

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013947.D
 Acq On : 31 May 2023 19:43
 Operator : KP/MD
 Sample : 02981-04
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Jun 01 03:31:42 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)

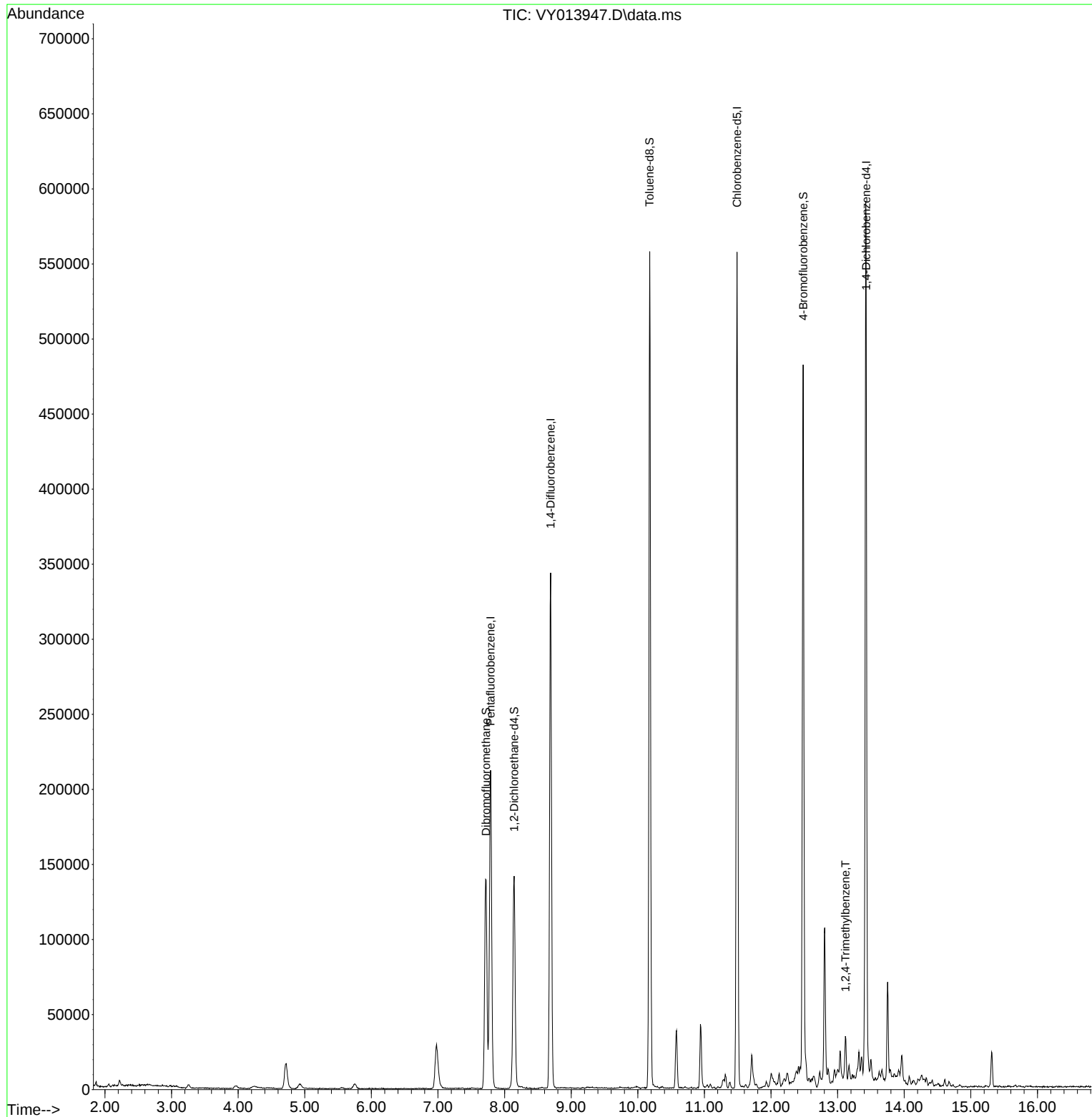
Internal Standards						
1) Pentafluorobenzene	7.789	168	164394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116139	61.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.140%	
35) Dibromofluoromethane	7.722	113	98139	53.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.380%	
50) Toluene-d8	10.179	98	351444	50.117	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	12.483	95	128780	55.248	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.500%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	13.117	105	15087	1.727	ug/l	Qvalue 99

