

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023878.D
 Acq On : 04 Dec 2025 08:40
 Operator : SY/MD
 Sample : VY1204SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1204SBL01

Quant Time: Dec 05 01:40:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	753303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1347495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1163906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	486950	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	429775	57.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.060%
35) Dibromofluoromethane	7.640	113	424127	49.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.140%
50) Toluene-d8	10.109	98	1576715	46.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.760%
62) 4-Bromofluorobenzene	12.407	95	475025	41.411	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.820%

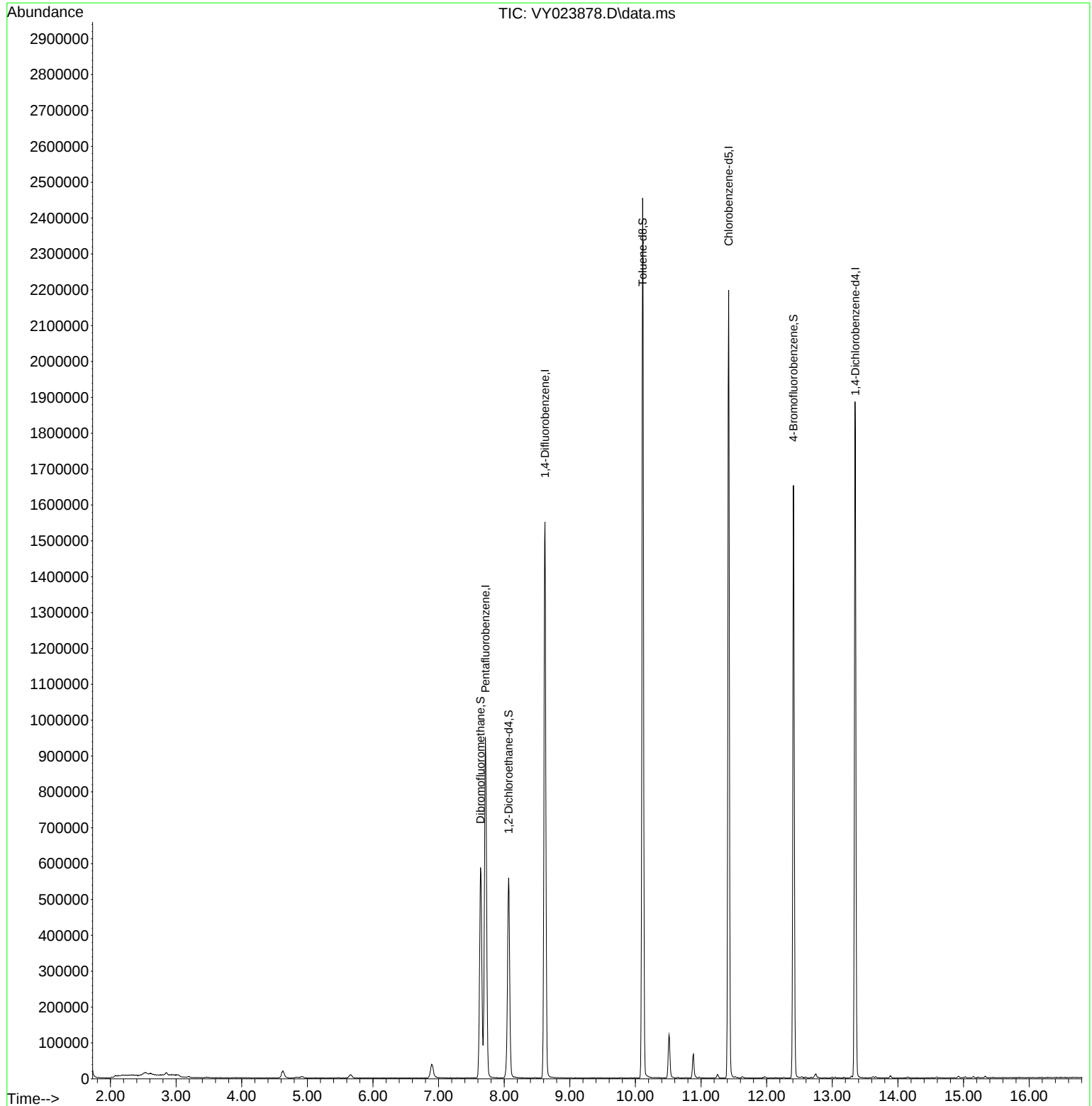
Target Compounds	Qvalue

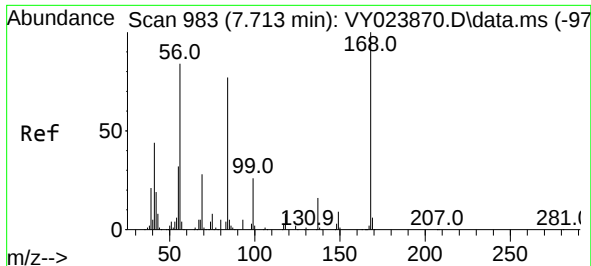
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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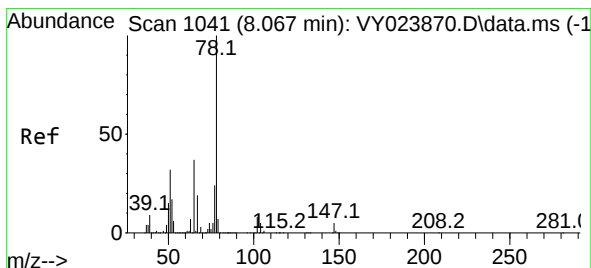
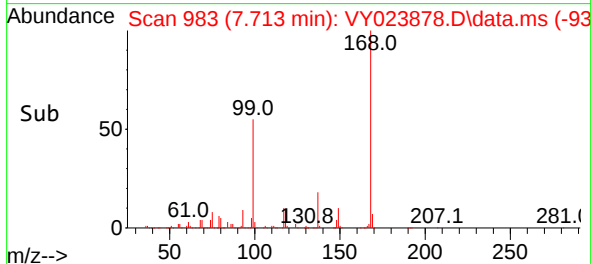
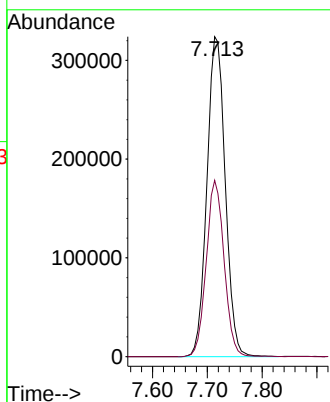
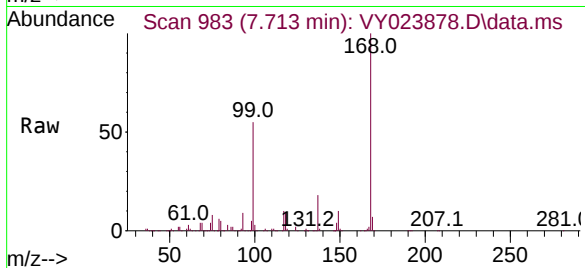




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

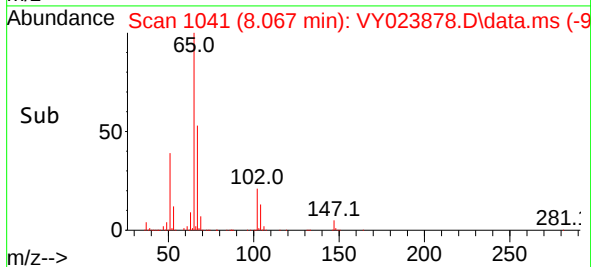
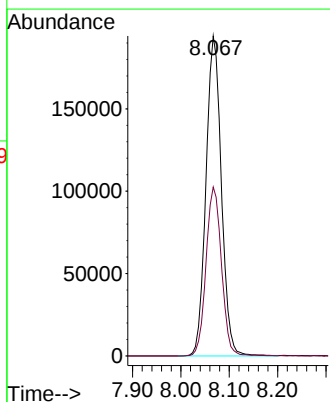
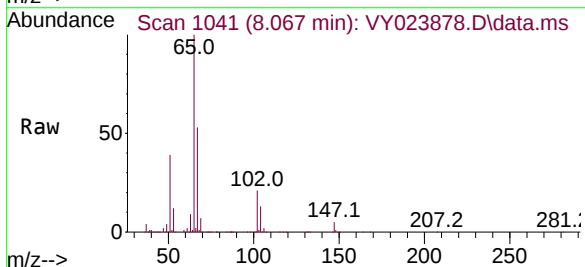
Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

