

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022374.D
 Acq On : 21 May 2025 17:52
 Operator : SY/MD
 Sample : Q2087-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-08-05202025

Quant Time: May 22 00:14:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	8844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	13543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	9134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3778	39.087	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.180%
35) Dibromofluoromethane	7.646	113	2221	27.477	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	54.960%
50) Toluene-d8	10.109	98	14727	44.485	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.980%
62) 4-Bromofluorobenzene	12.408	95	2453	23.377	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.760%

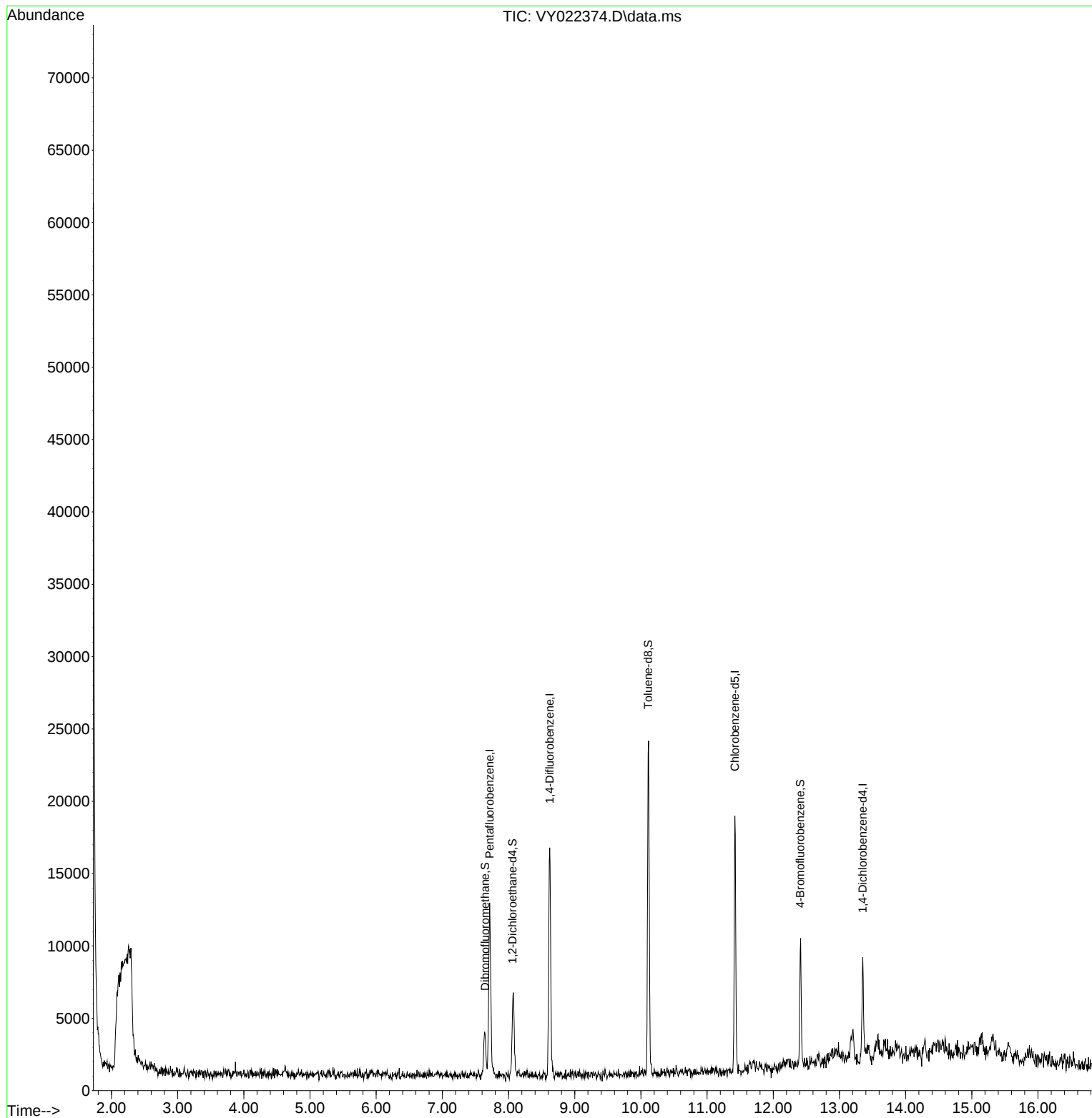
Target Compounds	Qvalue

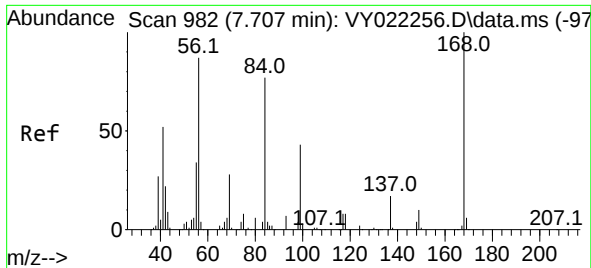
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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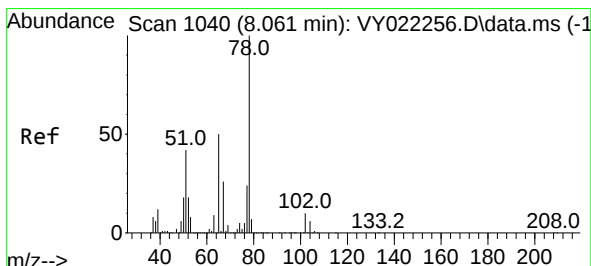
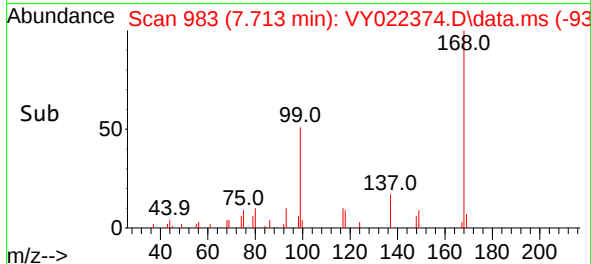
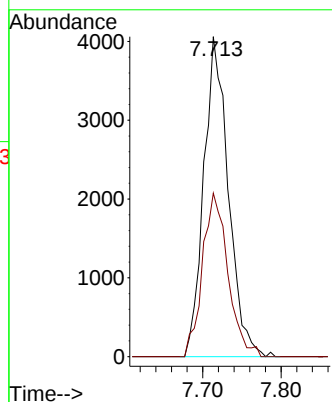
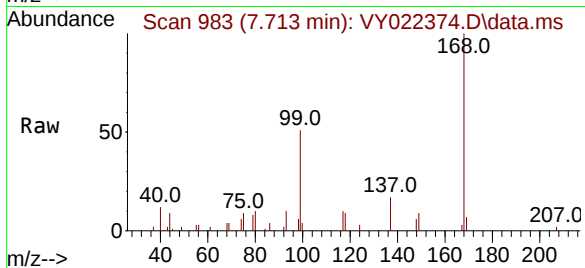




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022374.D
Acq: 21 May 2025 17:52

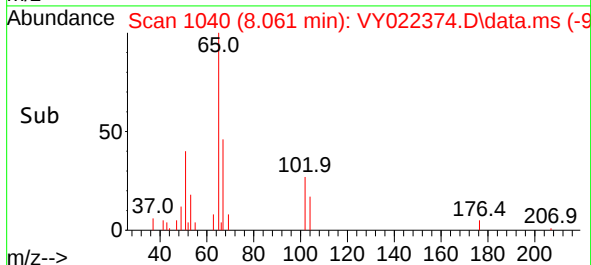
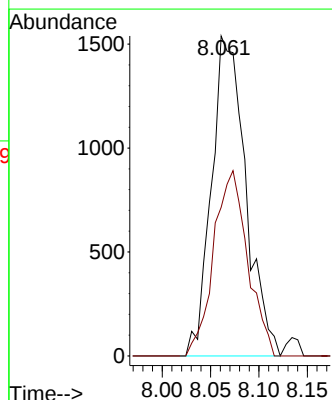
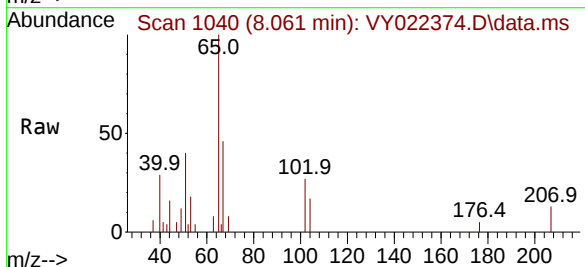
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025