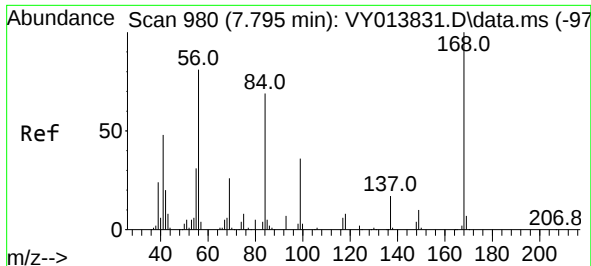
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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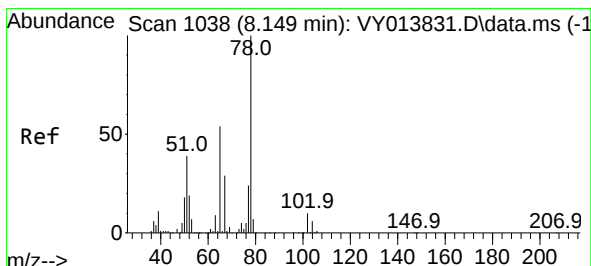
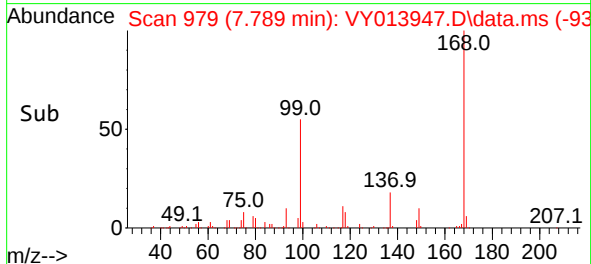
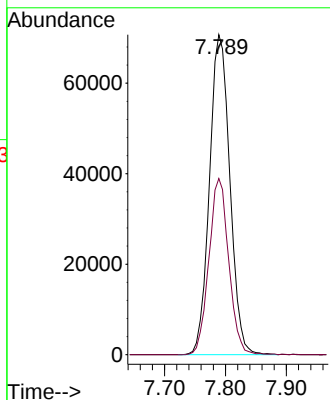
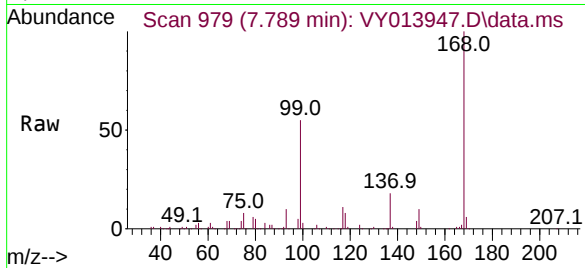




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013947.D
Acq: 31 May 2023 19:43

