

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013871.D
 Acq On : 25 May 2023 14:26
 Operator : KP/MD
 Sample : 02870-11
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP20

Quant Time: May 26 04:33:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

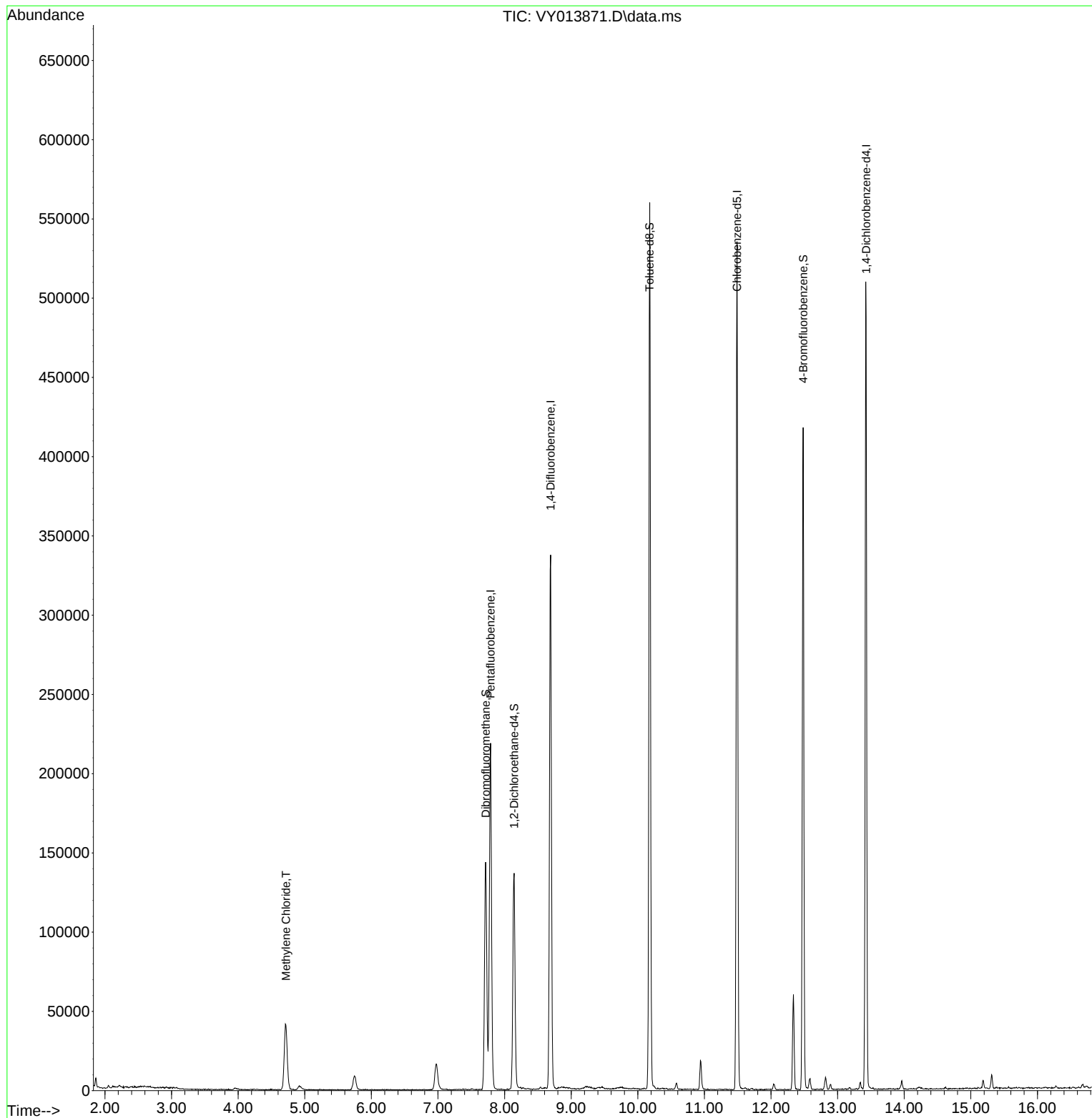
Internal Standards						
1) Pentafluorobenzene	7.789	168	165311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	282169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	113123	59.150	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.300%
35) Dibromofluoromethane	7.716	113	95545	52.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.860%
50) Toluene-d8	10.179	98	353679	51.067	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.140%
62) 4-Bromofluorobenzene	12.483	95	117660	51.109	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.220%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.716	84	30924	13.512	ug/l	95

