

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021547.D
 Acq On : 17 Mar 2025 13:39
 Operator : SY/MD
 Sample : Q1585-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-03142025

Quant Time: Mar 18 01:26:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	6960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	9851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	6781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	955	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	4139	56.265	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.520%
35) Dibromofluoromethane	7.634	113	3458	53.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.800%
50) Toluene-d8	10.109	98	10914	44.516	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.040%
62) 4-Bromofluorobenzene	12.408	95	1455	17.447	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	34.900%

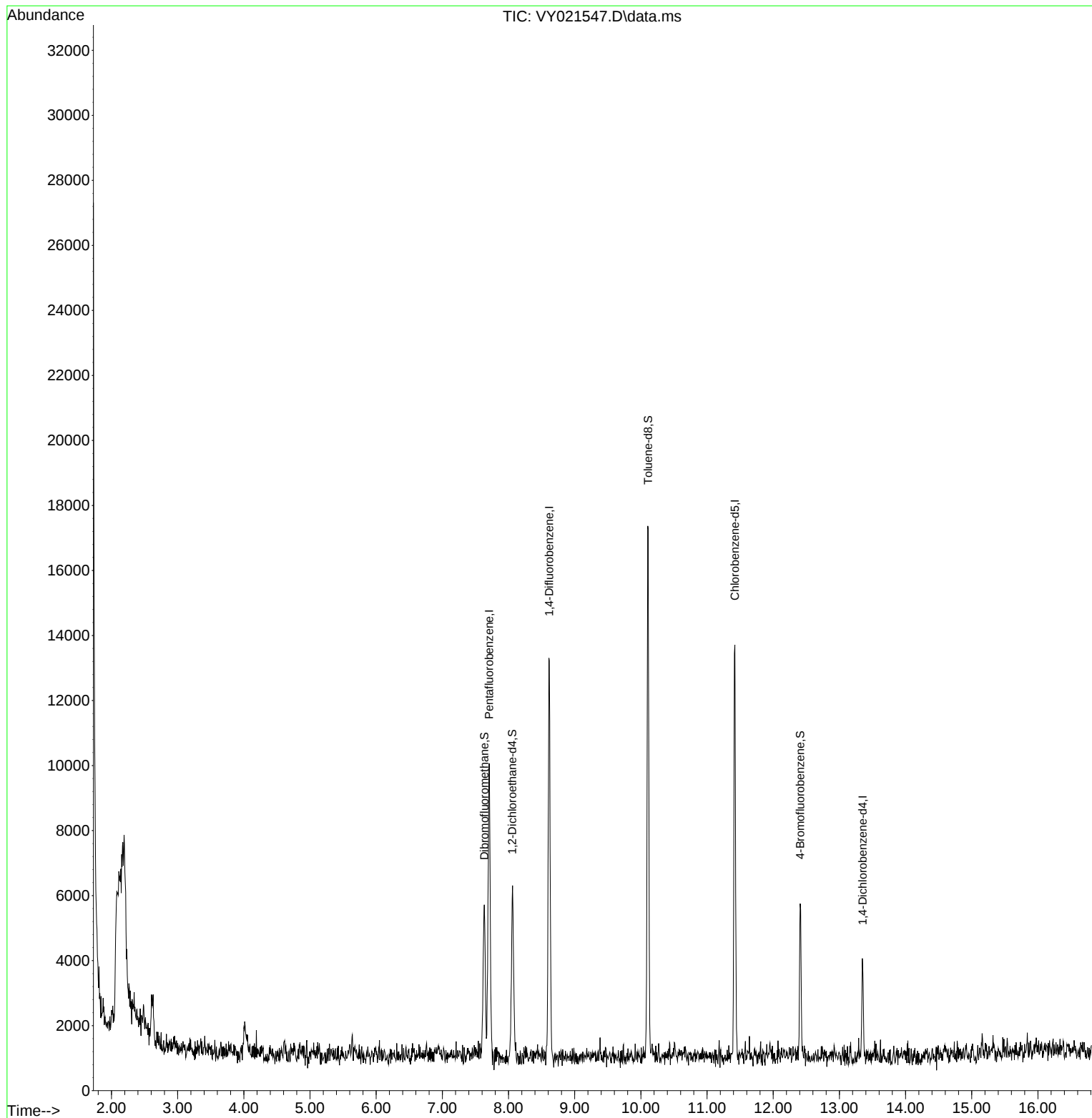
Target Compounds	Qvalue

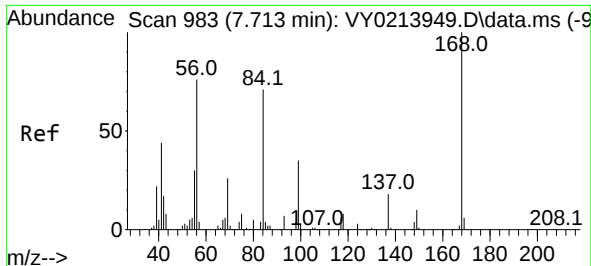
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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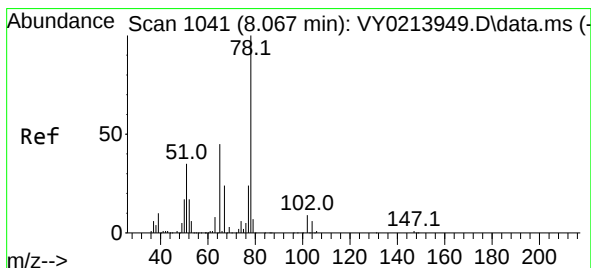
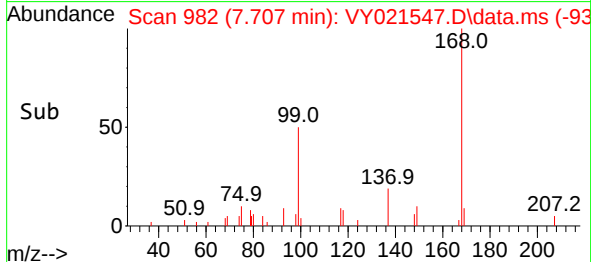
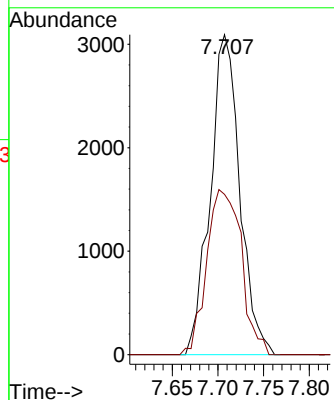
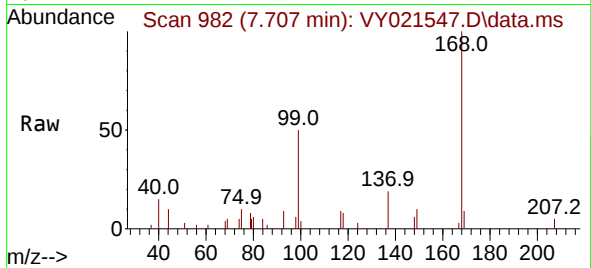




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021547.D
Acq: 17 Mar 2025 13:39

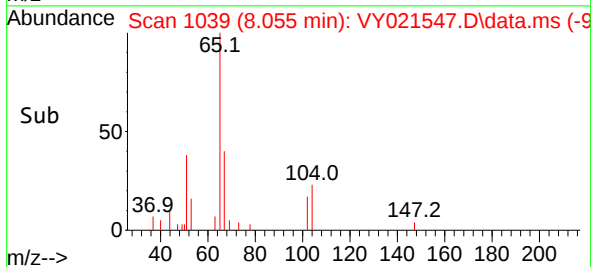
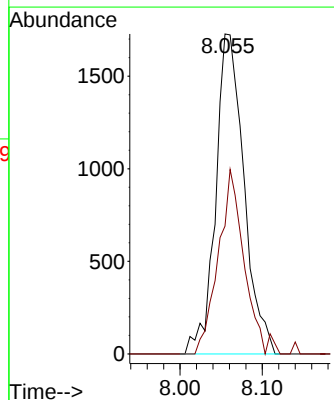
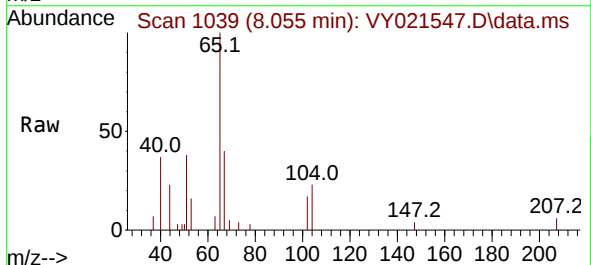
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-03142025