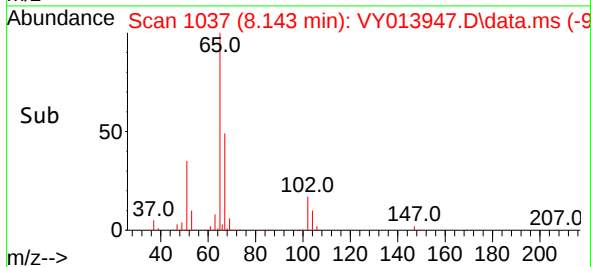
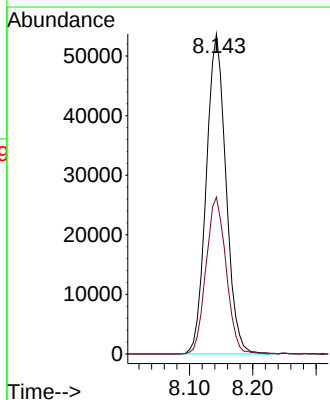
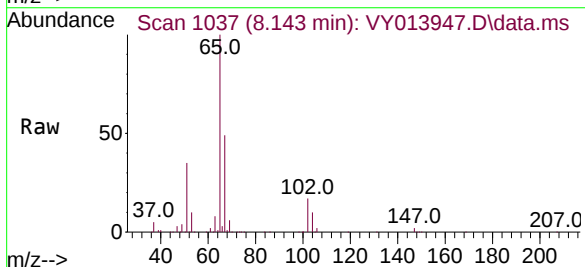
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

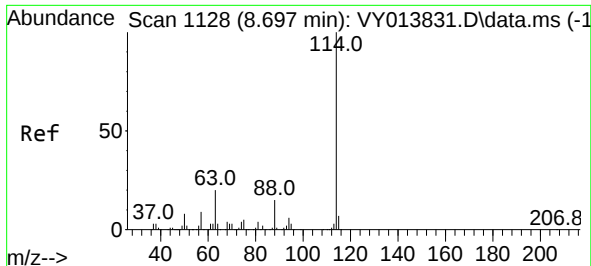
Tgt Ion:168 Resp: 164394
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.2



#33
1,2-Dichloroethane-d4
Concen: 61.065 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013947.D
Acq: 31 May 2023 19:43

Tgt Ion: 65 Resp: 116139
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013947.D

Acq: 31 May 2023 19:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

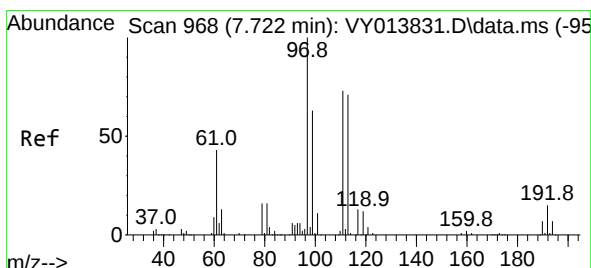
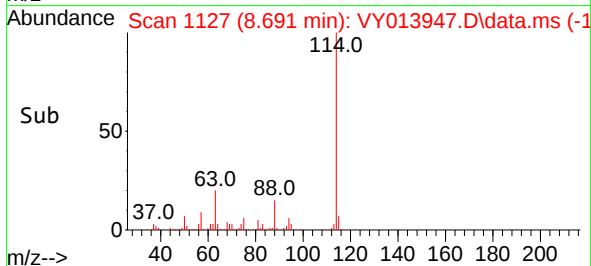
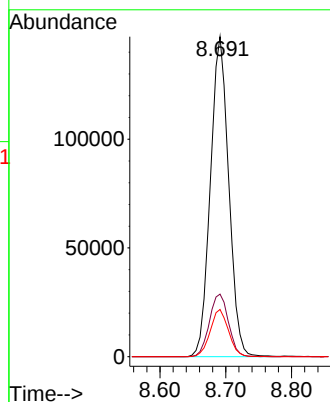
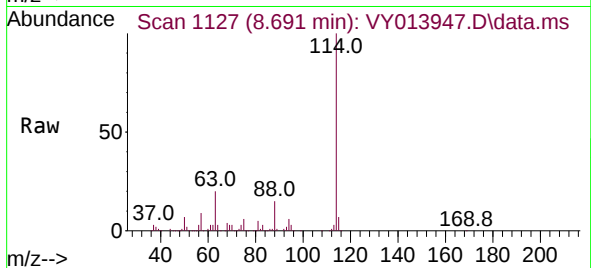
Tgt Ion:114 Resp: 285697

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.191 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013947.D

