

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021253.D
 Acq On : 20 Feb 2025 16:42
 Operator : SY/MD
 Sample : Q1383-05
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-13-021725

Quant Time: Feb 21 02:43:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	6320	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	9395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	5419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	728	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	2951	45.573	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.140%
35) Dibromofluoromethane	7.640	113	3073	51.038	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.080%
50) Toluene-d8	10.121	98	10109	44.101	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.200%
62) 4-Bromofluorobenzene	12.420	95	1195	15.958	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	31.920%

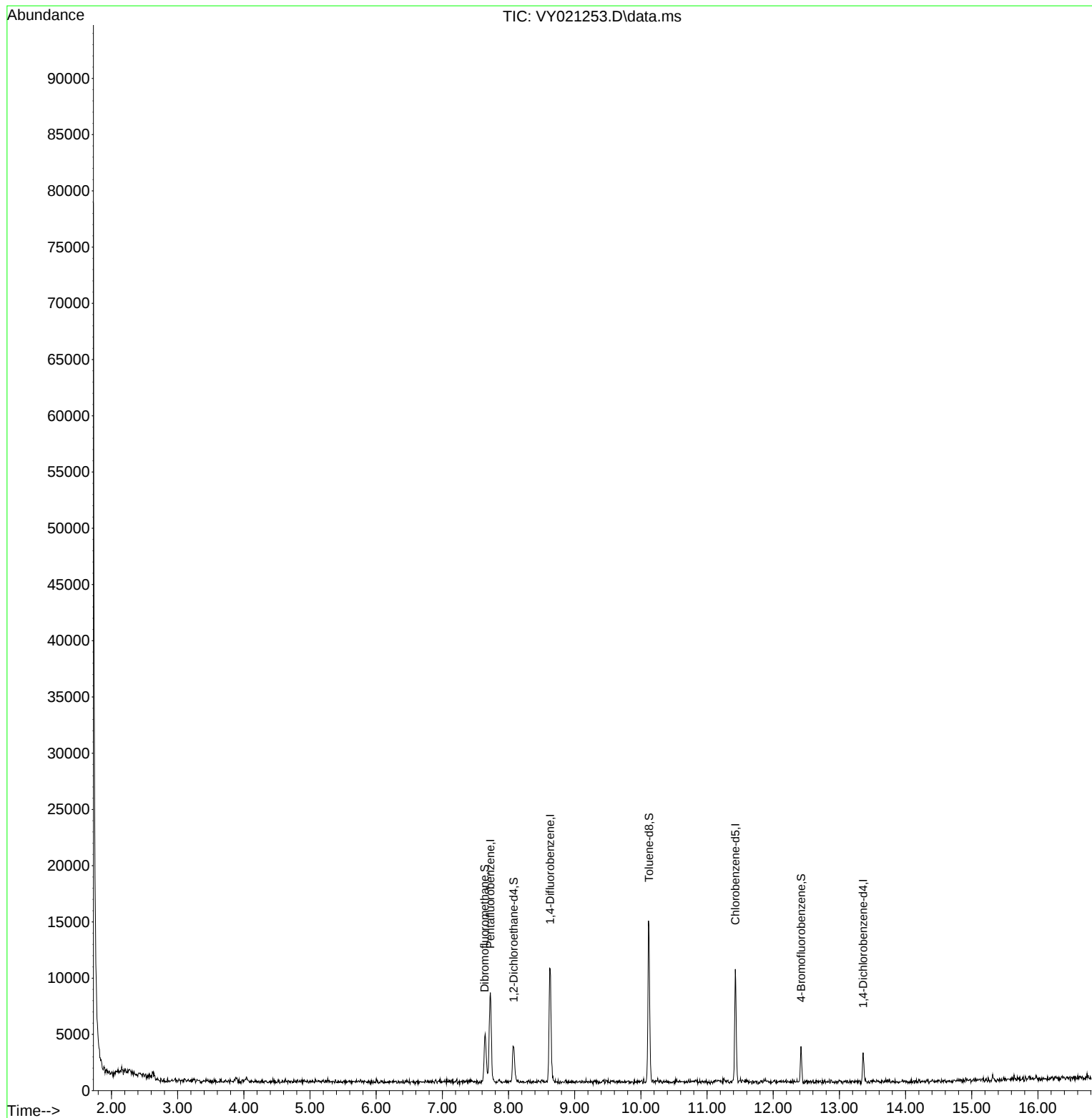
Target Compounds	Qvalue

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

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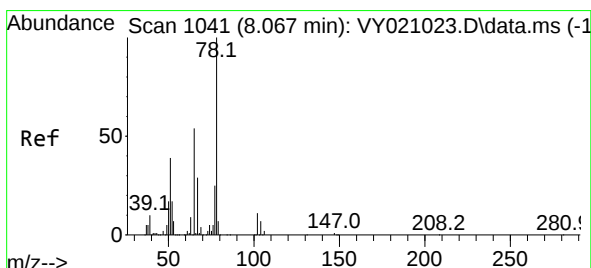
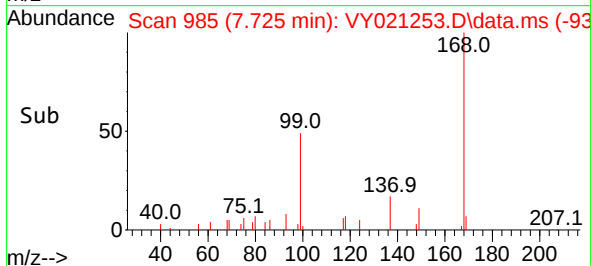
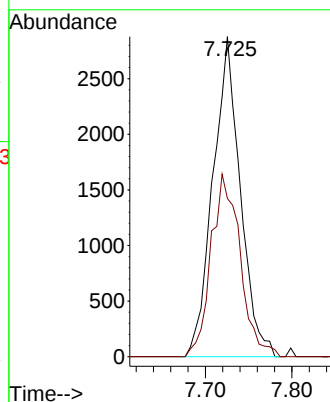
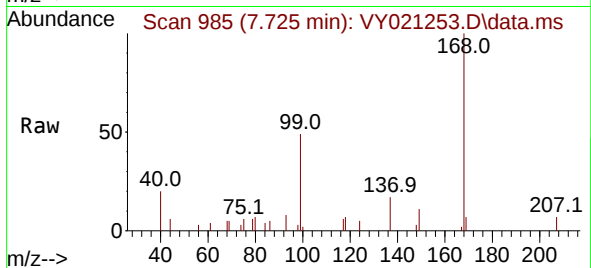




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 99
Delta R.T. 0.012 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

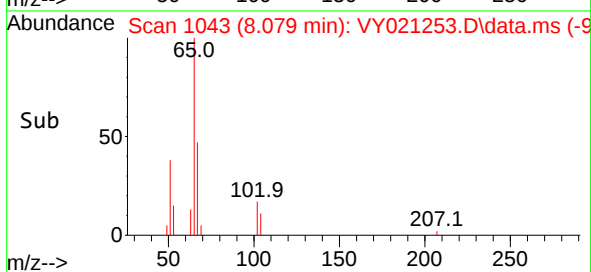
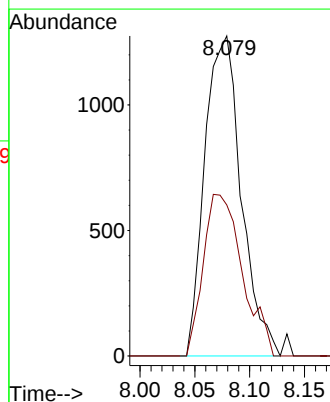
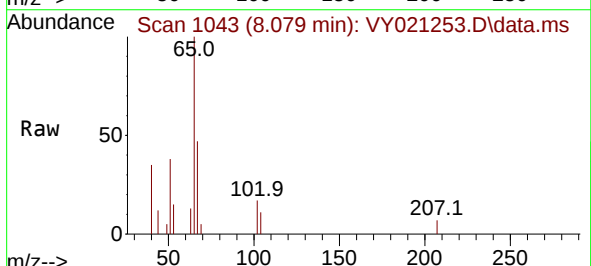
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-13-021725

