

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023482.D
 Acq On : 16 Oct 2025 09:46
 Operator : SY/MD
 Sample : VY1016SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBL01

Quant Time: Oct 17 01:51:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	529968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1064919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1102445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	465964	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	279369	63.039	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.080%
35) Dibromofluoromethane	7.640	113	359646	54.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.920%
50) Toluene-d8	10.109	98	1301045	53.391	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.780%
62) 4-Bromofluorobenzene	12.408	95	430344	53.491	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.980%

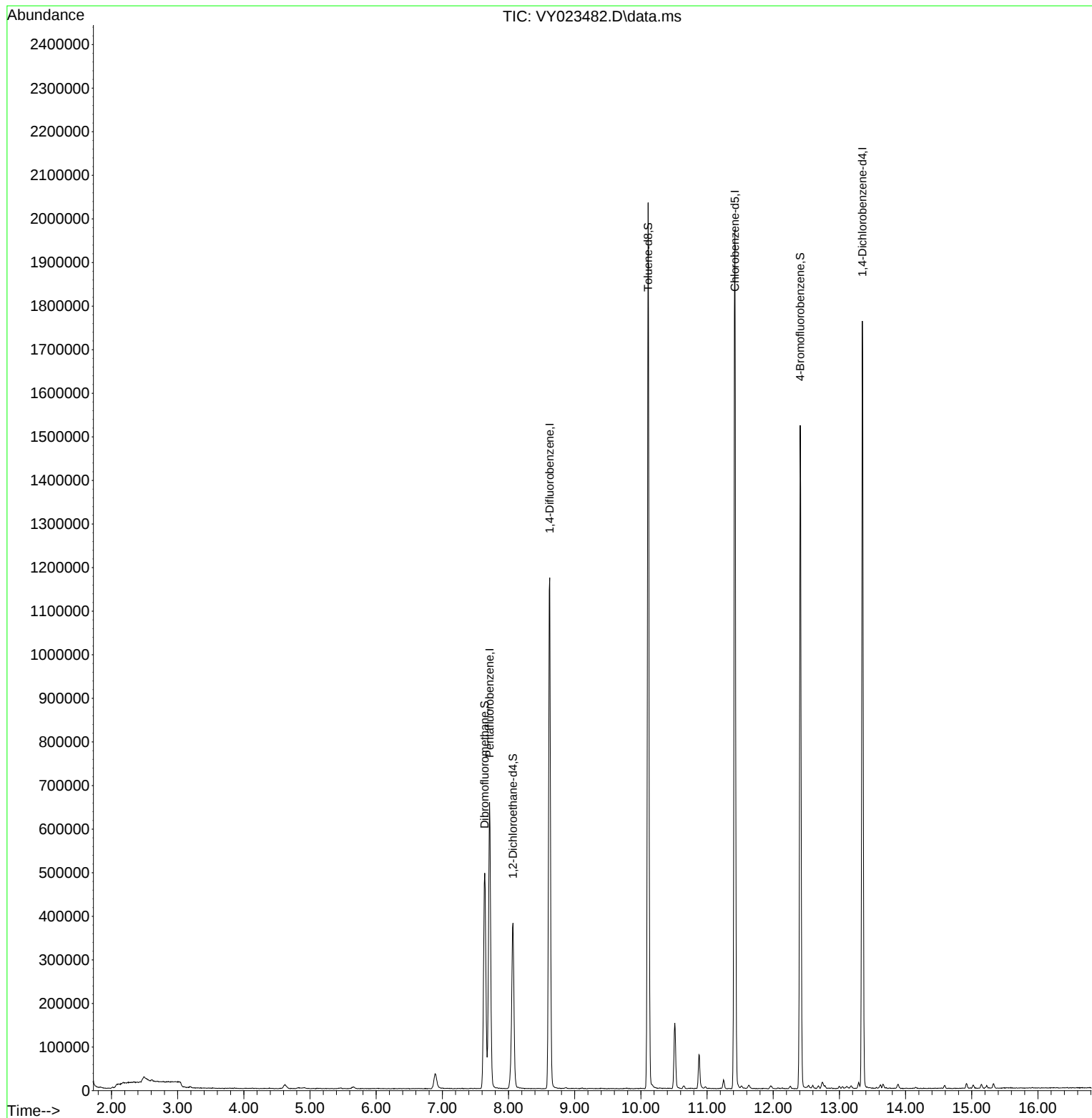
Target Compounds	Qvalue

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

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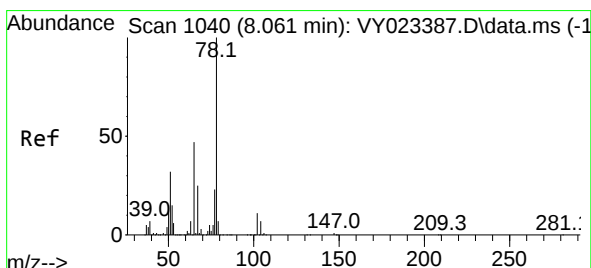
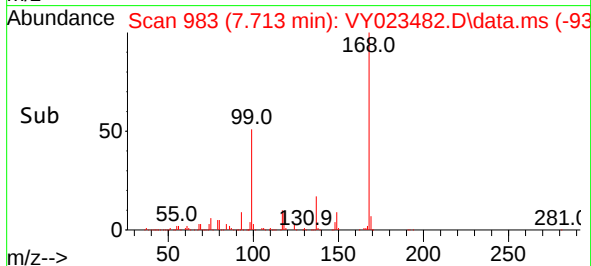
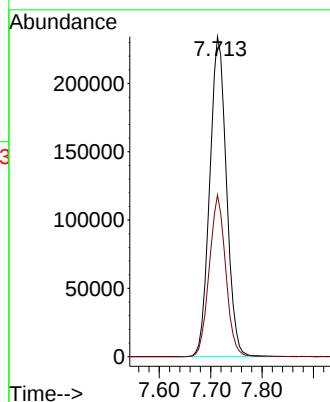
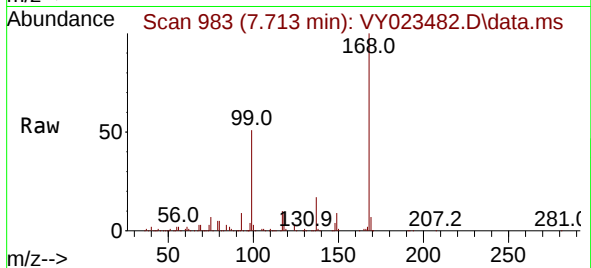




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023482.D
Acq: 16 Oct 2025 09:46

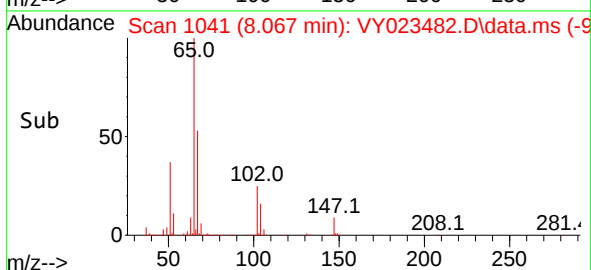
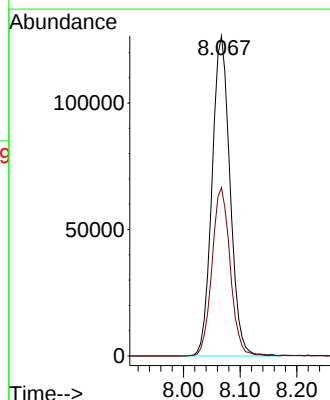
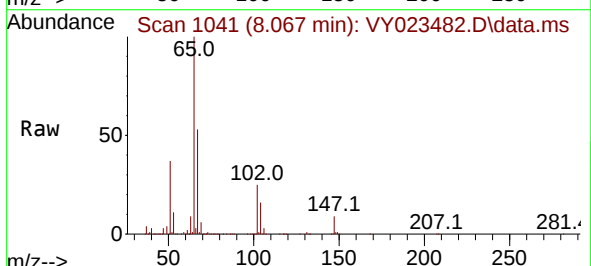
Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBL01

