

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022497.D
 Acq On : 02 Jun 2025 14:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 03 03:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	319398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	575456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	470560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179001	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	196981	55.141	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.280%
35) Dibromofluoromethane	7.640	113	178693	52.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.040%
50) Toluene-d8	10.109	98	695092	50.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.160%
62) 4-Bromofluorobenzene	12.407	95	183570	44.393	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.780%

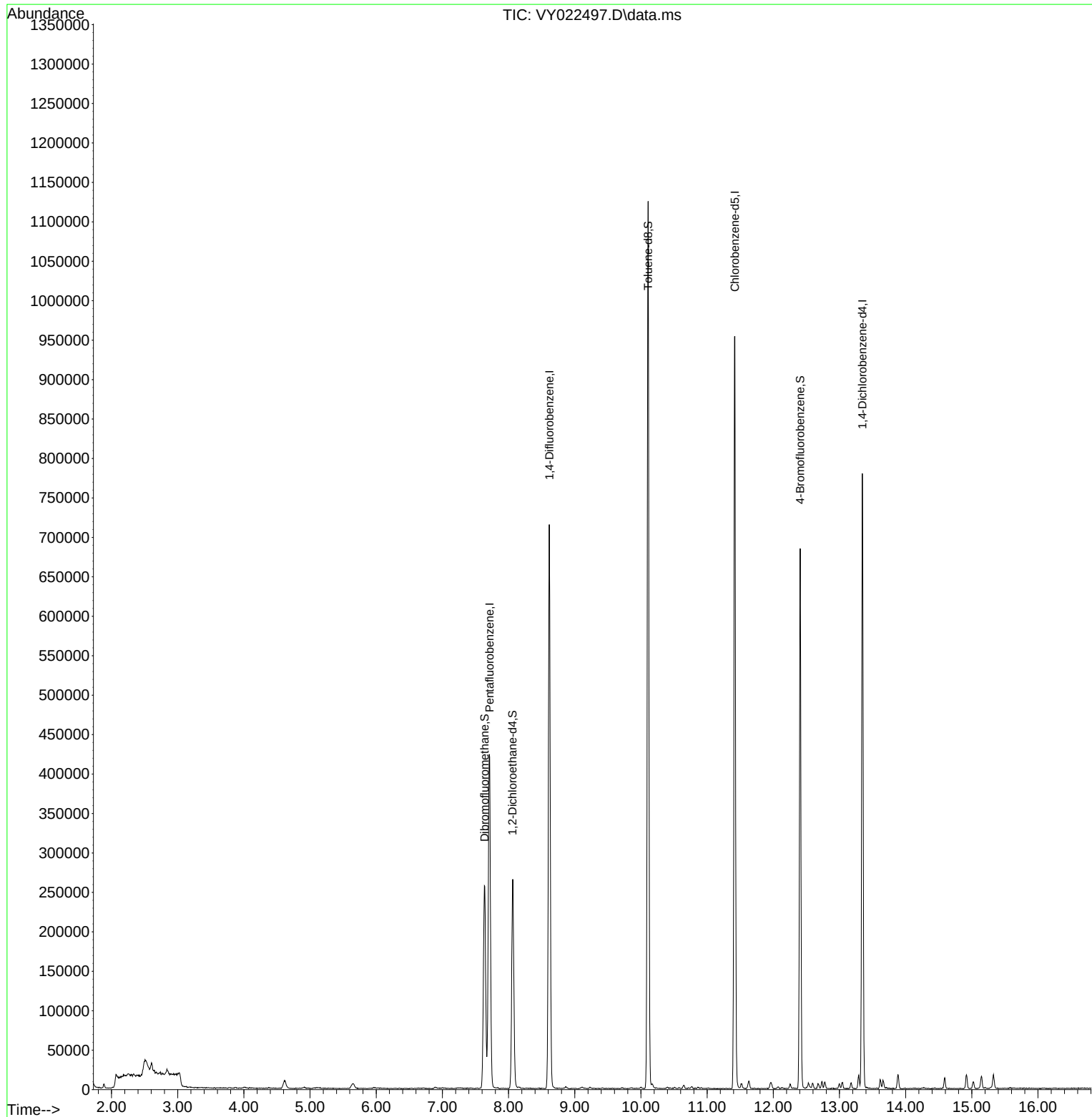
Target Compounds	Qvalue

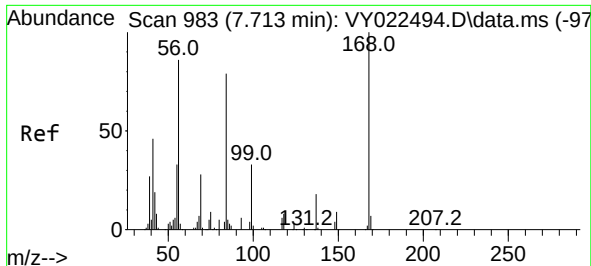
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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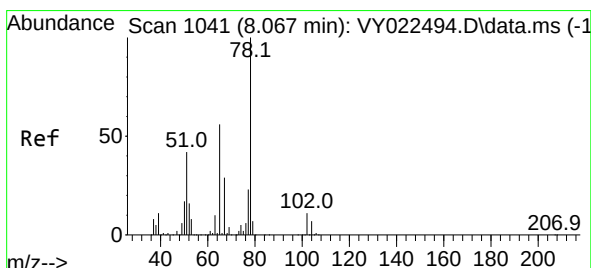
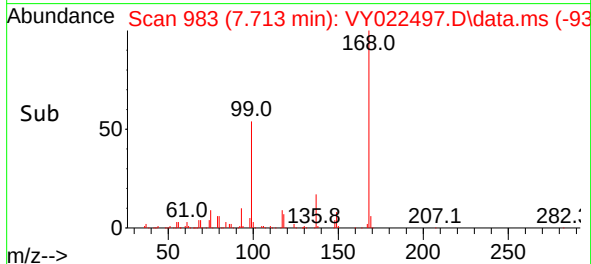
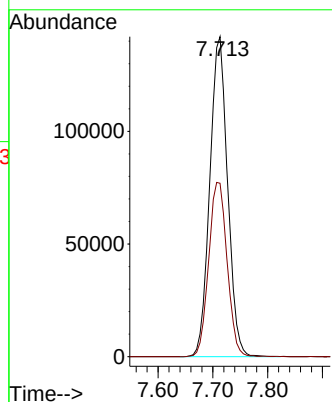
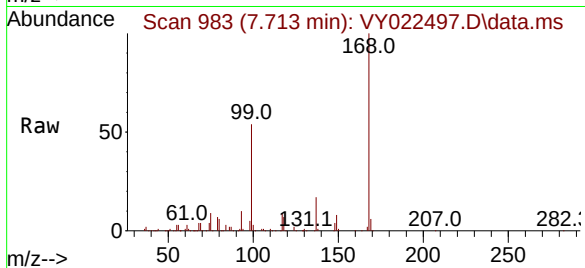




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

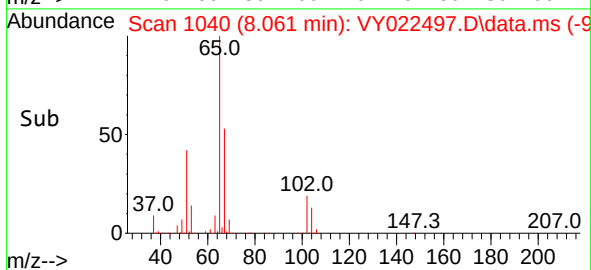
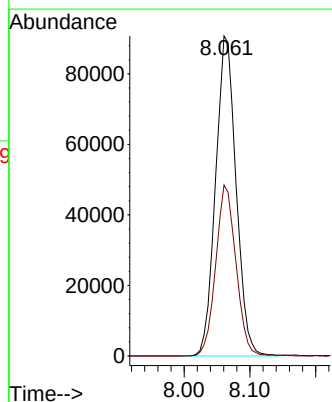
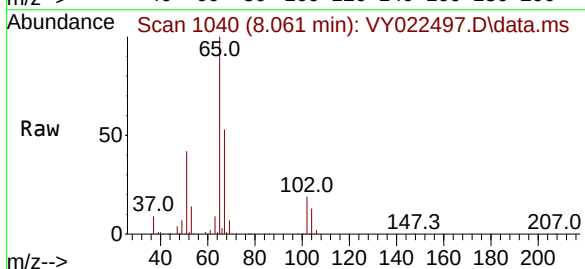
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