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

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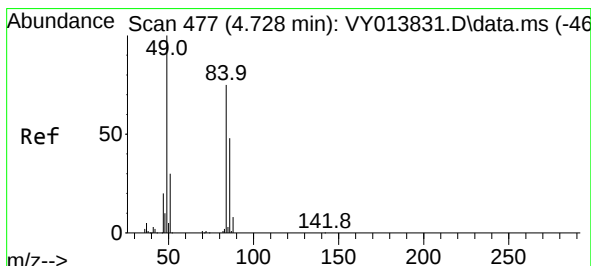
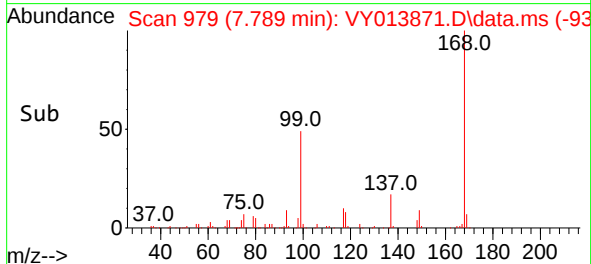
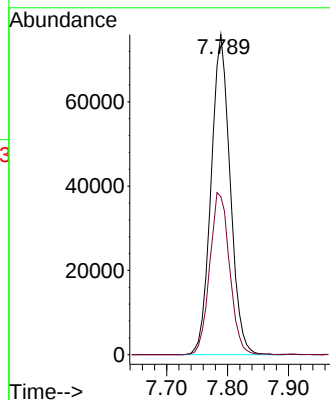
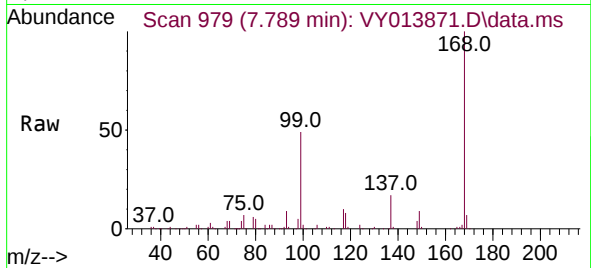




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

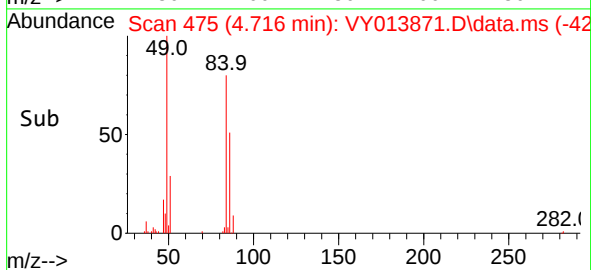
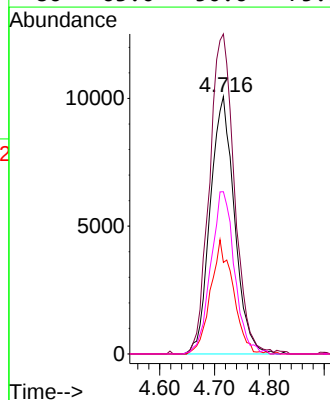
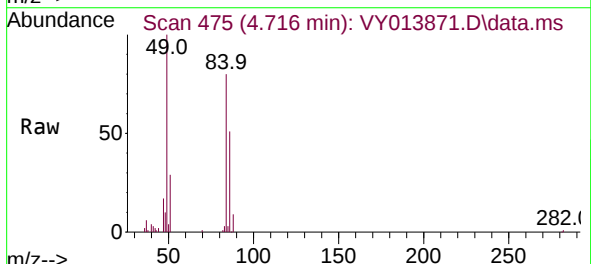
Instrument :
MSVOA_Y
ClientSampleId :
TP20