Acq: 31 May 2023 19:43

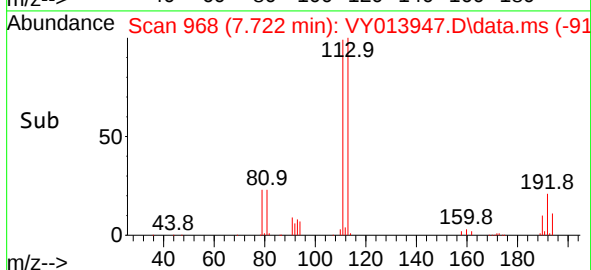
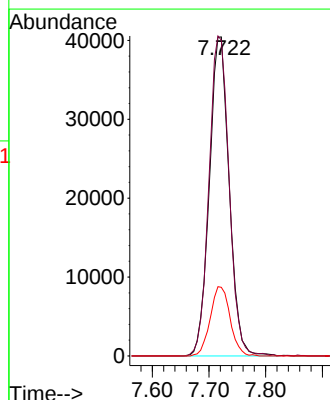
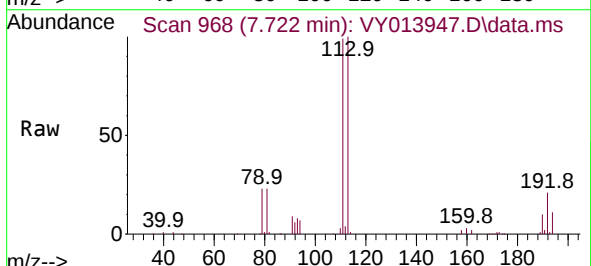
Tgt Ion:113 Resp: 98139

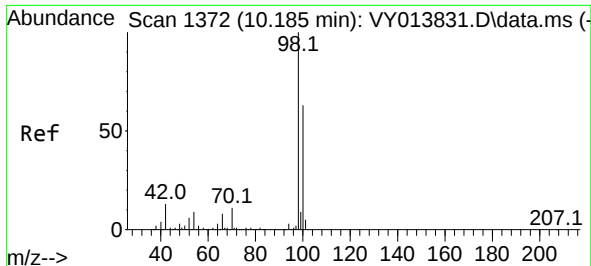
Ion Ratio Lower Upper

113 100

111 101.7 80.4 120.6

192 21.8 16.6 25.0

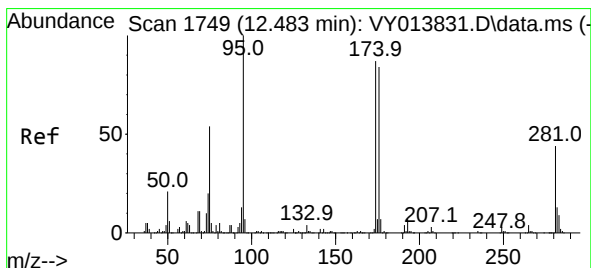
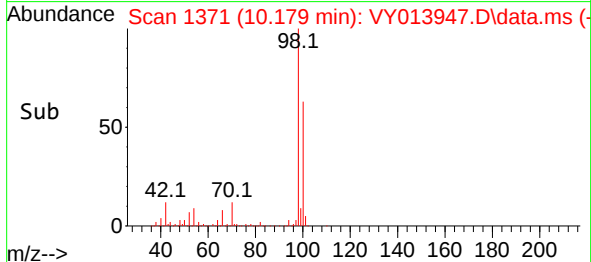
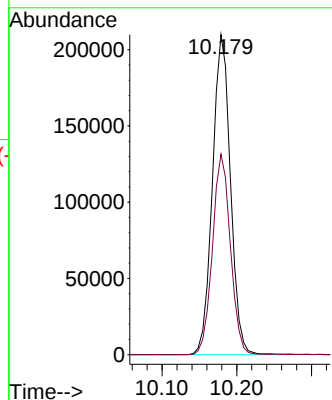
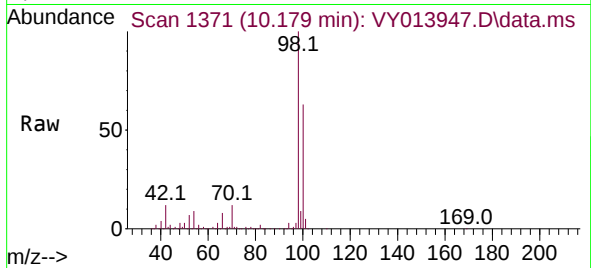




