

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010824.D
 Acq On : 05 Oct 2022 16:46
 Operator : KP/MD
 Sample : N5004-04
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22010-8.5

Quant Time: Oct 06 09:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

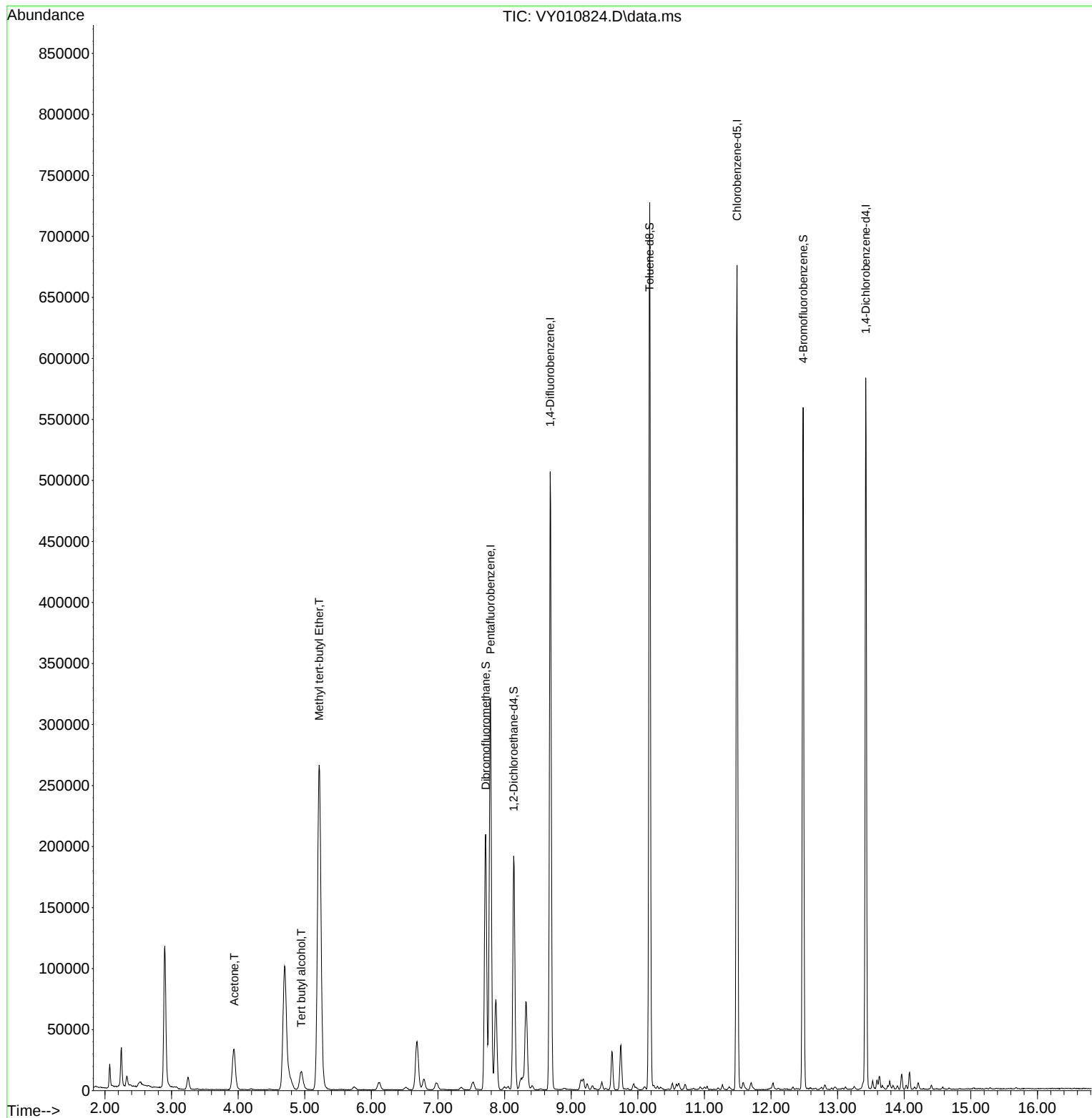
Internal Standards						
1) Pentafluorobenzene	7.789	168	247483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	428495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	358440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	142023	56.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.240%
35) Dibromofluoromethane	7.716	113	148851	52.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.660%
50) Toluene-d8	10.179	98	467024	48.011	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.483	95	158826	41.140	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.280%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.948	59	27324	80.217	ug/l #	94
16) Acetone	3.942	43	22221	34.878	ug/l #	67
19) Methyl tert-butyl Ether	5.216	73	438909	71.658	ug/l	96

