

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022486.D
 Acq On : 30 May 2025 18:12
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 31 02:31:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	267859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	496699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146402	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151391	53.658	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.320%
35) Dibromofluoromethane	7.634	113	146642	50.413	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.820%
50) Toluene-d8	10.109	98	595215	50.195	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.400%
62) 4-Bromofluorobenzene	12.402	95	152682	42.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.140%

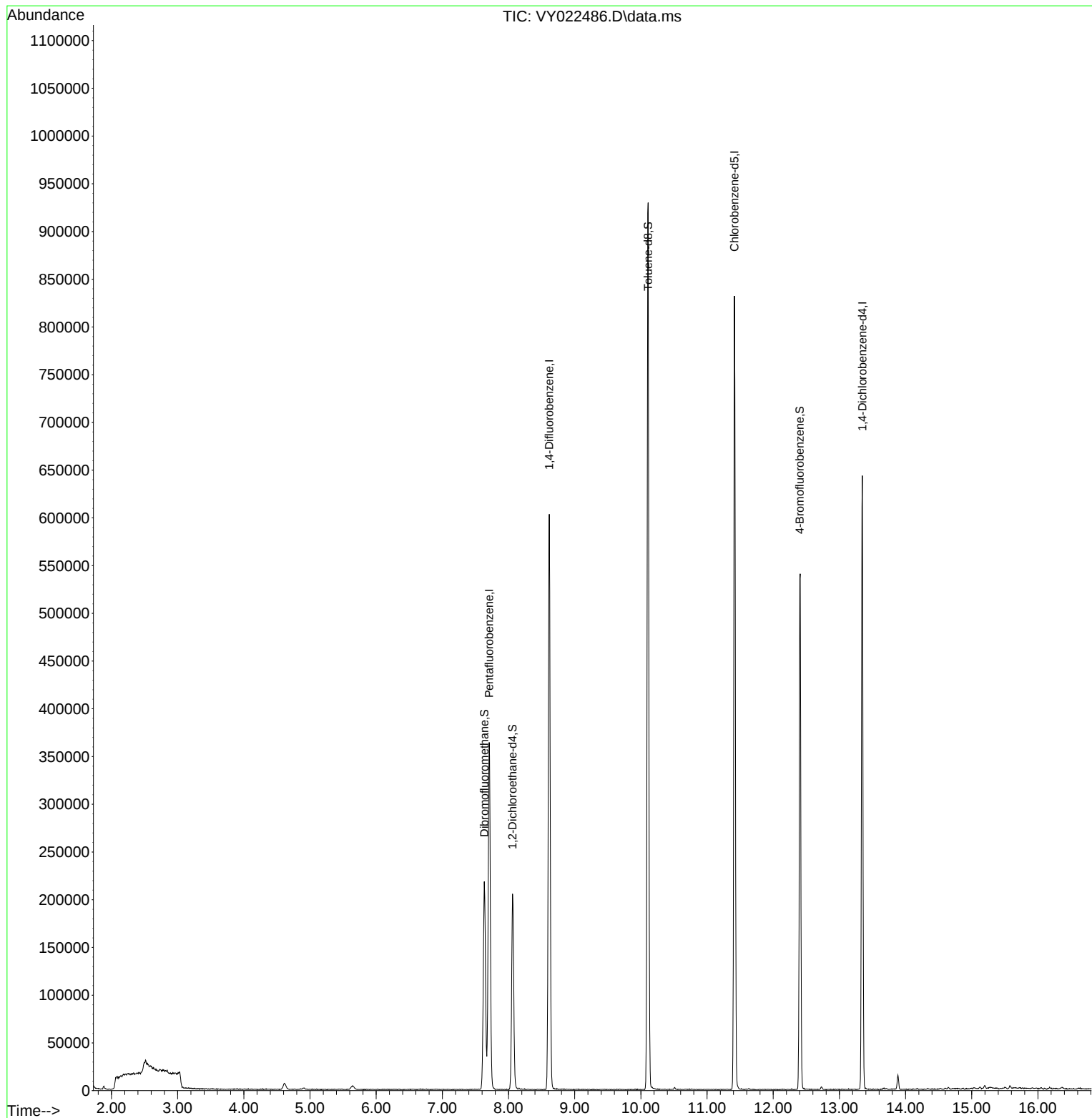
Target Compounds	Qvalue

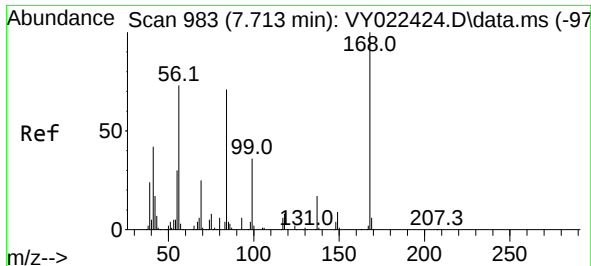
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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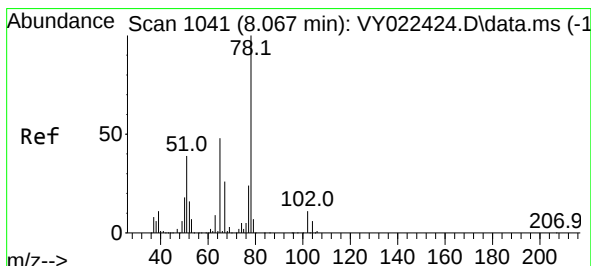
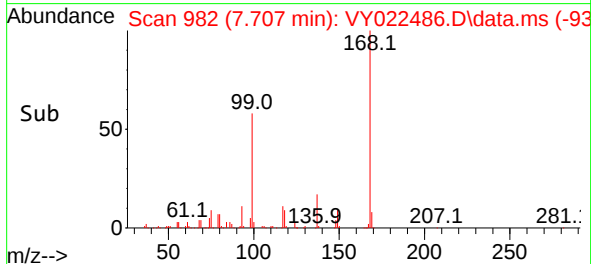
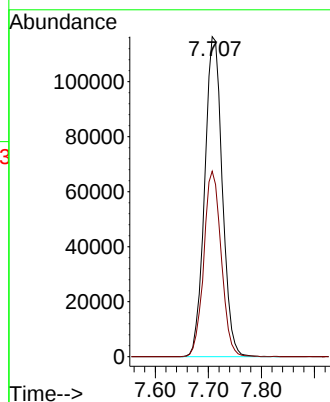
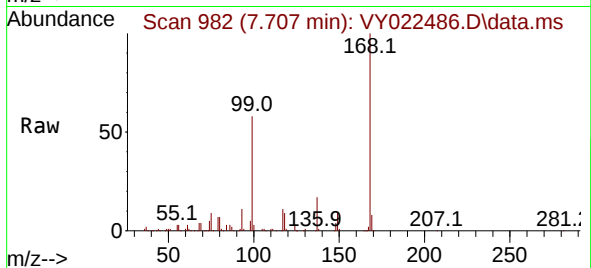




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022486.D
Acq: 30 May 2025 18:12

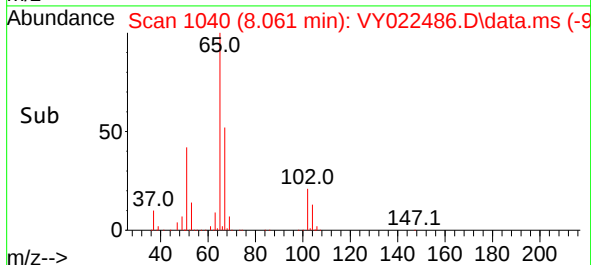
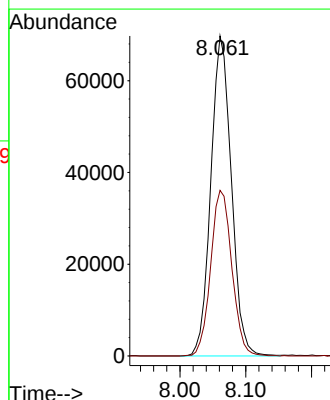
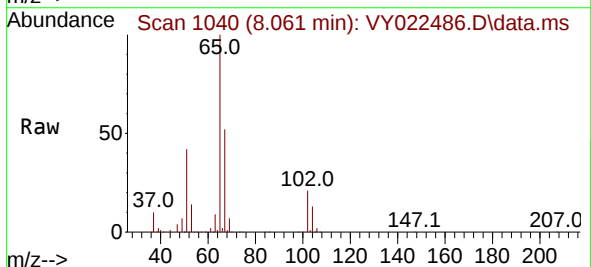
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