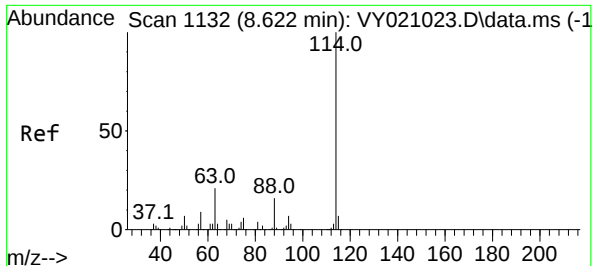
Tgt Ion:168 Resp: 6320
Ion Ratio Lower Upper
168 100
99 49.4 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.573 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Tgt Ion: 65 Resp: 2951
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

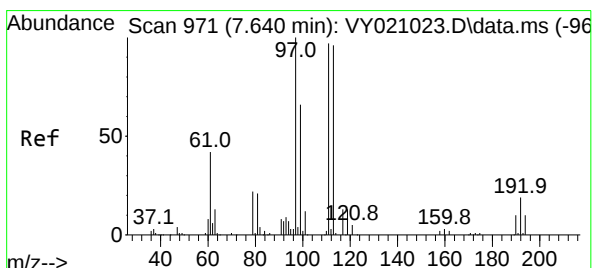
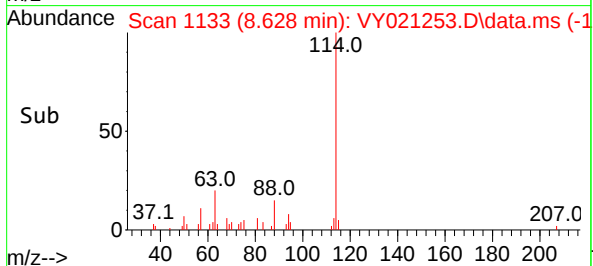
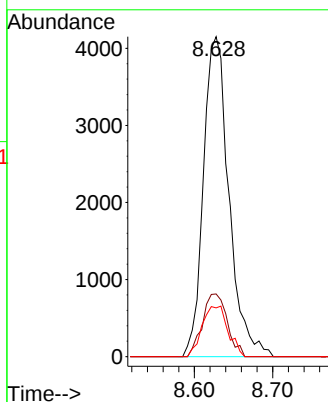
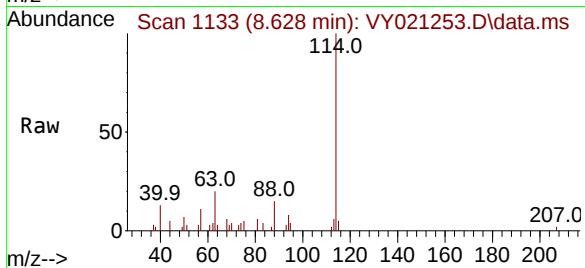
Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-13-021725

Tgt Ion:114	Resp:	9395
Ion	Ratio	Lower Upper
114	100	
63	19.6	0.0 37.4
88	15.2	0.0 29.0



