

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023843.D
 Acq On : 01 Dec 2025 15:10
 Operator : SY/MD
 Sample : Q3742-01
 Misc : 2.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-23

Quant Time: Dec 02 03:18:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	656114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1207708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1048441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	433339	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	390837	61.168	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.340%
35) Dibromofluoromethane	7.634	113	386244	53.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.980%
50) Toluene-d8	10.109	98	1445760	50.877	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.760%
62) 4-Bromofluorobenzene	12.408	95	425798	45.539	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.080%

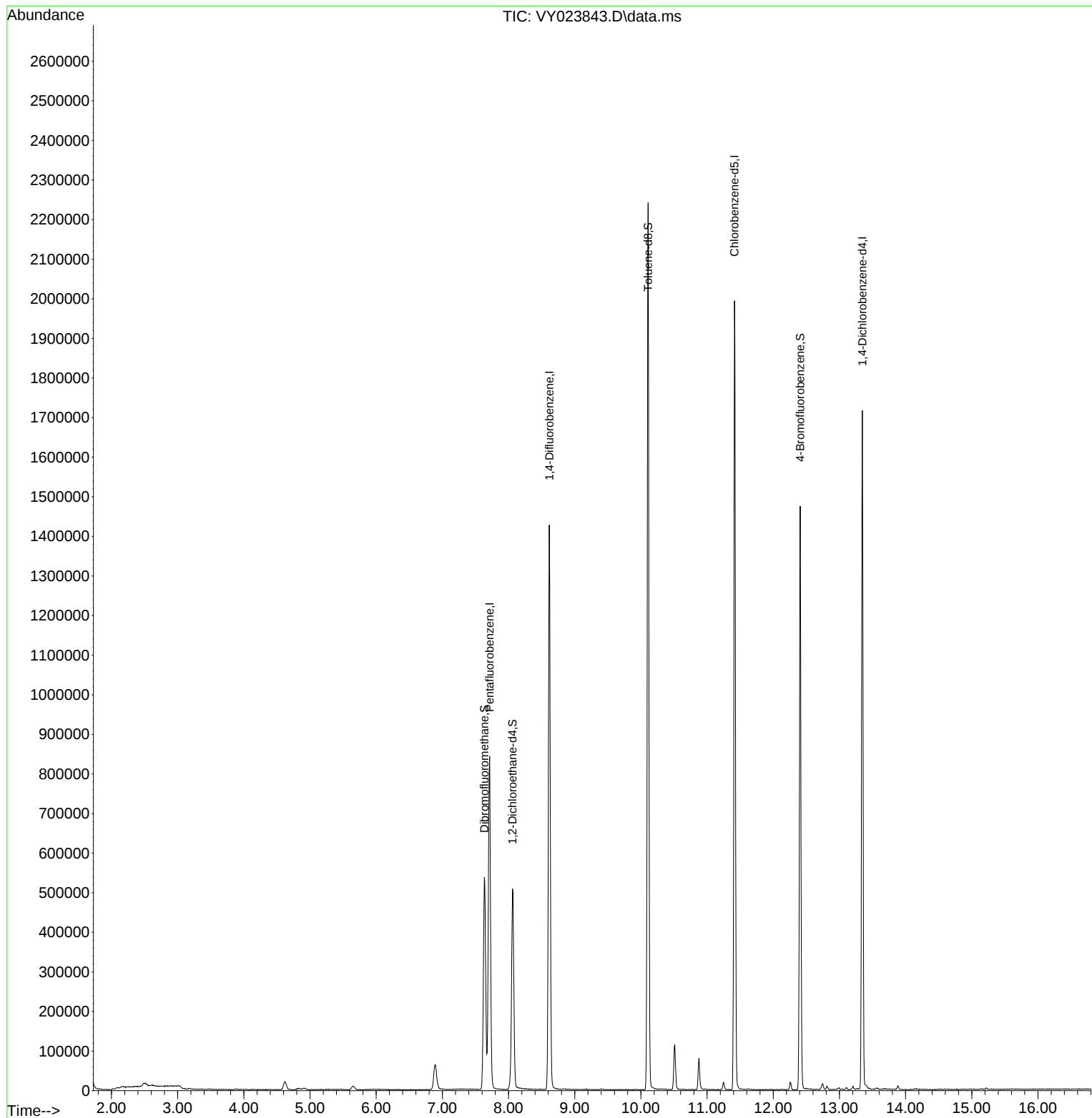
Target Compounds	Qvalue

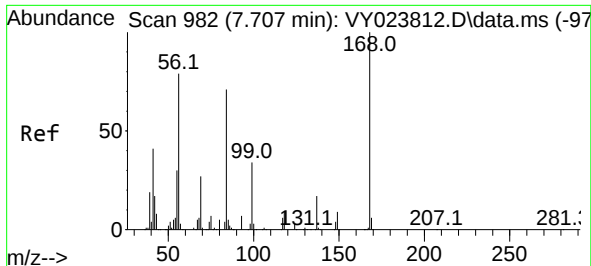
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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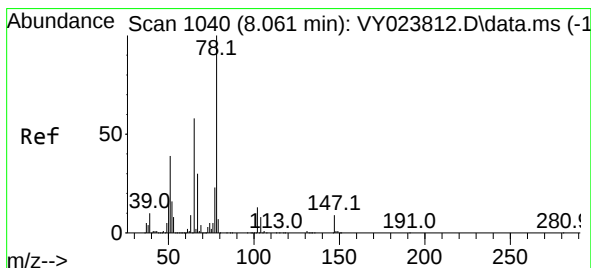
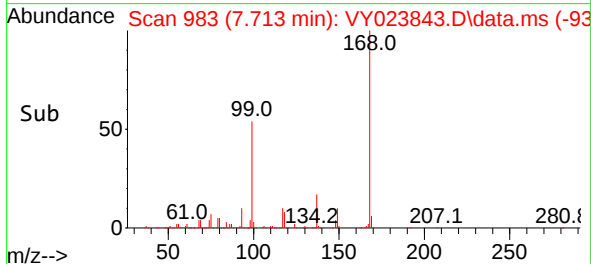
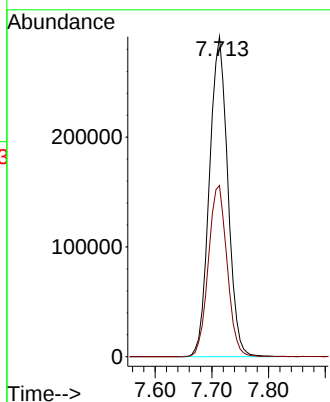
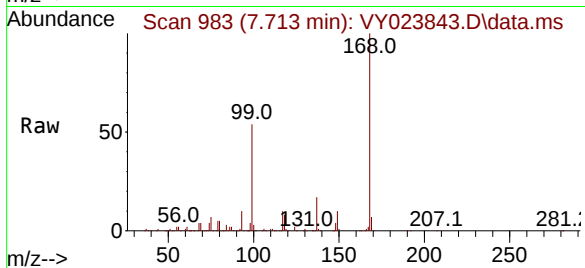




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

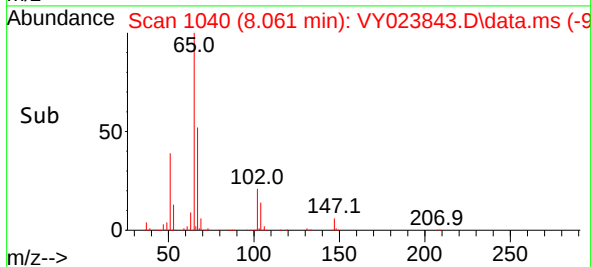
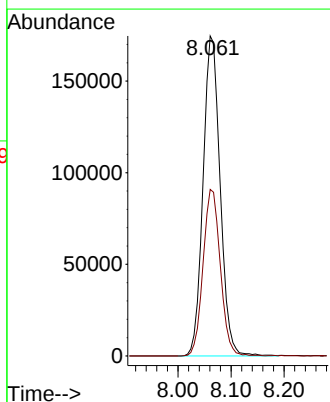
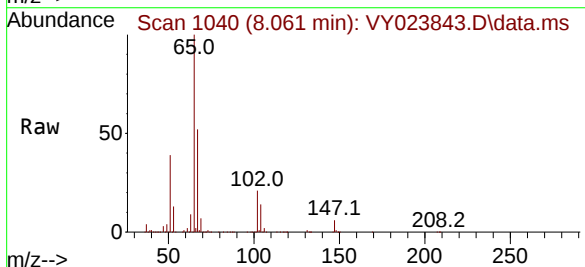
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

