

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021006.D
 Acq On : 31 Jan 2025 13:39
 Operator : SY/MD
 Sample : Q1239-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 348

Quant Time: Jan 31 22:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	3468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	4621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	1384	46.872	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.740%
35) Dibromofluoromethane	7.640	113	1327	47.767	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.540%
50) Toluene-d8	10.109	98	3362	31.006	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	62.020%
62) 4-Bromofluorobenzene	12.401	95	266	7.311	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	14.620%#

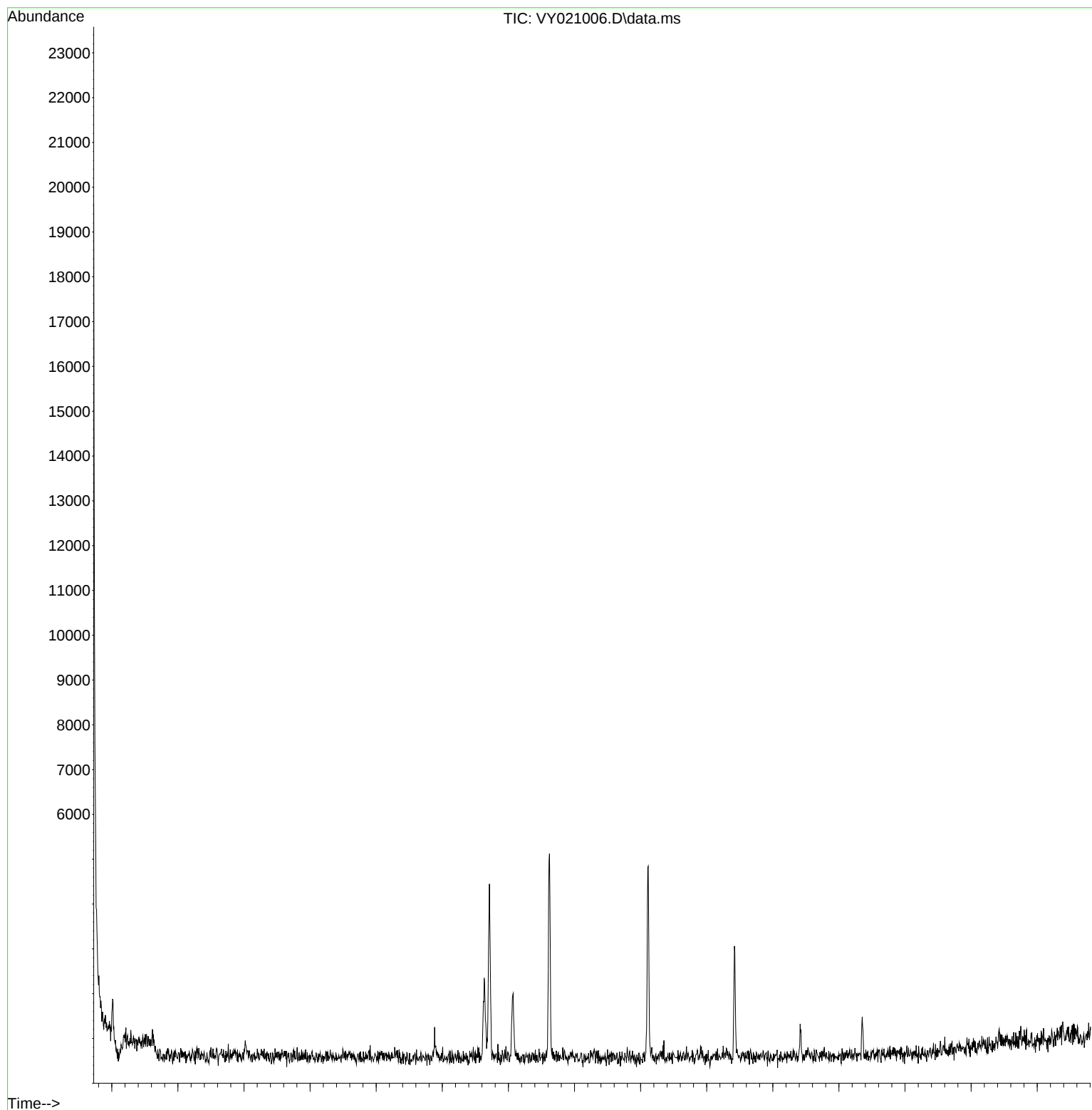
Target Compounds Qvalue

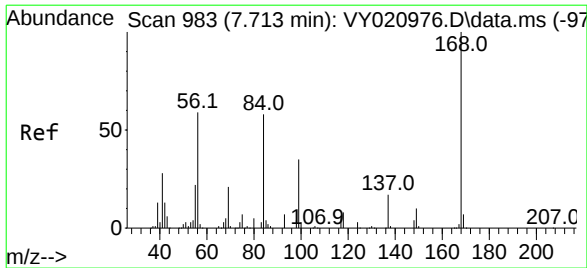
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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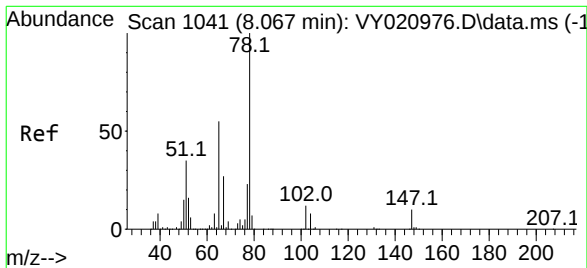
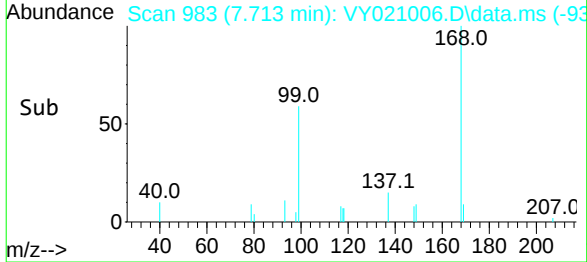
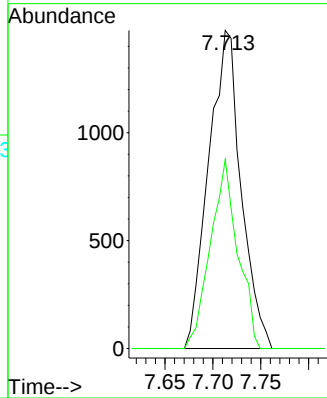
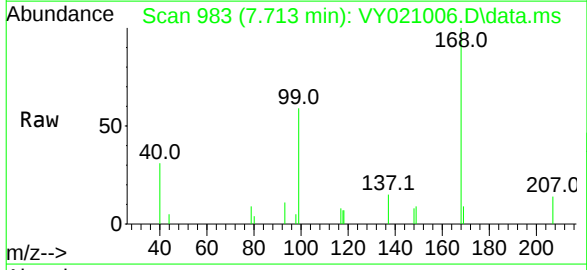




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.000 min
Lab File: VY021006.D
Acq: 31 Jan 2025 13:39

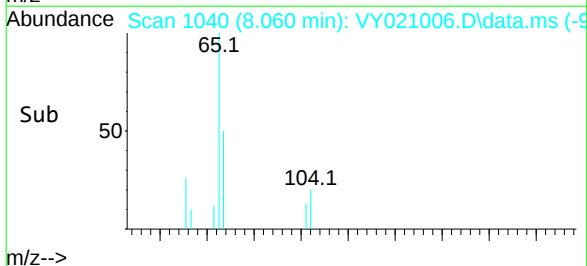
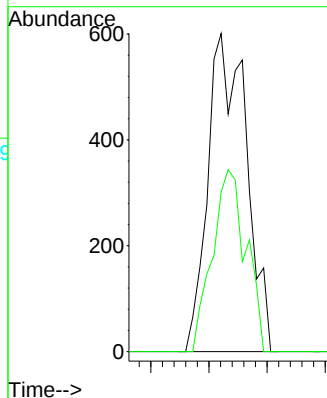
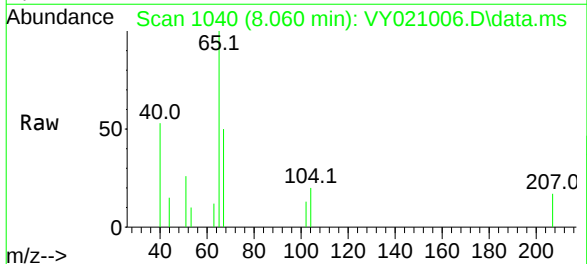
Instrument :
MSVOA_Y
ClientSampleId :
348

