

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022503.D
 Acq On : 02 Jun 2025 17:34
 Operator : SY/MD
 Sample : Q2152-01
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-05292025

Quant Time: Jun 03 04:08:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	5540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	9515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	6126	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	3259	52.597	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.200%	
35) Dibromofluoromethane	7.640	113	2037	35.867	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 71.740%	
50) Toluene-d8	10.109	98	10756	46.871	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.740%	
62) 4-Bromofluorobenzene	12.408	95	1359	19.876	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 39.760%	

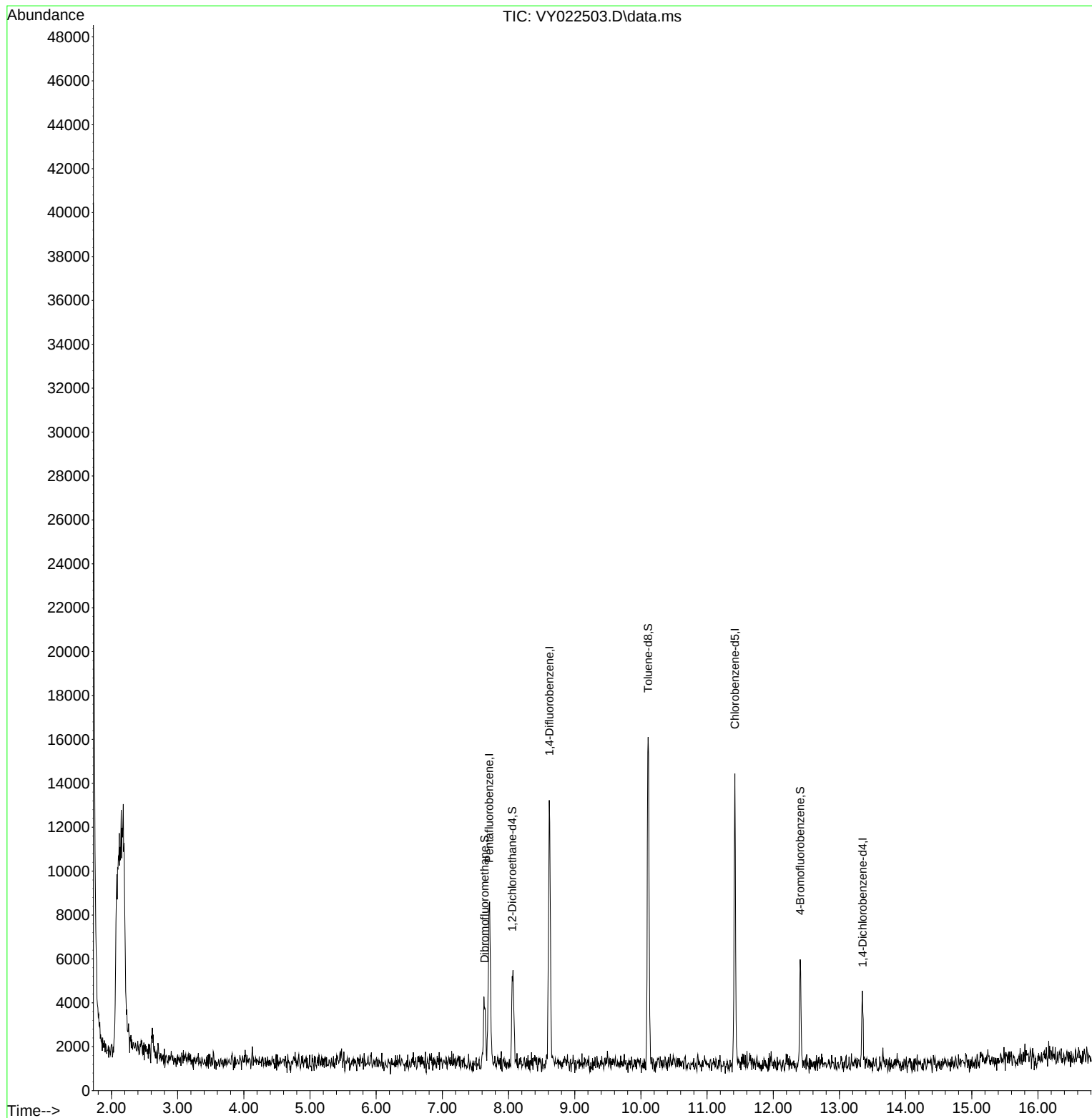
Target Compounds	Qvalue

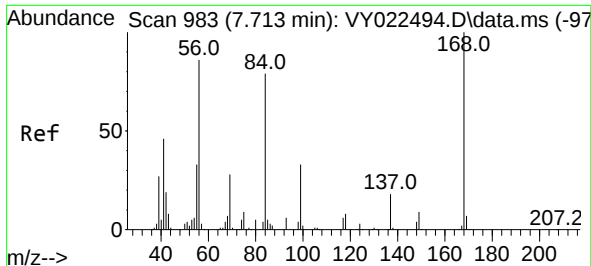
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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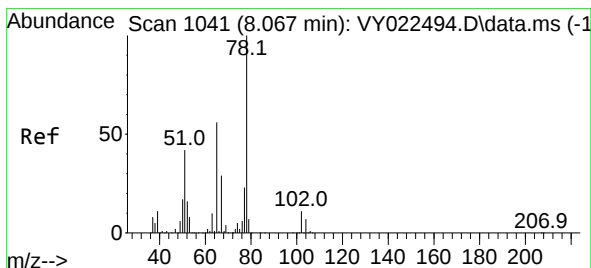
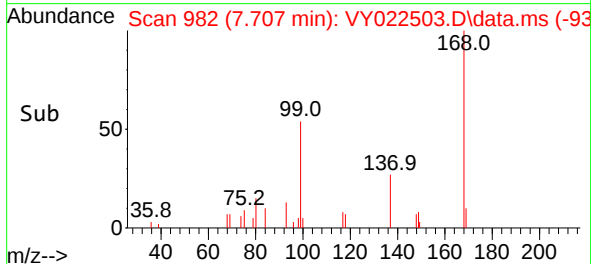
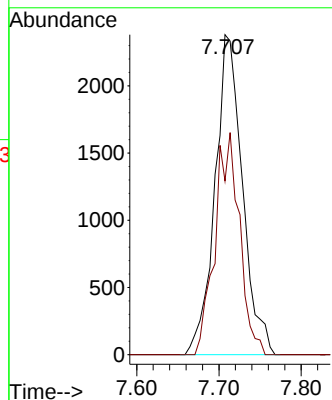
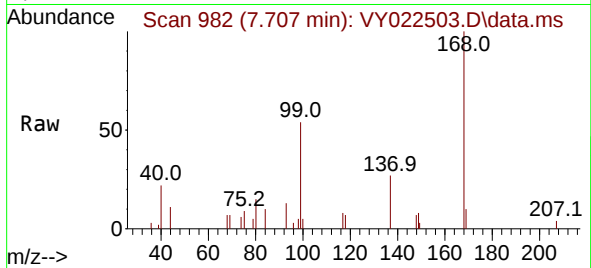




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022503.D
Acq: 02 Jun 2025 17:34

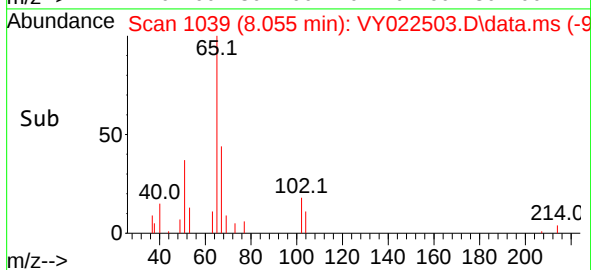
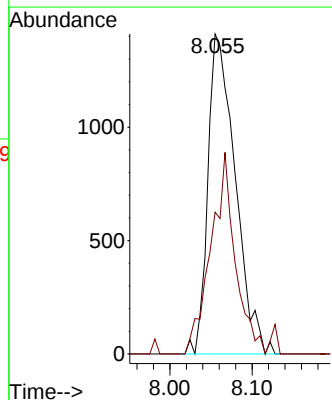
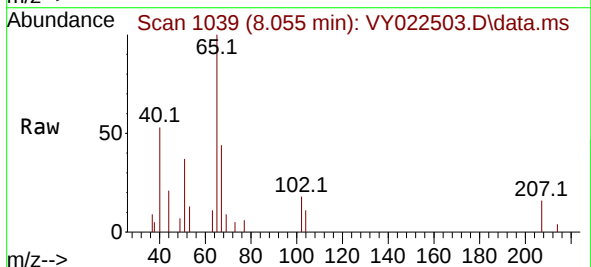
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-05292025