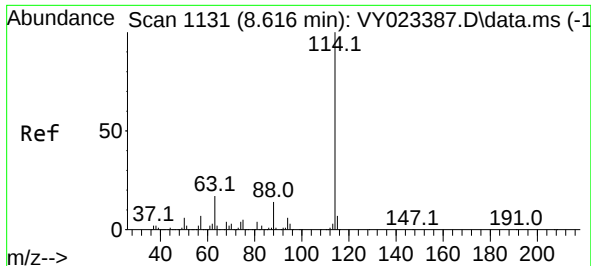
Tgt Ion:168 Resp: 529968
Ion Ratio Lower Upper
168 100
99 50.6 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 63.039 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023482.D
Acq: 16 Oct 2025 09:46

Tgt Ion: 65 Resp: 279369
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

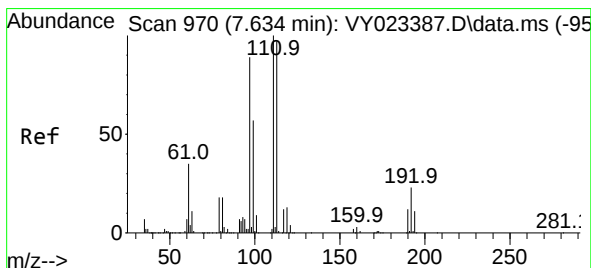
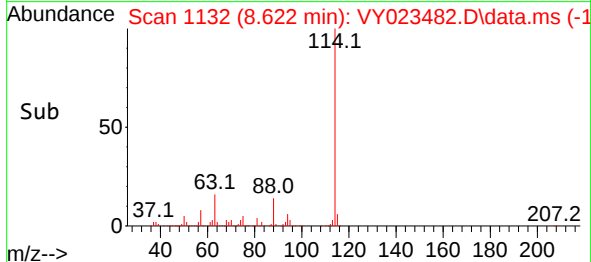
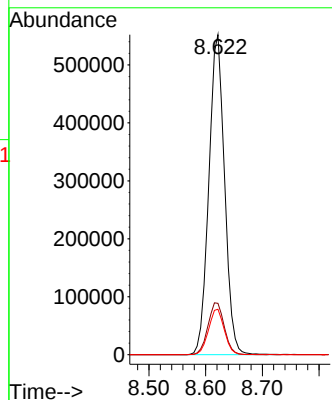
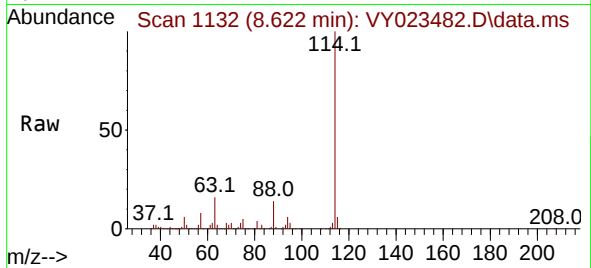




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023482.D
Acq: 16 Oct 2025 09:46

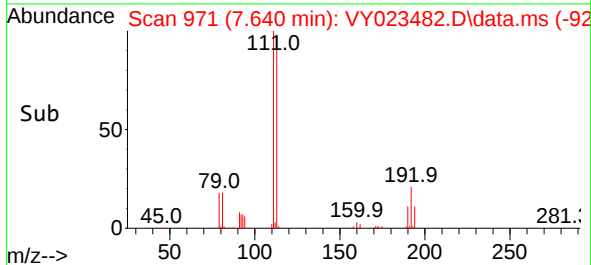
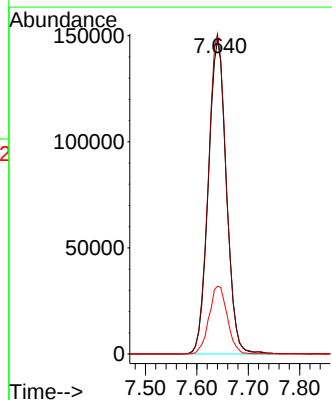
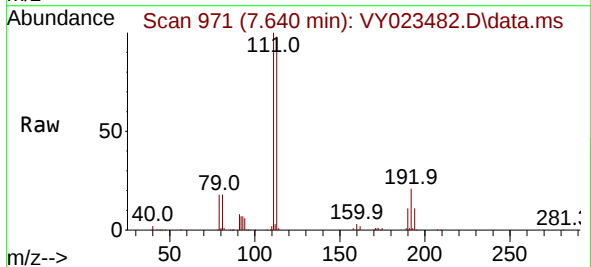
Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBL01

