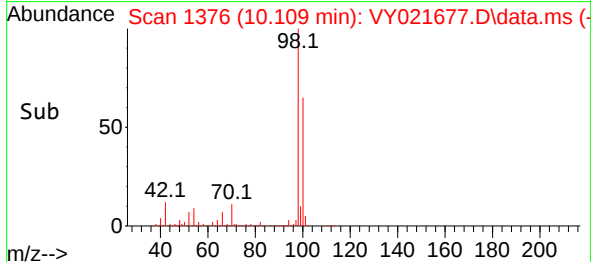
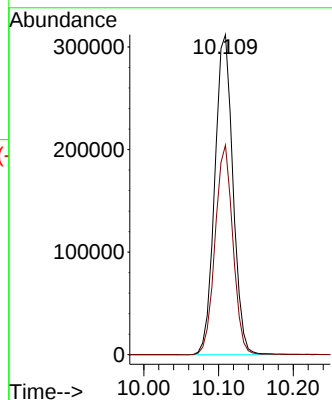
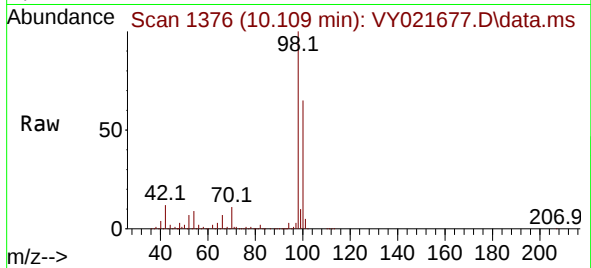




#50
Toluene-d8
Concen: 49.700 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

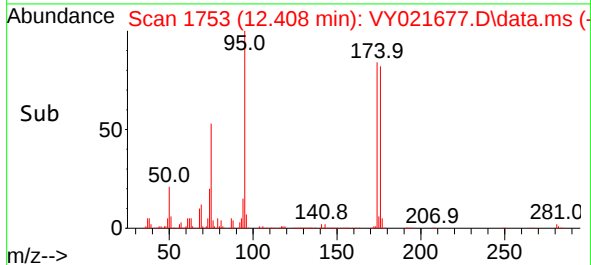
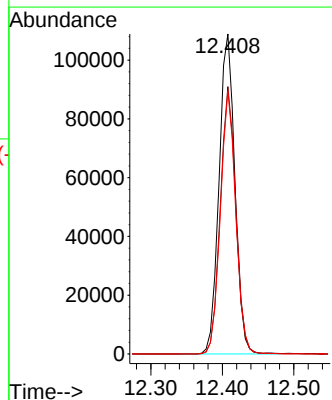
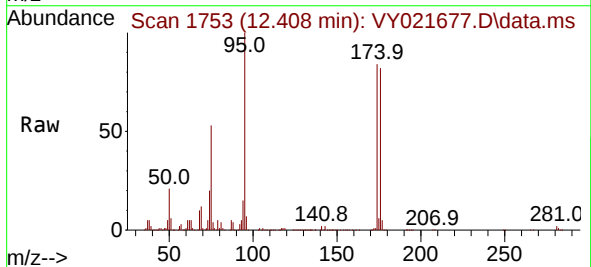
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

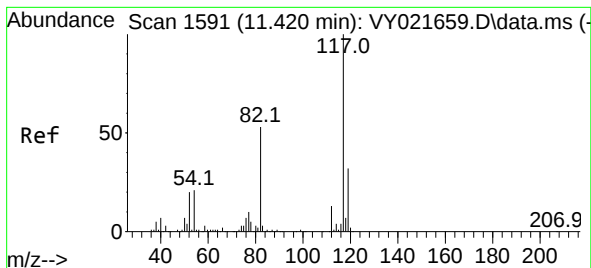
Tgt Ion: 98 Resp: 525670
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.699 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion: 95 Resp: 167072
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 79.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021677.D

Acq: 27 Mar 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

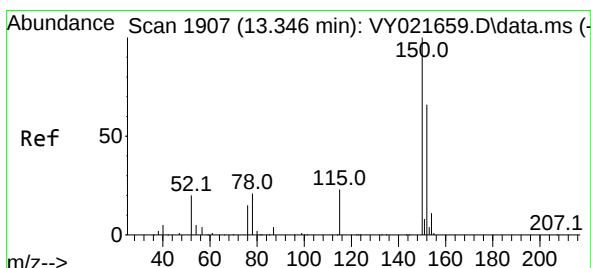
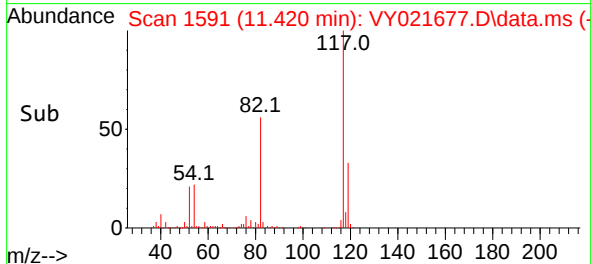
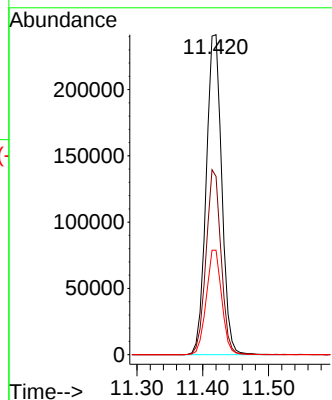
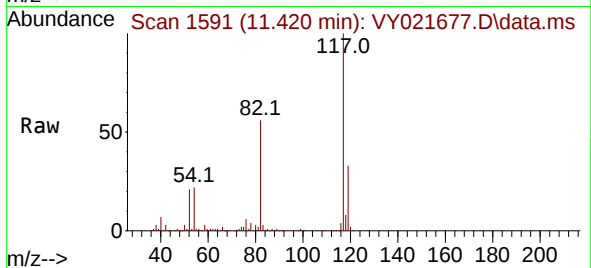
Tgt Ion:117 Resp: 397479

Ion Ratio Lower Upper

117 100

82 55.7 42.8 64.2

119 32.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021677.D

Acq: 27 Mar 2025 19:19

Tgt Ion:152 Resp: 163298

Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 159.0 0.0 348.4

