

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014480.D
 Acq On : 28 Jun 2023 14:58
 Operator : KP/MD
 Sample : 03412-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUCT-1

Quant Time: Jun 29 02:18:16 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	41029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	63792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	63448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	30545	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	34843	68.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.800%
35) Dibromofluoromethane	7.716	113	22826	57.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.840%
50) Toluene-d8	10.179	98	74109	47.303	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.600%
62) 4-Bromofluorobenzene	12.477	95	24362	43.557	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.120%

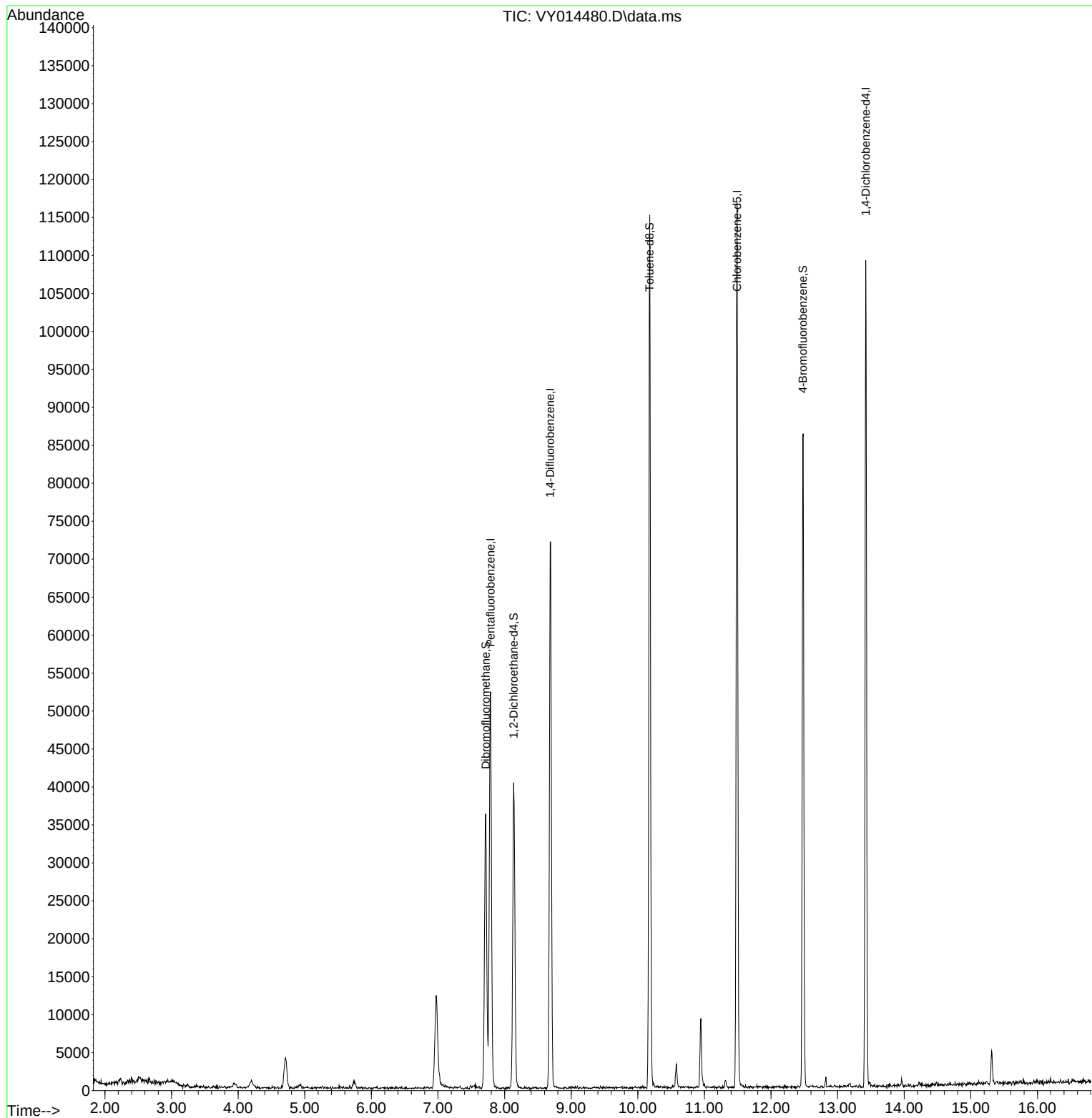
Target Compounds	Qvalue

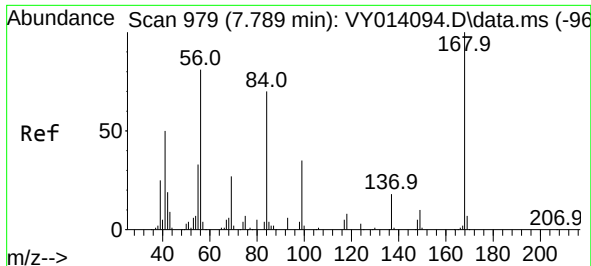
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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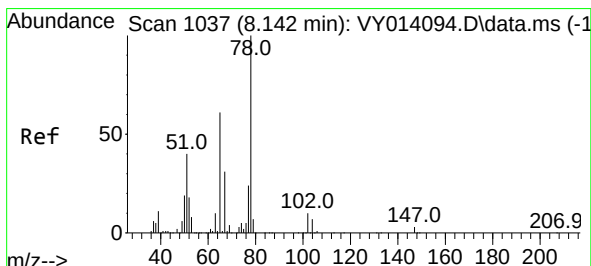
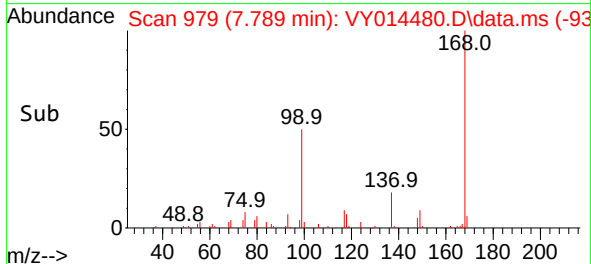
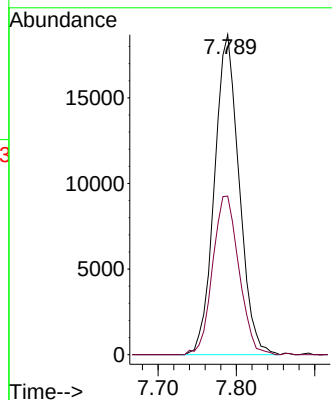
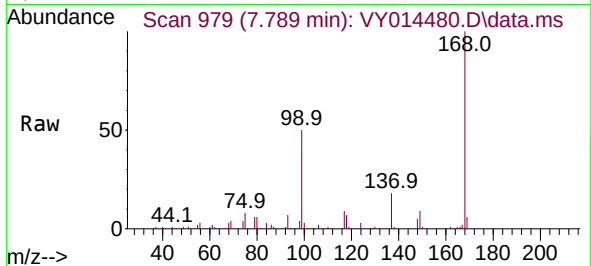




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014480.D
Acq: 28 Jun 2023 14:58

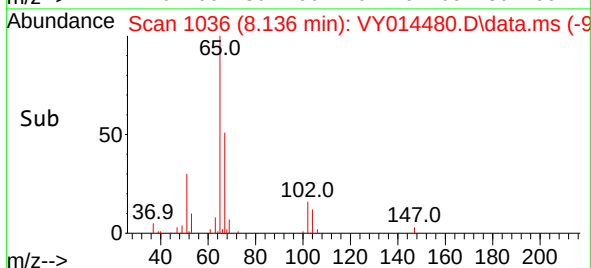
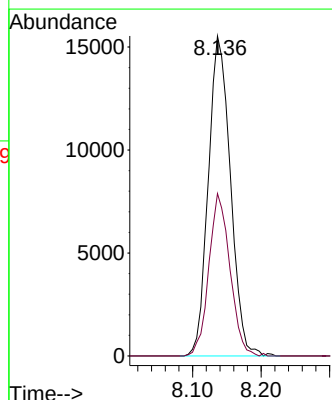
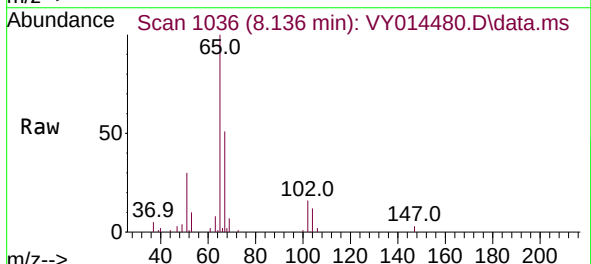
Instrument :
MSVOA_Y
ClientSampleId :
DUCT-1

