

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022464.D
 Acq On : 29 May 2025 13:59
 Operator : SY/MD
 Sample : Q2150-05
 Misc : 7.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-47

Quant Time: May 30 05:34:47 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	7.719	168	18571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	25910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	13686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	2224	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6243	31.916	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	63.840%
35) Dibromofluoromethane	7.640	113	4936	32.530	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	65.060%
50) Toluene-d8	10.109	98	26868	43.436	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.880%
62) 4-Bromofluorobenzene	12.407	95	3842	20.534	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.060%

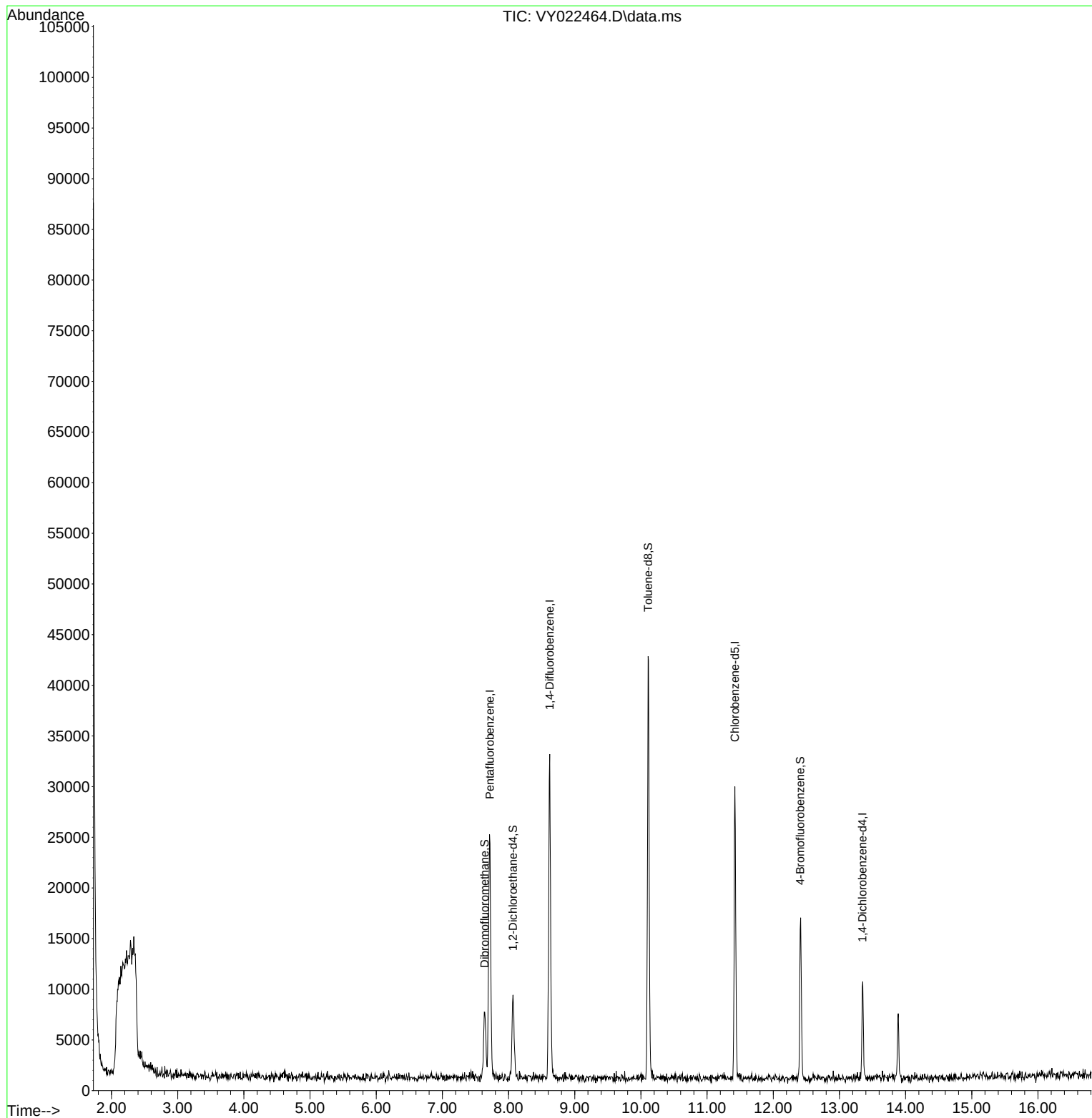
Target Compounds	Qvalue

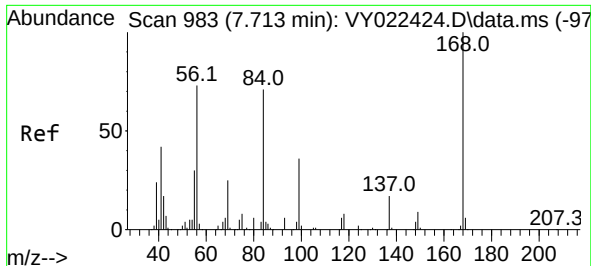
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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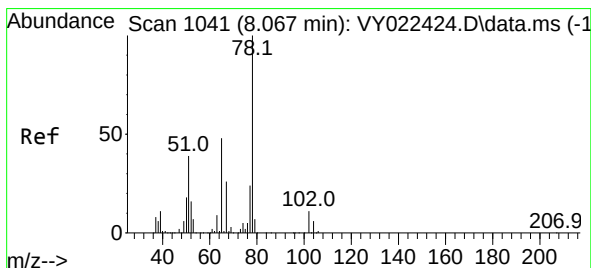
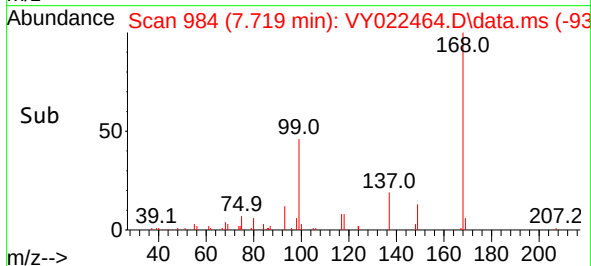
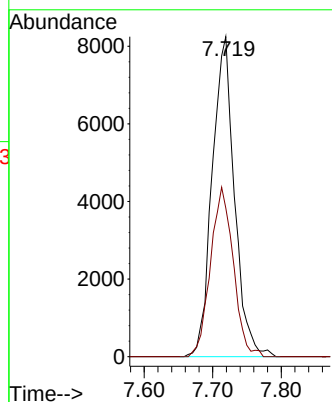
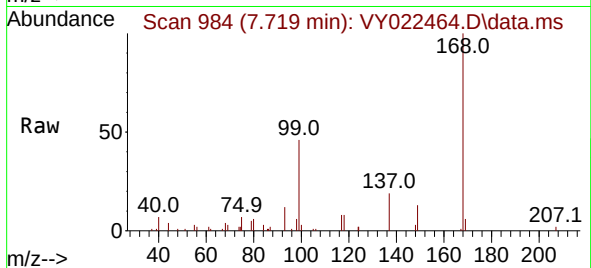




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

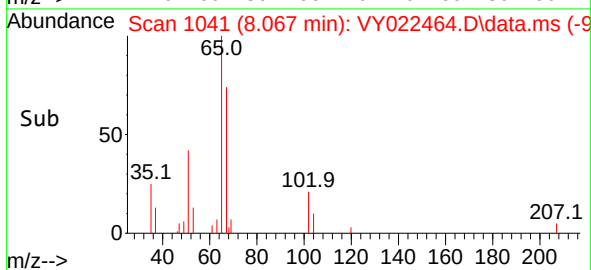
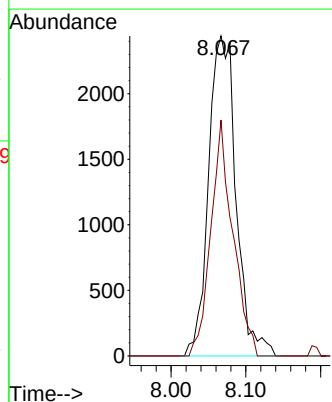
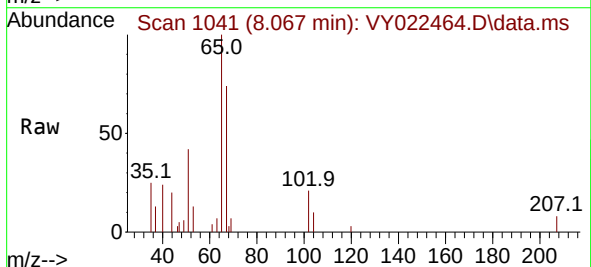
Instrument :
MSVOA_Y
ClientSampleId :
TP-47

