

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014476.D
 Acq On : 28 Jun 2023 13:27
 Operator : KP/MD
 Sample : 03413-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-062623

Quant Time: Jun 29 02:17:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	122704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	179910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	171440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82050	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79595	52.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.500%
35) Dibromofluoromethane	7.716	113	58654	52.769	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.540%
50) Toluene-d8	10.179	98	215065	48.674	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.483	95	67650	42.887	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.780%

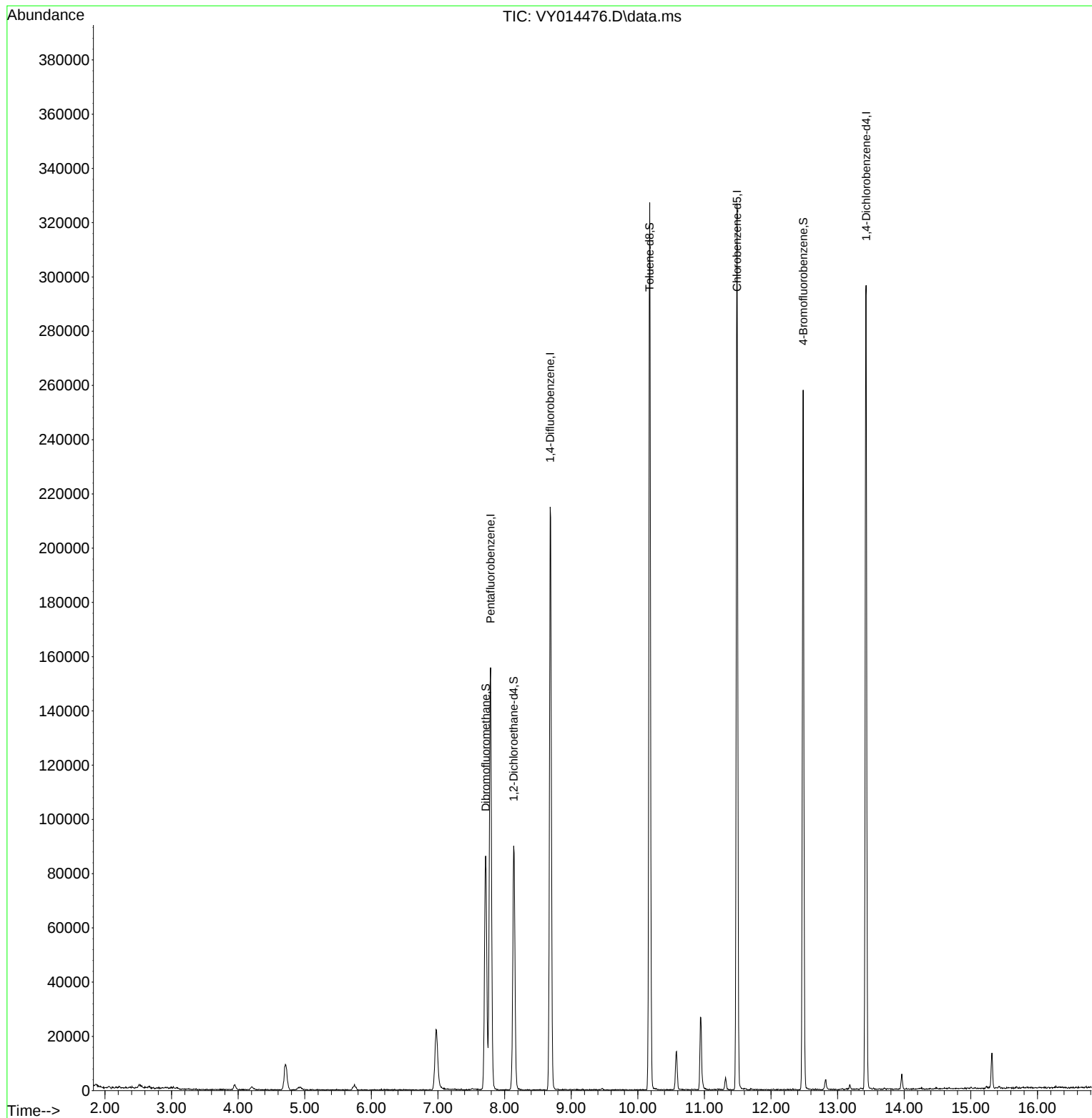
Target Compounds	Qvalue

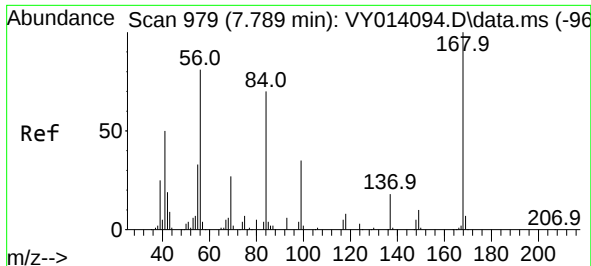
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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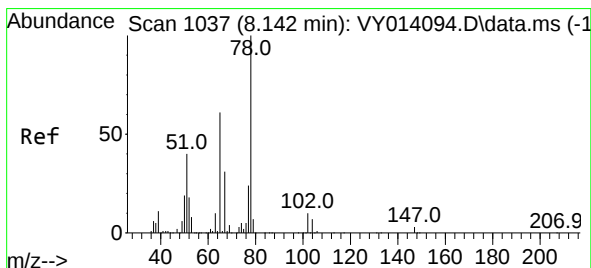
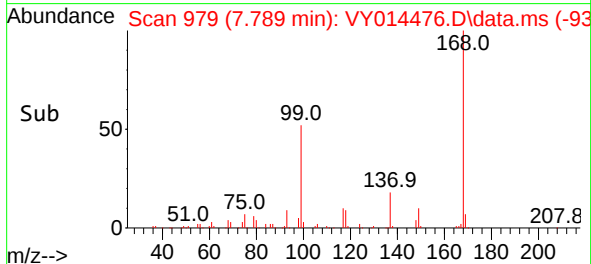
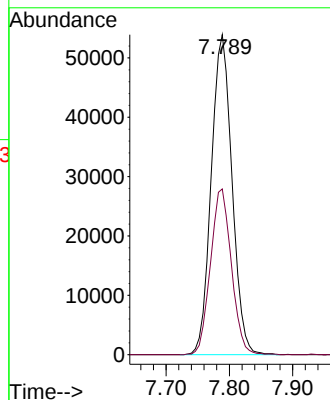
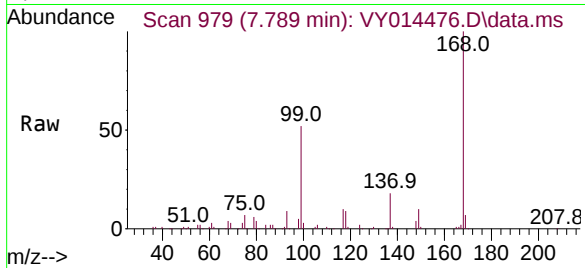




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014476.D
Acq: 28 Jun 2023 13:27

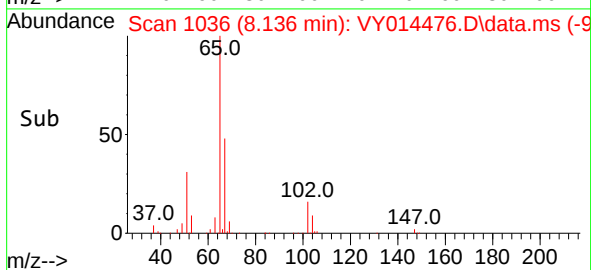
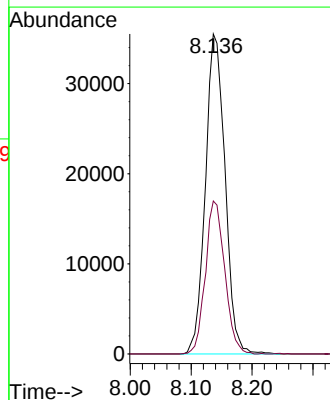
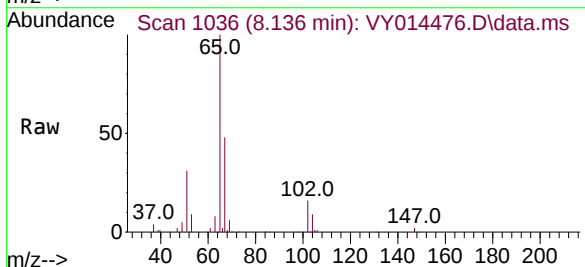
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-062623