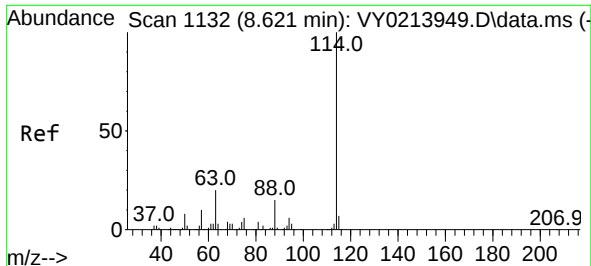
Tgt Ion:168 Resp: 6960
Ion Ratio Lower Upper
168 100
99 50.1 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 56.265 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021547.D
Acq: 17 Mar 2025 13:39

Tgt Ion: 65 Resp: 4139
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.8

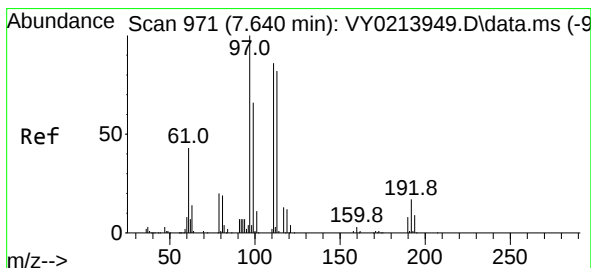
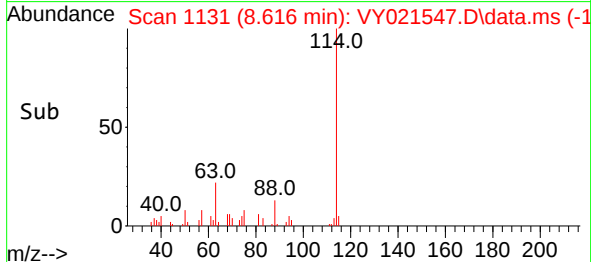
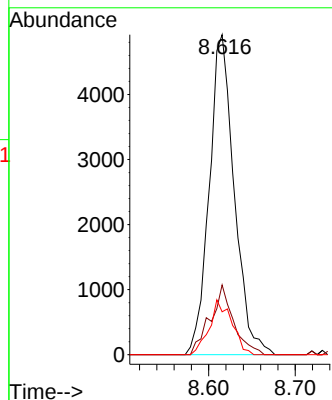
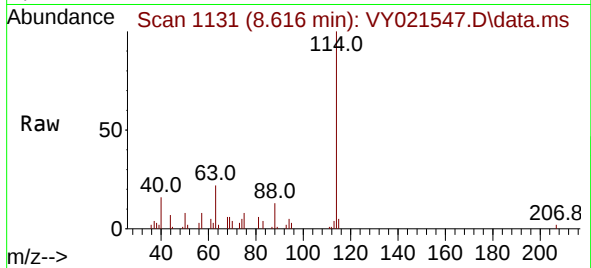




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021547.D
Acq: 17 Mar 2025 13:39

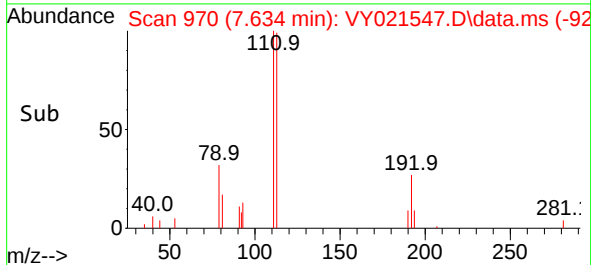
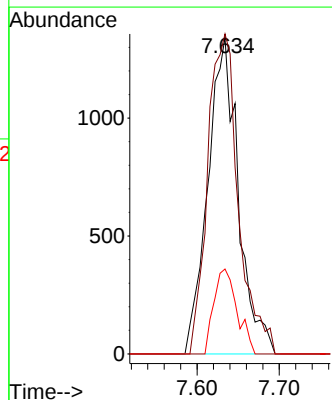
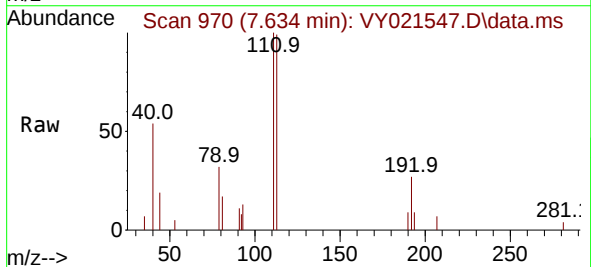
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-03142025

