

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023196.D
 Acq On : 22 Aug 2025 16:35
 Operator : SY/MD
 Sample : Q2919-01
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-08202025

Quant Time: Aug 25 05:19:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	66575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	95887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	74717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	20703	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	31406	49.497	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.000%
35) Dibromofluoromethane	7.640	113	36367	63.384	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	126.760%
50) Toluene-d8	10.109	98	109629	48.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.401	95	22971	31.867	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.740%

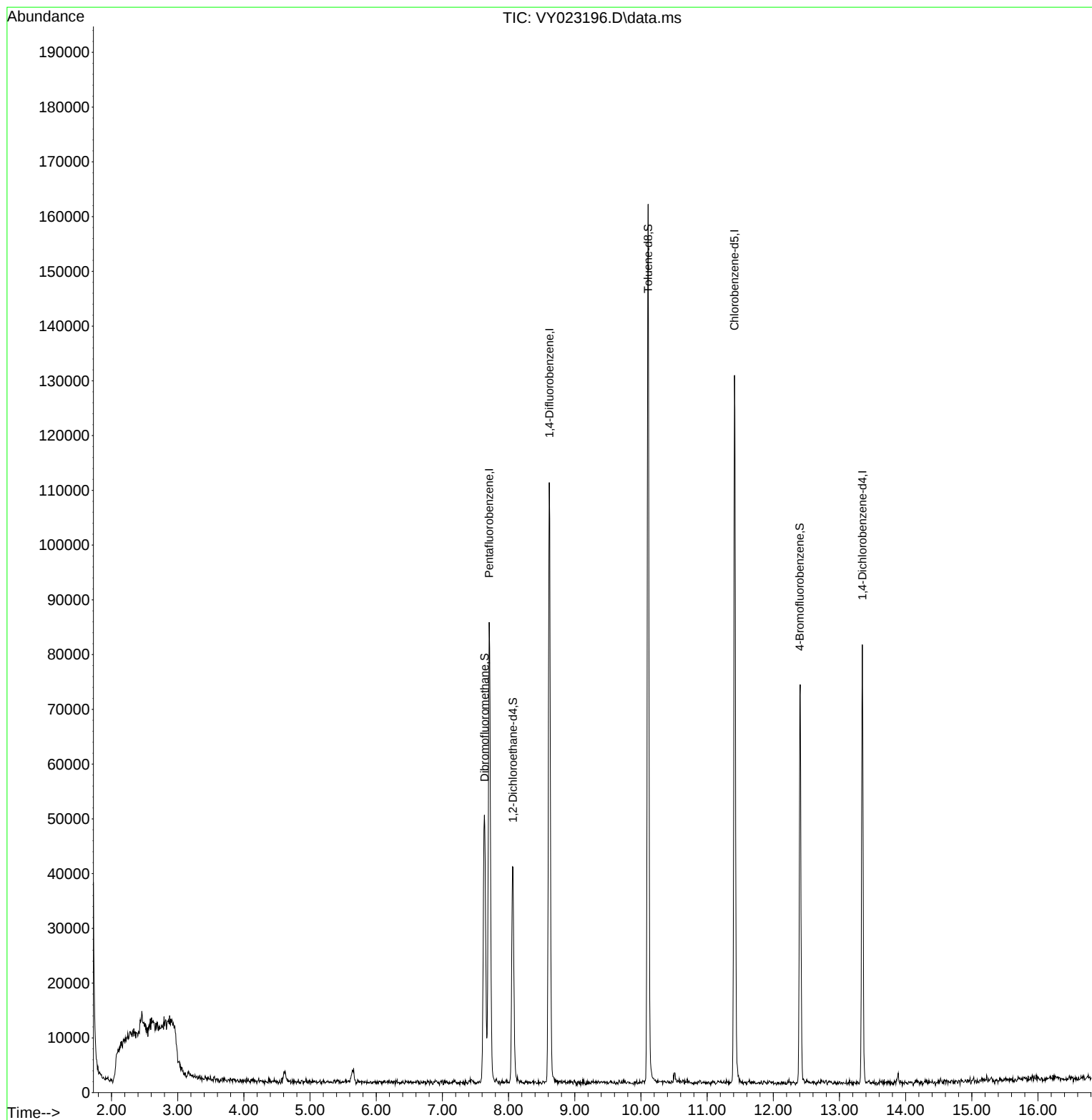
Target Compounds	Qvalue

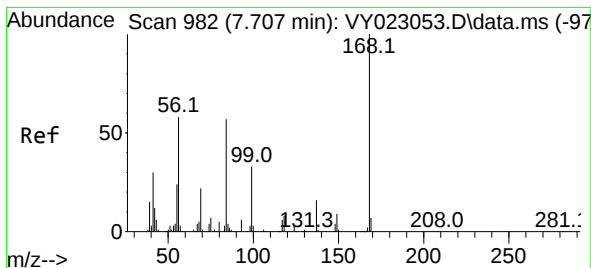
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY023196.D

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Instrument :

MSVOA_Y

ClientSampleId :

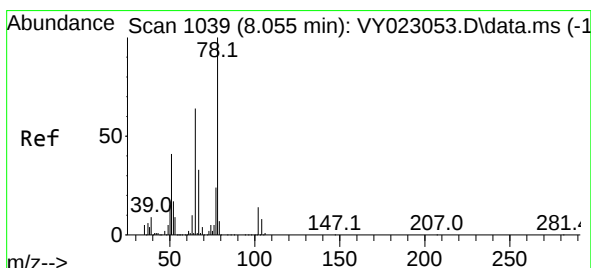
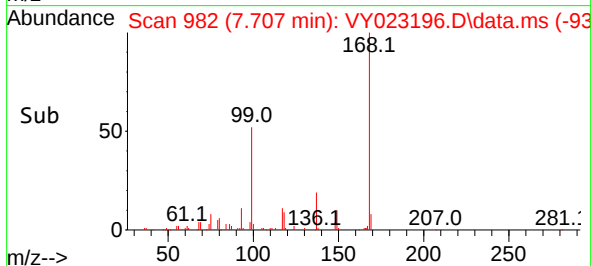
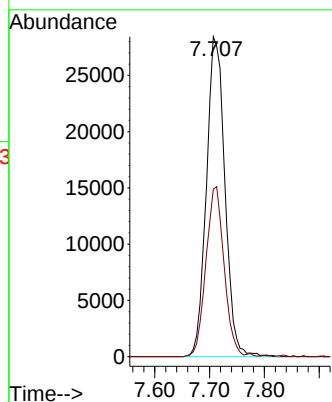
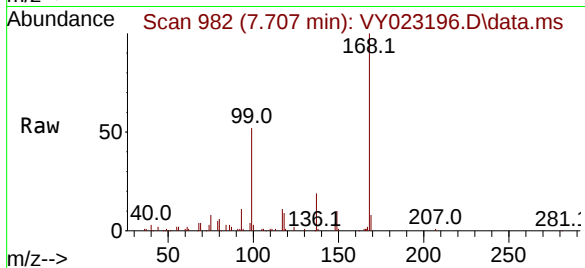
OK-02-08202025