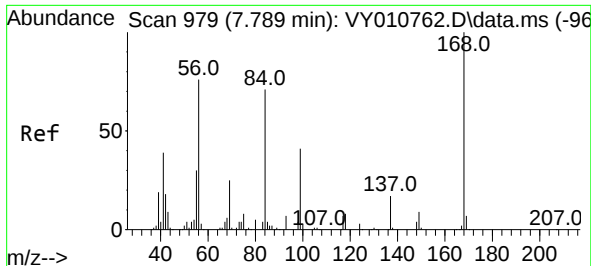
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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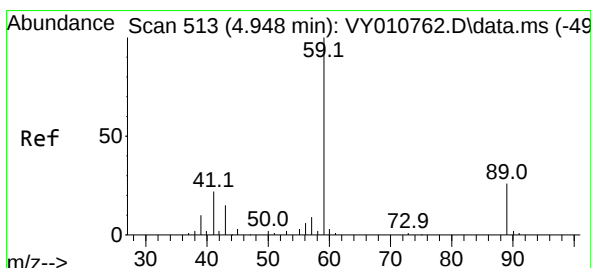
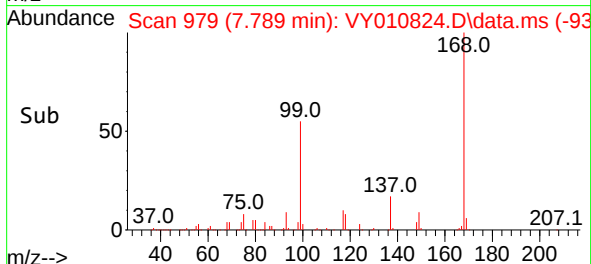
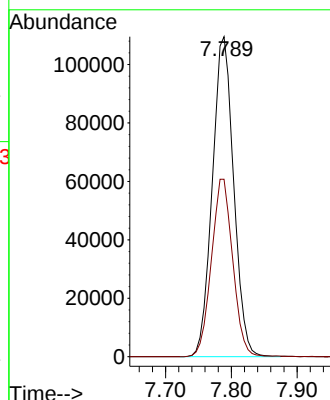
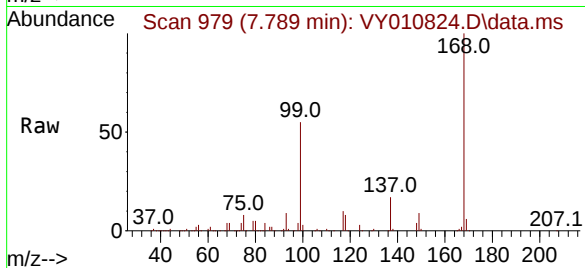




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

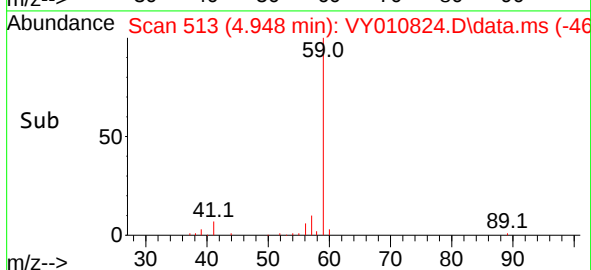
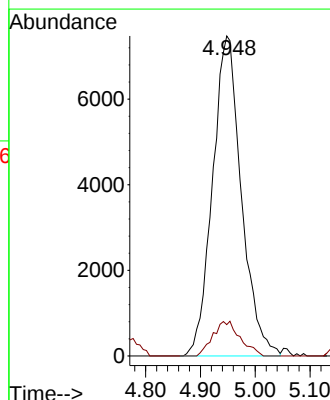
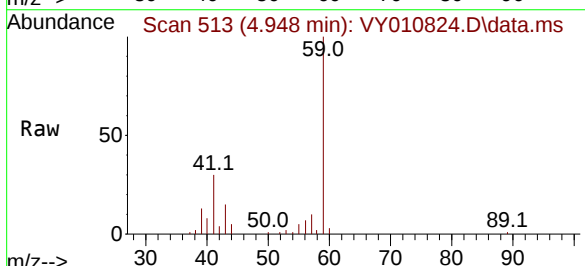
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