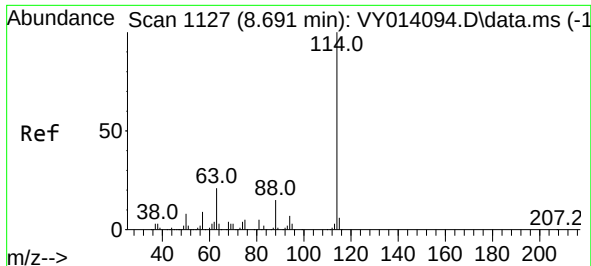
Tgt Ion:168 Resp: 41029
Ion Ratio Lower Upper
168 100
99 49.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 68.399 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014480.D
Acq: 28 Jun 2023 14:58

Tgt Ion: 65 Resp: 34843
Ion Ratio Lower Upper
65 100
67 48.3 0.0 101.8

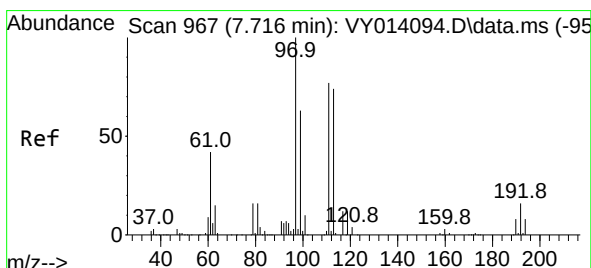
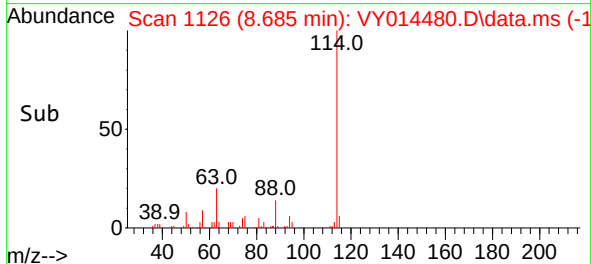
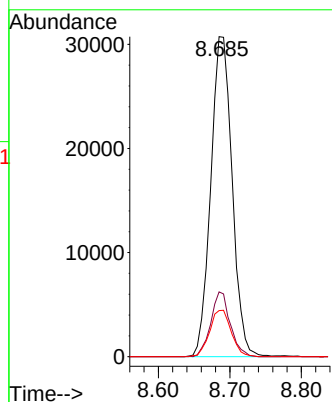
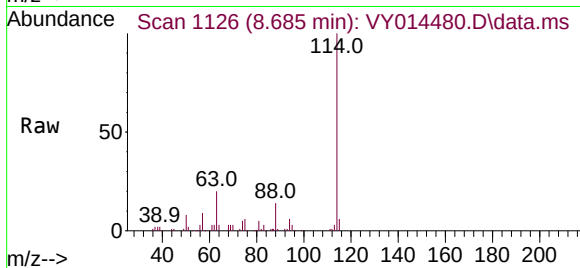




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014480.D
Acq: 28 Jun 2023 14:58

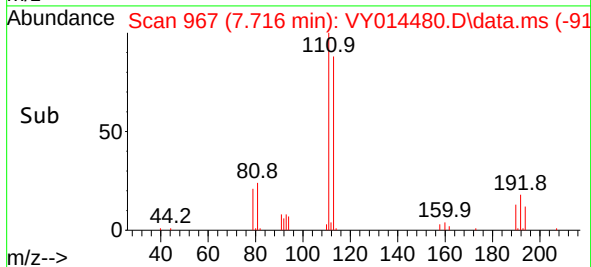
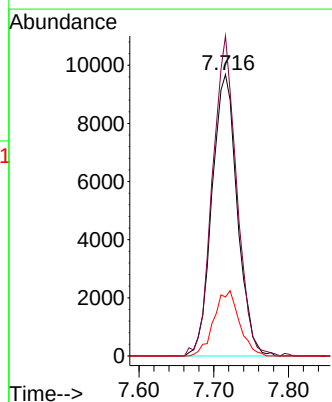
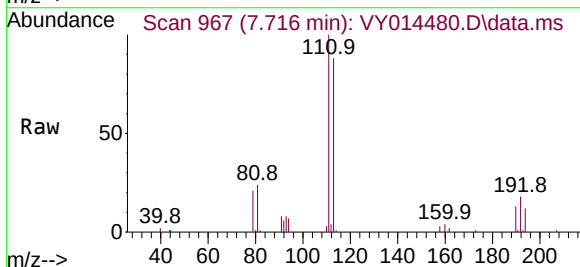
Instrument :
MSVOA_Y
ClientSampleId :
DUCT-1