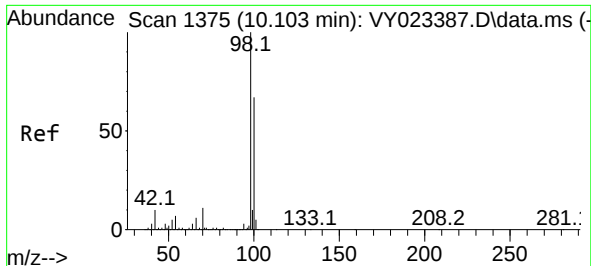
Tgt Ion:114 Resp: 1064919
Ion Ratio Lower Upper
114 100
63 16.1 0.0 34.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 54.963 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023482.D
Acq: 16 Oct 2025 09:46

Tgt Ion:113 Resp: 359646
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 21.9 18.0 27.0

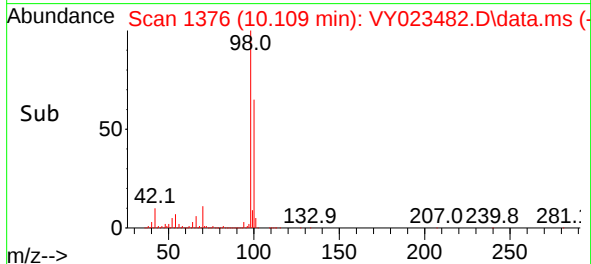
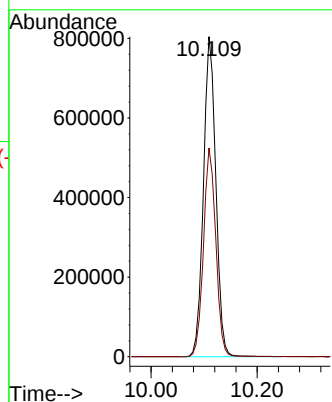
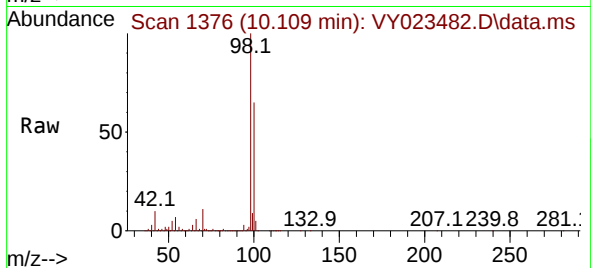




#50
Toluene-d8
Concen: 53.391 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023482.D
Acq: 16 Oct 2025 09:46

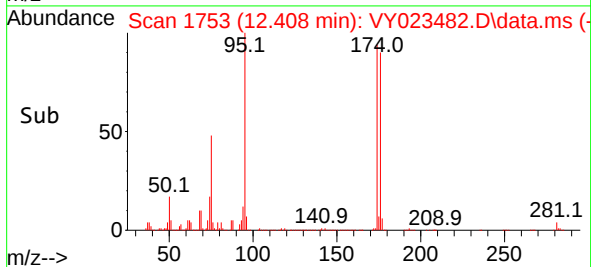
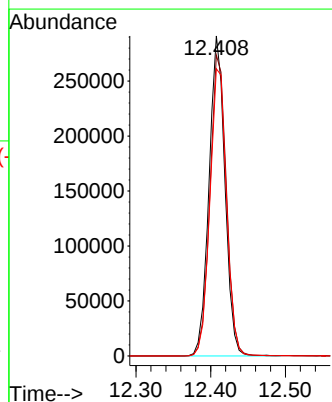
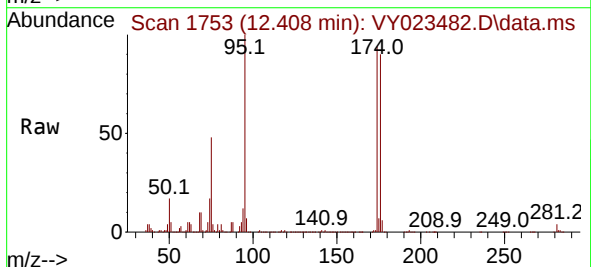
Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBL01