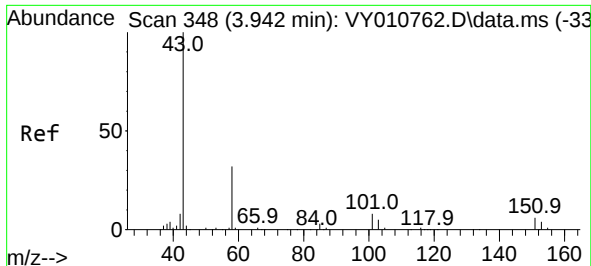
Tgt Ion:168 Resp: 247483
Ion Ratio Lower Upper
168 100
99 55.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 80.217 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 59 Resp: 27324
Ion Ratio Lower Upper
59 100
57 10.3 6.4 9.6#

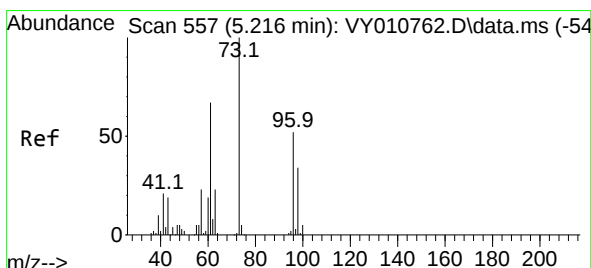
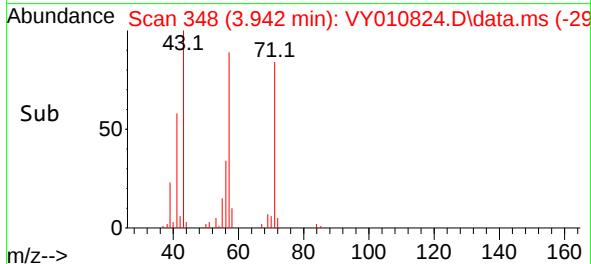
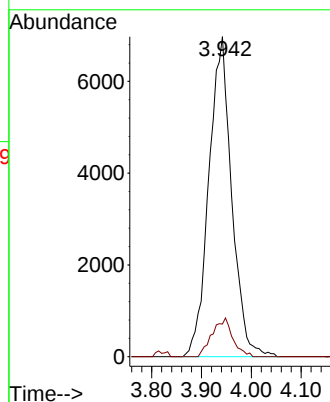
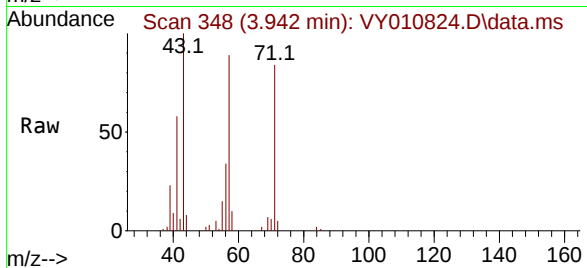