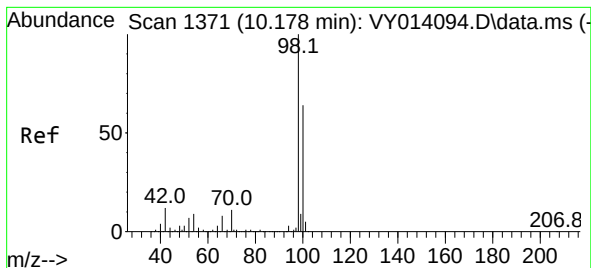
Tgt Ion:	114	Resp:	63792
Ion Ratio	Lower	Upper	
114	100		
63	20.2	0.0	42.4
88	14.4	0.0	30.6



#35
Dibromofluoromethane
Concen: 57.916 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014480.D
Acq: 28 Jun 2023 14:58

Tgt Ion:	113	Resp:	22826
Ion Ratio	Lower	Upper	
113	100		
111	108.1	81.3	121.9
192	23.4	16.9	25.3





#50

Toluene-d8

Concen: 47.303 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014480.D

Acq: 28 Jun 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

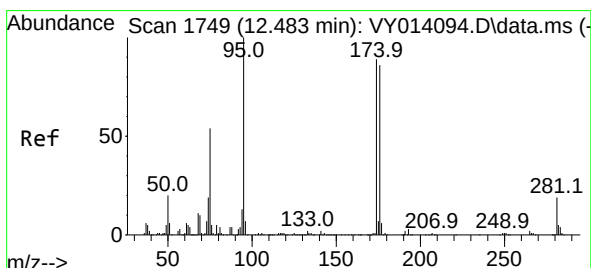
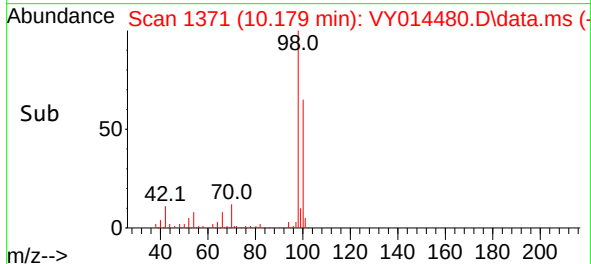
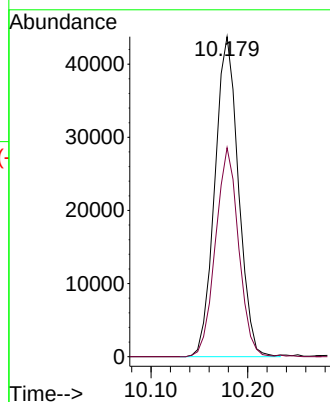
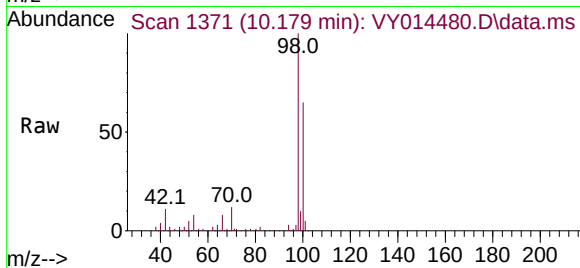
DUCT-1

Tgt Ion: 98 Resp: 74109

Ion Ratio Lower Upper

98 100

100 63.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 43.557 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014480.D