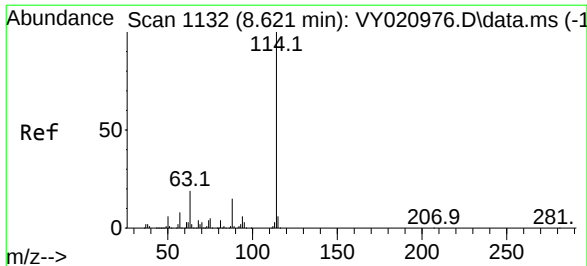
Tgt Ion:168 Resp: 3468
Ion Ratio Lower Upper
168 100
99 59.4 42.2 63.2



#33
1,2-Dichloroethane-d4
Concen: 46.872 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021006.D
Acq: 31 Jan 2025 13:39

Tgt Ion: 65 Resp: 1384
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.4

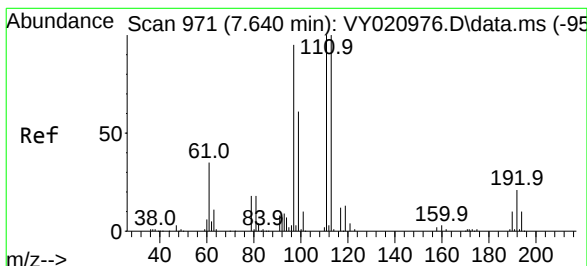
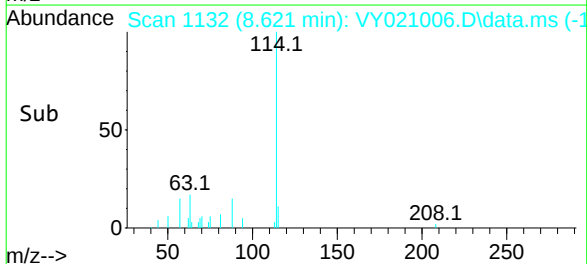
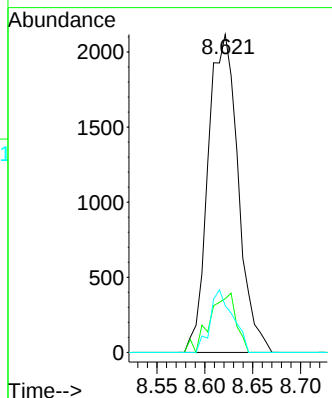
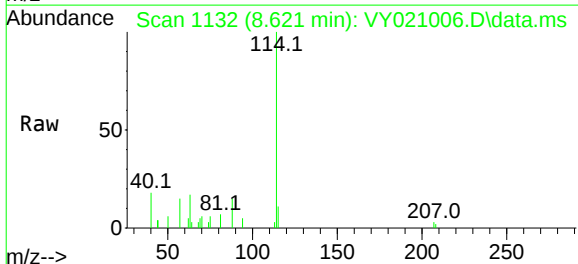




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021006.D
Acq: 31 Jan 2025 13:39

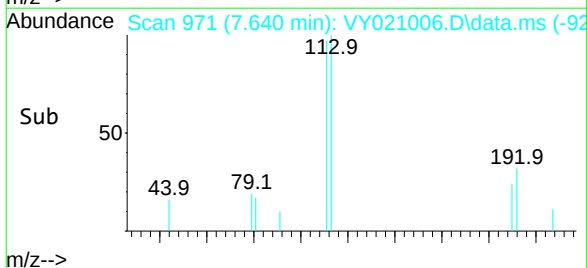
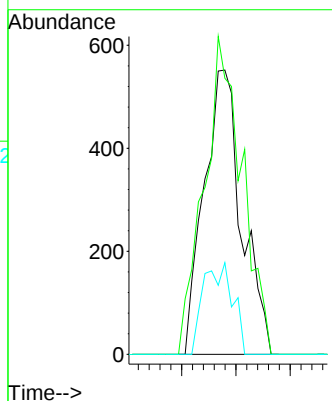
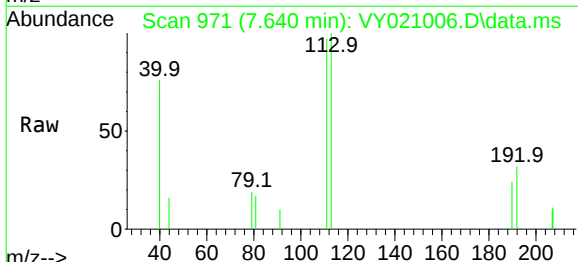
Instrument :
MSVOA_Y
ClientSampleId :
348

