

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022441.D
 Acq On : 28 May 2025 09:55
 Operator : SY/MD
 Sample : VY0528SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0528SBL01

Quant Time: May 29 01:51:23 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	7.713	168	328093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	588956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	468410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	164648	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	183828	53.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.380%
35) Dibromofluoromethane	7.634	113	177713	51.524	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.040%
50) Toluene-d8	10.109	98	704513	50.106	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.408	95	176928	41.600	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.200%

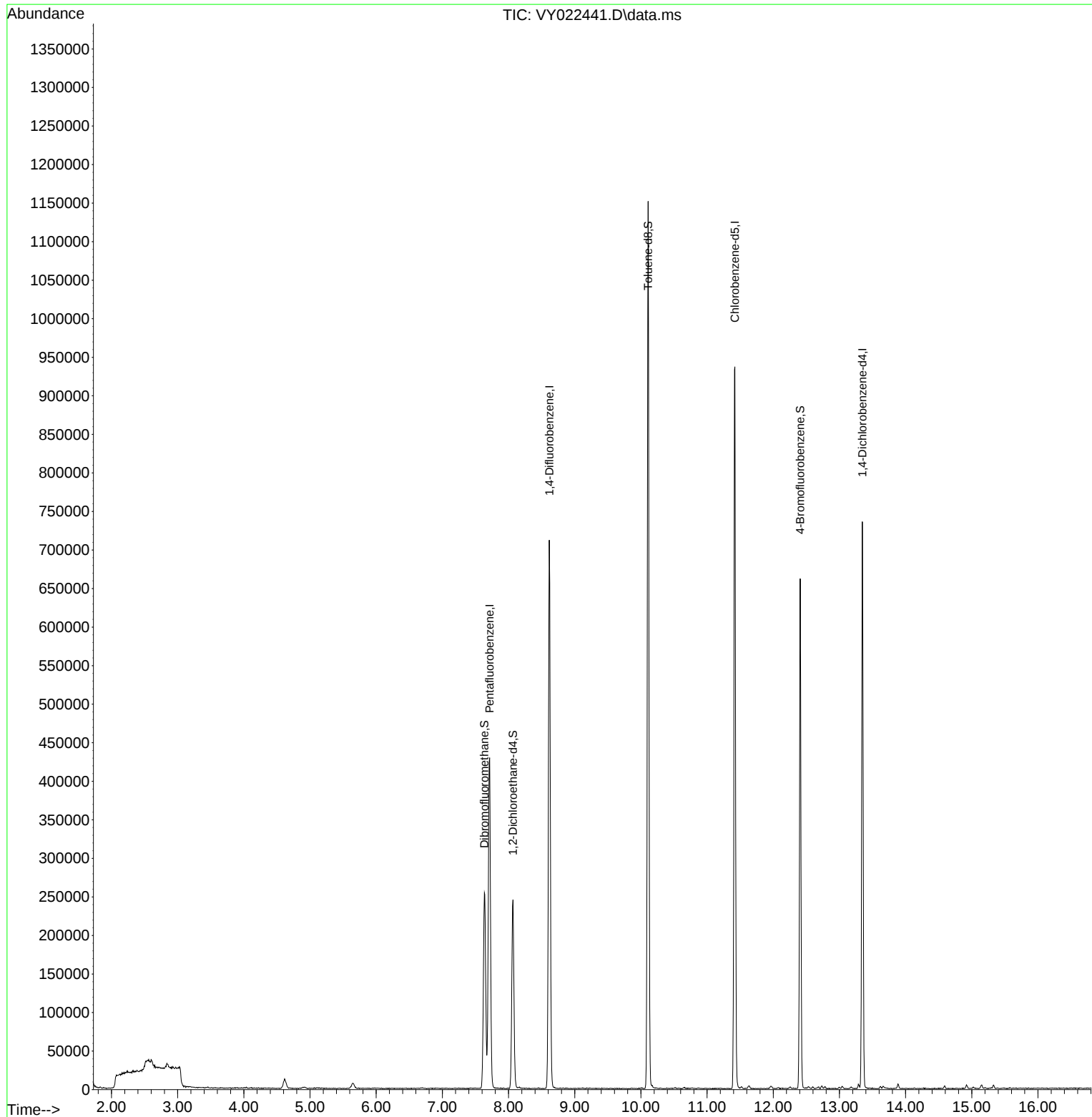
Target Compounds	Qvalue

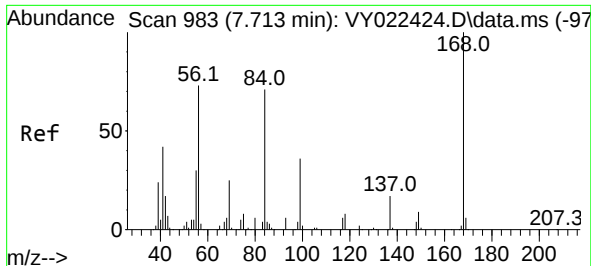
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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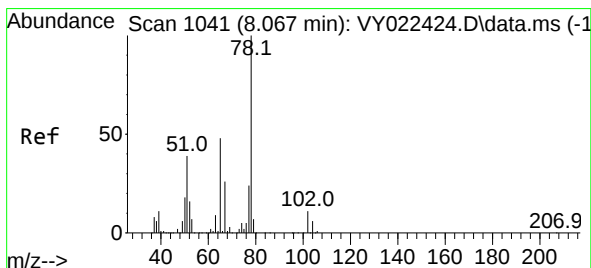
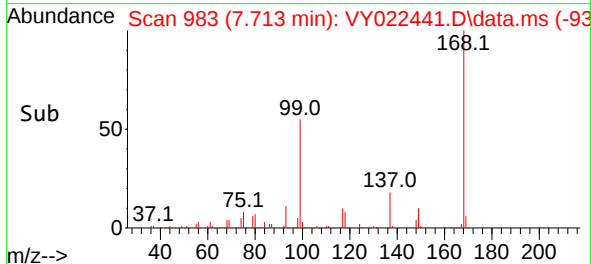
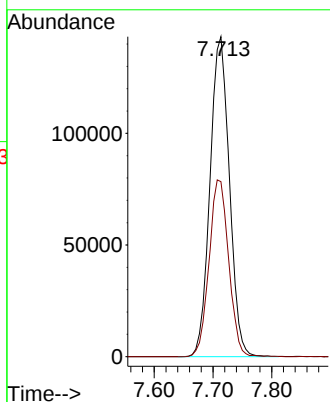
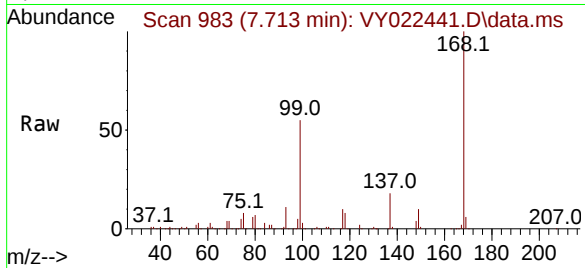




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022441.D
Acq: 28 May 2025 09:55

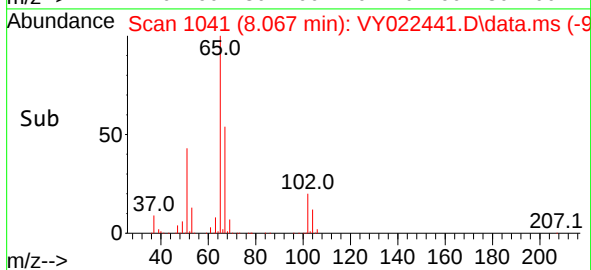
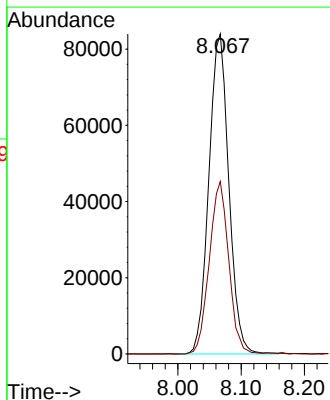
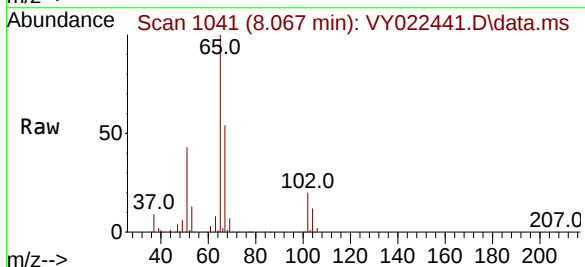
Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBL01