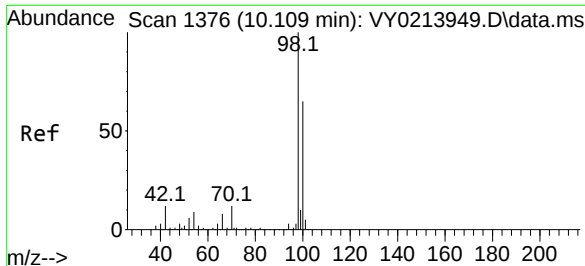
Tgt Ion:114	Resp:	9851
Ion Ratio	Lower	Upper
114	100	
63	21.8	0.0 40.8
88	13.4	0.0 30.8



#35
Dibromofluoromethane
Concen: 53.404 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021547.D
Acq: 17 Mar 2025 13:39

Tgt Ion:113	Resp:	3458
Ion Ratio	Lower	Upper
113	100	
111	101.6	82.0 123.0
192	20.4	15.9 23.9

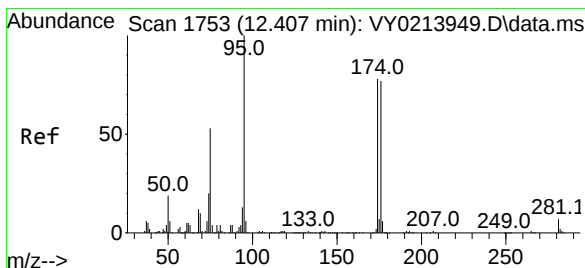
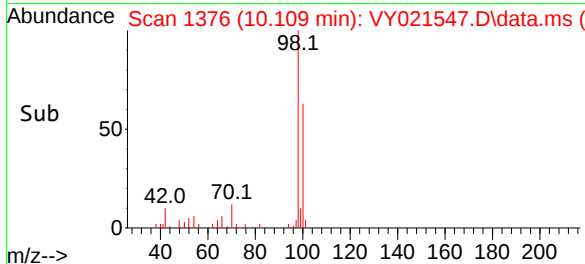
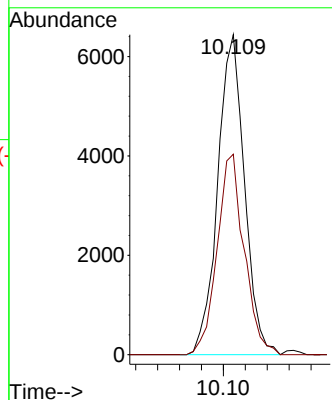
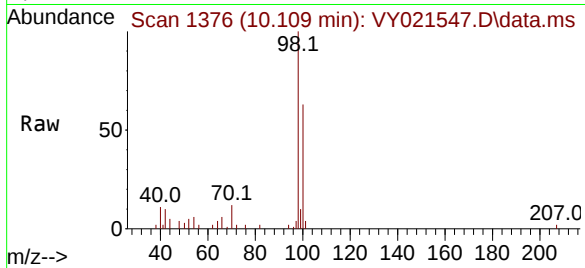




#50
Toluene-d8
Concen: 44.516 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021547.D
Acq: 17 Mar 2025 13:39