Tgt Ion:168 Resp: 66575

Ion Ratio Lower Upper

168 100

99 52.3 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 49.497 ug/l

RT: 8.066 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023196.D

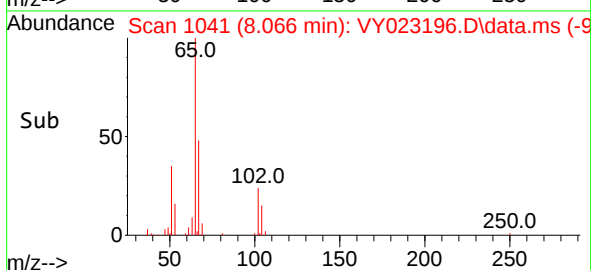
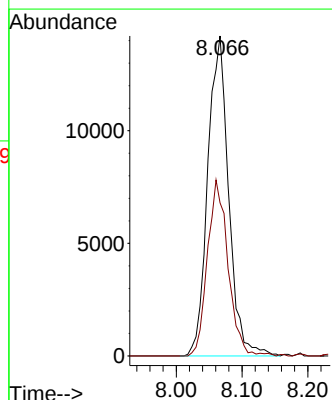
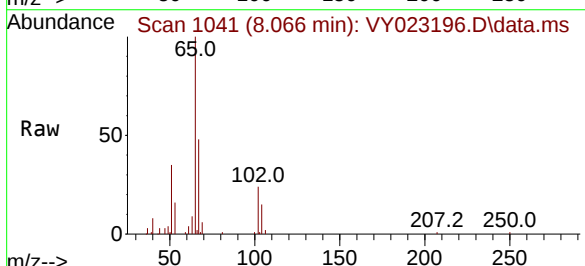
Acq: 22 Aug 2025 16:35

Tgt Ion: 65 Resp: 31406

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.8

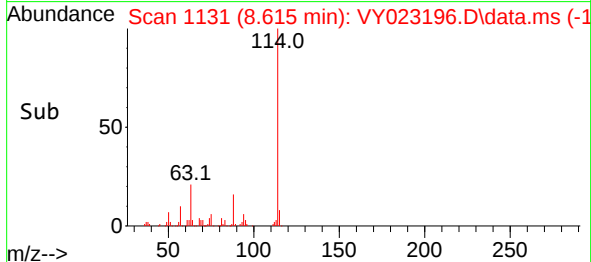
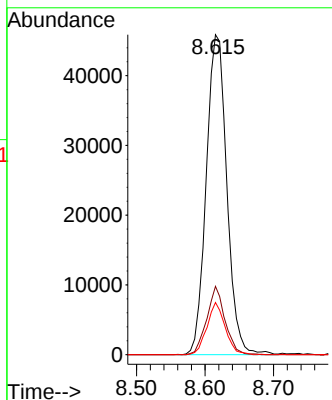
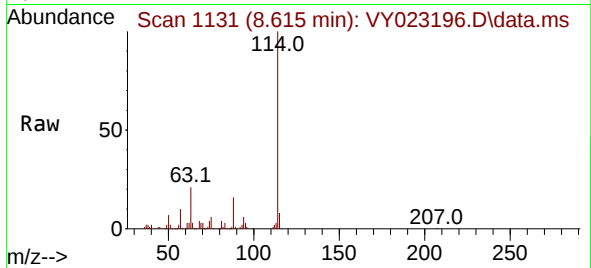




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

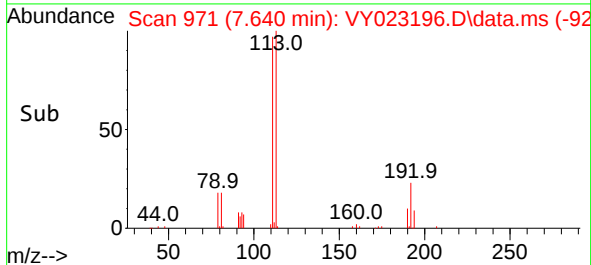
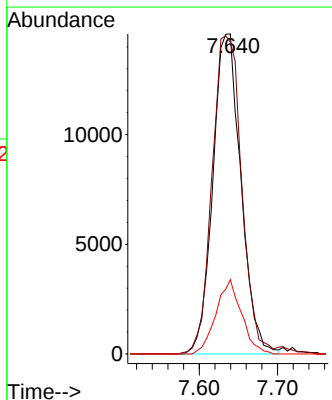
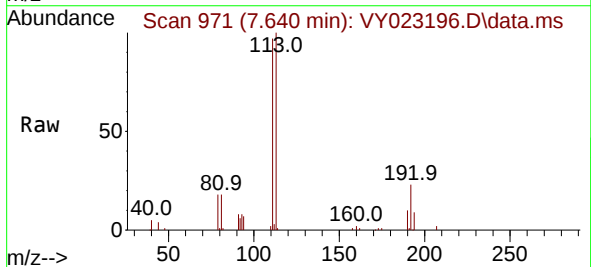
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