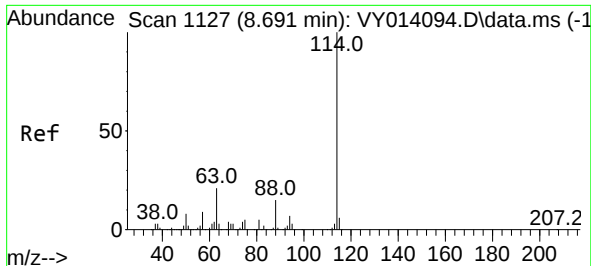
Tgt Ion:168 Resp: 122704
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 52.246 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014476.D
Acq: 28 Jun 2023 13:27

Tgt Ion: 65 Resp: 79595
Ion Ratio Lower Upper
65 100
67 47.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014476.D

Acq: 28 Jun 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-062623

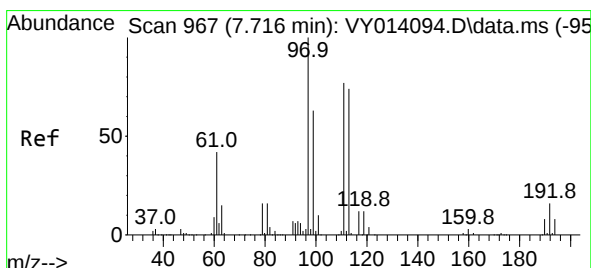
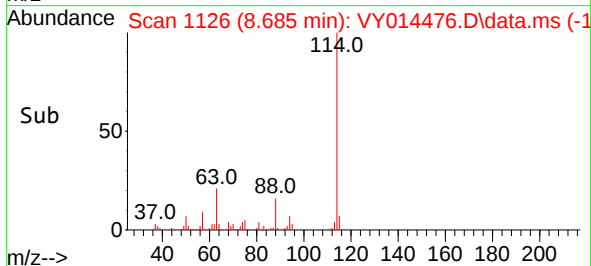
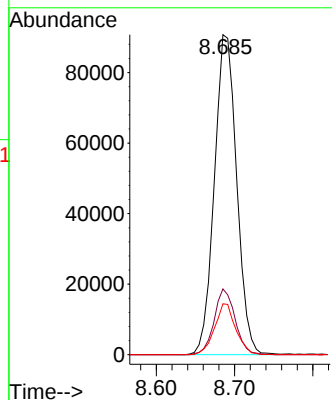
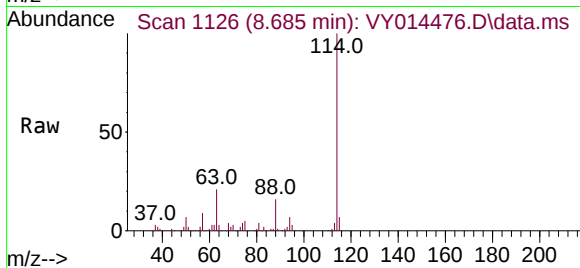
Tgt Ion:114 Resp: 179910

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.769 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014476.D

Acq: 28 Jun 2023 13:27

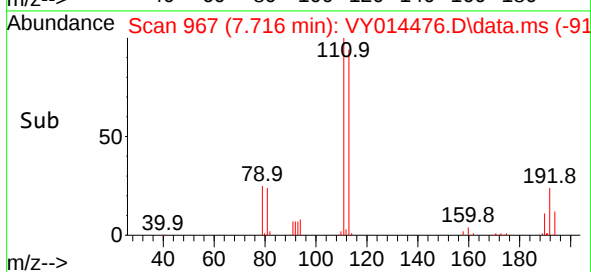
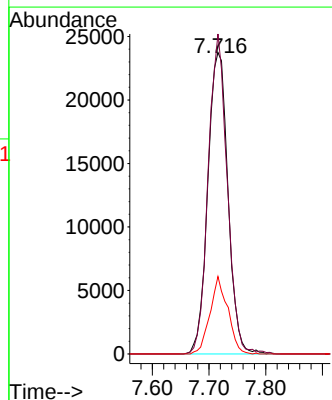
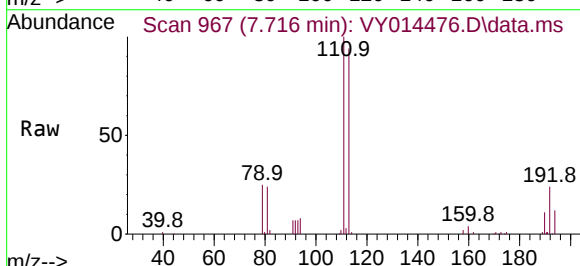
Tgt Ion:113 Resp: 58654