Tgt Ion:168 Resp: 8844
Ion Ratio Lower Upper
168 100
99 51.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 39.087 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022374.D
Acq: 21 May 2025 17:52

Tgt Ion: 65 Resp: 3778
Ion Ratio Lower Upper
65 100
67 57.6 0.0 104.6

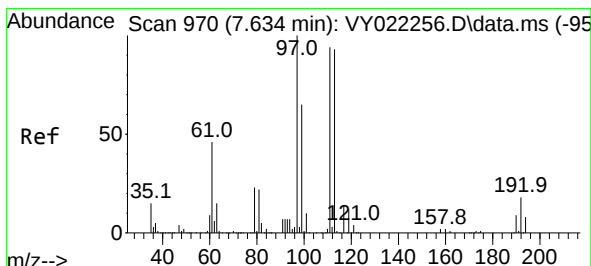
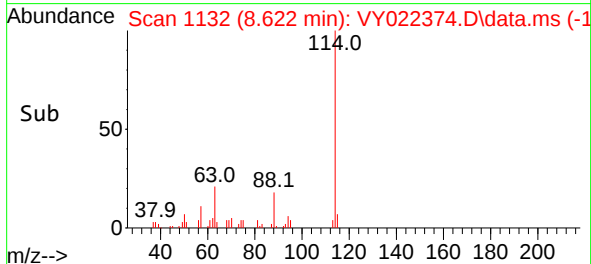
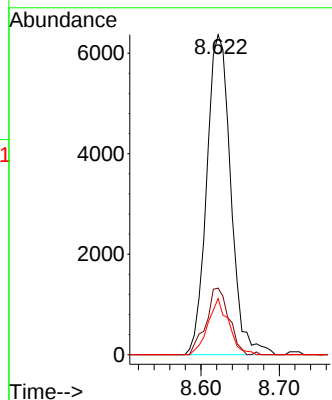
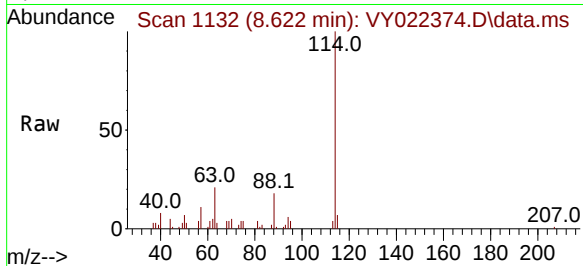




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022374.D
Acq: 21 May 2025 17:52

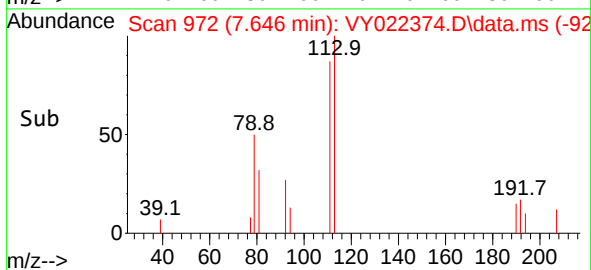
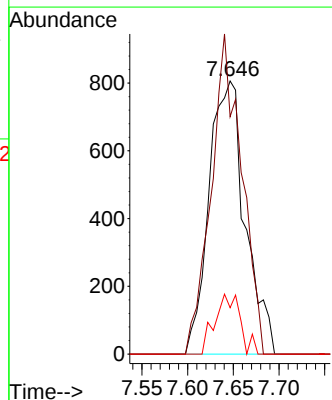
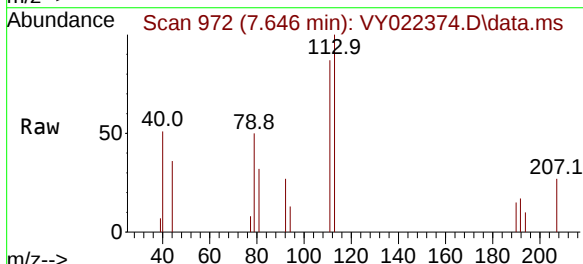
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025