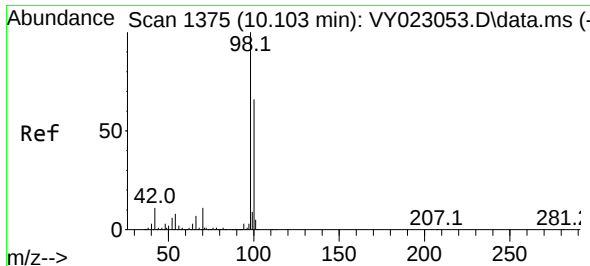
Tgt Ion:114 Resp: 95887
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.4
88 16.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 63.384 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion:113 Resp: 36367
Ion Ratio Lower Upper
113 100
111 105.6 81.1 121.7
192 21.1 16.2 24.4

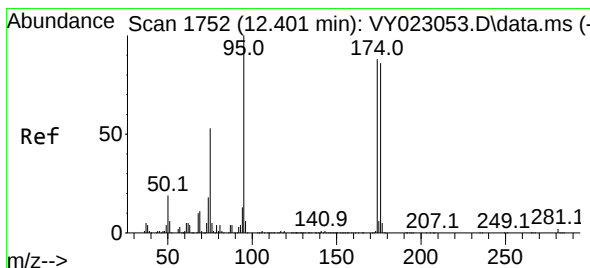
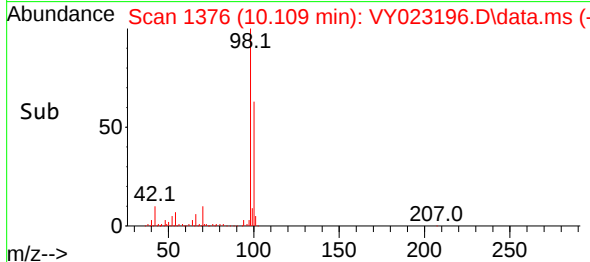
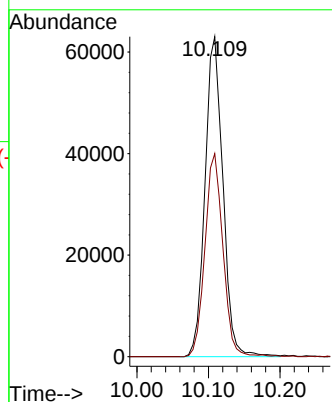
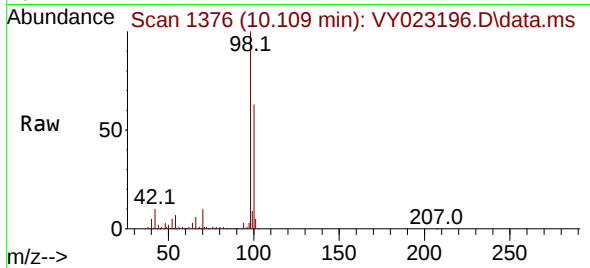




#50
Toluene-d8
Concen: 48.910 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