#16
Acetone
Concen: 34.878 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

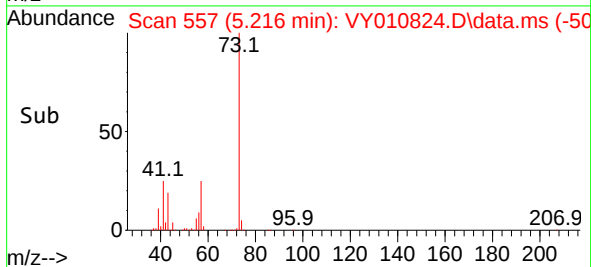
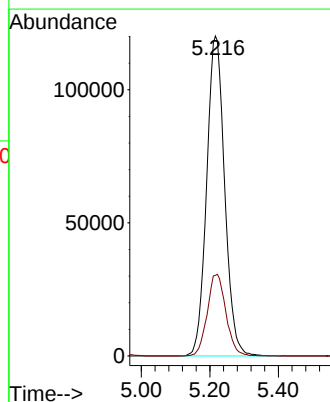
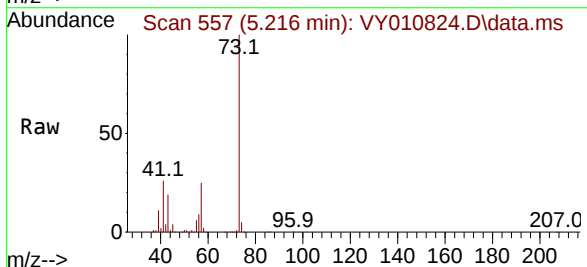
Instrument :
MSVOA_Y
ClientSampleId :
D22010-8.5

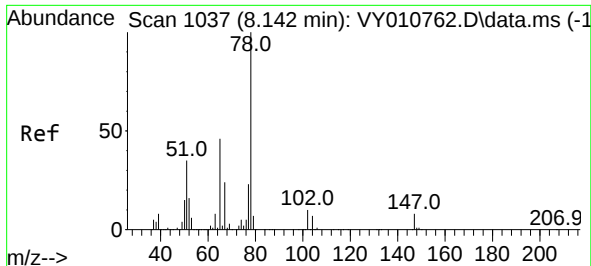
Tgt Ion: 43 Resp: 22221
Ion Ratio Lower Upper
43 100
58 10.2 22.0 33.0#



#19
Methyl tert-butyl Ether
Concen: 71.658 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 73 Resp: 438909
Ion Ratio Lower Upper
73 100
57 25.2 18.6 27.8





#33

1,2-Dichloroethane-d4

Concen: 56.616 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

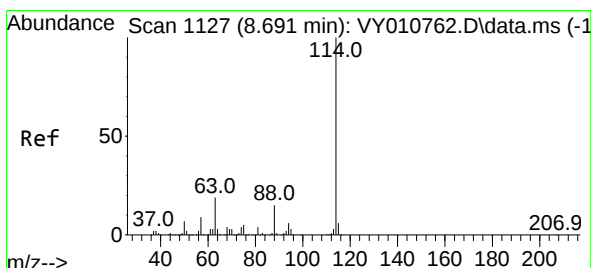
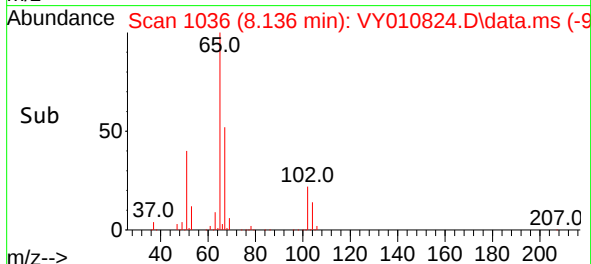
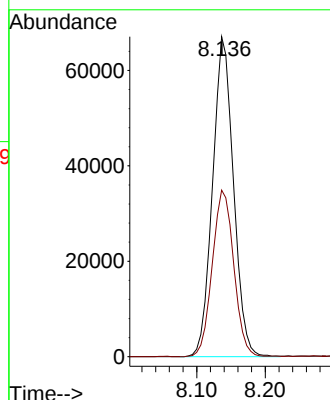
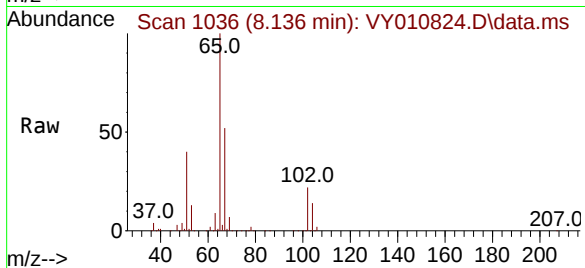
D22010-8.5

