

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021047.D
 Acq On : 04 Feb 2025 10:15
 Operator : SY/MD
 Sample : VY0204SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBL01

Quant Time: Feb 05 00:43:02 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	7.713	168	173019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	321305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	114535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101700	57.369	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.740%
35) Dibromofluoromethane	7.634	113	106203	51.576	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.160%
50) Toluene-d8	10.109	98	390070	49.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.408	95	121663	47.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.020%

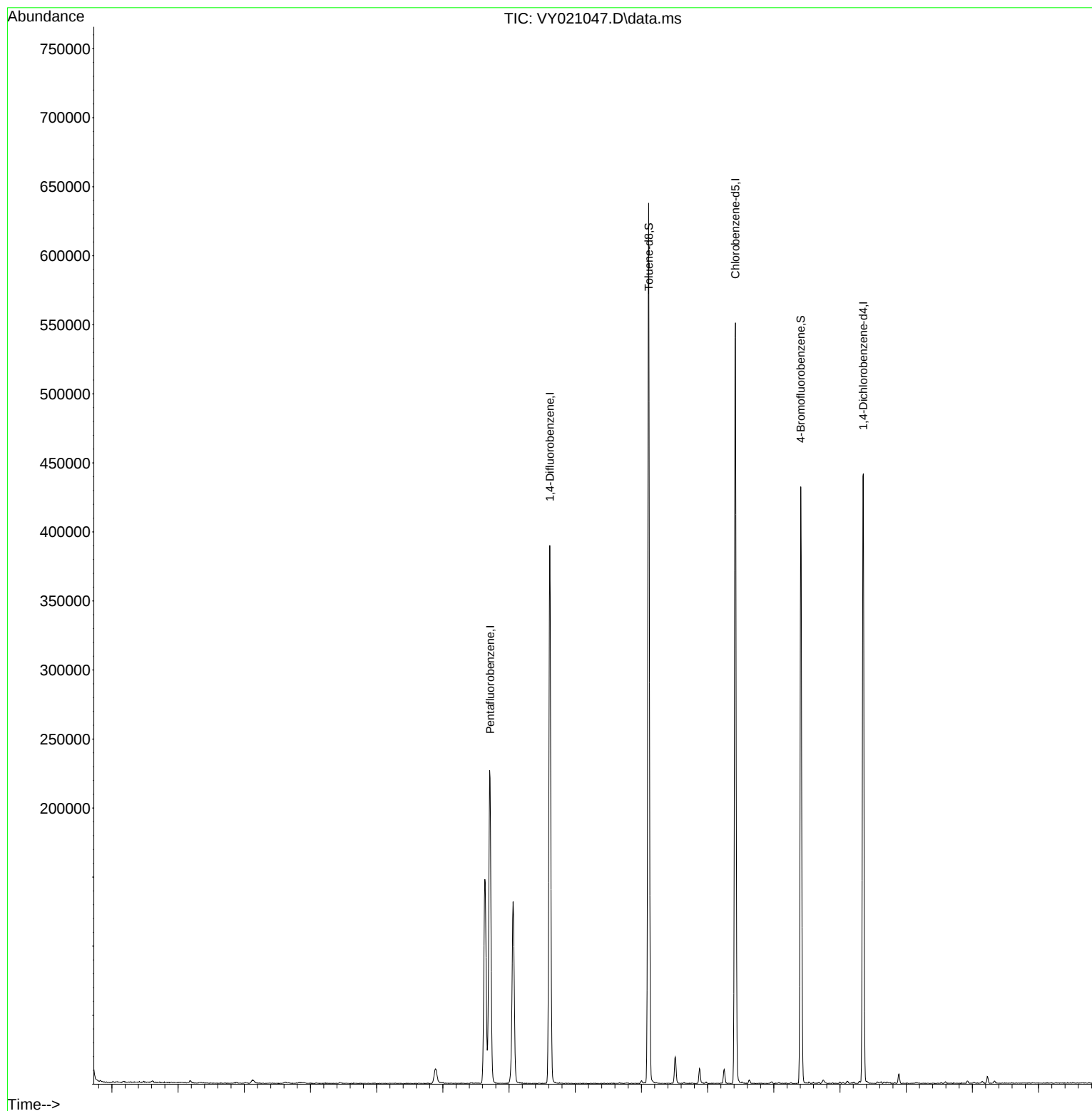
Target Compounds Qvalue

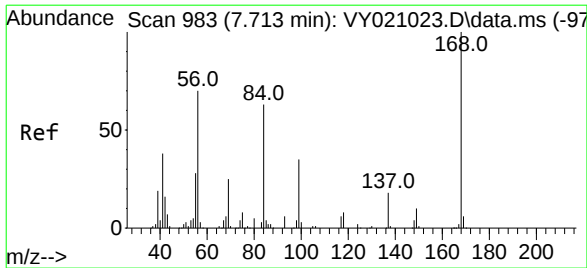
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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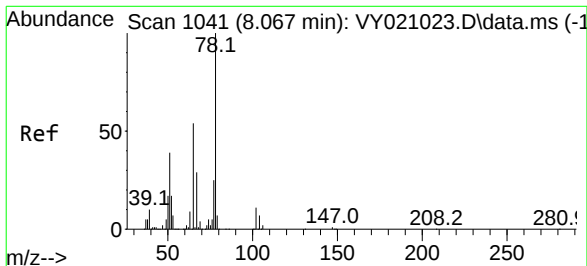
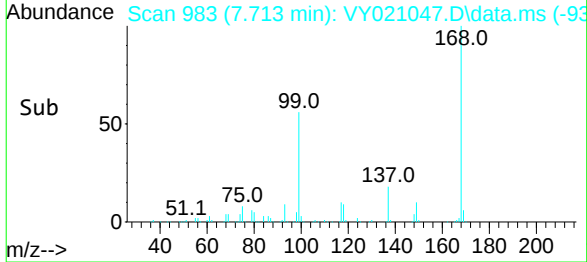
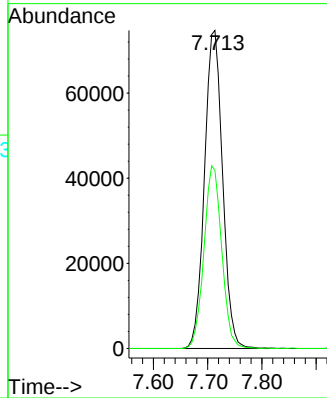
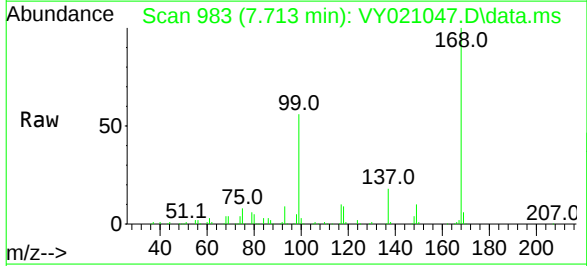




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

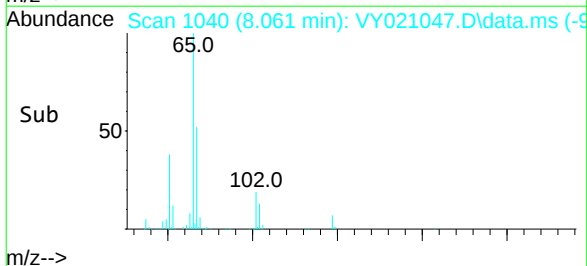
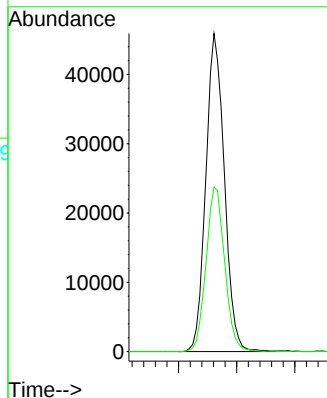
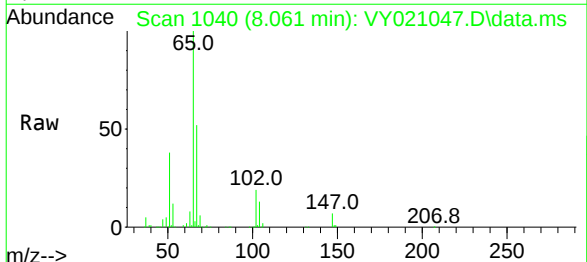
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