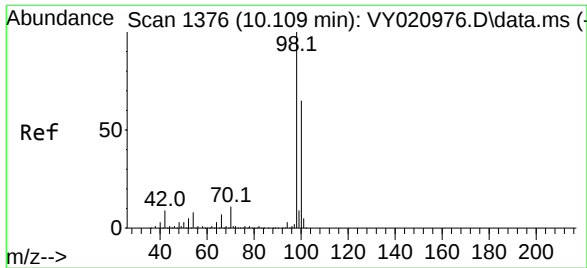
Tgt Ion:	114	Resp:	4621
Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	37.2
88	14.7	0.0	29.6



#35
Dibromofluoromethane
Concen: 47.767 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021006.D
Acq: 31 Jan 2025 13:39

Tgt Ion:	113	Resp:	1327
Ion	Ratio	Lower	Upper
113	100		
111	113.1	82.6	123.8
192	25.2	16.8	25.2#





#50

Toluene-d8

Concen: 31.006 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021006.D

Acq: 31 Jan 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

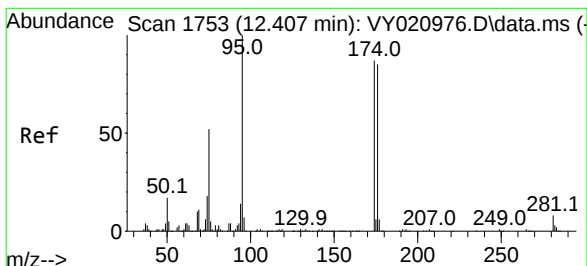
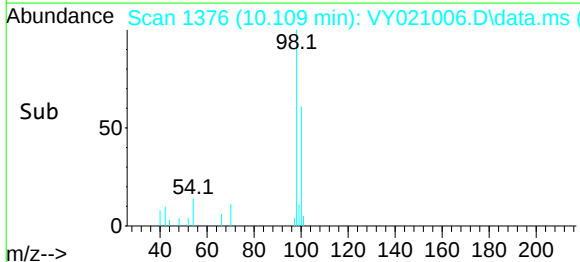
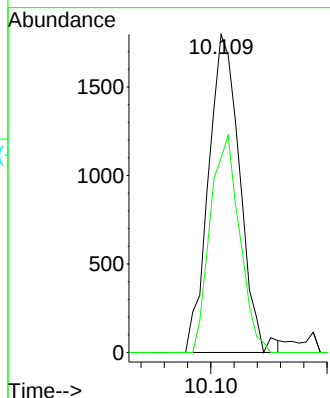
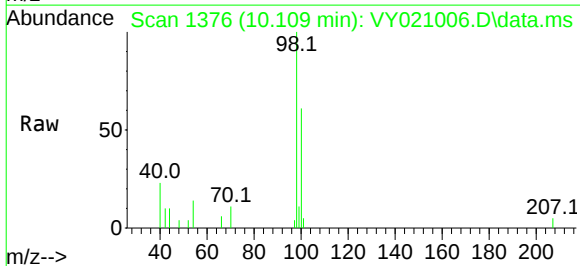
348

Tgt Ion: 98 Resp: 3362

Ion Ratio Lower Upper

98 100

100 64.0 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 7.311 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY021006.D