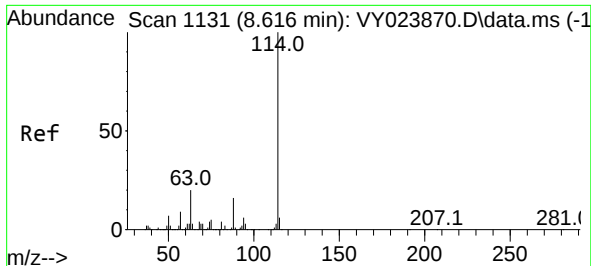
Tgt Ion:168 Resp: 753303
Ion Ratio Lower Upper
168 100
99 55.1 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 57.031 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Tgt Ion: 65 Resp: 429775
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

Instrument :

MSVOA_Y

ClientSampleId :

VY1204SBL01

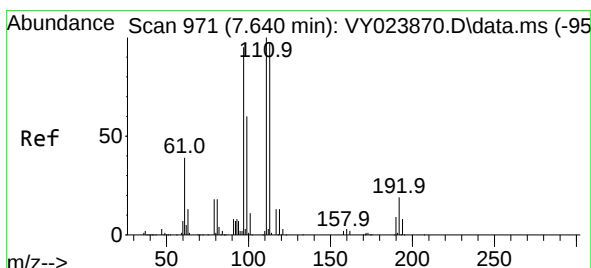
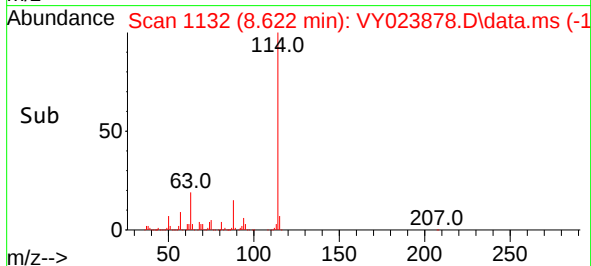
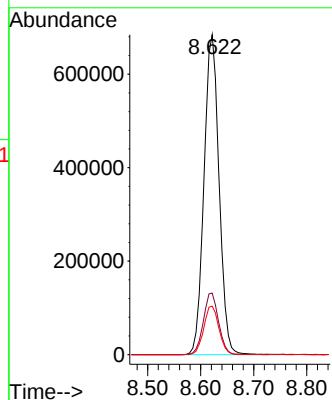
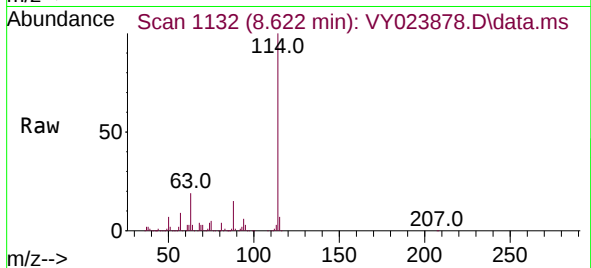
Tgt Ion:114 Resp: 1347495

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

88 15.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.075 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

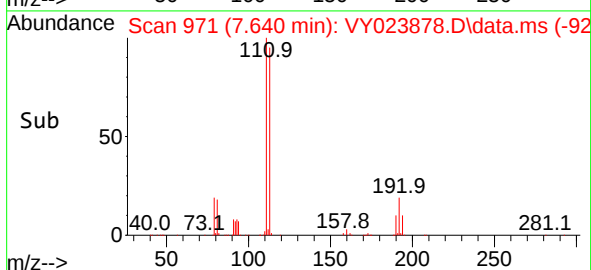
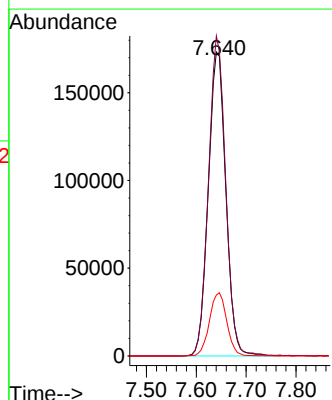
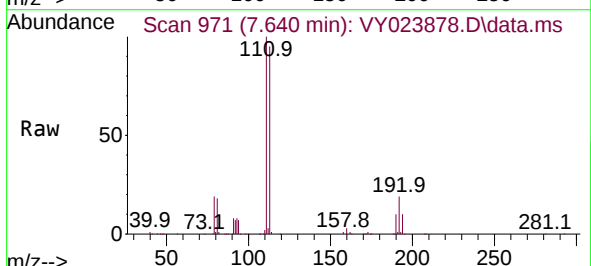
Tgt Ion:113 Resp: 424127