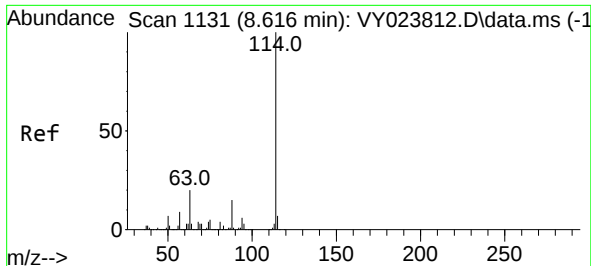
Tgt Ion:168 Resp: 656114
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 61.168 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 65 Resp: 390837
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

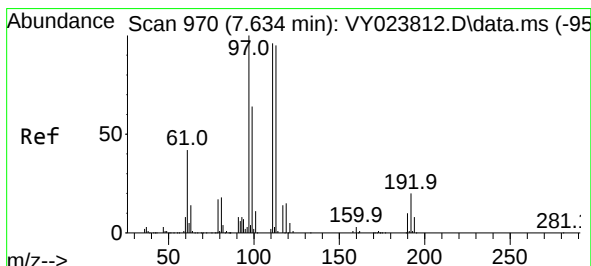
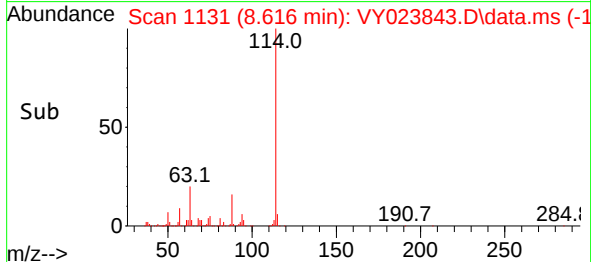
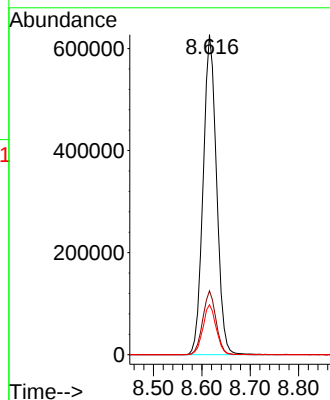
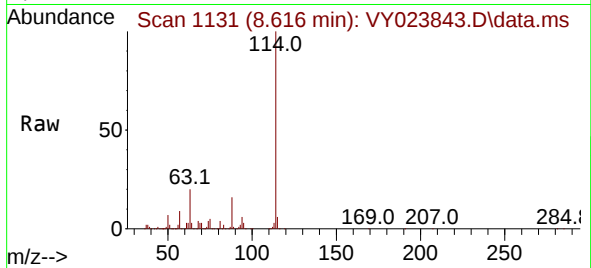




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

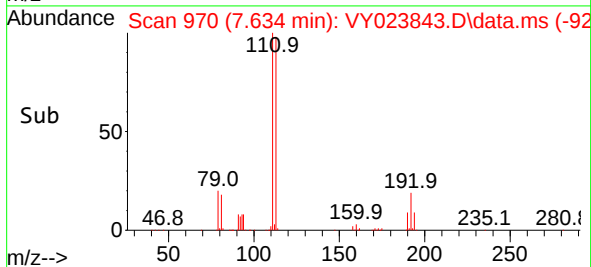
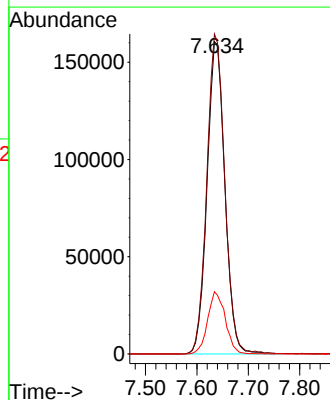
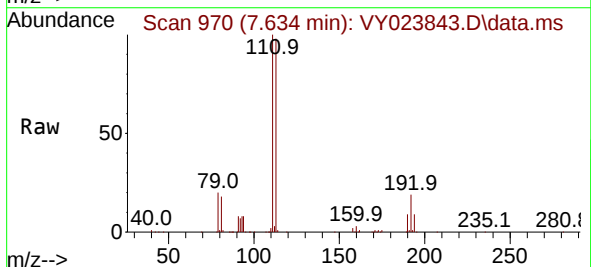
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