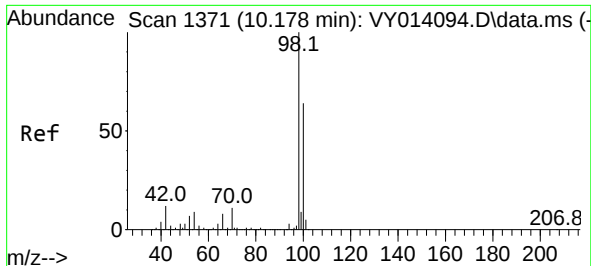
Ion Ratio Lower Upper

113 100

111 99.9 81.3 121.9

192 22.8 16.9 25.3

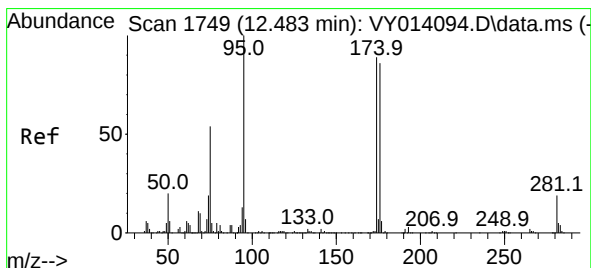
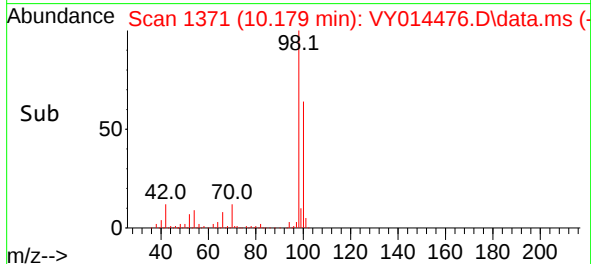
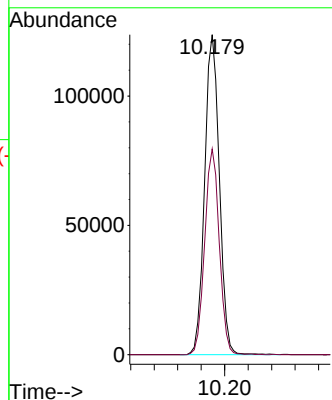
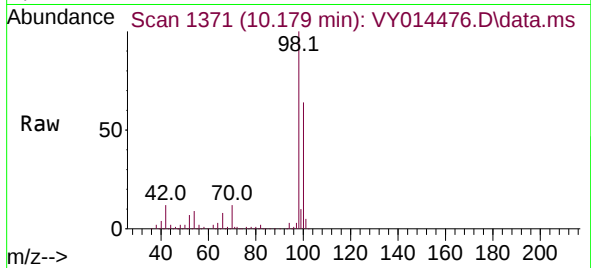




#50
Toluene-d8
Concen: 48.674 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014476.D
Acq: 28 Jun 2023 13:27