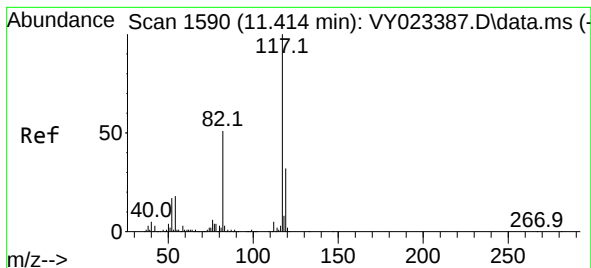
Tgt Ion: 98 Resp: 1301045
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.491 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023482.D
Acq: 16 Oct 2025 09:46

Tgt Ion: 95 Resp: 430344
Ion Ratio Lower Upper
95 100
174 97.5 0.0 192.8
176 93.9 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023482.D

Acq: 16 Oct 2025 09:46

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBL01

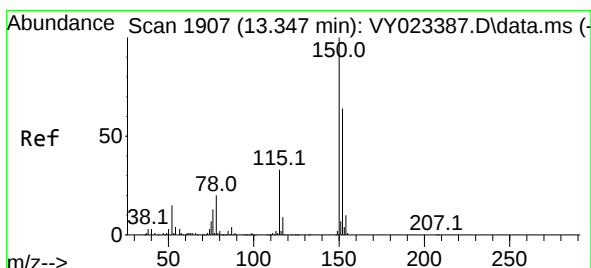
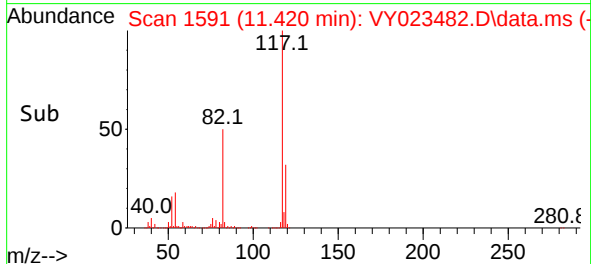
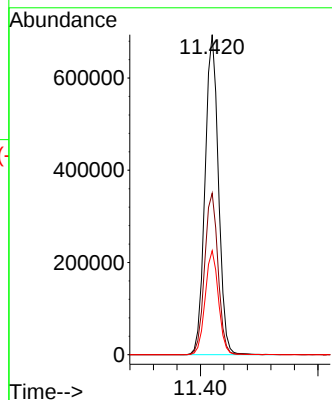
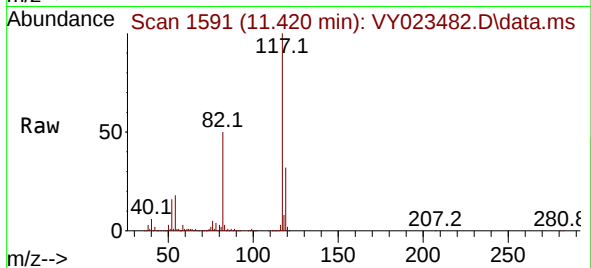
Tgt Ion:117 Resp: 1102445

Ion Ratio Lower Upper

117 100

82 50.4 41.0 61.4

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023482.D

Acq: 16 Oct 2025 09:46

Tgt Ion:152 Resp: 465964

Ion Ratio Lower Upper

152 100

115 54.5 27.1 81.2

150 157.6 0.0 347.4