#35

Dibromofluoromethane

Concen: 51.038 ug/l

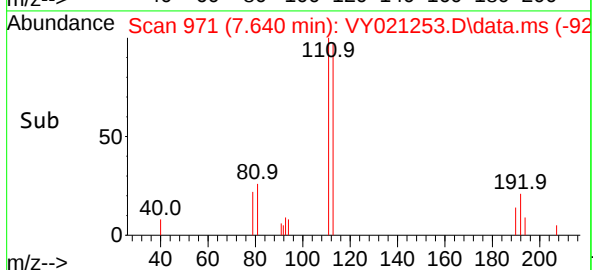
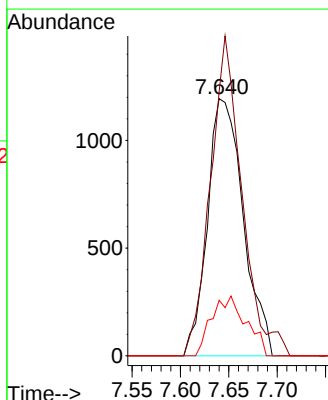
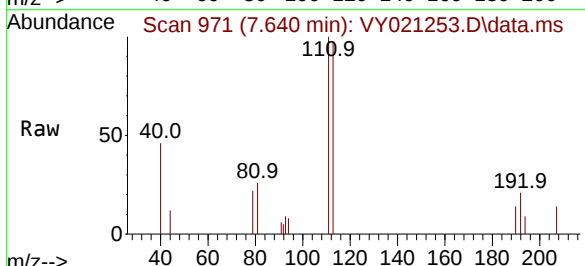
RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

Tgt Ion:113	Resp:	3073
Ion	Ratio	Lower Upper
113	100	
111	109.5	83.8 125.6
192	22.4	14.5 21.7#

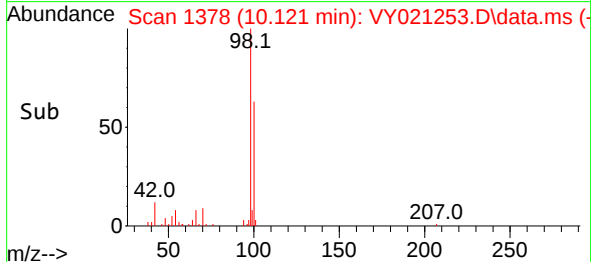
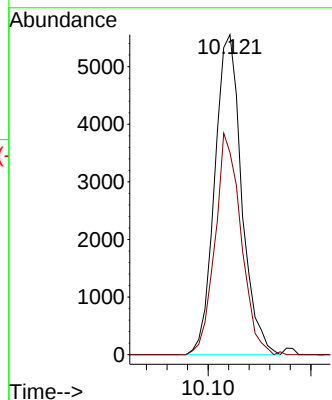
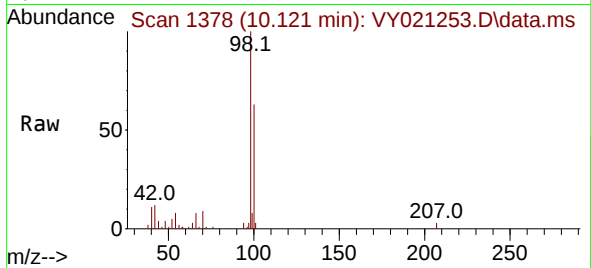




#50
Toluene-d8
Concen: 44.101 ug/l
RT: 10.121 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