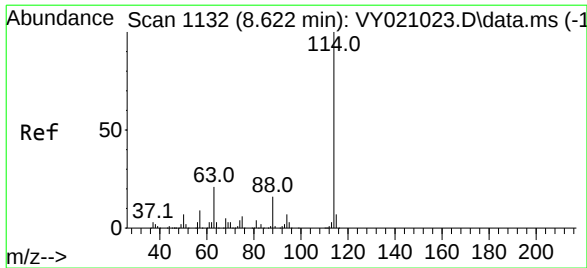
Tgt Ion:168 Resp: 173019
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 57.369 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion: 65 Resp: 101700
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.0

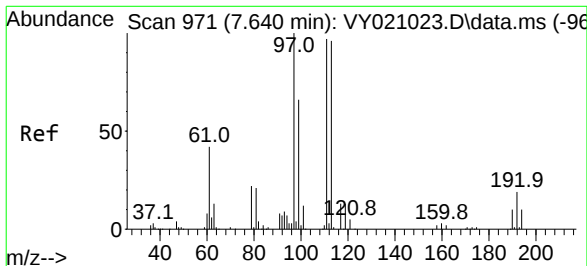
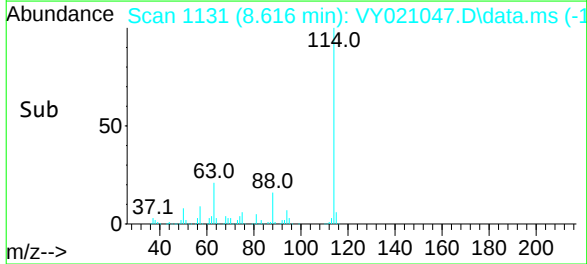
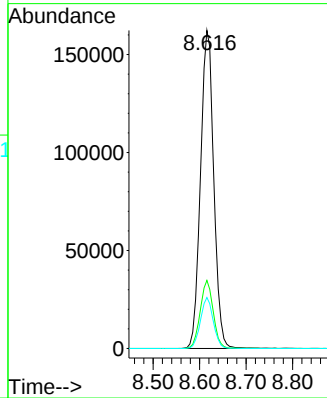
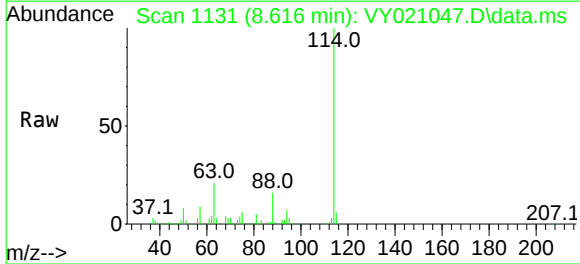




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

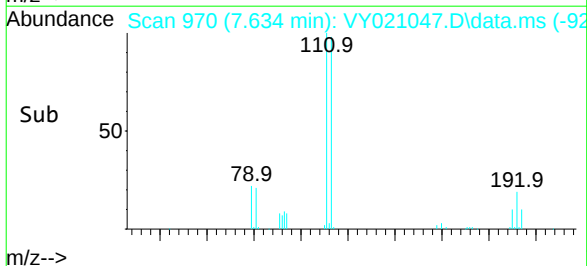
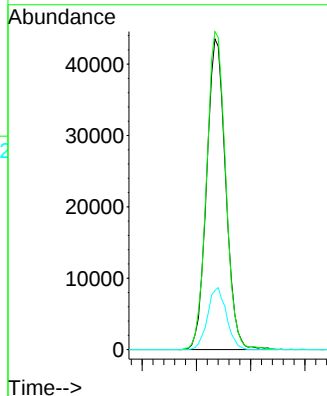
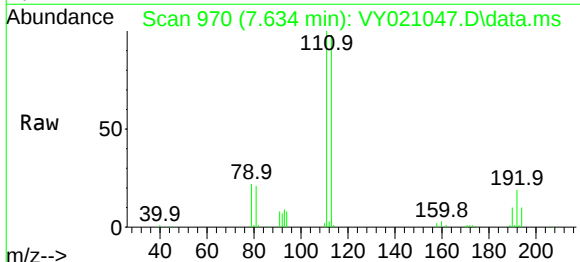
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBL01