#50
Toluene-d8
Concen: 50.117 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013947.D
Acq: 31 May 2023 19:43

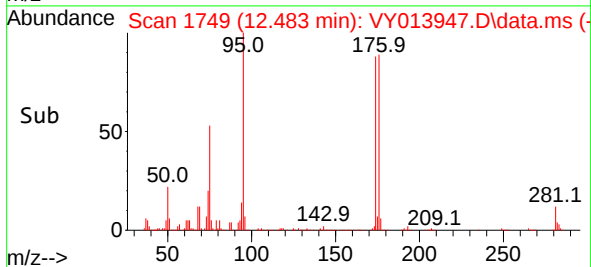
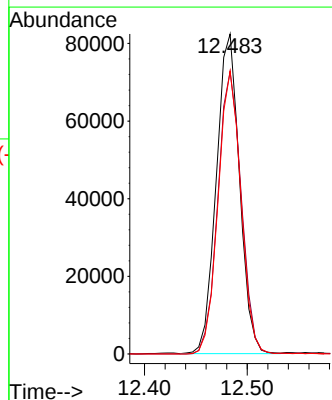
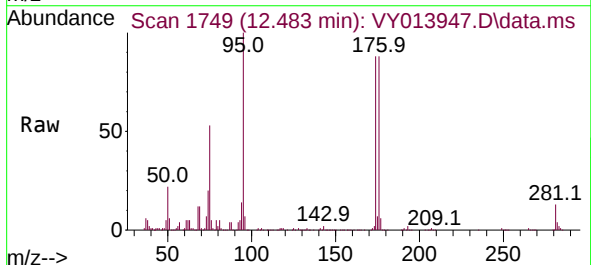
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

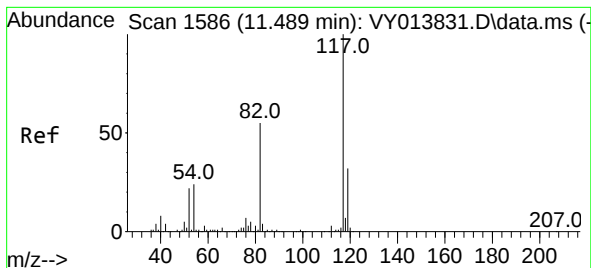
Tgt Ion: 98 Resp: 351444
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 55.248 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013947.D
Acq: 31 May 2023 19:43

Tgt Ion: 95 Resp: 128780
Ion Ratio Lower Upper
95 100
174 89.1 0.0 176.0
176 87.1 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013947.D