Tgt Ion: 65 Resp: 142023

Ion Ratio Lower Upper

65 100

67 53.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010824.D

Acq: 05 Oct 2022 16:46

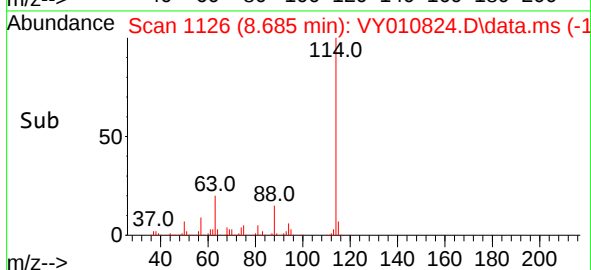
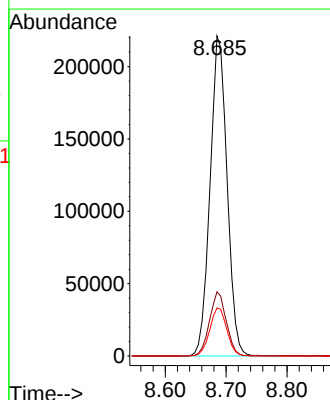
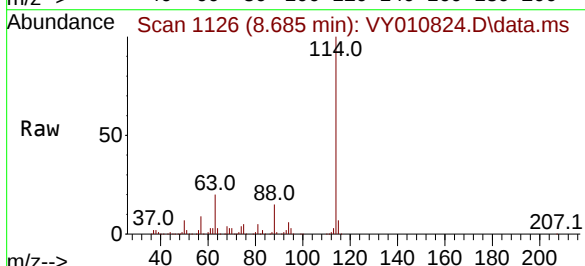
Tgt Ion: 114 Resp: 428495

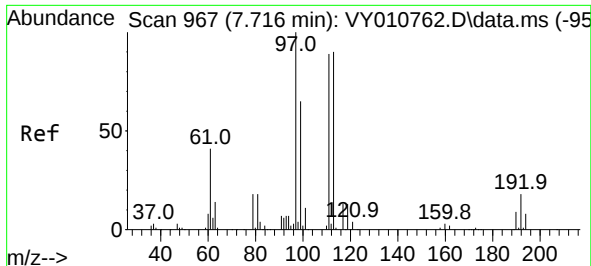
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.0 0.0 31.8

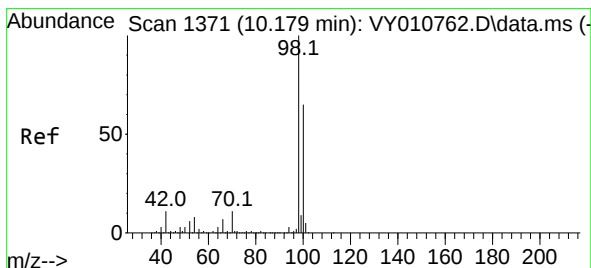
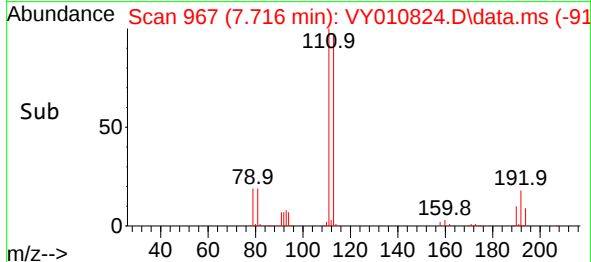
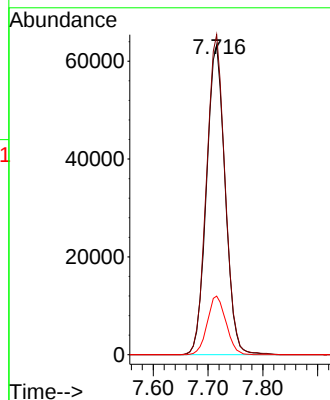
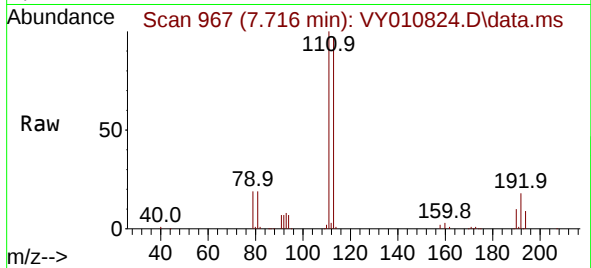