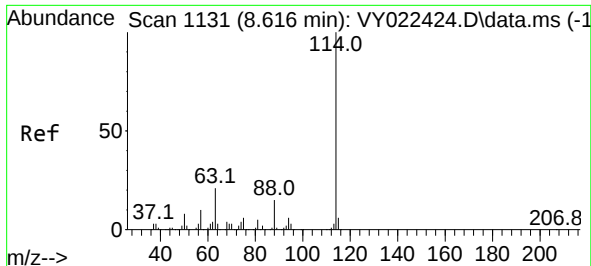
Tgt Ion:168 Resp: 328093
Ion Ratio Lower Upper
168 100
99 54.7 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 53.194 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022441.D
Acq: 28 May 2025 09:55

Tgt Ion: 65 Resp: 183828
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.4

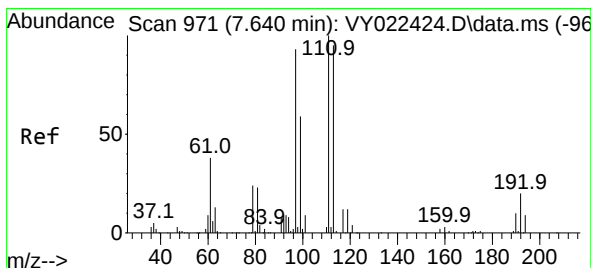
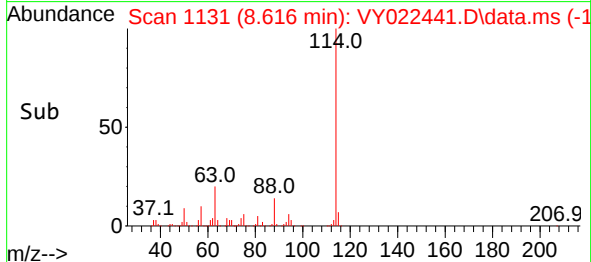
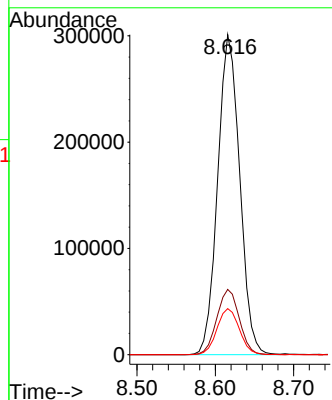
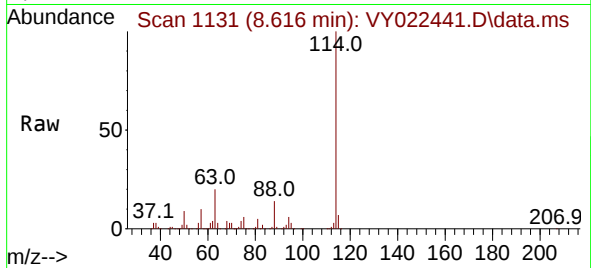




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022441.D
Acq: 28 May 2025 09:55

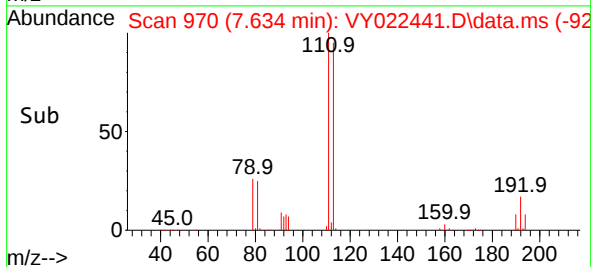
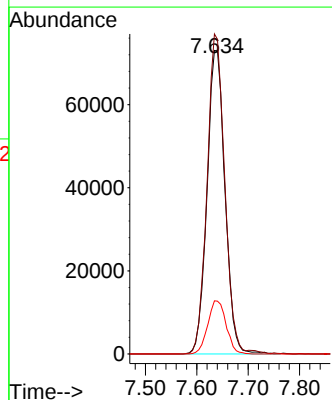
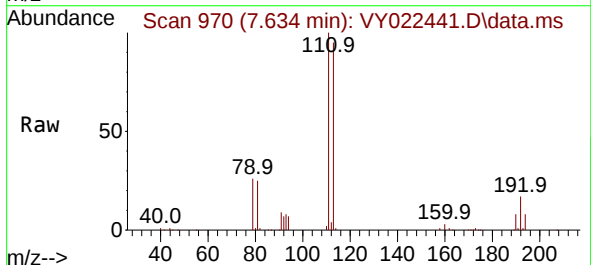
Instrument :
MSVOA_Y
ClientSampleId :
VY0528SBL01