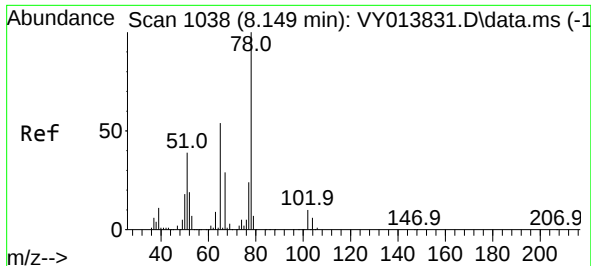
Tgt Ion:168 Resp: 165311
Ion Ratio Lower Upper
168 100
99 49.4 43.4 65.2



#20
Methylene Chloride
Concen: 13.512 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion: 84 Resp: 30924
Ion Ratio Lower Upper
84 100
49 124.3 106.2 159.2
51 35.5 31.4 47.0
86 63.0 50.6 75.8

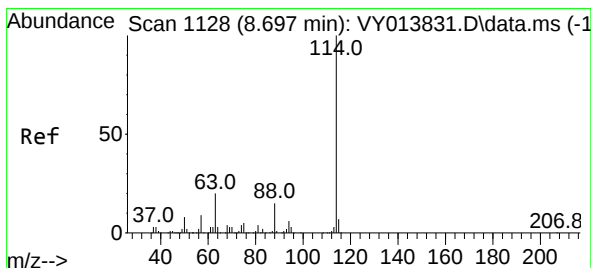
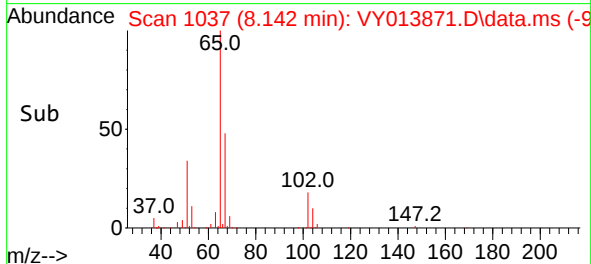
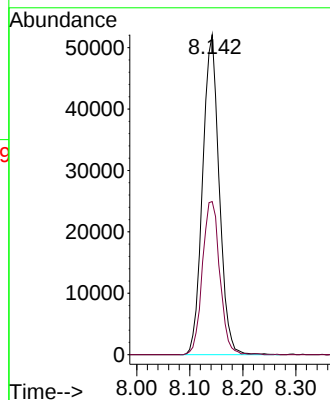
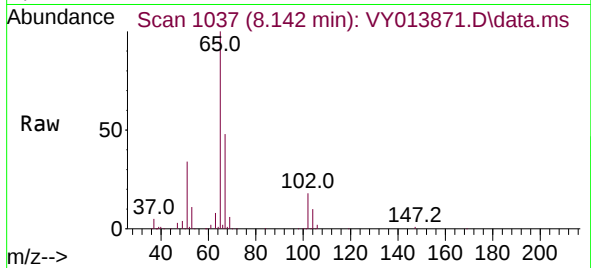




#33
1,2-Dichloroethane-d4
Concen: 59.150 ug/l
RT: 8.142 min Scan# 110
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