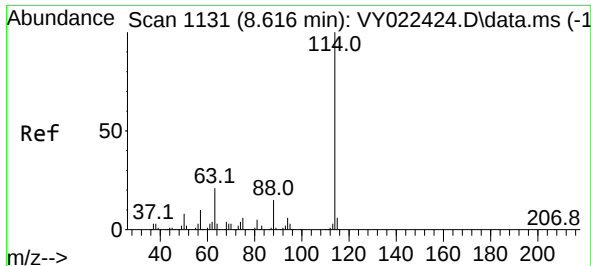
Tgt Ion:168 Resp: 267859
Ion Ratio Lower Upper
168 100
99 57.9 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 53.658 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022486.D
Acq: 30 May 2025 18:12

Tgt Ion: 65 Resp: 151391
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.4

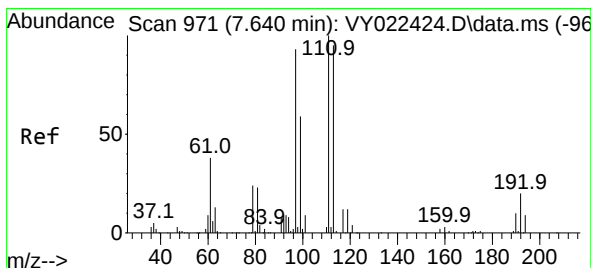
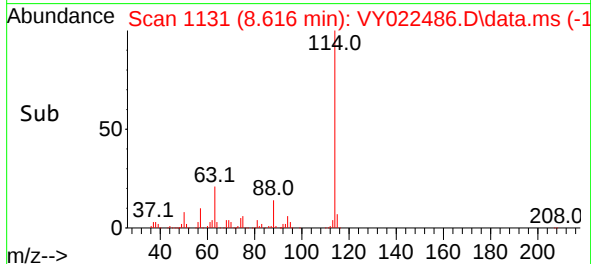
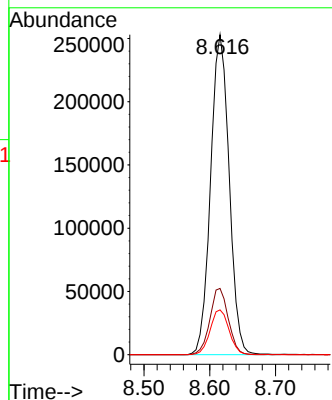
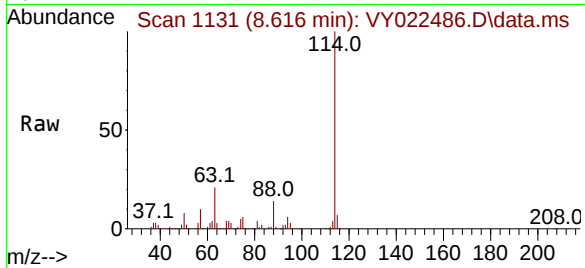




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022486.D
Acq: 30 May 2025 18:12

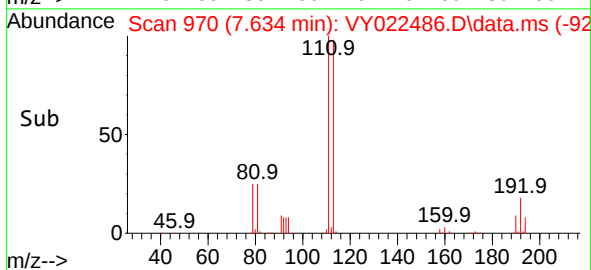
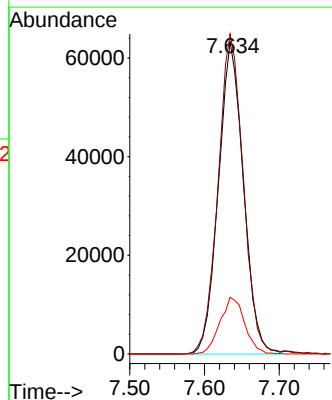
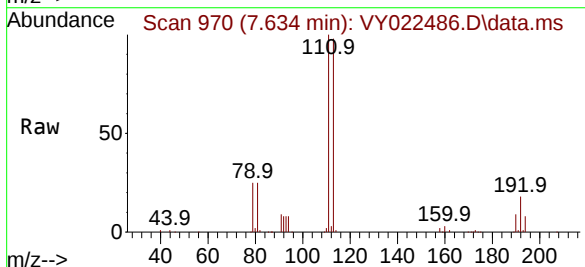
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