#35
Dibromofluoromethane
Concen: 52.332 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

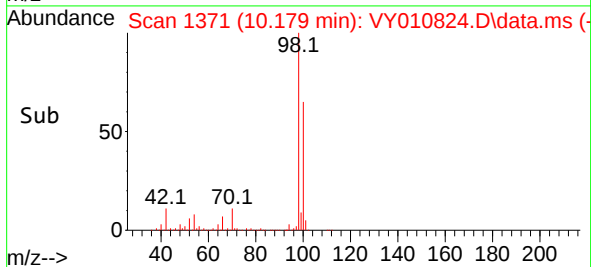
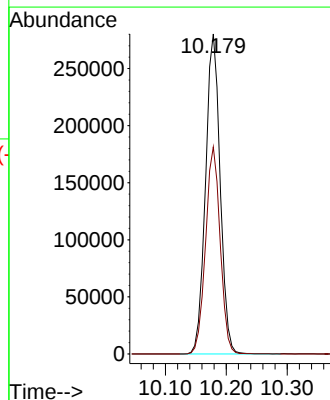
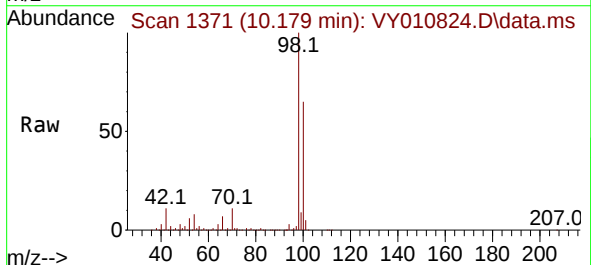
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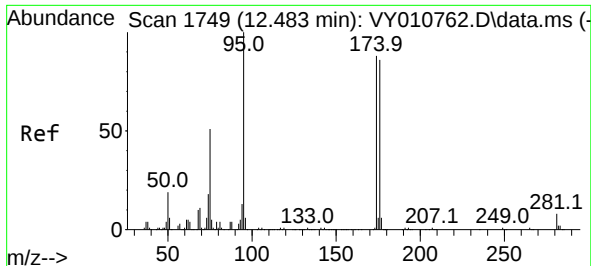
Tgt Ion:113 Resp: 148851
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 19.0 17.6 26.4



#50
Toluene-d8
Concen: 48.011 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 98 Resp: 467024
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

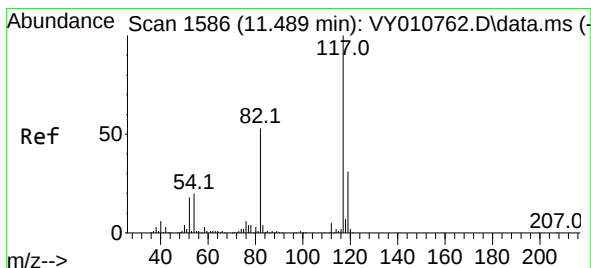
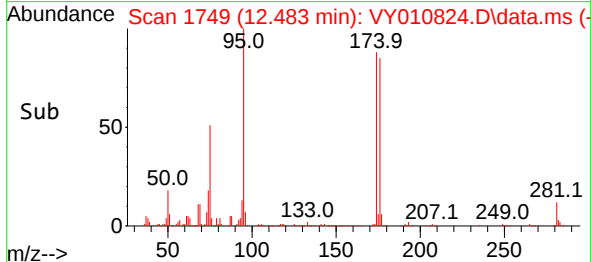
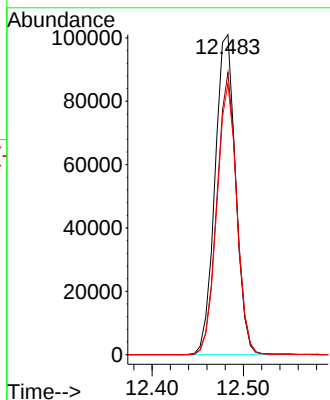
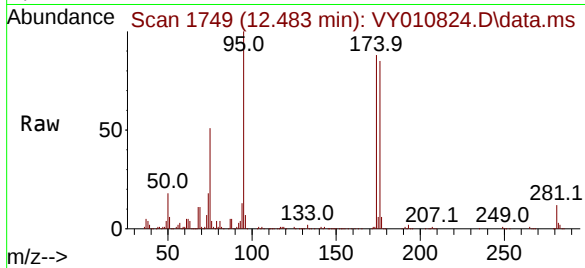