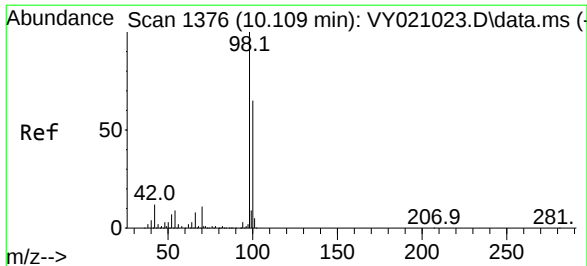
Tgt Ion:	114	Resp:	321305
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	37.4
88	16.0	0.0	29.0



#35
Dibromofluoromethane
Concen: 51.576 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021047.D
Acq: 04 Feb 2025 10:15

Tgt Ion:	113	Resp:	106203
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.8	125.6
192	19.8	14.5	21.7





#50

Toluene-d8

Concen: 49.758 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021047.D

Acq: 04 Feb 2025 10:15

Instrument :

MSVOA_Y

ClientSampleId :

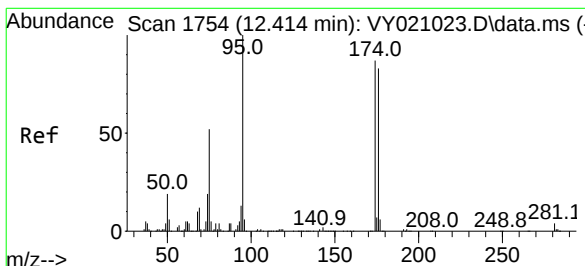
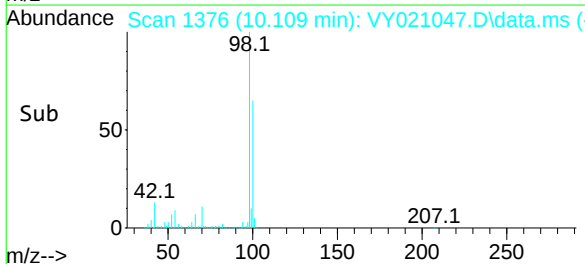
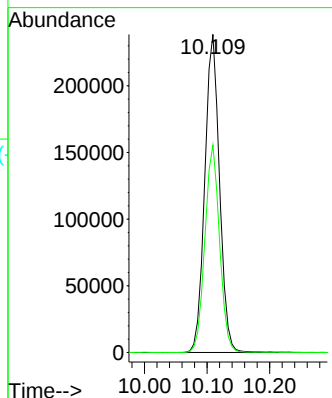
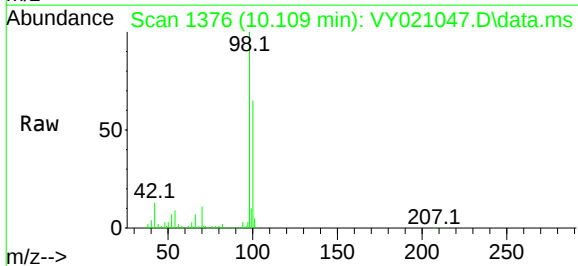
VY0204SBL01

Tgt Ion: 98 Resp: 390070

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.505 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021047.D