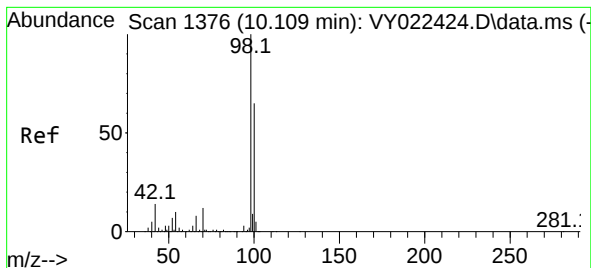
Tgt Ion:114 Resp: 496699
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 14.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.413 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022486.D
Acq: 30 May 2025 18:12

Tgt Ion:113 Resp: 146642
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 18.0 15.2 22.8

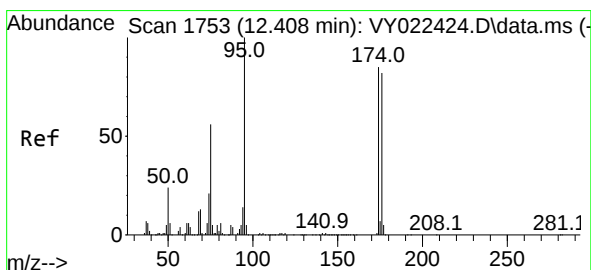
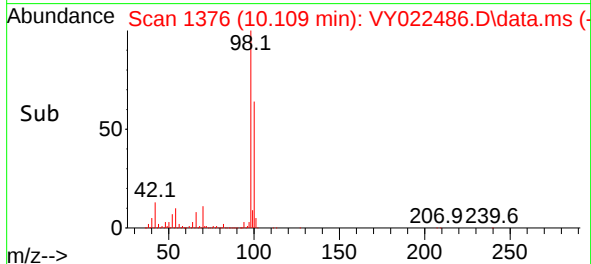
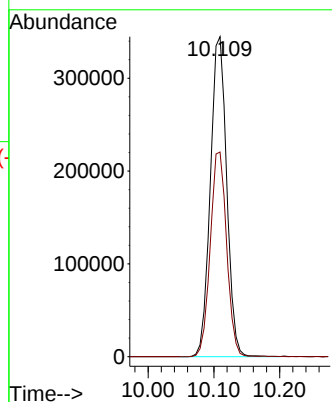
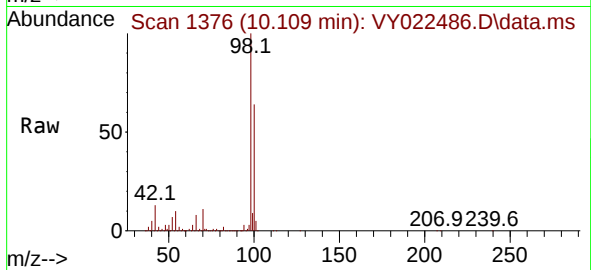




#50
Toluene-d8
Concen: 50.195 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022486.D
Acq: 30 May 2025 18:12