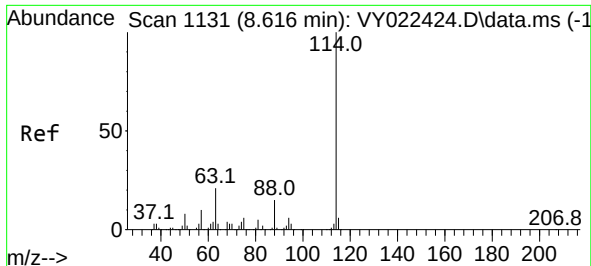
Tgt Ion:168 Resp: 18571
Ion Ratio Lower Upper
168 100
99 46.5 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 31.916 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion: 65 Resp: 6243
Ion Ratio Lower Upper
65 100
67 59.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-47

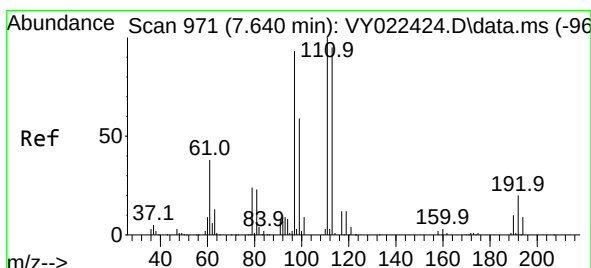
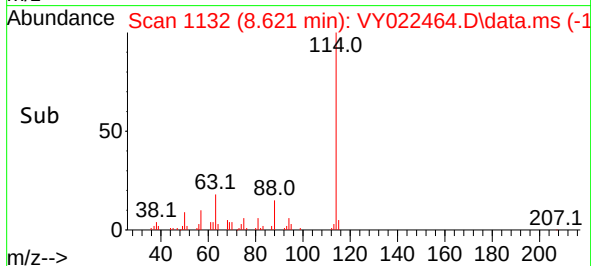
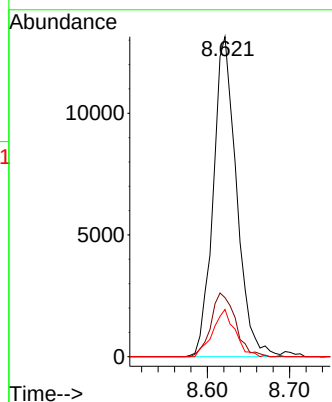
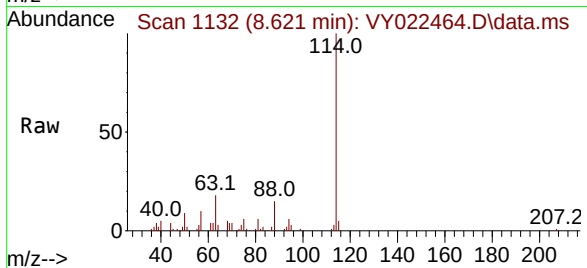
Tgt Ion:114 Resp: 25910

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 32.530 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022464.D

Acq: 29 May 2025 13:59

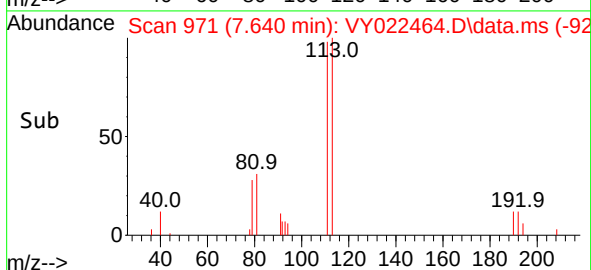
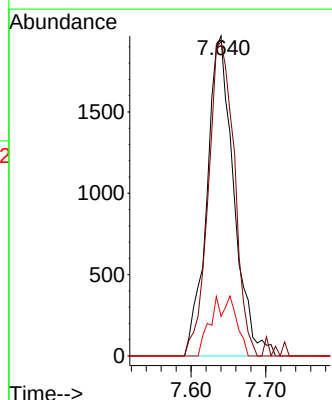
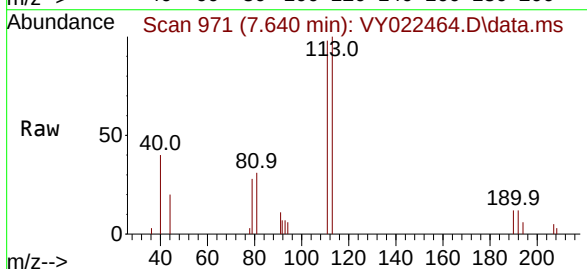
Tgt Ion:113 Resp: 4936