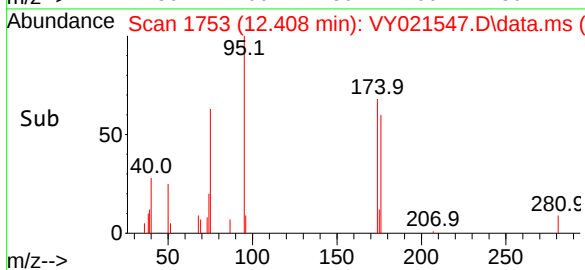
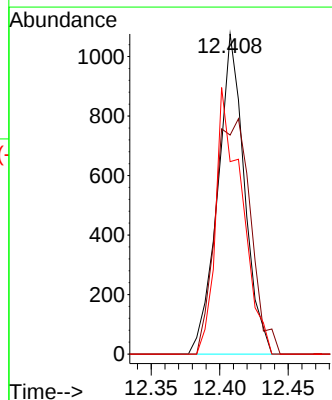
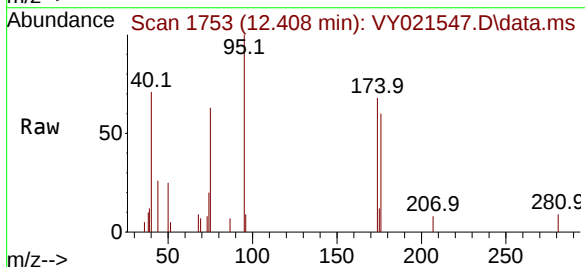
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-03142025

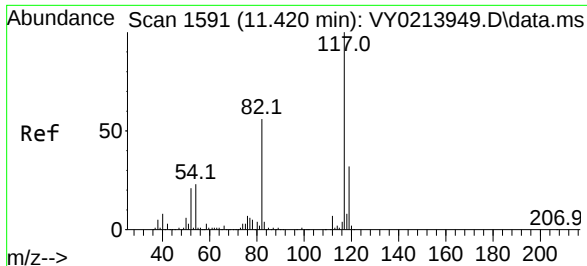
Tgt Ion: 98 Resp: 10914
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 17.447 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021547.D
Acq: 17 Mar 2025 13:39

Tgt Ion: 95 Resp: 1455
Ion Ratio Lower Upper
95 100
174 97.3 0.0 165.0
176 81.2 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021547.D

Acq: 17 Mar 2025 13:39

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-03142025

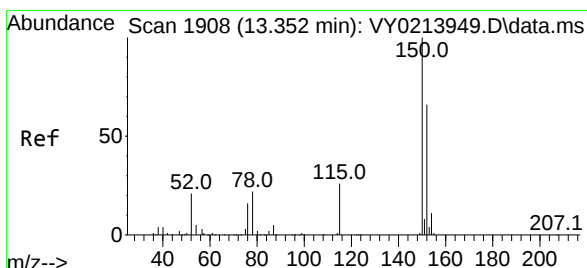
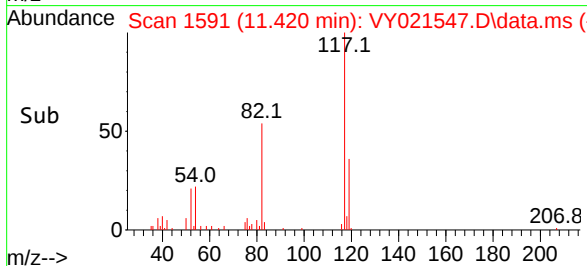
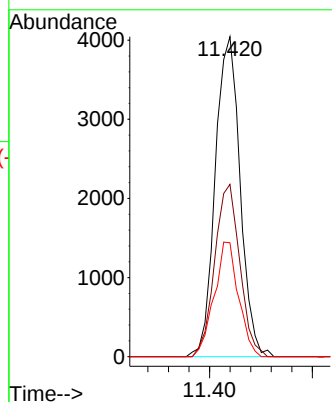
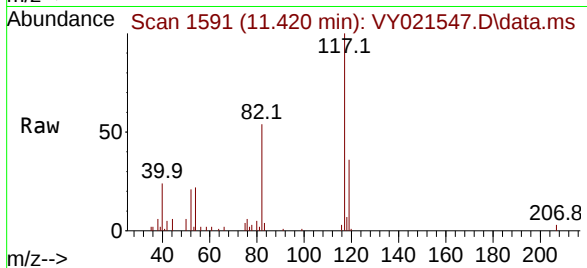
Tgt Ion:117 Resp: 6781

Ion Ratio Lower Upper

117 100

82 53.9 44.6 67.0

119 35.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021547.D

Acq: 17 Mar 2025 13:39

Tgt Ion:152 Resp: 955

Ion Ratio Lower Upper

152 100

115 52.8 29.0 87.0

150 137.6 0.0 347.2