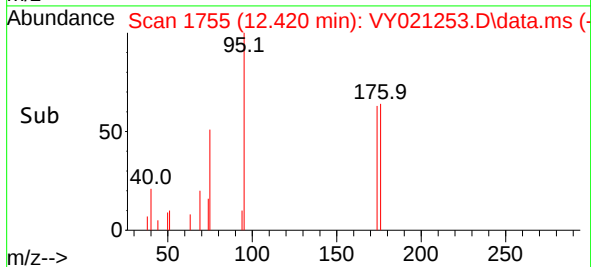
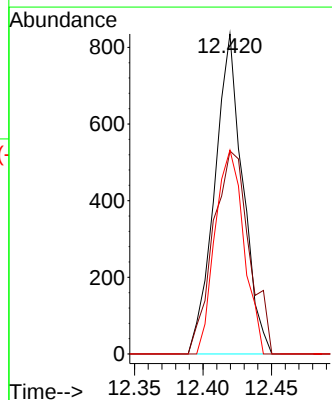
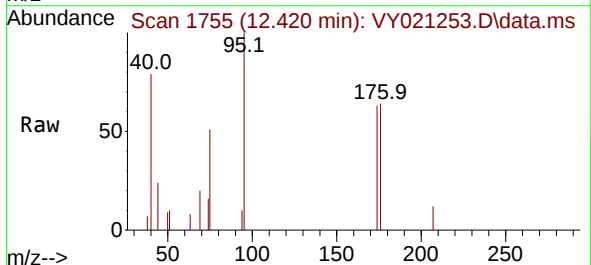
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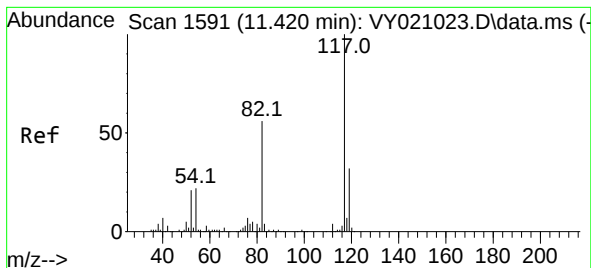
Tgt Ion: 98 Resp: 10109
Ion Ratio Lower Upper
98 100
100 66.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.958 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY021253.D
Acq: 20 Feb 2025 16:42

Tgt Ion: 95 Resp: 1195
Ion Ratio Lower Upper
95 100
174 81.0 0.0 160.0
176 65.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

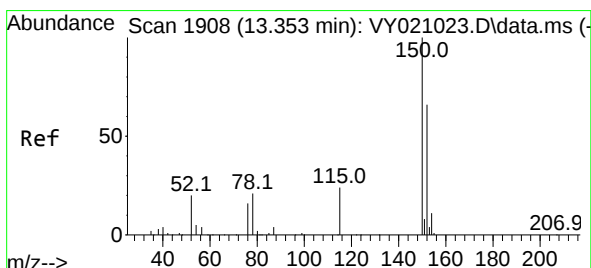
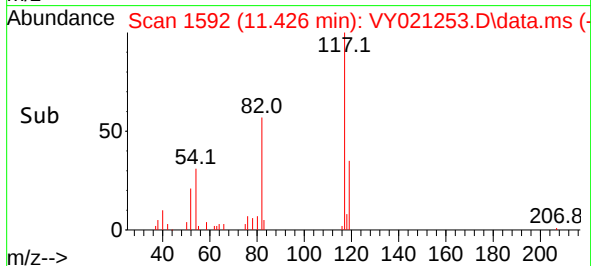
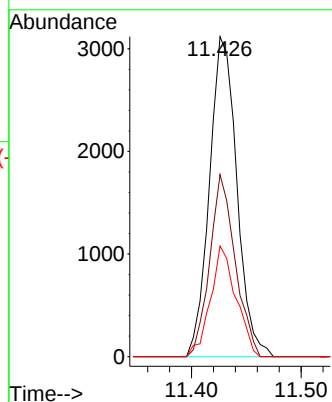
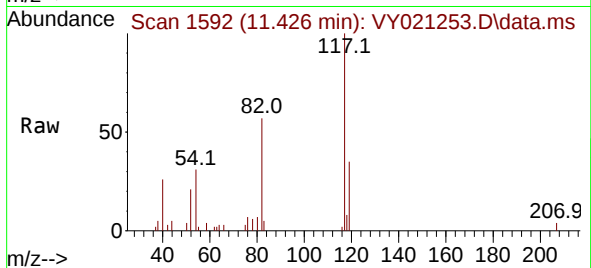
Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-13-021725

Tgt Ion:	117	Resp:	5419
Ion	Ratio	Lower	Upper
117	100		
82	56.9	43.8	65.8
119	34.6	26.5	39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021253.D

Acq: 20 Feb 2025 16:42

Tgt Ion:	152	Resp:	728
Ion	Ratio	Lower	Upper
152	100		
115	52.9	30.0	90.0
150	186.1	0.0	344.6