Acq: 28 Jun 2023 14:58

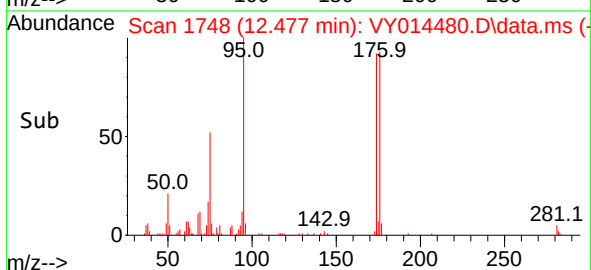
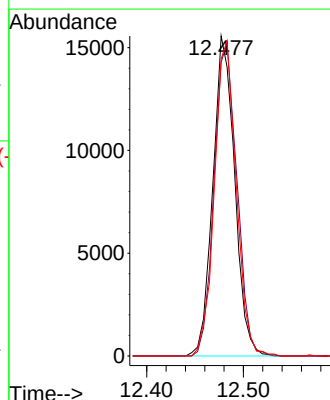
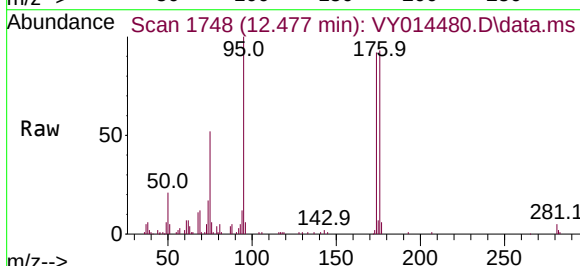
Tgt Ion: 95 Resp: 24362

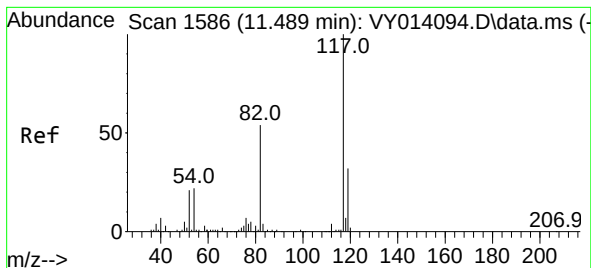
Ion Ratio Lower Upper

95 100

174 101.9 0.0 178.2

176 98.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014480.D

Acq: 28 Jun 2023 14:58

Instrument :

MSVOA_Y

ClientSampleId :

DUCT-1

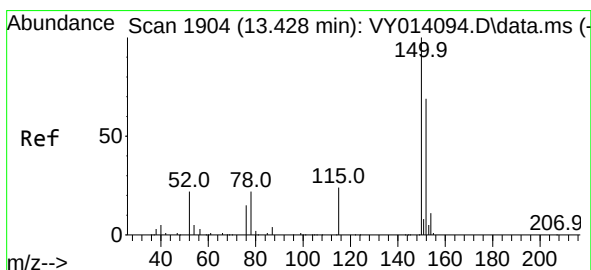
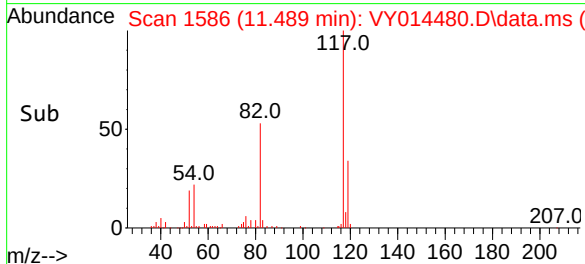
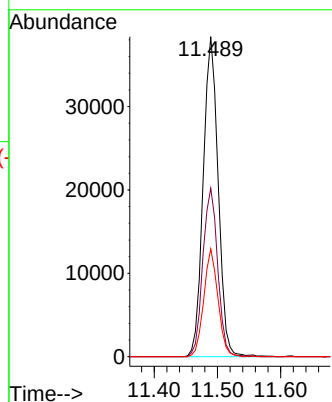
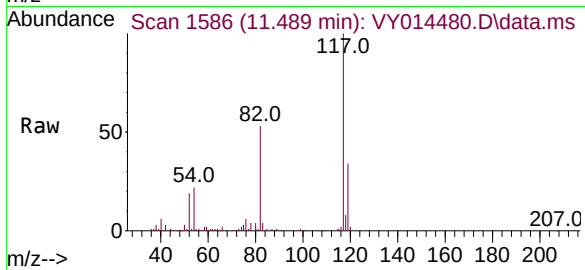
Tgt Ion:117 Resp: 63448

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 33.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014480.D

Acq: 28 Jun 2023 14:58

Tgt Ion:152 Resp: 30545

Ion Ratio Lower Upper

152 100

115 51.9 28.8 86.5

150 152.1 0.0 348.8