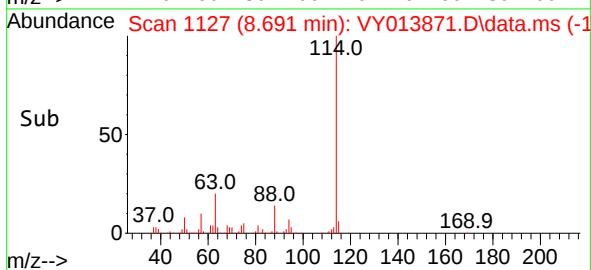
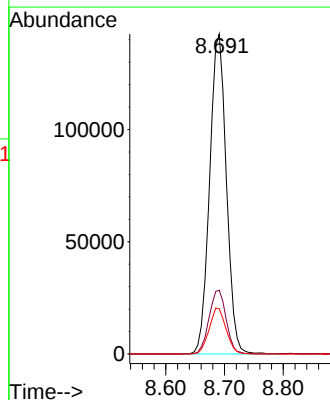
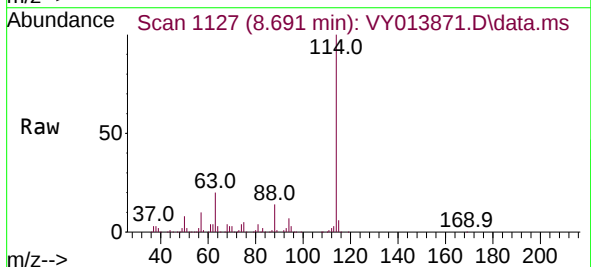
Instrument :
MSVOA_Y
ClientSampleId :
TP20

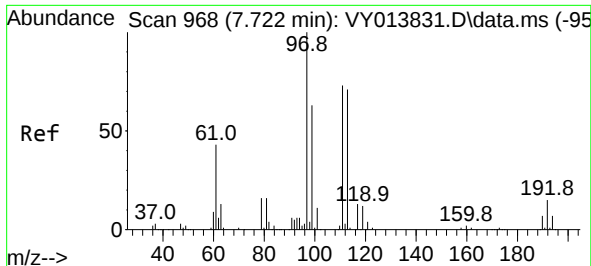
Tgt Ion: 65 Resp: 113123
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion: 114 Resp: 282169
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.2
88 14.1 0.0 30.0

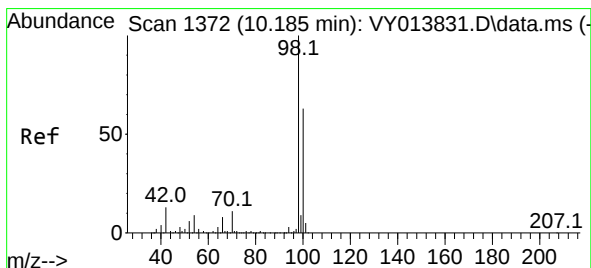
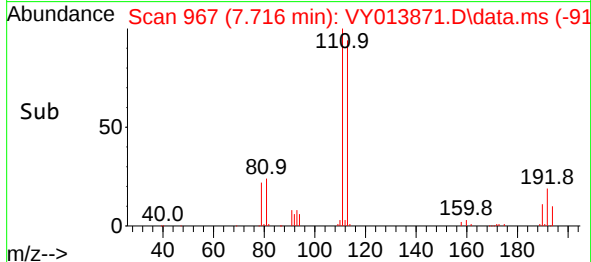
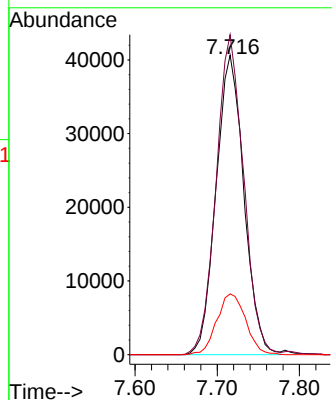
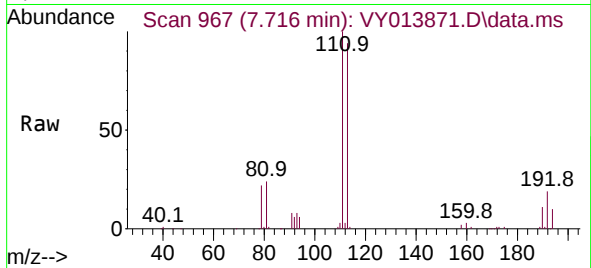