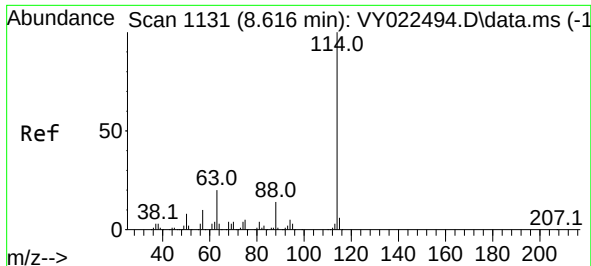
Tgt Ion:168 Resp: 319398
Ion Ratio Lower Upper
168 100
99 54.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 55.141 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion: 65 Resp: 196981
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

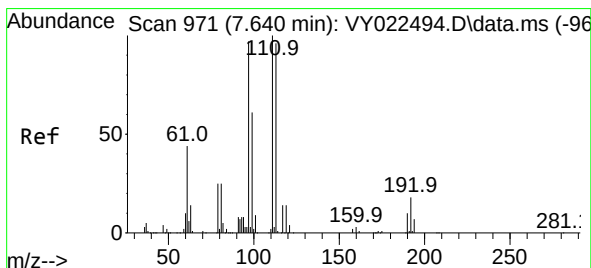
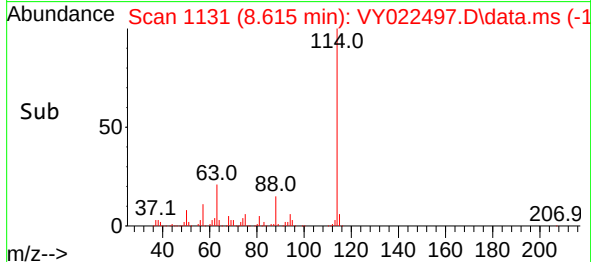
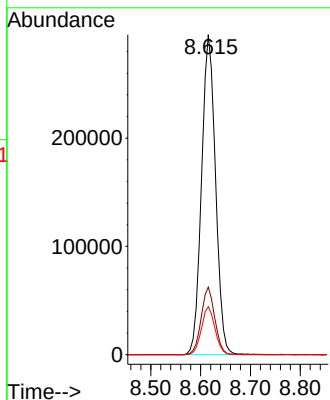
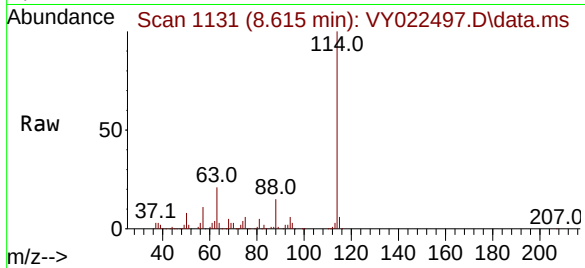




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

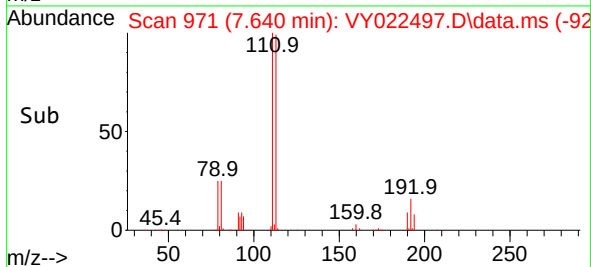
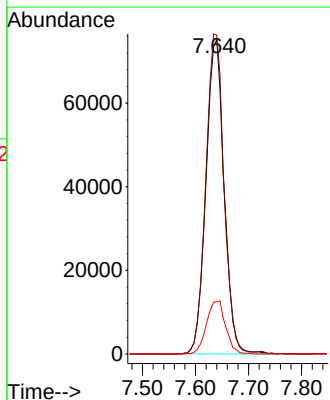
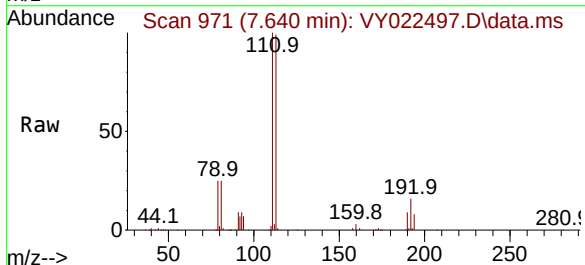
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

