

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020965.D
 Acq On : 29 Jan 2025 13:13
 Operator : SY/MD
 Sample : Q1209-03RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOCRE

Quant Time: Jan 30 00:35:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	140559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	212489	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	172995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	71974	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	55478	49.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.000%
35) Dibromofluoromethane	7.634	113	58116	47.641	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.280%
50) Toluene-d8	10.109	98	207903	43.939	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.880%
62) 4-Bromofluorobenzene	12.414	95	60825	38.626	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	77.260%

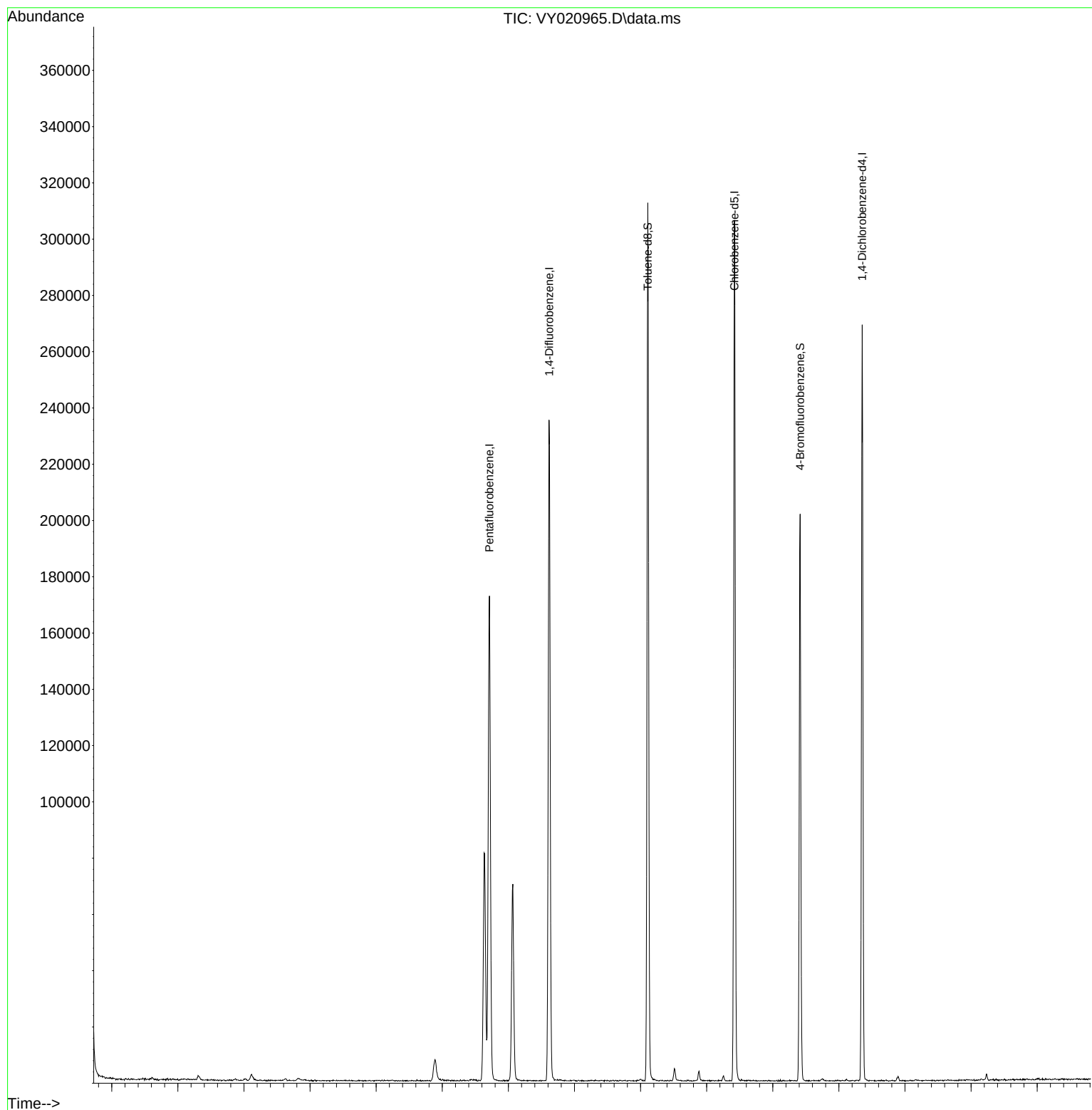
Target Compounds	Qvalue

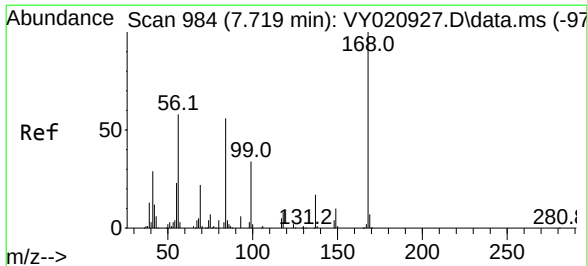
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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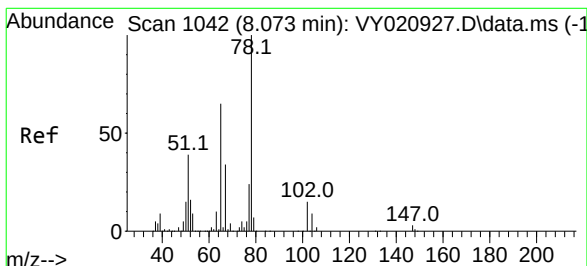
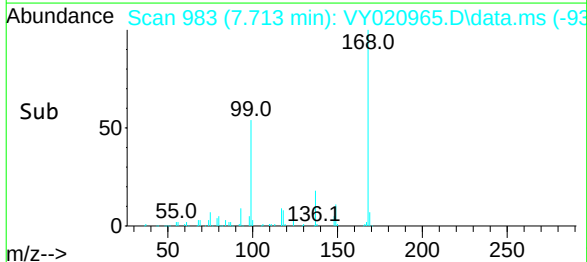
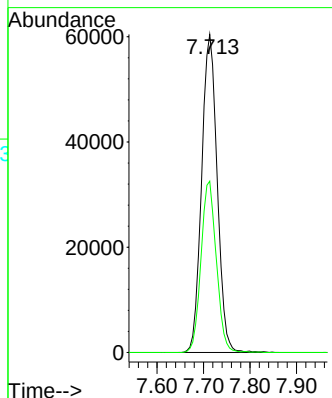
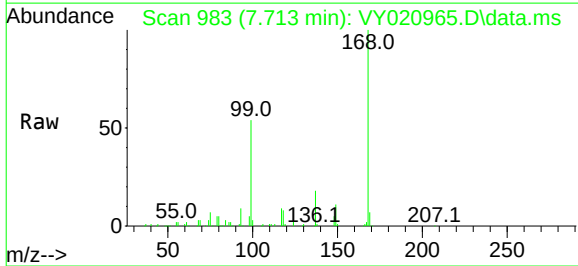




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020965.D
Acq: 29 Jan 2025 13:13

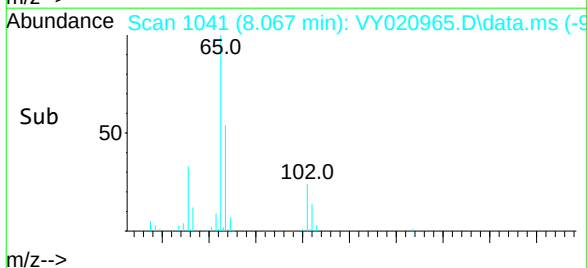
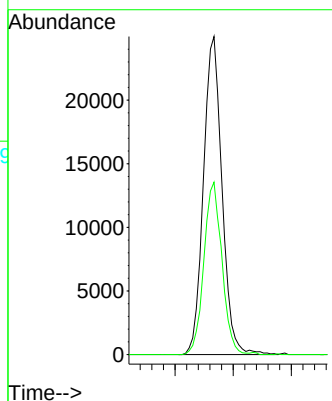
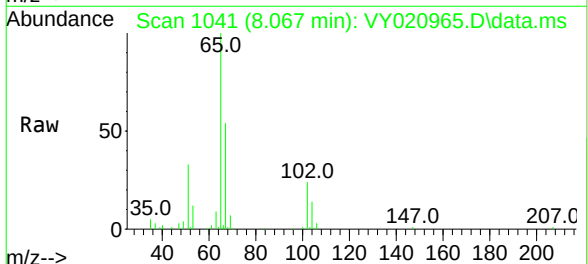
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOCRE

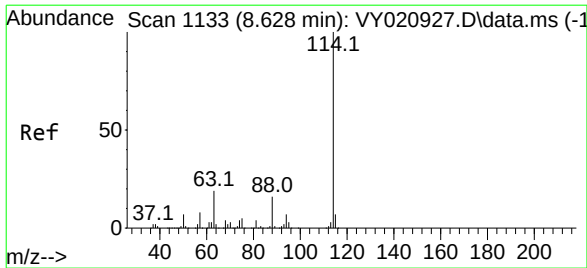
Tgt Ion:168 Resp: 140559
Ion Ratio Lower Upper
168 100
99 53.9 43.0 64.6



#33
1,2-Dichloroethane-d4
Concen: 49.504 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020965.D
Acq: 29 Jan 2025 13:13

Tgt Ion: 65 Resp: 55478
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

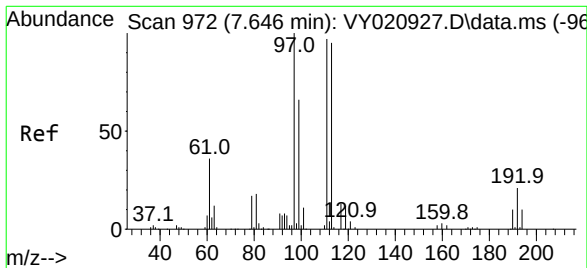
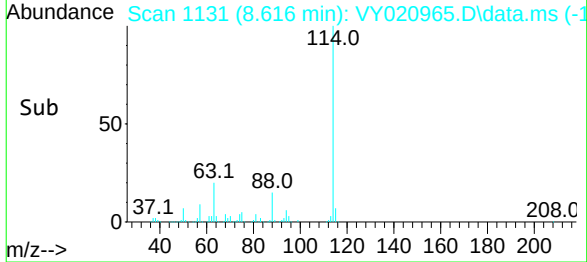
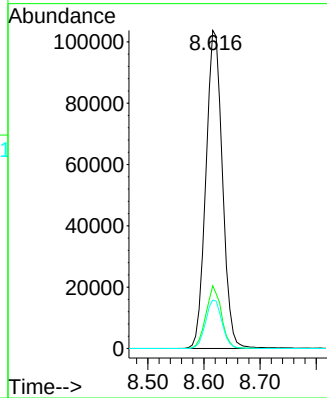
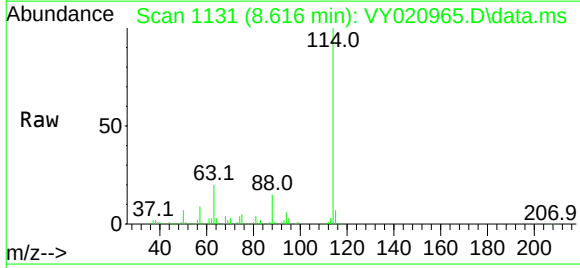




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1133
Delta R.T. -0.012 min
Lab File: VY020965.D
Acq: 29 Jan 2025 13:13

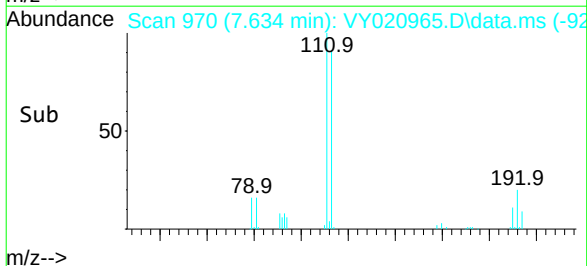
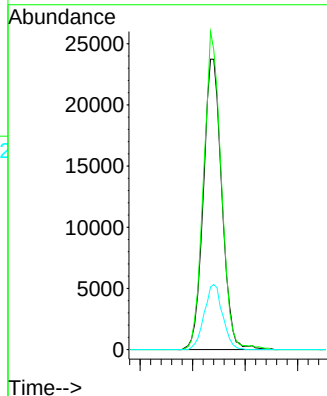
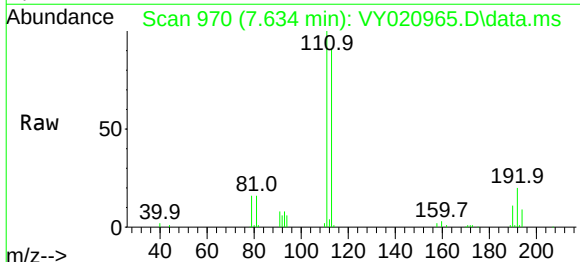
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOCRE

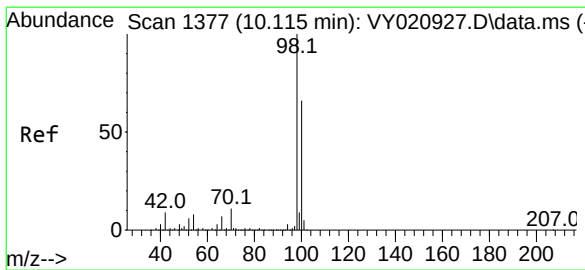
Tgt Ion:	114	Resp:	212489
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.4
88	15.2	0.0	31.6



#35
Dibromofluoromethane
Concen: 47.641 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.012 min
Lab File: VY020965.D
Acq: 29 Jan 2025 13:13

Tgt Ion:	113	Resp:	58116
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.3	123.5
192	22.1	17.4	26.2





#50

Toluene-d8

Concen: 43.939 ug/l

RT: 10.109 min Scan# 1377

Delta R.T. -0.006 min

Lab File: VY020965.D

Acq: 29 Jan 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

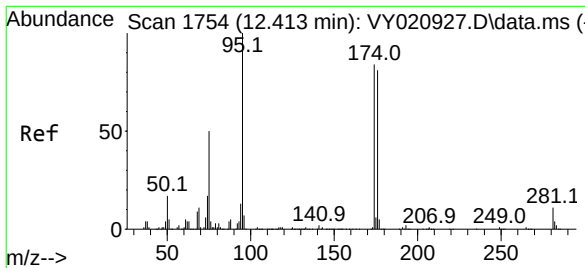
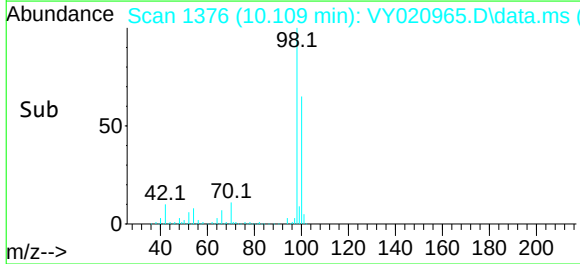
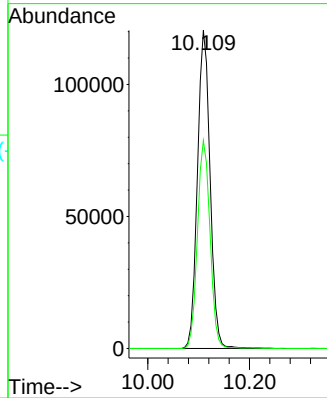
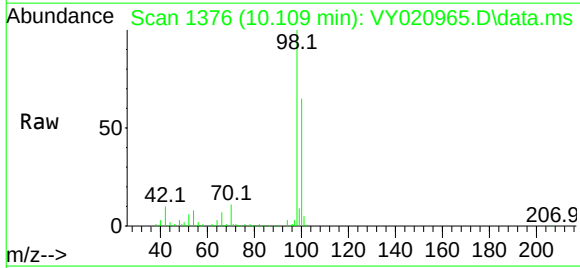
WC-4-VOCRE

Tgt Ion: 98 Resp: 207903

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 38.626 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.000 min