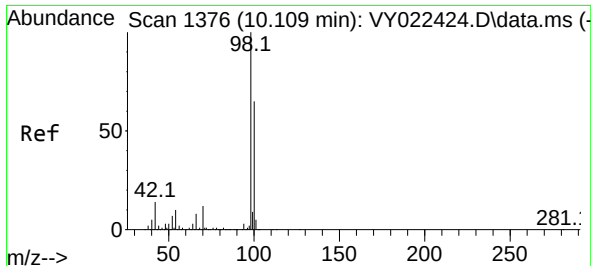
Ion Ratio Lower Upper

113 100

111 95.0 82.4 123.6

192 17.2 15.2 22.8

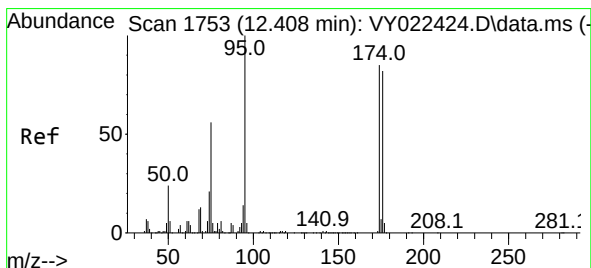
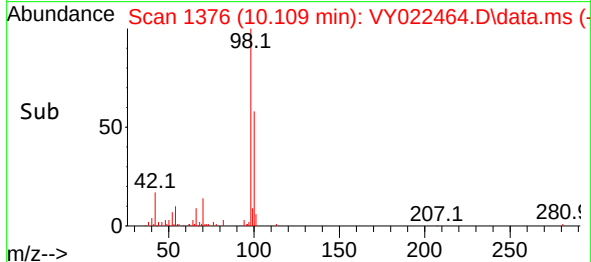
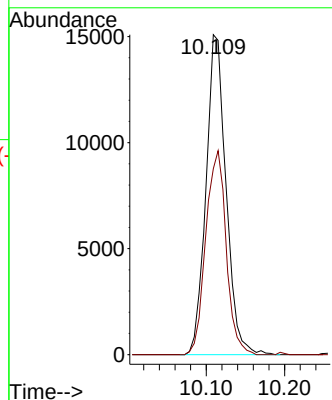
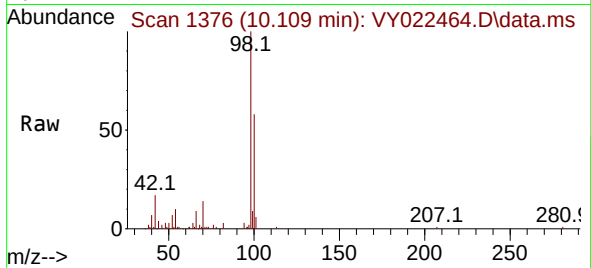




#50
Toluene-d8
Concen: 43.436 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