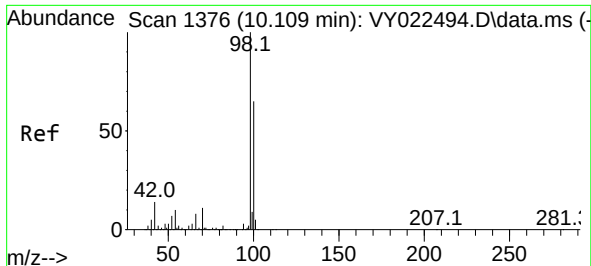
Tgt Ion:114 Resp: 575456
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.025 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion:113 Resp: 178693
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 17.7 14.2 21.2

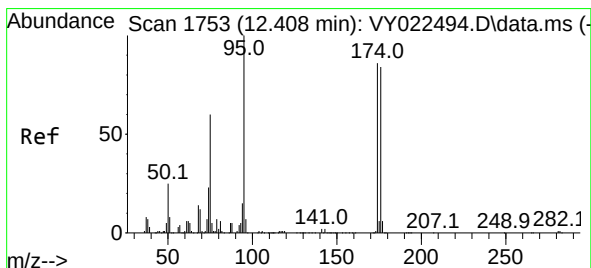
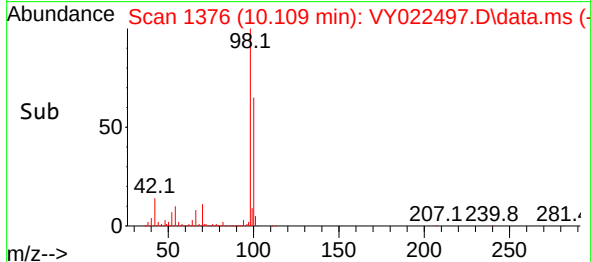
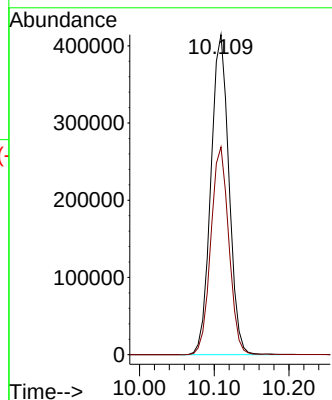
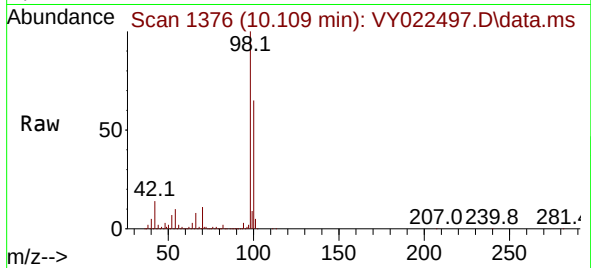




#50
Toluene-d8
Concen: 50.083 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