Lab File: VY020965.D

Acq: 29 Jan 2025 13:13

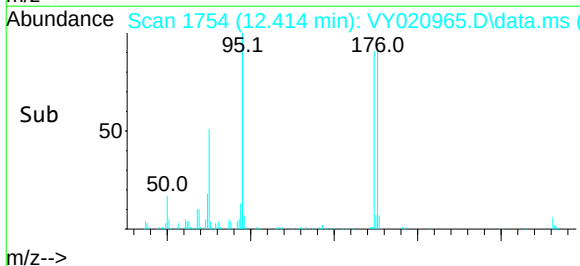
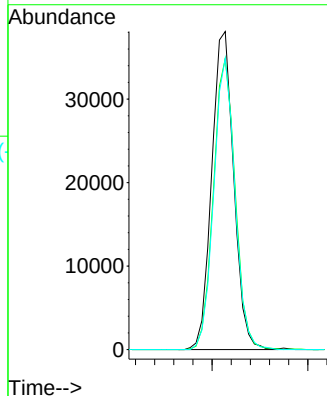
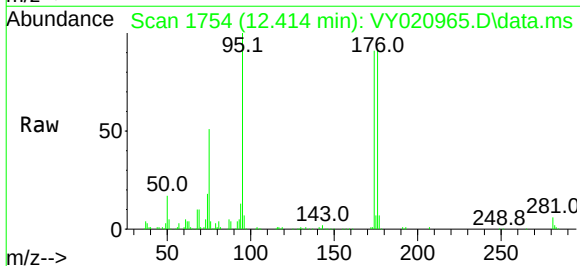
Tgt Ion: 95 Resp: 60825

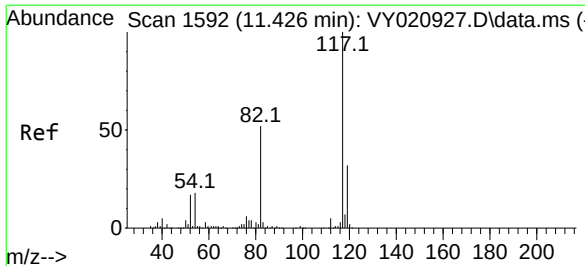
Ion Ratio Lower Upper

95 100

174 90.1 0.0 177.4

176 88.2 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1592

Delta R.T. -0.006 min

Lab File: VY020965.D

Acq: 29 Jan 2025 13:13

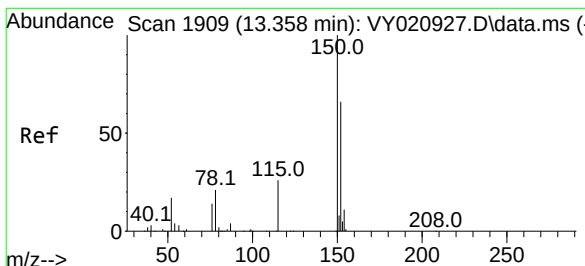
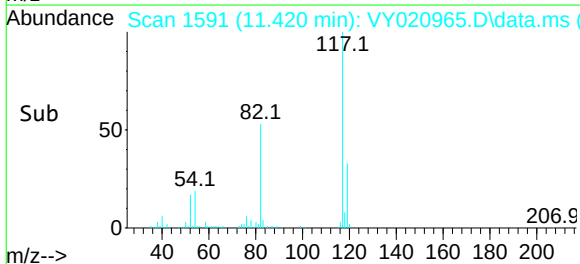
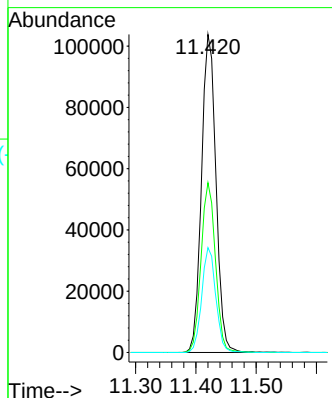
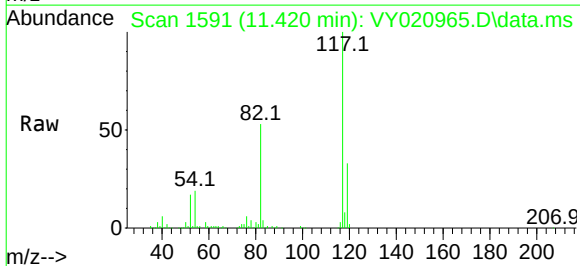
Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOCRE

Tgt Ion:	117	Resp:	172995
Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.8	62.8
119	33.0	26.0	39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020965.D

Acq: 29 Jan 2025 13:13

Tgt Ion:	152	Resp:	71974
Ion	Ratio	Lower	Upper
152	100		
115	57.0	29.0	87.0
150	155.8	0.0	347.6