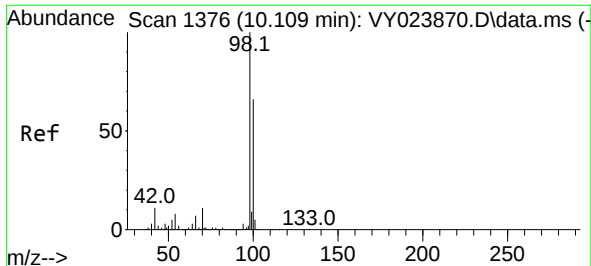
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 20.5 15.8 23.8

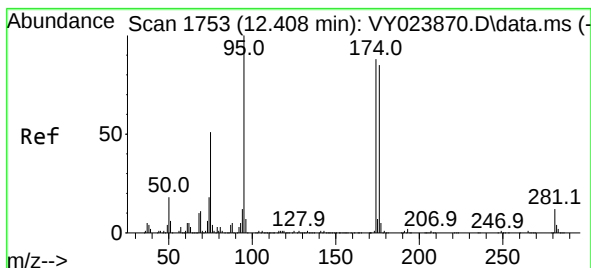
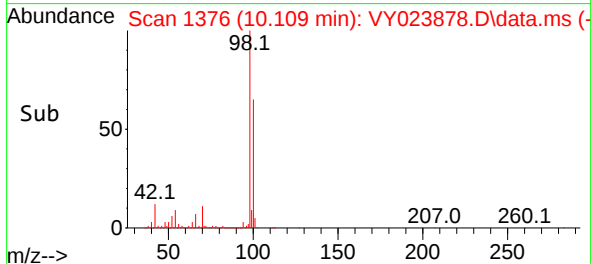
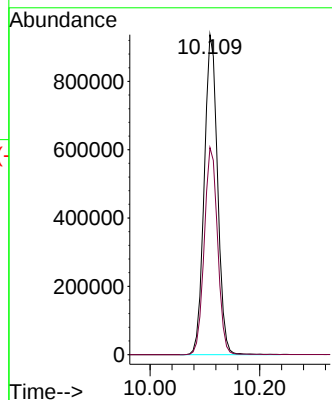
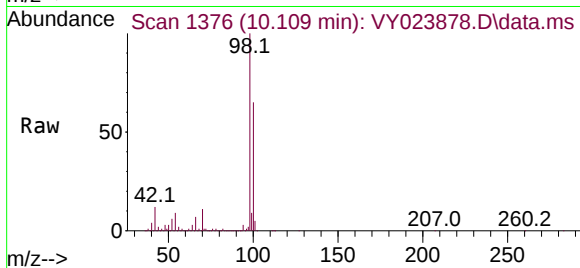




#50
Toluene-d8
Concen: 46.882 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