Acq: 31 May 2023 19:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

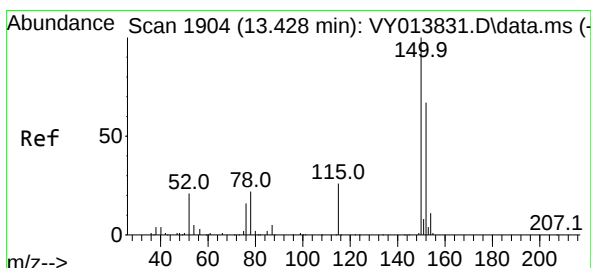
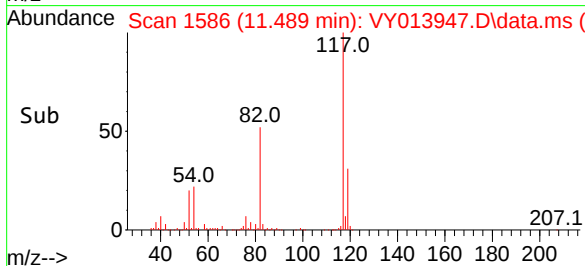
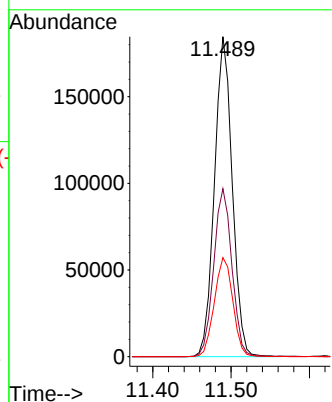
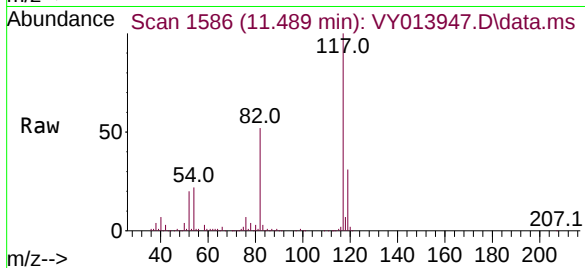
Tgt Ion:117 Resp: 291898

Ion Ratio Lower Upper

117 100

82 52.5 44.2 66.4

119 31.0 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: VY013947.D

Acq: 31 May 2023 19:43

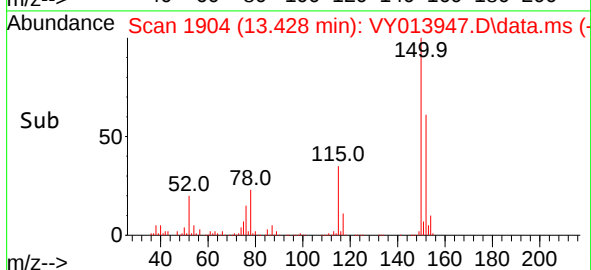
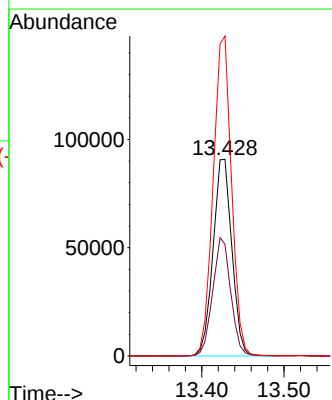
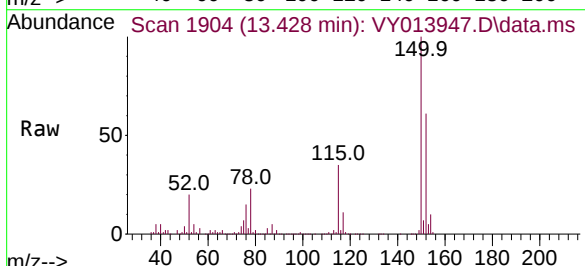
Tgt Ion:152 Resp: 144816

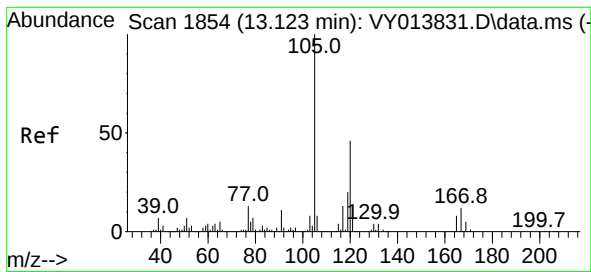
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 158.3 0.0 353.4





#84

1,2,4-Trimethylbenzene

Concen: 1.727 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013947.D

Acq: 31 May 2023 19:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

Tgt Ion:105 Resp: 15087

Ion Ratio Lower Upper

105 100

120 45.7 22.4 67.3