Tgt Ion:168 Resp: 5540
Ion Ratio Lower Upper
168 100
99 54.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 52.597 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022503.D
Acq: 02 Jun 2025 17:34

Tgt Ion: 65 Resp: 3259
Ion Ratio Lower Upper
65 100
67 56.3 0.0 103.4

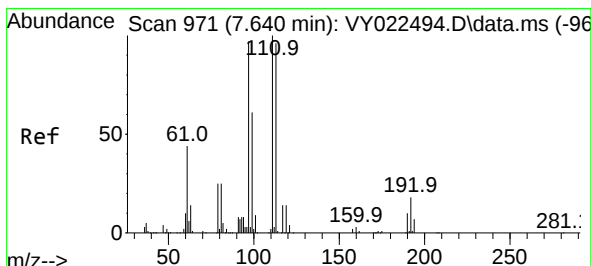
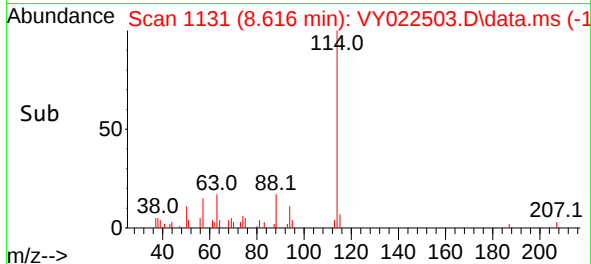
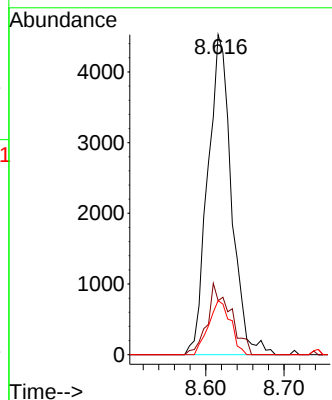
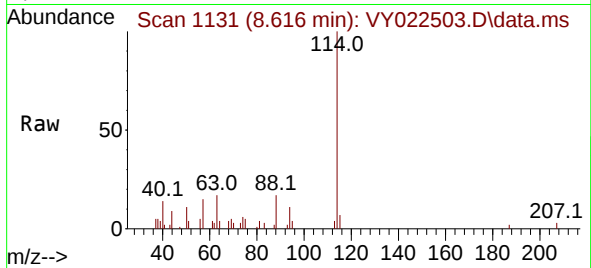




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022503.D
Acq: 02 Jun 2025 17:34

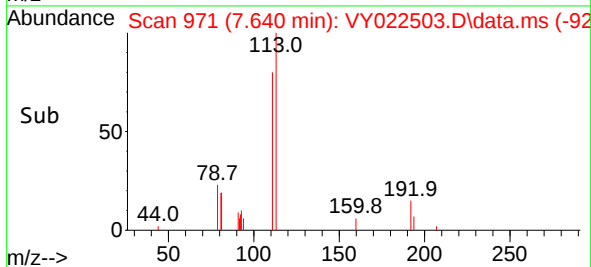
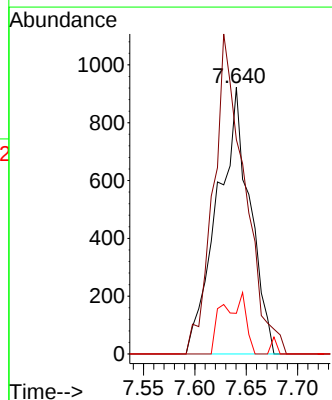
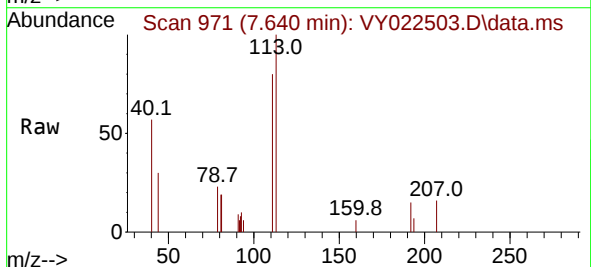
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-05292025