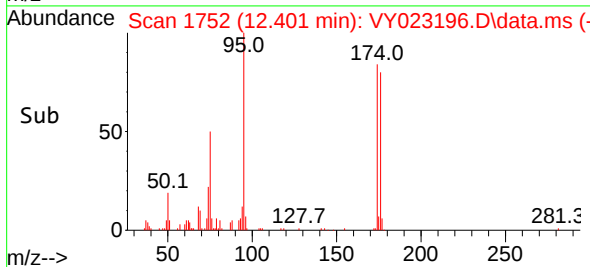
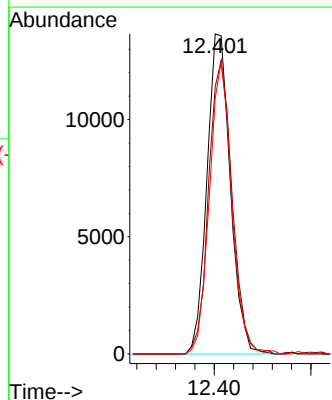
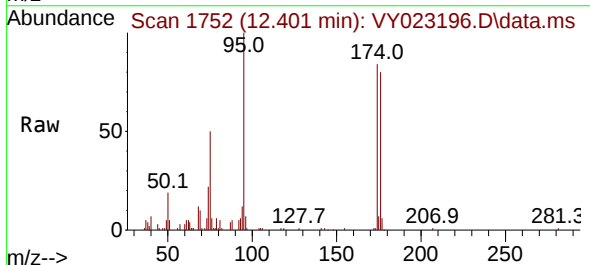
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

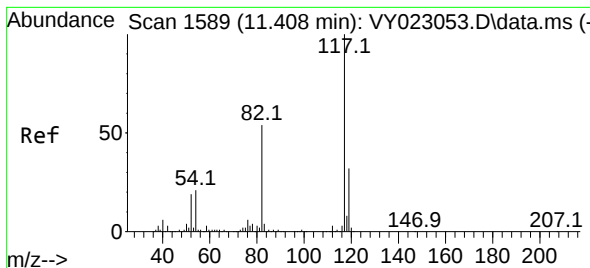
Tgt Ion: 98 Resp: 109629
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 31.867 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion: 95 Resp: 22971
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 87.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY023196.D

Acq: 22 Aug 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-08202025

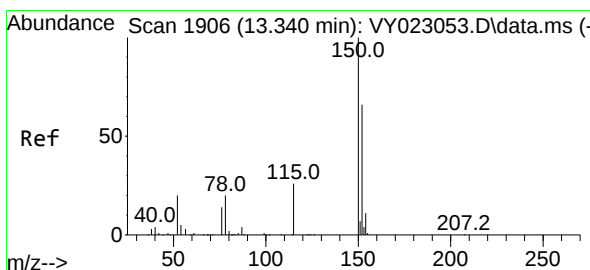
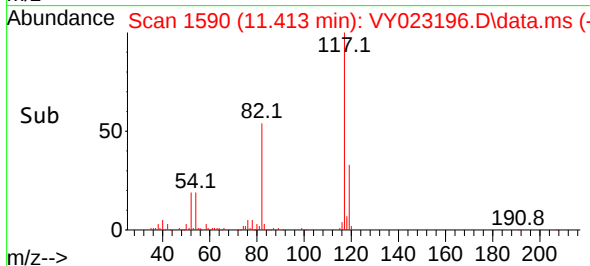
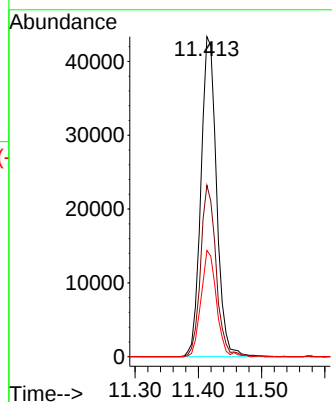
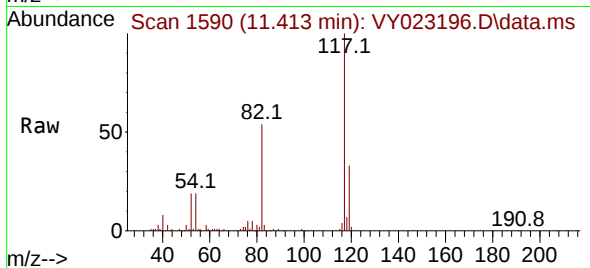
Tgt Ion:117 Resp: 74717

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 33.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023196.D

Acq: 22 Aug 2025 16:35

Tgt Ion:152 Resp: 20703

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.6

150 157.1 0.0 348.0