#62
4-Bromofluorobenzene
Concen: 41.140 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

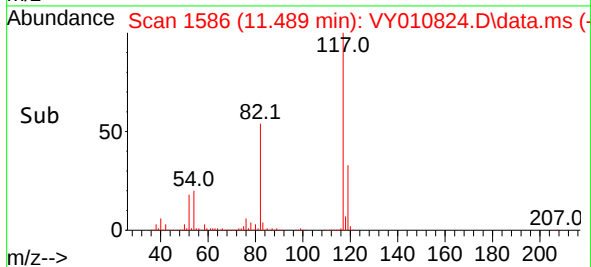
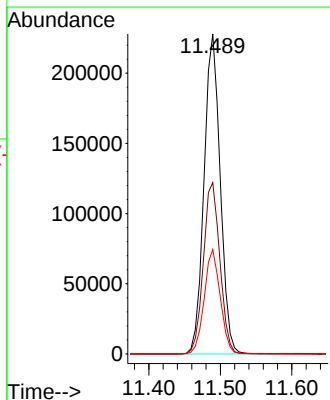
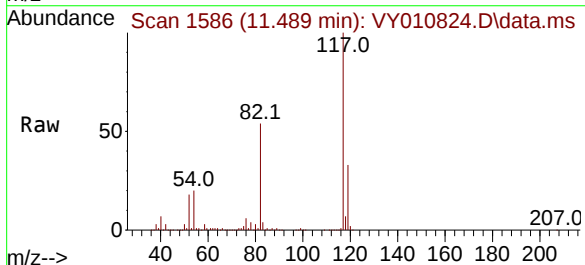
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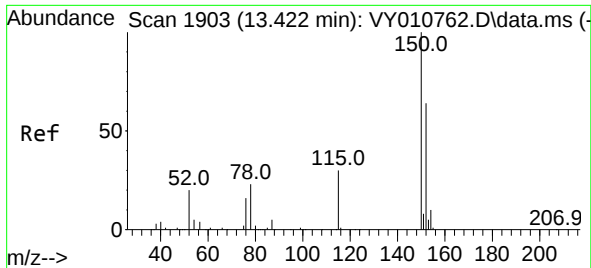
Tgt Ion: 95 Resp: 158826
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010824.D
Acq: 05 Oct 2022 16:46

Tgt Ion: 117 Resp: 358440
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY010824.D

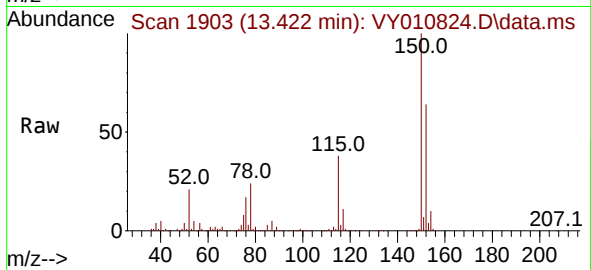
Acq: 05 Oct 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

D22010-8.5



Tgt Ion:152 Resp: 145229

Ion Ratio Lower Upper

152 100

115 59.3 28.2 84.7

150 158.0 0.0 347.6