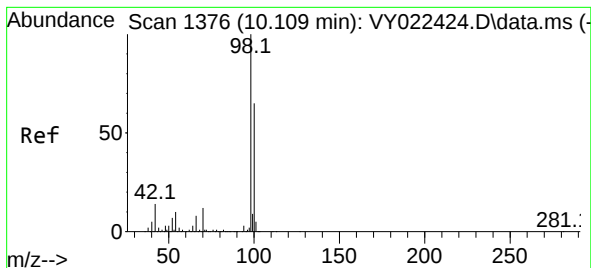
Tgt Ion:114 Resp: 588956
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 14.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.524 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022441.D
Acq: 28 May 2025 09:55

Tgt Ion:113 Resp: 177713
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 17.9 15.2 22.8





#50

Toluene-d8

Concen: 50.106 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022441.D

Acq: 28 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

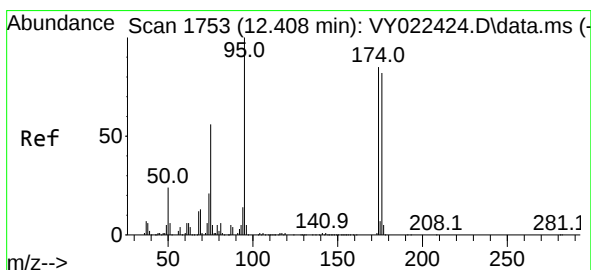
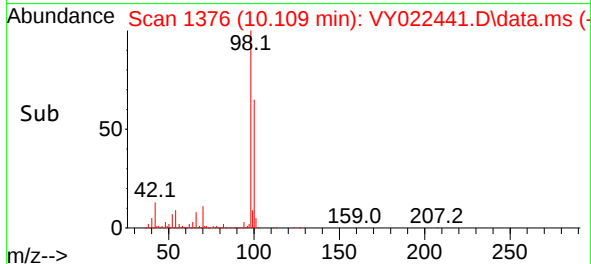
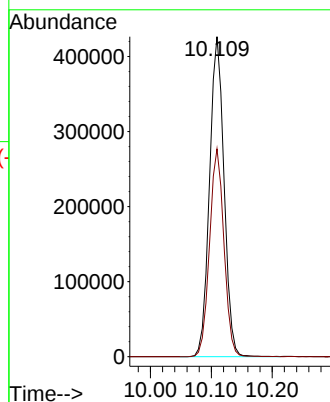
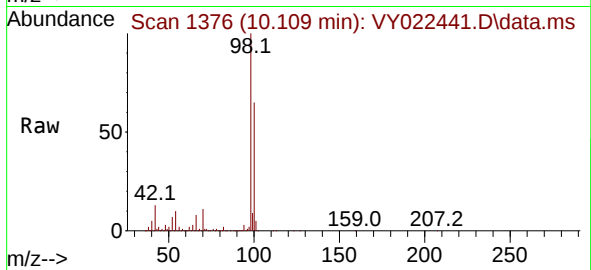
VY0528SBL01

Tgt Ion: 98 Resp: 704513

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 41.600 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022441.D