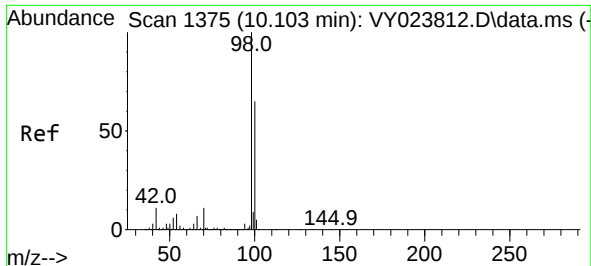
Tgt Ion:114 Resp: 1207708
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.4
88 15.6 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.987 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion:113 Resp: 386244
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 19.8 15.8 23.8

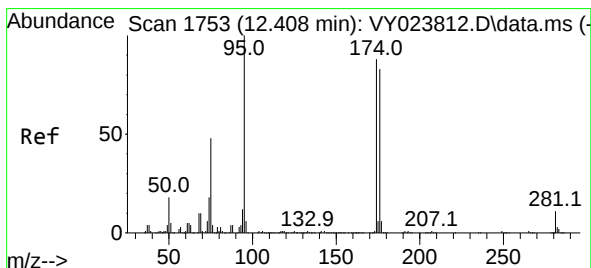
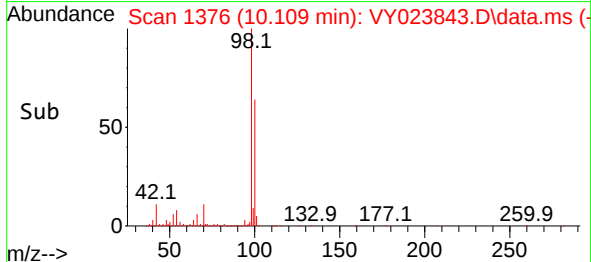
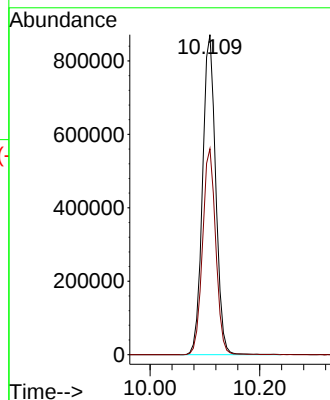
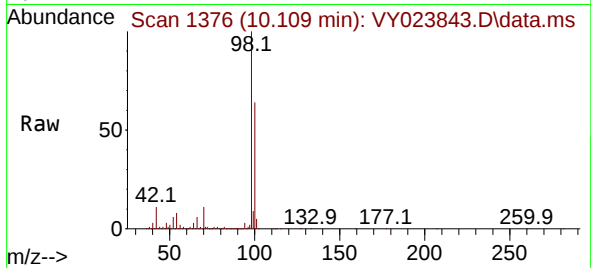




#50
Toluene-d8
Concen: 50.877 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