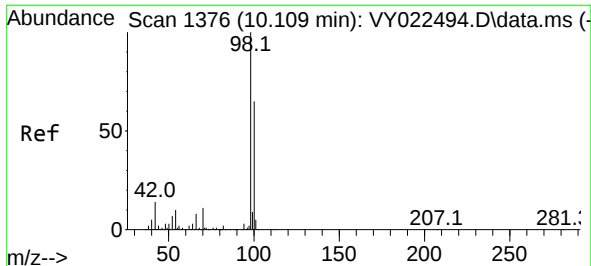
Tgt Ion:	114	Resp:	9515
Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	40.8
88	16.9	0.0	27.8



#35
Dibromofluoromethane
Concen: 35.867 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022503.D
Acq: 02 Jun 2025 17:34

Tgt Ion:	113	Resp:	2037
Ion	Ratio	Lower	Upper
113	100		
111	114.6	81.1	121.7
192	16.0	14.2	21.2

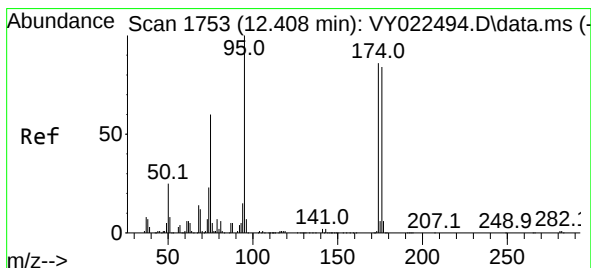
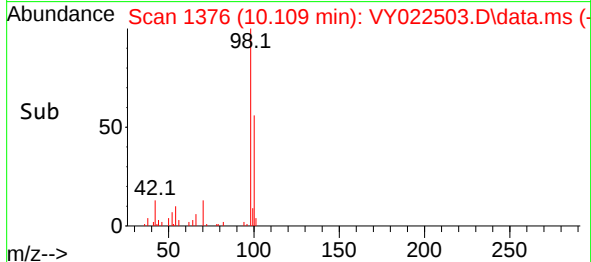
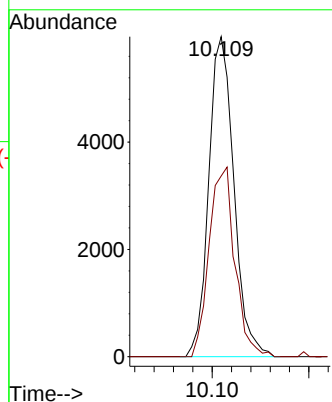
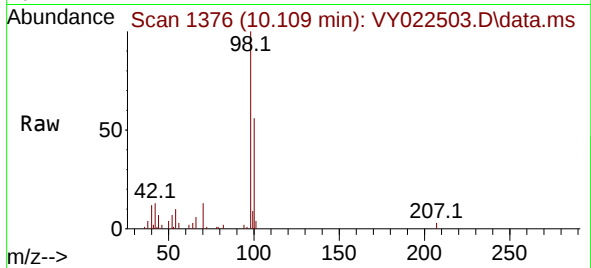




#50
Toluene-d8
Concen: 46.871 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022503.D
Acq: 02 Jun 2025 17:34

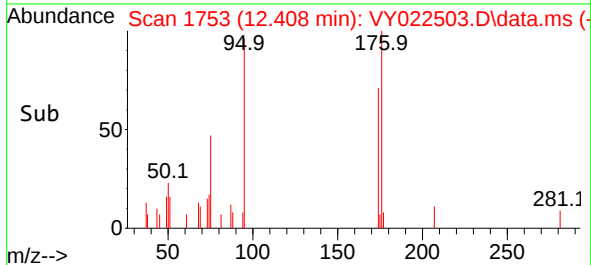
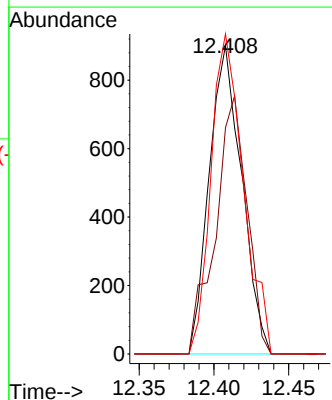
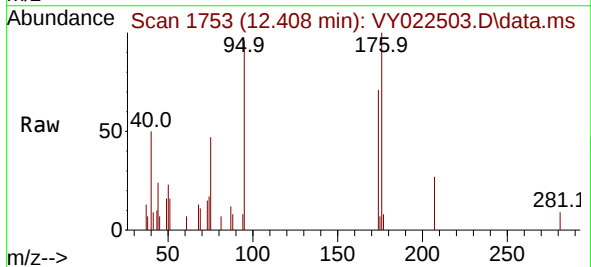
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-05292025