#35
Dibromofluoromethane
Concen: 52.432 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

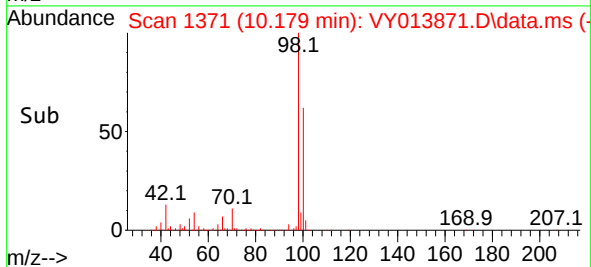
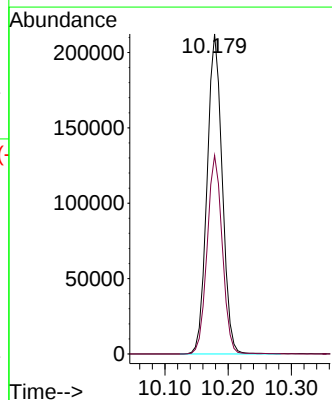
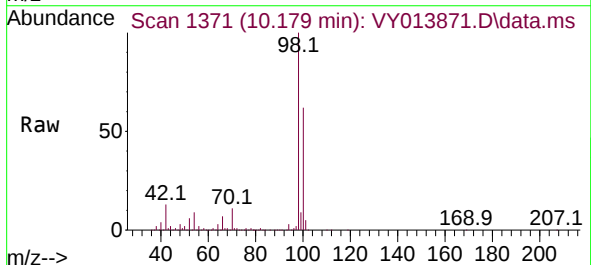
Instrument :
MSVOA_Y
ClientSampleId :
TP20

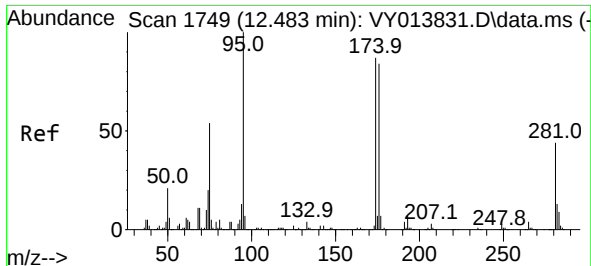
Tgt Ion:113 Resp: 95545
Ion Ratio Lower Upper
113 100
111 105.3 80.4 120.6
192 21.1 16.6 25.0



#50
Toluene-d8
Concen: 51.067 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion: 98 Resp: 353679
Ion Ratio Lower Upper
98 100
100 61.8 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 51.109 ug/l

RT: 12.483 min Scan# 117660

Delta R.T. -0.000 min

Lab File: VY013871.D

Acq: 25 May 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :

TP20

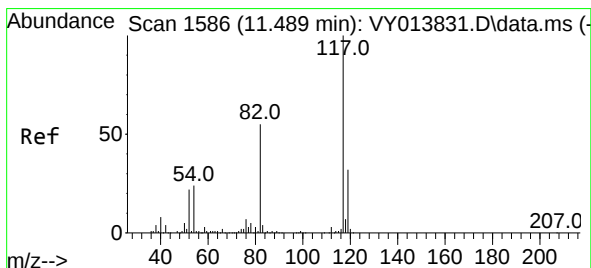
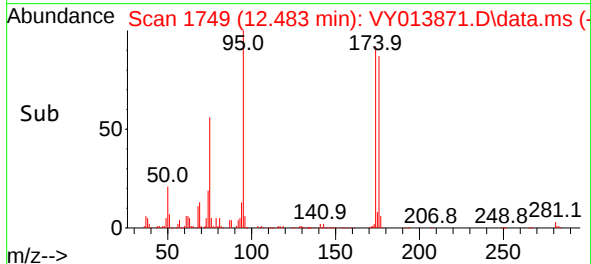
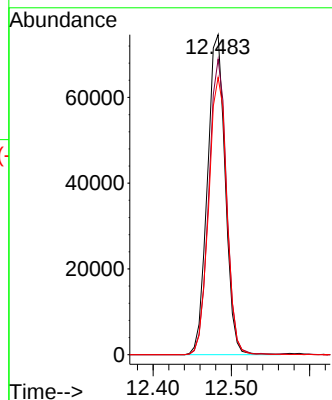
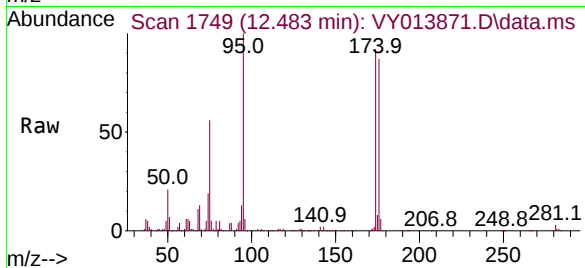
Tgt Ion: 95 Resp: 117660