Acq: 31 Jan 2025 13:39

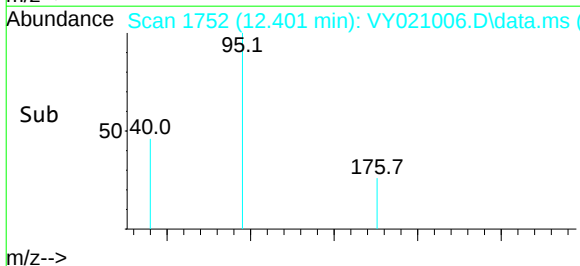
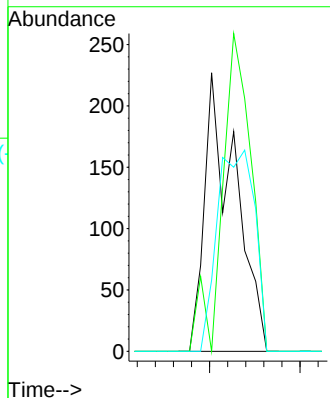
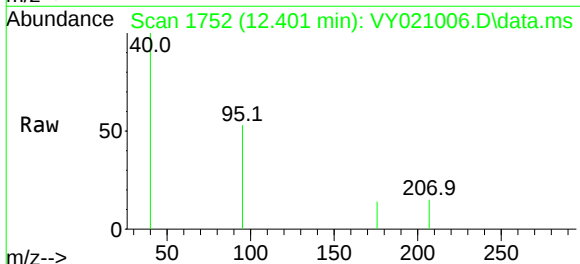
Tgt Ion: 95 Resp: 266

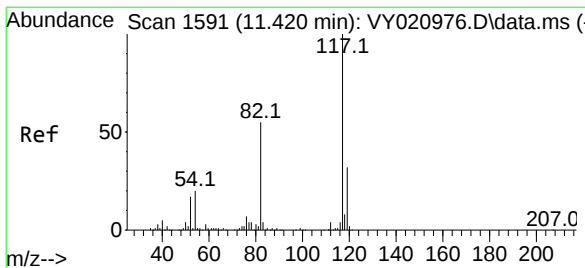
Ion Ratio Lower Upper

95 100

174 107.5 0.0 181.2

176 88.7 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 15

Delta R.T. -0.000 min

Lab File: VY021006.D

Acq: 31 Jan 2025 13:39

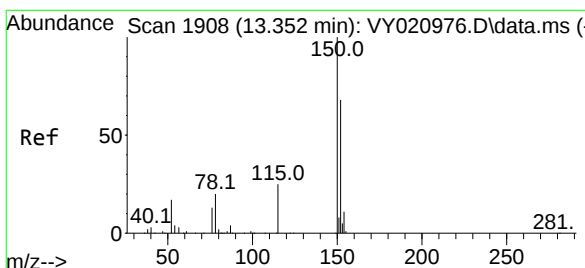
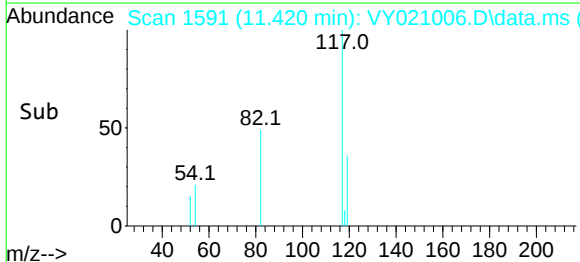
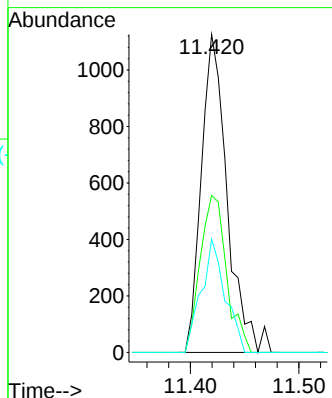
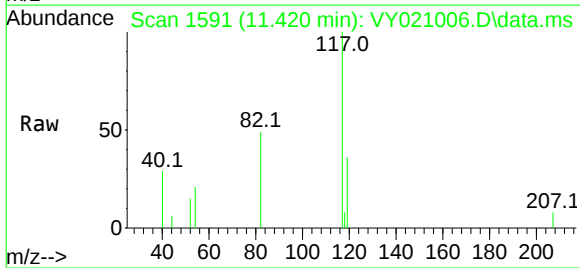
Instrument :

MSVOA_Y

ClientSampleId :

348

Tgt Ion:	117	Resp:	1865
Ion	Ratio	Lower	Upper
117	100		
82	49.4	44.2	66.2
119	35.6	25.9	38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021006.D

Acq: 31 Jan 2025 13:39

Tgt Ion:	152	Resp:	363
Ion	Ratio	Lower	Upper
152	100		
115	37.7	28.4	85.2
150	172.7	0.0	342.8