Tgt Ion:	114	Resp:	13543
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	17.5	0.0	29.4



#35
Dibromofluoromethane
Concen: 27.477 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022374.D
Acq: 21 May 2025 17:52

Tgt Ion:	113	Resp:	2221
Ion	Ratio	Lower	Upper
113	100		
111	98.9	82.6	123.8
192	15.4	15.2	22.8

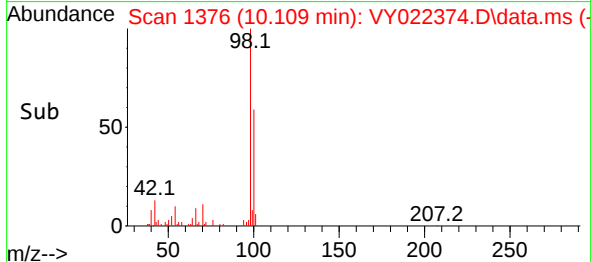
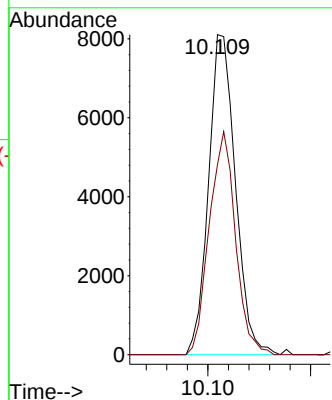
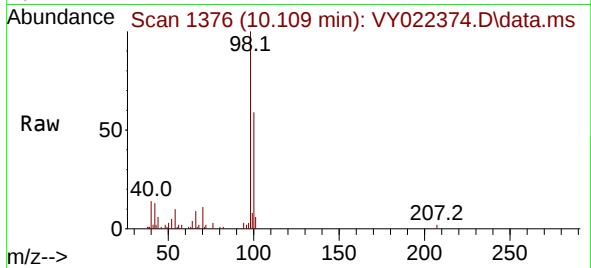




#50
Toluene-d8
Concen: 44.485 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022374.D
Acq: 21 May 2025 17:52

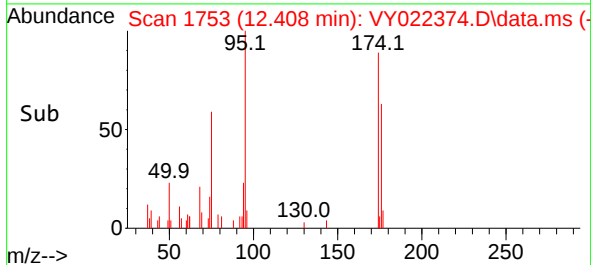
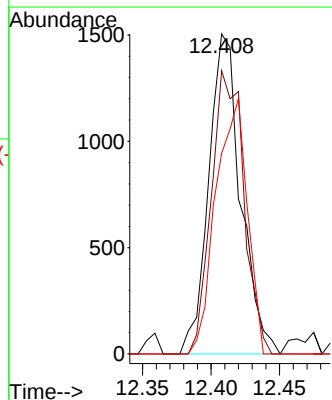
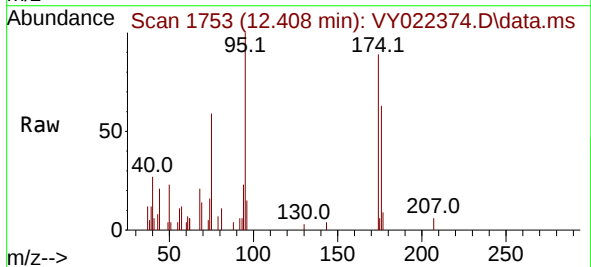
Instrument :
MSVOA_Y
ClientSampleId :
NB-08-05202025