Acq: 04 Feb 2025 10:15

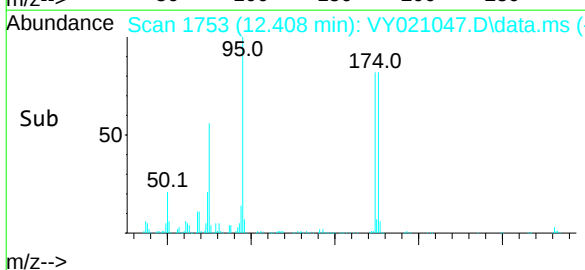
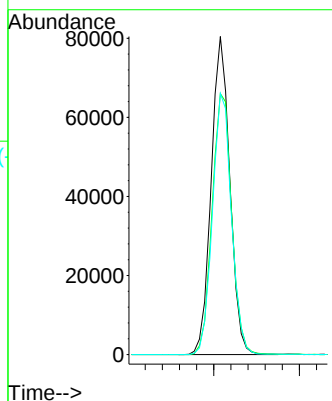
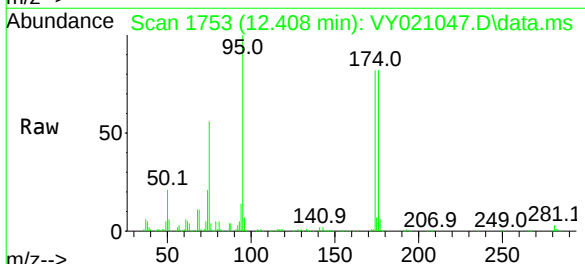
Tgt Ion: 95 Resp: 121663

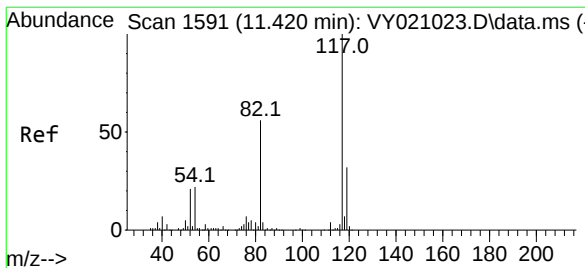
Ion Ratio Lower Upper

95 100

174 85.9 0.0 160.0

176 83.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021047.D

Acq: 04 Feb 2025 10:15

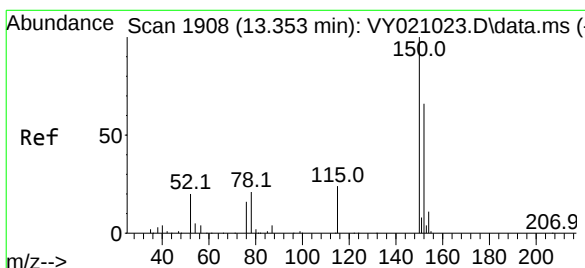
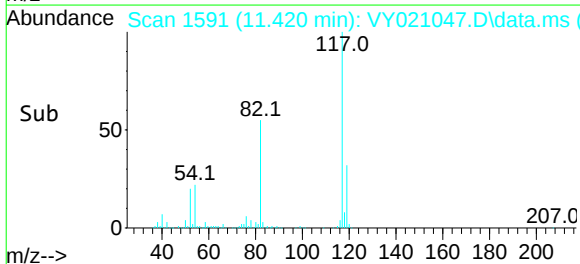
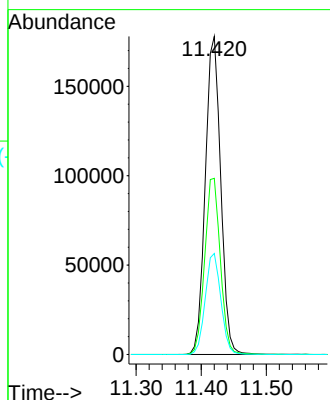
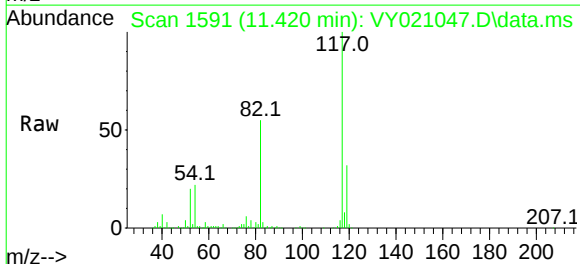
Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBL01

Tgt Ion:	117	Resp:	292351
Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.8	65.8
119	31.8	26.5	39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021047.D

Acq: 04 Feb 2025 10:15

Tgt Ion:	152	Resp:	114535
Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.0	90.0
150	155.3	0.0	344.6