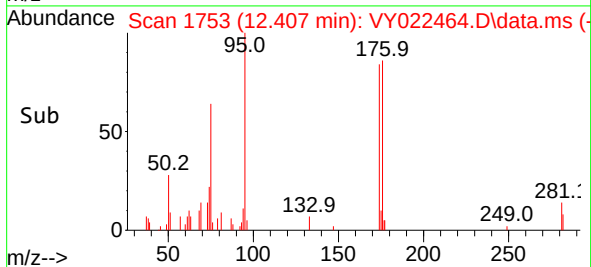
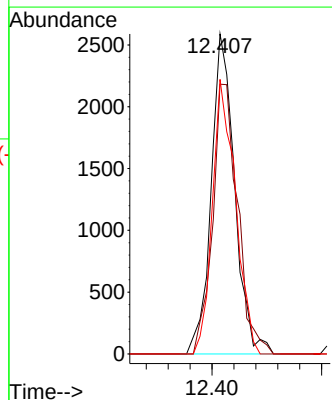
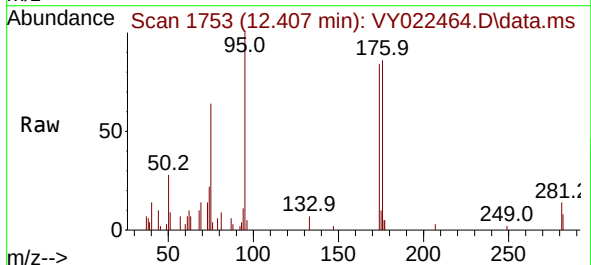
Instrument :
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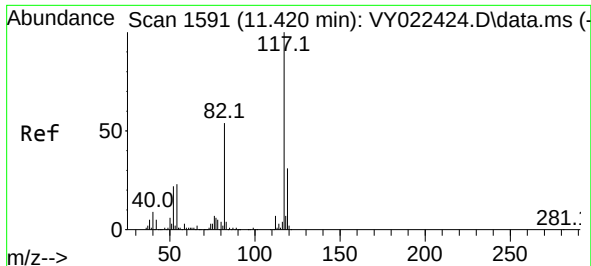
Tgt Ion: 98 Resp: 26868
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 20.534 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion: 95 Resp: 3842
Ion Ratio Lower Upper
95 100
174 89.8 0.0 171.6
176 84.4 0.0 164.6

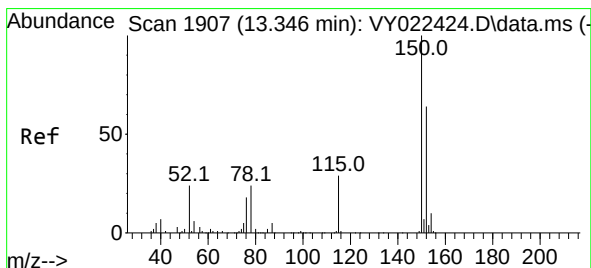
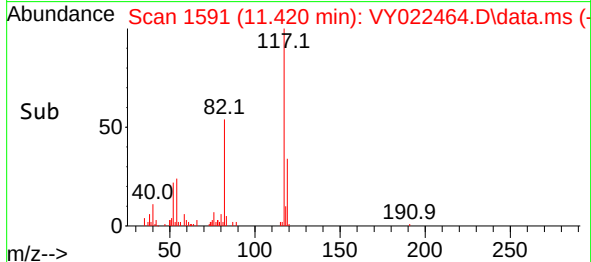
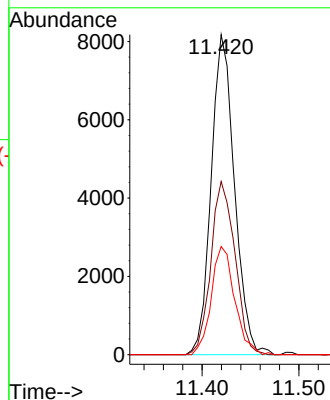
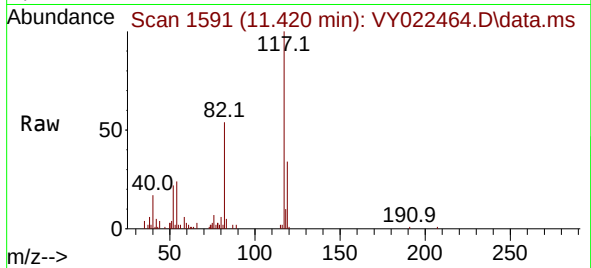




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Instrument :
MSVOA_Y
ClientSampleId :
TP-47

Tgt Ion:117	Resp:	13686
Ion Ratio	Lower	Upper
117	100	
82	54.1	43.3 64.9
119	33.8	24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022464.D
Acq: 29 May 2025 13:59

Tgt Ion:152	Resp:	2224
Ion Ratio	Lower	Upper
152	100	
115	60.9	28.4 85.3
150	163.4	0.0 345.8