Ion Ratio Lower Upper

95 100

174 92.1 0.0 176.0

176 88.5 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY013871.D

Acq: 25 May 2023 14:26

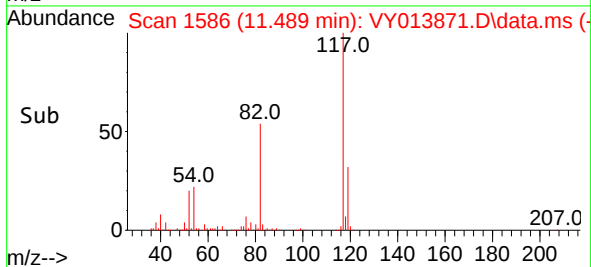
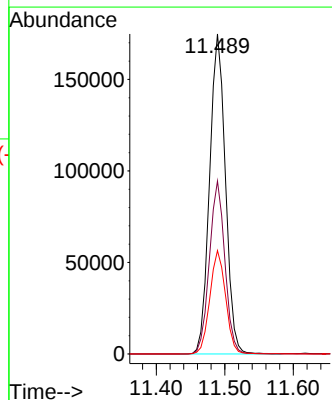
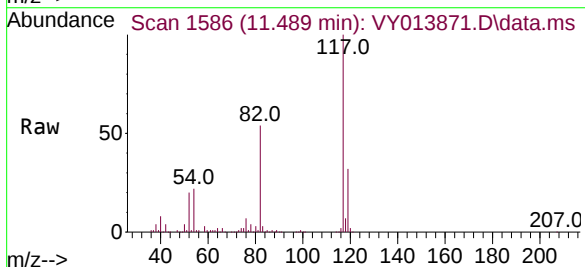
Tgt Ion: 117 Resp: 281341

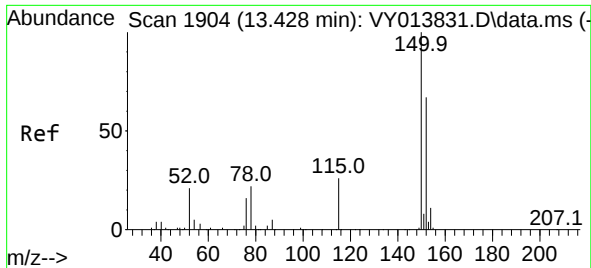
Ion Ratio Lower Upper

117 100

82 54.0 44.2 66.4

119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY013871.D

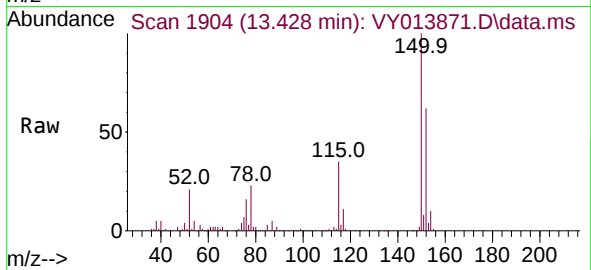
Acq: 25 May 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :

TP20



Tgt Ion:152 Resp: 129208

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 157.8 0.0 353.4