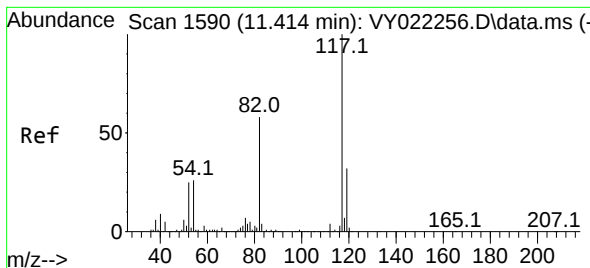
Tgt Ion: 98 Resp: 14727
Ion Ratio Lower Upper
98 100
100 67.9 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 23.377 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022374.D
Acq: 21 May 2025 17:52

Tgt Ion: 95 Resp: 2453
Ion Ratio Lower Upper
95 100
174 89.3 0.0 166.8
176 78.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022374.D

Acq: 21 May 2025 17:52

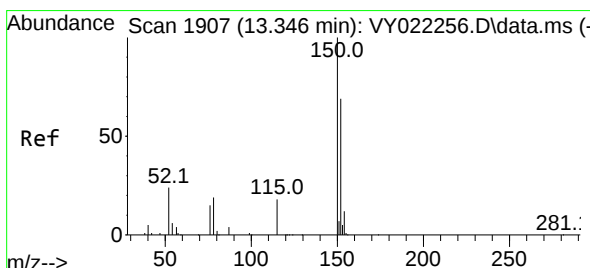
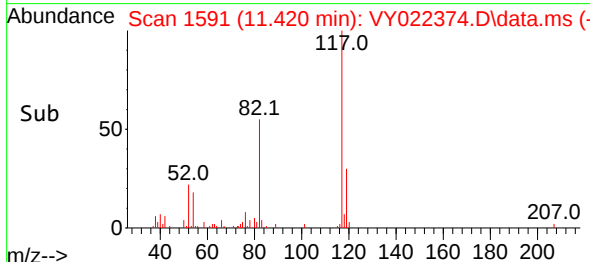
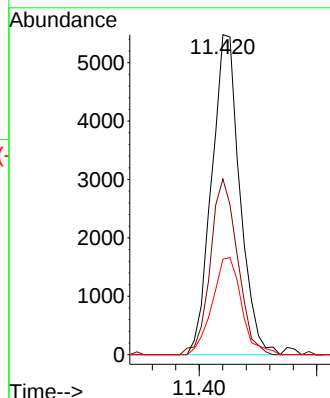
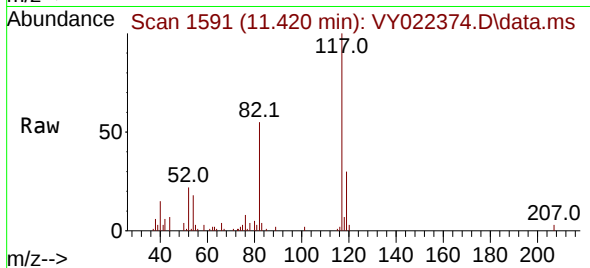
Instrument :

MSVOA_Y

ClientSampleId :

NB-08-05202025

Tgt Ion:117	Resp:	9134
Ion	Ratio	Lower Upper
117	100	
82	54.9	46.6 70.0
119	29.8	25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022374.D

Acq: 21 May 2025 17:52

Tgt Ion:152	Resp:	1807
Ion	Ratio	Lower Upper
152	100	
115	54.4	29.4 88.2
150	128.7	0.0 353.8