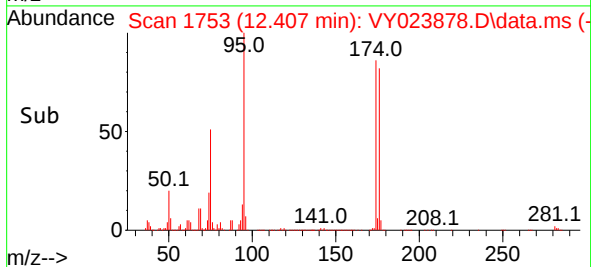
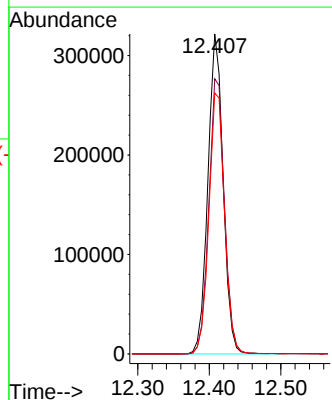
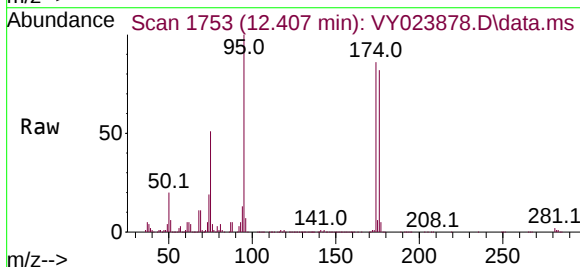
Instrument :
MSVOA_Y
ClientSampleId :
VY1204SBL01

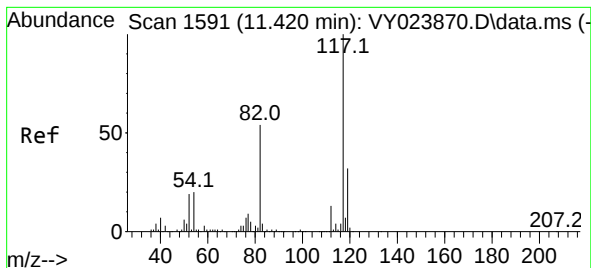
Tgt Ion: 98 Resp: 1576715
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 41.411 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023878.D
Acq: 04 Dec 2025 08:40

Tgt Ion: 95 Resp: 475025
Ion Ratio Lower Upper
95 100
174 88.7 0.0 169.6
176 84.0 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

Instrument :

MSVOA_Y

ClientSampleId :

VY1204SBL01

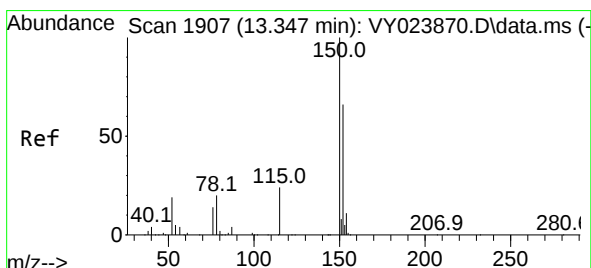
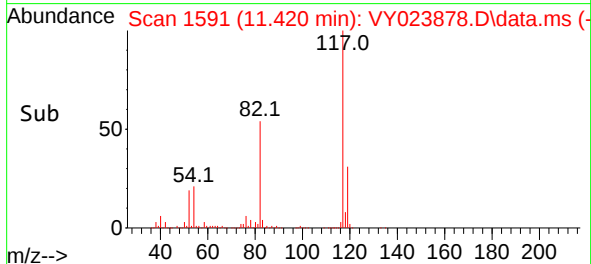
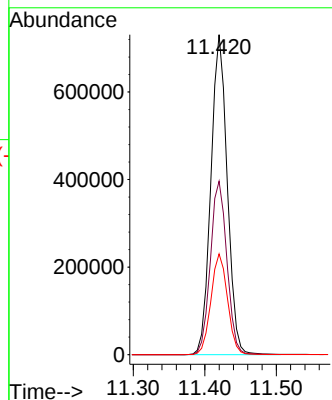
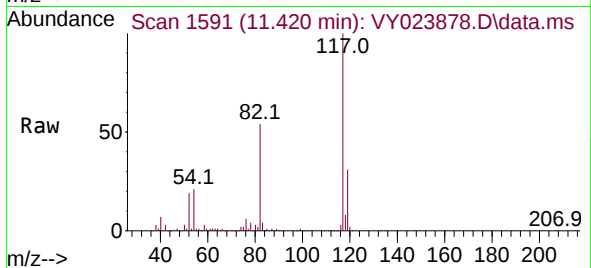
Tgt Ion:117 Resp: 1163906

Ion Ratio Lower Upper

117 100

82 54.2 43.1 64.7

119 31.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023878.D

Acq: 04 Dec 2025 08:40

Tgt Ion:152 Resp: 486950

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.4

150 156.3 0.0 352.2