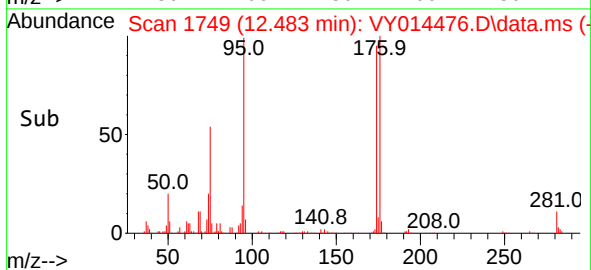
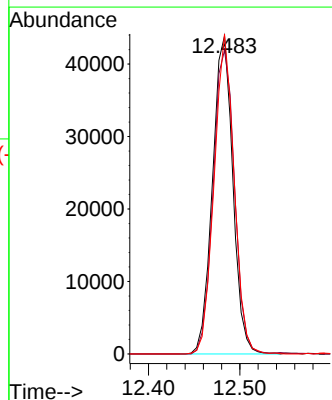
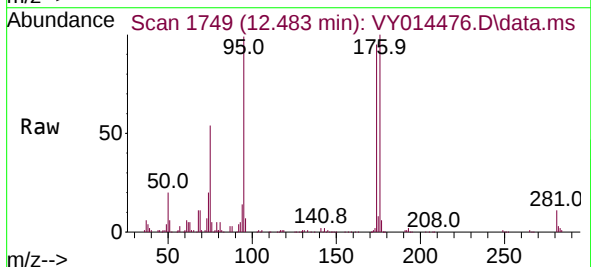
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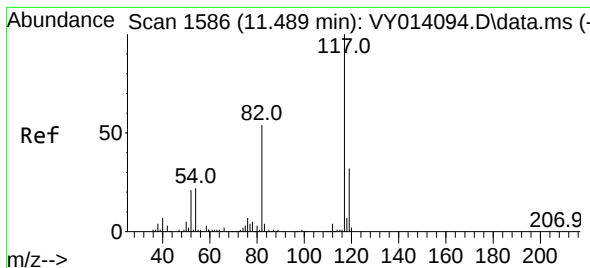
Tgt Ion: 98 Resp: 215065
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 42.887 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014476.D
Acq: 28 Jun 2023 13:27

Tgt Ion: 95 Resp: 67650
Ion Ratio Lower Upper
95 100
174 100.2 0.0 178.2
176 98.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY014476.D

Acq: 28 Jun 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

OR-02-062623

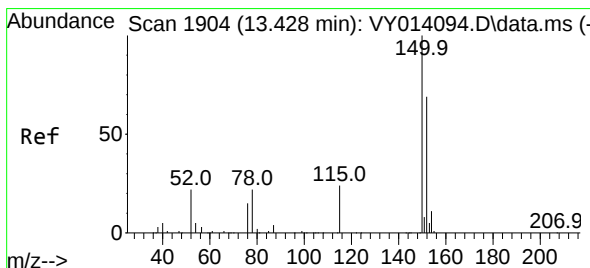
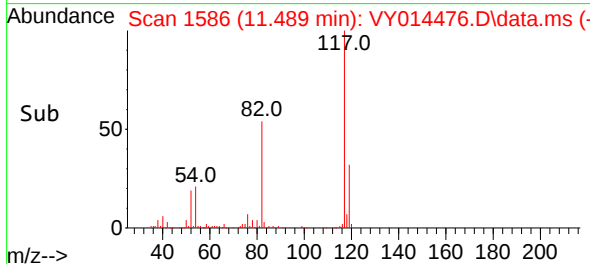
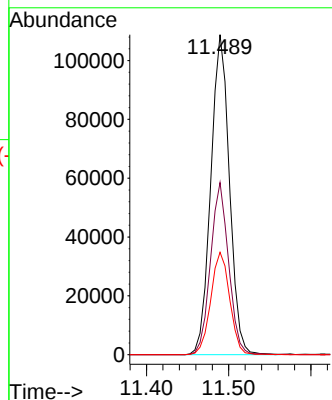
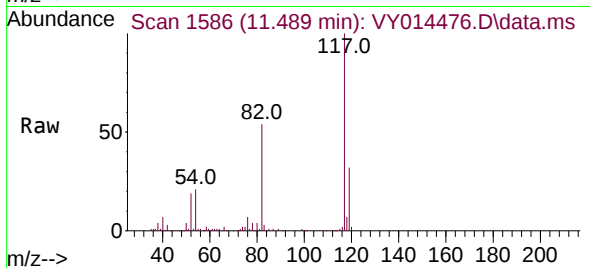
Tgt Ion:117 Resp: 171440

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 32.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014476.D

Acq: 28 Jun 2023 13:27

Tgt Ion:152 Resp: 82050

Ion Ratio Lower Upper

152 100

115 53.3 28.8 86.5

150 155.1 0.0 348.8