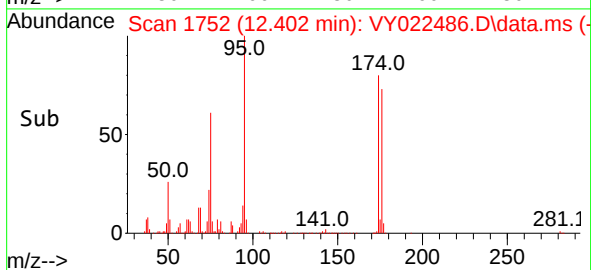
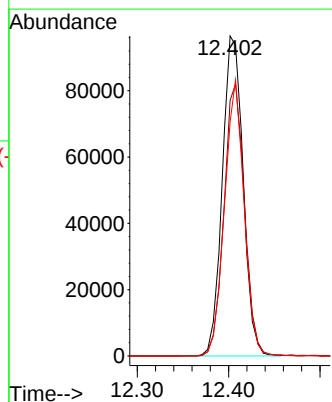
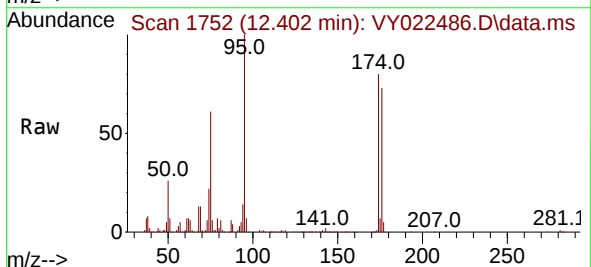
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

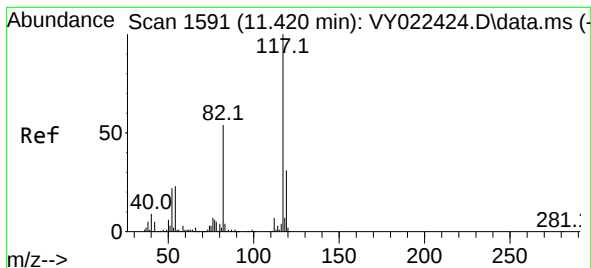
Tgt Ion: 98 Resp: 595215
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.567 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022486.D
Acq: 30 May 2025 18:12

Tgt Ion: 95 Resp: 152682
Ion Ratio Lower Upper
95 100
174 84.2 0.0 171.6
176 81.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022486.D

Acq: 30 May 2025 18:12

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

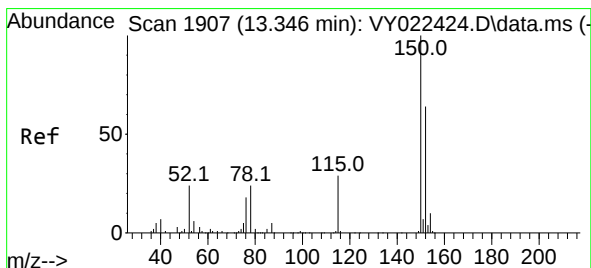
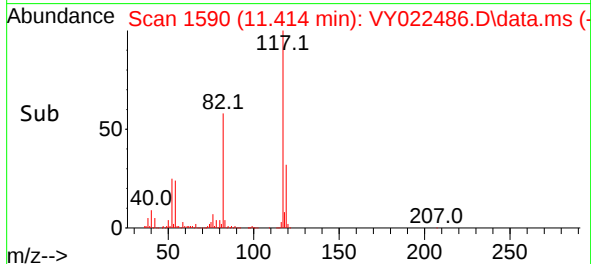
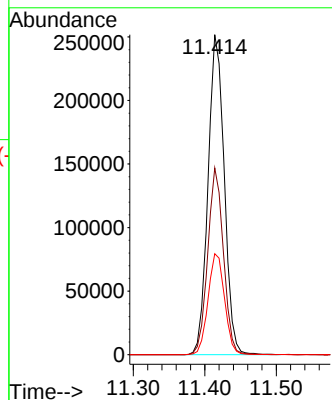
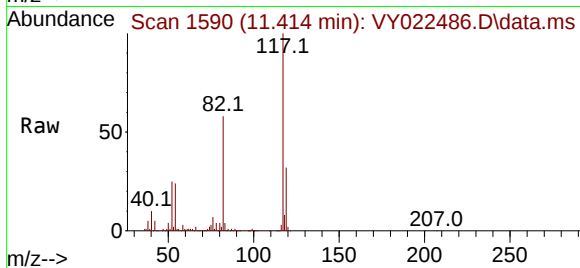
Tgt Ion:117 Resp: 397039

Ion Ratio Lower Upper

117 100

82 58.3 43.3 64.9

119 31.6 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022486.D

Acq: 30 May 2025 18:12

Tgt Ion:152 Resp: 146402

Ion Ratio Lower Upper

152 100

115 58.6 28.4 85.3

150 158.4 0.0 345.8