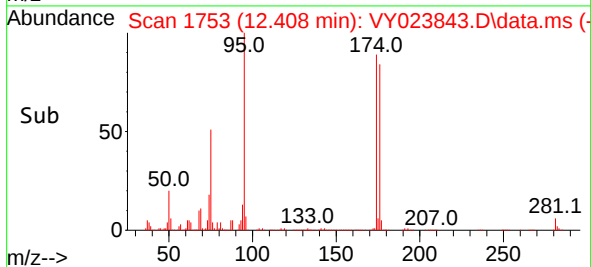
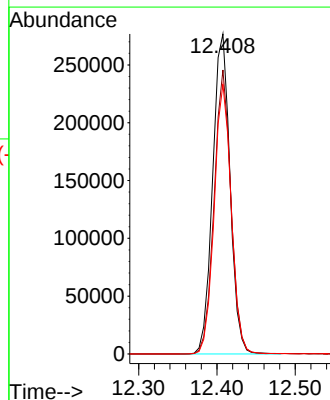
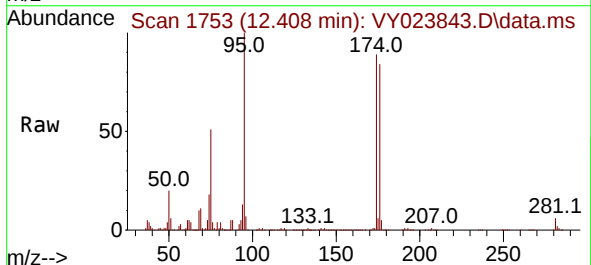
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-23

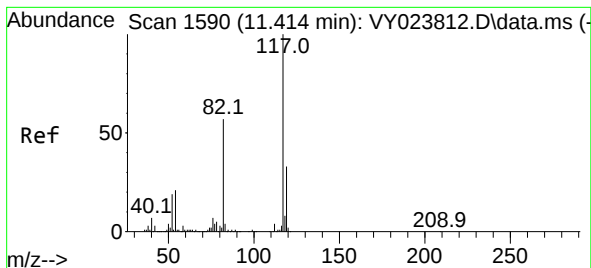
Tgt Ion: 98 Resp: 1445760
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.539 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023843.D
Acq: 01 Dec 2025 15:10

Tgt Ion: 95 Resp: 425798
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.6
176 82.8 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023843.D

Acq: 01 Dec 2025 15:10

Instrument :

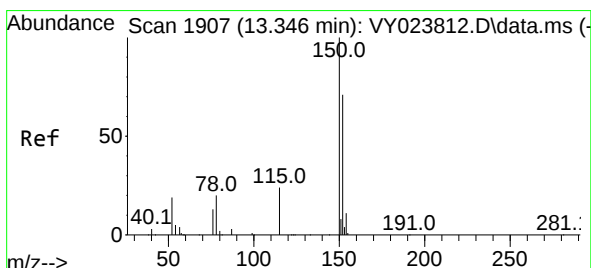
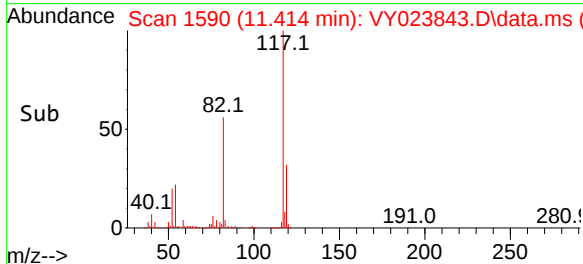
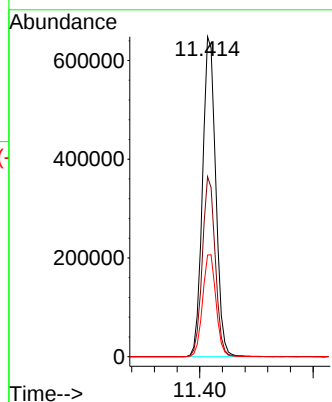
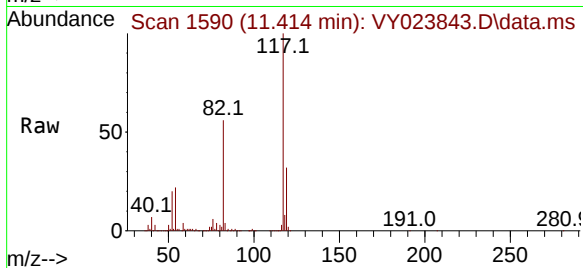
MSVOA_Y

ClientSampleId :

SB-1125-23

Tgt Ion:117 Resp: 1048441

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.0
119	31.8	26.0	39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023843.D

Acq: 01 Dec 2025 15:10

Tgt Ion:152 Resp: 433339

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.7	86.3
150	157.4	0.0	345.6