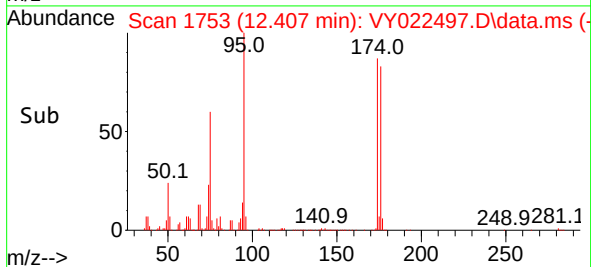
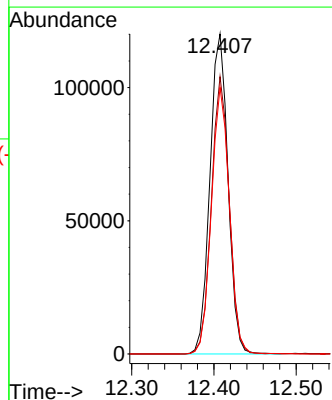
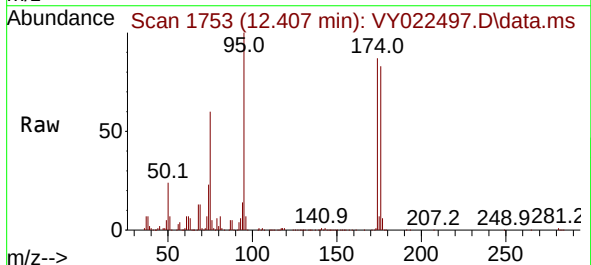
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

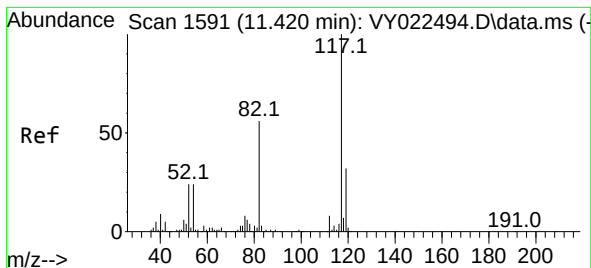
Tgt Ion: 98 Resp: 695092
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.393 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022497.D
Acq: 02 Jun 2025 14:03

Tgt Ion: 95 Resp: 183570
Ion Ratio Lower Upper
95 100
174 85.7 0.0 170.0
176 82.8 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

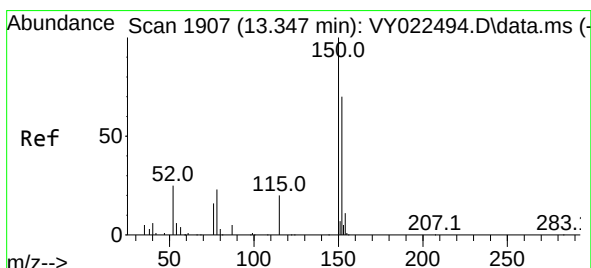
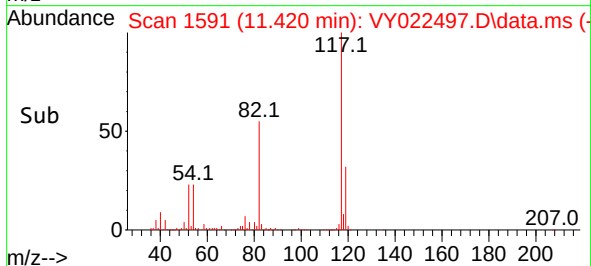
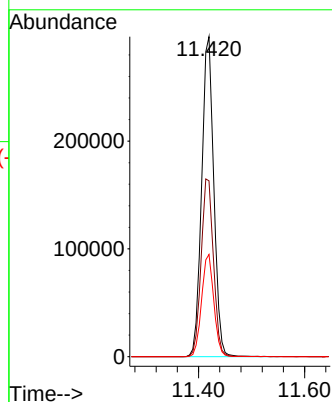
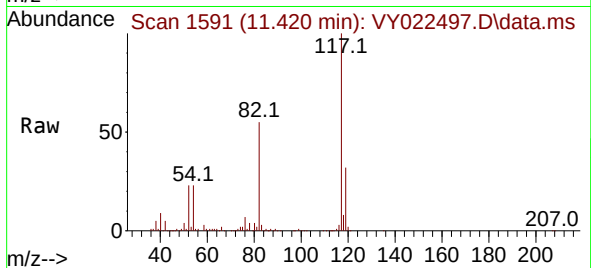
Tgt Ion:117 Resp: 470560

Ion Ratio Lower Upper

117 100

82 54.9 44.6 66.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022497.D

Acq: 02 Jun 2025 14:03

Tgt Ion:152 Resp: 179001

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

150 155.5 0.0 349.6