Acq: 28 May 2025 09:55

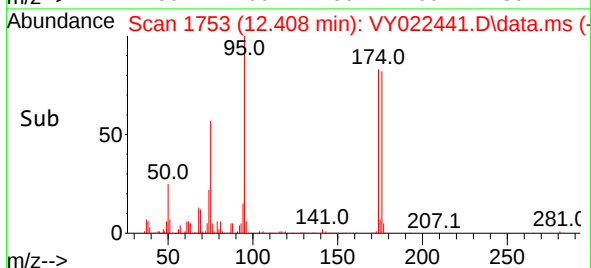
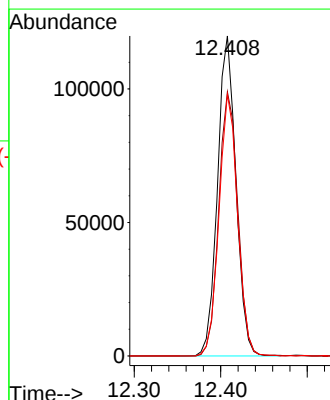
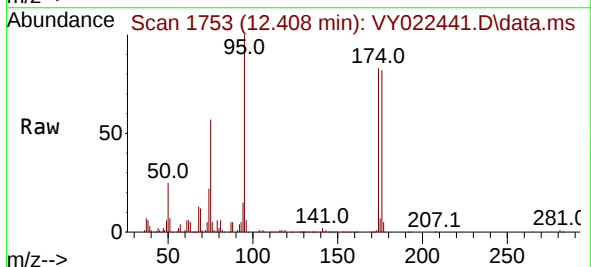
Tgt Ion: 95 Resp: 176928

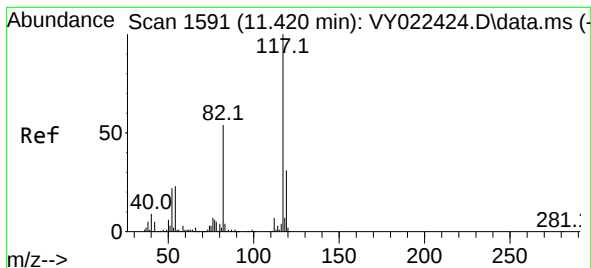
Ion Ratio Lower Upper

95 100

174 85.6 0.0 171.6

176 82.5 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022441.D

Acq: 28 May 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0528SBL01

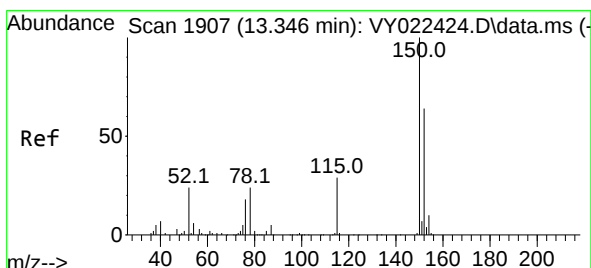
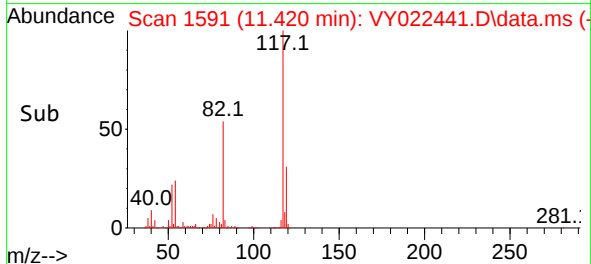
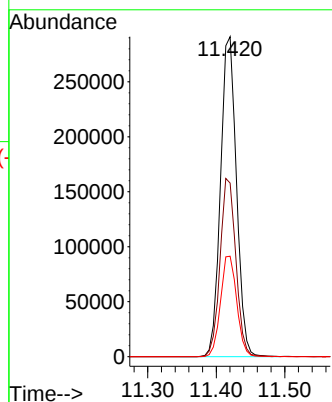
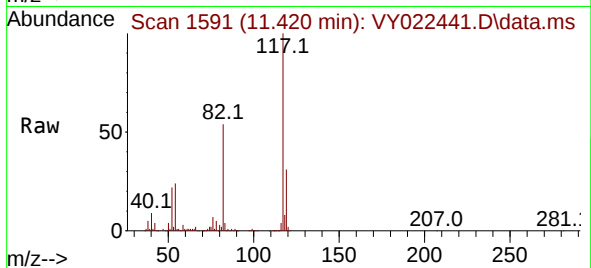
Tgt Ion:117 Resp: 468410

Ion Ratio Lower Upper

117 100

82 54.2 43.3 64.9

119 31.4 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: VY022441.D

Acq: 28 May 2025 09:55

Tgt Ion:152 Resp: 164648

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.3

150 158.4 0.0 345.8