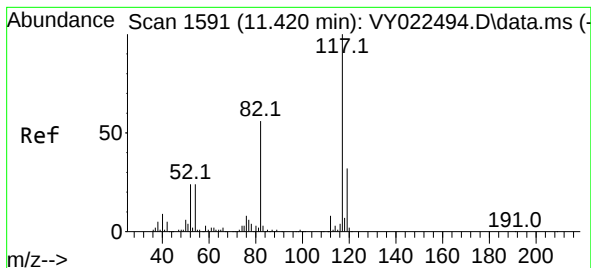
Tgt Ion: 98 Resp: 10756
Ion Ratio Lower Upper
98 100
100 60.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 19.876 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022503.D
Acq: 02 Jun 2025 17:34

Tgt Ion: 95 Resp: 1359
Ion Ratio Lower Upper
95 100
174 81.6 0.0 170.0
176 103.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022503.D

Acq: 02 Jun 2025 17:34

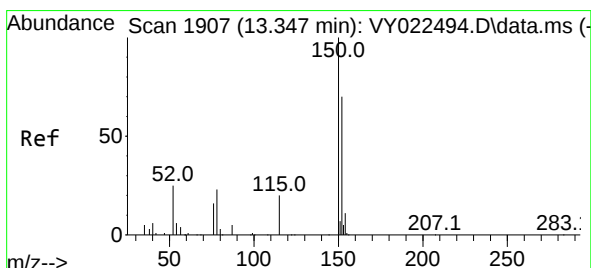
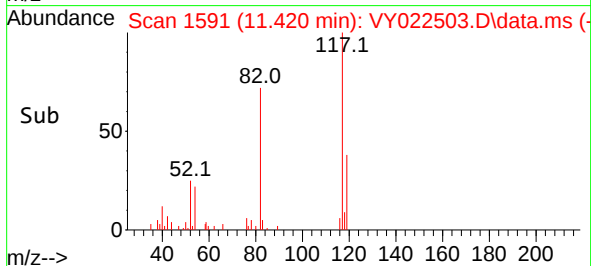
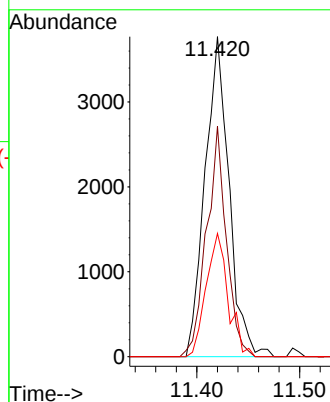
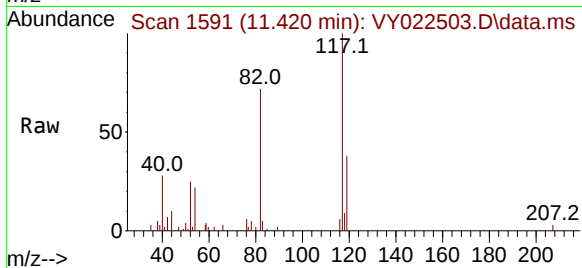
Instrument :

MSVOA_Y

ClientSampleId :

OK-02-05292025

Tgt Ion:117	Resp:	6126
Ion Ratio	Lower	Upper
117	100	
82	72.0	44.6 66.8#
119	38.5	25.4 38.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022503.D

Acq: 02 Jun 2025 17:34

Tgt Ion:152	Resp:	891
Ion Ratio	Lower	Upper
152	100	
115	58.5	28.9 86.7
150	153.2	0.0 349.6

